

Research Centre with a specific focus on Environmental Sustainability

Table of Contents

	Particular	Page
1.	Research Centre on Environmental Sustainability	1
1.1	Environment Science Research Lab	3
1.2	List of Equipments	4
1.3	List of Publications and Intellectual Property Rights	4
2.	Centre of Excellence in Sustainable Engineering & Climate Change	09
3.	Research Projects funded by Royal Academy of Engineering, UK in Collaboration with Advanced Technology Institute, University of Surrey, United Kingdom	11
4.	Research Project on Advancing Green Hydrogen Production through Electrolysis: Optimization and Renewable Energy Integration funded by Royal Academy of Engineering, UK under Newton Bhabha Fund	12
4.1	List of Equipments	14
4.2	List of Publications	15
5	Full-Time Equivalent Staff in Research Centre	16
6	Environmental Sciences R & D Laboratory	17
7	Publications on SDGs	23

Research Centre on Environmental Sustainability

In today's world, where rapid industrialization, climate change, and ecological degradation pose serious threats, the need for sustainable solutions has become more urgent than ever. Recognizing this critical challenge, Parul University has established the Research Centre for Environmental Sustainability—a dedicated space committed to driving meaningful research, fostering innovation, and shaping policies that can make a real difference. The Centre acts as a collaborative hub, uniting researchers, industry professionals, policymakers, and environmental advocates. By working together across disciplines, we aim to develop practical, scalable solutions that address pressing environmental issues—not just in theory, but in ways that create tangible impact. Because sustainability isn't just about ideas—it's about action. It's about finding smarter ways to protect our planet while ensuring a better future for generations to come.

With a strong focus on applied research, consultancy, and community engagement, the Centre has secured multiple research grants from prestigious funding agencies and has been actively involved in Environmental Audits and Compliance projects assigned by regulatory bodies such as the Gujarat Pollution Control Board (GPCB). This document outlines the Centre's key initiatives, research projects, consultancy services, and future vision in fostering environmental sustainability.

Research Focus Areas

The Research Centre for Environmental Sustainability at Parul University focuses on several critical domains, aligning with national and global sustainability goals, including the United Nations Sustainable Development Goals (SDGs). The key research areas include:

- Waste Management and Circular Economy
- Renewable Energy and Carbon Footprint Reduction
- Water Conservation and Pollution Control
- Climate Change Adaptation and Mitigation

Environmental Audits

Beyond academic research, the Centre plays a crucial role in environmental consultancy, offering

expertise to industries, government agencies, and NGOs.

The Centre is an empaneled Environmental Auditor with the Gujarat Pollution Control Board (GPCB), conducting:

- Comprehensive Environmental Audits for industries to ensure regulatory compliance.
- Pollution load assessment and mitigation strategies for factories.
- Environmental Impact Assessments (EIA) for infrastructure projects.

Academic Integration & Teaching Contributions

The Centre is deeply embedded in Parul University's academic framework, enhancing education through:

Curriculum Development

- Designing and updating courses in Environmental Engineering, Sustainability Studies, and Climate Science.

Teaching & Supervision

- Faculty members teach specialized courses in Environmental Engineering, Sustainability Studies, and Climate Science.
- Supervising PhD scholars, Master's dissertations, and undergraduate projects annually.

Hands-on Learning & Research Exposure

- Providing student internships and fieldwork in sustainability projects.
- Conducting workshops, seminars, and industry visits for practical exposure.

Secured Research Grants and Funded Projects

The Centre has successfully secured competitive research grants from national and international funding agencies, enabling high-impact projects. Some notable funded initiatives include:

- "Water Quality of Ground Water and River Water and Identification of Causative Microorganisms Causing Water-Borne Diseases and Epidemiological Studies in the State of Gujarat"

- Principal Investigator: Prof. M. H. Fulekar, Sr. Professor & Joint Director (R&D)
- Scope: This project investigates water contamination sources, pathogenic microorganisms, and their public health impacts, providing critical data for water safety policies in Gujarat.

Environment Science Research Lab

The Environmental Science research laboratory has been developed with water quality assessment and microbial assessment equipment funded by the ICMR, New Delhi.

Project cost: 1.5cr

Principal Investigator: Prof. M. H. Fulekar, Sr. Professor & Joint Director (R&D)

Project title: Water Quality of Ground Water and River Water and identification of Causative Microorganism causing water borne diseases and Epidemiological studies in the state of Gujarat.

The study has been designed in the North, East, and South and West part of the Gujarat with specific location to study the ground water; besides the river Sabarmati in Gujarat identified to study the surface water pollution status causing water-borne disease leading to epidemiological disorders. The research study will give the output - status of the groundwater and surface water, water-borne disease and epidemiological disorder.

The research study: scope and output:

1. Status of quality of water and river water in complaints with physical, chemical parameters.
2. Status indicating the level of Heavy metals and organic contaminants.
3. Status of microbial assessment in particular the level of pathogens – bacterial, viral, protozoa and fungal.
4. Status of water borne diseases in identified regions of Gujarat state.
5. Status of epidemiological health related disorder due to water borne diseases.

The research study on water quality assessment of ground water and river water comprising physical, chemical and microbial status, water borne diseases and epidemiological disorders status will give the first-hand report of Gujarat state.

List of equipments procured under the project

- pH meter
- Thermometer
- Desiccator
- Refrigerator
- Hot air oven
- Analytical balance
- Autoclave
- Laminar Air Flow
- Incubator-shaker
- Magnetic stirrer
- BOD incubator
- Deep freezer
- Conductivity meter
- Hot plate
- COD digester
- Fume Hood
- Conductivity meter
- Distillation Unit
- TDS meter
- Salinity meter

List of Paper Publication

Name of Author/s	Title of publication in AMA style	Impact factor of journal	Journal Name
Modi S.; Yadav V.K.; Amari A.; Osman H.; Igwegbe C.A.; Fulekar M.H.	Nano bioremediation: A Bacterial Consortium-Zinc Oxide Nanoparticle-Based Approach for the Removal of Methylene Blue Dye from Wastewater. (2023)	5.190	Environmental Science and Pollution Research



Yadav V.K.; Amari A.; Wanale S.G.; Osman H.; Fulekar M.H.	Synthesis Of Floral-Shaped Nano silica from Coal Fly Ash and its Application for the Remediation of Heavy Metals from Fly Ash Aqueous Solutions. (2023)	3.3	Sustainability (Switzerland)
Modi S.; Yadav V.K.; Amari A.; Alyami A.Y.; Gacem A.; Harharah H.N.; Fulekar M.H.	Photocatalytic Degradation of Methylene Blue Dye from Wastewater by using Doped Zinc Oxide Nanoparticles. (2023)	3.0	Water (Switzerland)
Modi S.; Yadav V.K.; Ali D.; Choudhary N.; Alarifi S.; Sahoo D.K.; Patel A.; Fulekar M.H.	Photocatalytic Degradation of Methylene Blue from Aqueous Solutions by using Nano-Zno/Kaolin-Clay-Based Nanocomposite. (2023)	3.0	Water (Switzerland)
Yadav V.K.; Amari A.; Mahdhi N.; Elkhaleefa A.M.; Fulekar M.H.; Patel A.	A Novel and Economical Approach for the Synthesis of Short Rod-Shaped Mesoporous Silica Nanoparticles from Coal Fly Ash Waste by Bacillus Circulans Mtcc 6811. (2023)	4.0	World Journal of Microbiology and Biotechnology
Modi S, Yadav VK, Amari A, Osman H, Igwegbe CA, Fulekar MH.	Nano bioremediation: a bacterial consortium-zinc oxide nanoparticle-based approach for the removal of methylene blue dye from wastewater. (2023)	5.190	Environmental Science and Pollution Research
Yadav VK, Amari A, GacemA, Elboughdiri N, Eltayeb LB, Fulekar MH	Treatment of Fly-Ash-Contaminated wastewater Loaded with Heavy Metals by Using Fly- Ash-Synthesized Iron Oxide Nanoparticles. (2023)	3.530	Water (Switzerland)



Yadav VK, Amari A, Wanale SG, Osman H, Fulekar MH.	Synthesis of Floral-Shaped Nano silica from Coal Fly Ash and Its Application for the Remediation of Heavy Metals from Fly Ash Aqueous Solutions. (2023)	3.889	Sustainability
Rai A, Amari A, Yadav VK, Fulekar MH. et al.	A Synergistic Effect of Moringa oleifera-Based Coagulant and Ultrafiltration for the Wastewater Treatment Collected from Final ETP. (2022)	4.373	Adsorption Science & Technology
Ravi RK, Singh M, Fulekar MH. Biomass	Bioconversion dynamics for bioremediation of chlorpyrifos pesticide using bacterial consortia in two immiscible liquid phase partitioning bioreactors. (2021)	4.050	Biomass Conversion and Biorefinery
Kumar P, Fulekar MH.	Cadmium phytoremediation potential of Deenanath grass (Pennisetum pedicellatum) and the assessment of bacterial communities in the rhizospheric soil (2022)	5.190	Environmental Science and Pollution Research
Khan SH, Pathak B, Fulekar MH.	A study on the influence of metal (Fe, Bi, and Ag) doping on structural, optical, and antimicrobial activity of ZnO nanostructures. Advanced Composites and Hybrid Materials (2020)	11.806	Advanced Composites and Hybrid
Kumar P, Fulekar MH, Hiranmai RY, Kumar R, Kumar R.	16S rRNA molecular profiling of heavy metal tolerant bacterial communities isolated from soil contaminated by electronic waste. (2020)	2.629	Folia Microbiologica



Yadav VK, Fulekar MH.	Advances in Methods for Recovery of Ferrous, Alumina, and Silica Nanoparticles from Fly Ash Waste. (2020)	2.8	Ceramics
Modi S, Fulekar MH.	Synthesis and characterization of zinc oxide nanoparticles and zinc oxide/cellulose nanocrystals nanocomposite for photocatalytic degradation of Methylene blue dye under solar light irradiation. (2020)	5.25	Nanotechnology for Environmental Engineering
Chavan A, Fulekar MH.	Enhanced degradation efficiency of mixed industrial effluent by modified nanocomposite photocatalyst under UVLED irradiation (2020)	5.25	Nanotechnology for Environmental Engineering
Modi S, Fulekar MH.	Green Synthesis of Zinc Oxide Nanoparticles Using Garlic Skin Extract and Its Characterization. (2020)	1	Journal of nano structure
Kumar P, Fulekar MH.	Multivariate and statistical approaches for the evaluation of heavy metals pollution at e-waste dumping sites. (2019)	2.6	SN Applied Sciences
Pandit PR, Fulekar MH.	Biodiesel production from microalgal biomass using CaO catalyst synthesized from natural waste material (2019)	8.7	Renewable Energy



Kumar Yadav V, Fulekar MH.	Green synthesis and characterization of amorphous silica nanoparticles from fly ash. (2019)	3	Materials Today: Proceedings
Virendra Kumar Yadava and M. H. Fulekar	Remediation of selected heavy metals (Pb, Cd) from fly using magnetite nanoparticles (2019)	0.2	J. Indian Chem. Soc
Pandit PR, Fulekar M.	Biodiesel production from Scenedesmus armatus using egg shell waste as nano catalyst. (2019)	-	Materials Today: Proceedings

List of Book Publications

Name of Author	Name of Book	Publisher	ISBN No.
Fulekar MH, Dubey RS.	Climate Change and Sustainable Development (2023)	CRC Press	eBook ISBN9781003205548
Fulekar MH, Pathak B.	Bioremediation Technology (2020)	CRC Press	eBook ISBN9780367273101

Intellectual Property Rights

Intellectual Property	Application Number	Title	Status
Indian Patent	202221051959	A system and apparatus for solid waste management of CETP with and its Conversion into bio-fertilizer	Filed and published
Indian Patent	202221065279	Rhizo bio-nano technology for Remediation of dye-industrial waste	Filed and published

Centre of Excellence in Sustainable Engineering & Climate Change

The Centre of Excellence in Sustainable Engineering & Climate Change at Parul University is a pioneering initiative dedicated to addressing the pressing global challenges of environmental degradation and climate change. The center aims to foster interdisciplinary research, innovative engineering solutions, and knowledge dissemination in the field of sustainability. It serves as a collaborative platform for students, researchers, industry experts, and policymakers to develop and implement green technologies, promote renewable energy, and enhance sustainable practices across sectors. With a strong focus on innovation, community impact, and academic excellence, the center is poised to become a national leader in driving sustainable development and climate resilience.

Key Initiatives:

1. **Eco-Friendly Campus Practices:** Parul University has been recognized among India's sustainable institutions, earning a Grade A++ for its eco-friendly practices. The campus features zero-emission vehicles, effective waste segregation, and the use of renewable energy sources, reflecting its dedication to environmental conservation.
2. **Community Engagement and Environmental Awareness:** The Centre conducts workshops, campaigns, and field projects to address real-world issues like oil spills and pollution, aligning with the UN Sustainable Development Goals
3. **Green Hydrogen Research Collaboration:** In collaboration with the University of Surrey and Linde Engineering India, and funded by the Royal Academy of Engineering (UK), the university is working on optimizing green hydrogen production via electrolysis.
4. **Research on Membrane Technology for Climate Mitigation:** Ongoing research explores innovative membrane technologies for carbon capture and emission reduction, contributing to cost-effective and scalable climate solutions.
5. **Sustainable Online Education Practices:** Aligning with its commitment to sustainability, the Centre has implemented eco-friendly practices in its online education platforms. By utilizing Open Educational Resources (OER) and energy-efficient digital infrastructure powered by renewable energy sources, the Centre minimizes its carbon footprint while promoting accessible and sustainable learning environments.

Building on its strong foundation, the Centre of Excellence in Sustainable Engineering & Climate Change continues to serve as a catalyst for innovation and collaboration in solving environmental challenges. The Centre not only nurtures cutting-edge research in renewable energy, climate mitigation, and green infrastructure but also empowers students and faculty to apply their knowledge in real-world contexts.

Through strategic partnerships with international universities, government agencies, and industry leaders, the Centre provides a platform for interdisciplinary dialogue and joint projects. Its ecosystem supports the incubation of sustainable technologies, policy development, and the translation of research into scalable solutions.

Research Projects funded by Royal Academy of Engineering, UK in Collaboration with Advanced Technology Institute, University of Surrey, United Kingdom Under Newton Bhabha Fund focused on Environmental Sustainability

The university has been driving meaningful change through four international research projects related to SDGs on Green Hydrogen, Green Refrigeration, Sustainable Smart Cities and reducing water consumption in collaboration with Advanced Technology Institute, University of Surrey, UK funded around INR 2.5 Crores by Royal Academy of Engineering, UK.

List of Projects Funded by Royal Academy of Engineering, UK

Name of the International collaboration and Research Project	Name of the Principal Investigator / Co Investigator	Name of the Funding agency	International Collaboration	Funds provided (INR in Lakhs)	Duration of the project (Months)
Advancing Green Hydrogen Production through Electrolysis: Optimization and Renewable Energy Integration	Dr. Vishal Kumar Sandhwar	Royal Academy of Engineering, UK	Advanced Technology Institute, University of Surrey, UK	65	14
AI, IoT and Digital Technologies for Future Sustainable Smart Cities	Dr. Arvind Yadav	Royal Academy of Engineering, UK	Advanced Technology Institute, University of Surrey, UK	83	24
Green Refrigeration System using Solar Energy	Dr.Paidipati Gopala Krishna Murthy	Royal Academy of Engineering, UK	Advanced Technology Institute, University of Surrey, UK	41	28
To Reduce Water Consumption and Optimize Efficiency of Thermal Power Plants by Using Air Cooled Condensers	Dr.Paidipati Gopala Krishna Murthy	Royal Academy of Engineering, UK	Advanced Technology Institute, University of Surrey, UK	47	26

Research Project on Advancing Green Hydrogen Production through Electrolysis: Optimization and Renewable Energy Integration funded by Royal Academy of Engineering, UK under Newton Bhabha Fund

Title: “Advancing Green Hydrogen Production through Electrolysis: Optimization and Renewable Energy Integration”.

Grant Body: Royal Academy of Engineering, London, UK, under Transforming Systems through Partnership 22/23

Amount of Grant: GBP 65,000

Project Period: November 2023 to January 2025

Collaborators:

- Parul University (Lead University)
- Linde Engineering India Pvt Ltd (Indian Industry Partner)
- University of Surrey, London, UK (UK Academic Partner)

Team Lead: Dr. Vishalkumar Sandhwar,

Members of PU Team:

- Dr. Vishal Kumar Sandhwar, Assistant Professor Parul Institute of Technology
- Dr. Gopala Krishna Murthy Paidipati, Professor, Parul Institute of Management and Research
- Dr. Unnati Joshi, Professor, Parul Institute of Engineering & Technology
- Dr. Shivendu Saxena Assistant Professor Parul Institute of Technology
- Dr. Mahendra Singh Rathore, Associate Professor, Parul Institute of Technology
- Dr. Anand Joshi, Professor, Parul Institute of Technology
- Dr. Rital Gajjar, Associate Professor, Parul Institute of Technology
- Dr. Sumit Daslala, Assistant Professor, Parul Institute of Engineering & Technology
- Prof. Manish Pandya Registrar, Parul Institute of Engineering & Technology
- Dr. Swapnil Parikh, Professor, Parul Institute of Technology
- Ms. Hetal Bhaidasana, Assistant Professor, Parul Institute of Engineering & Technology
- Dr. Kartik Pandya, Associate Professor, Parul Institute of Engineering & Technology

Members from Linde Engineering India Pvt Ltd:

- Mr. Nilesh Mangukia, Director (Business Development & Sales)
- Mr. Roshan Mehta, Head of Sales
- Mr. Bhavin Trivedi, Deputy Manager Sales
- Mr. Nikhil Tonapi, Head of Process & Environmental Safety

Members from University of Surrey

Prof. Dr. Satheesh Krishnamurthy,

Research Focus Area:

- The RAE (Royal Academy of Engineering)-funded Green Hydrogen project primarily focuses on advancing sustainable hydrogen production via electrolysis. The key thematic areas include: Wastewater Treatment, Material Development, Integration and Optimization of Solar Energy, Green Hydrogen Production etc.

Research Study:

The study involves collaborative research between academic and industry partners. Major components include:

- Wastewater treatment and its utilization as a feedstock in electrolyser
- Installation and optimization solar energy to power electrolysis
- Optimization of process parameters of Proton Exchange Membrane (PEM) electrolyzer
- Development of efficient, cost-effective electrocatalysts for hydrogen production
- Enhancement of system efficiency and scalability
- Process optimization through software
- Pilot-scale demonstration

Objectives of The Project:

- Exploring the Use of Artificial intelligence, IoT and Block Chain technologies for planning, design and development of smart cities through by
- Exploring existing techniques and its utilization for development of smart city,
- Designing the smart water meter systems for better water management,
- Developing smart sewage management and distribution System,
- Designing smart traffic surveillance system for reducing traffic congestion and roadside accident mitigation,
- Preparing effective urban air quality management plan,
- Designing unified response system for health, fire and other uncalled for emergencies, and
- Developing a general controlled oriented guiding principle and methodology in the design of sustainable energy future for smart cities.

Outcomes:

- Achieved efficient removal of municipal wastewater
- Identification of key performance parameters for improving PEM electrolyzer efficiency

- Achieved 94% of purity of green hydrogen
- Prototype developed for a lab-scale integrated green hydrogen unit
- Published research papers and book chapter in peer-reviewed journals
- Knowledge exchange through workshops and visits
- Promotion of sustainable energy education and practical exposure for students

Students Involvement in the Project:

- During year 2023-24, 6 students of B.Tech and 3 students of M.Tech, and 1 Ph.D scholar are taking active part in the project. Students are mentored by not only faculty members of PU but also by professionals of Linde Engineering India, Pvt Ltd, and the University of Surrey, UK. Their performance is reviewed by experts periodically.

Workshops and Dissemination of Knowledge

- Under this project, so far, we have organized 5 workshops and in total 459 engineers participated out of which 82 faculty members, 3 industry professionals, 374 students of Engineering of various Universities like Parul University, M S University, Gujarat Technological University etc., have participated. Feedback was collected from all participants. Overall feedback from all participants was good and many have appreciated themes as well as modalities.

List of equipments procured under the project

- PEM Electrolyser test station (300 watt capacity)
- Solar Power Generating System (4kw Off Grid Power Plant)
- Online Hydrogen Gas Analyzer
- Muffle Furnace
- COD Digester
- Magnetic Stirrer with hot plate
- pH meter
- TDS meter
- Computer workstation



Publications:

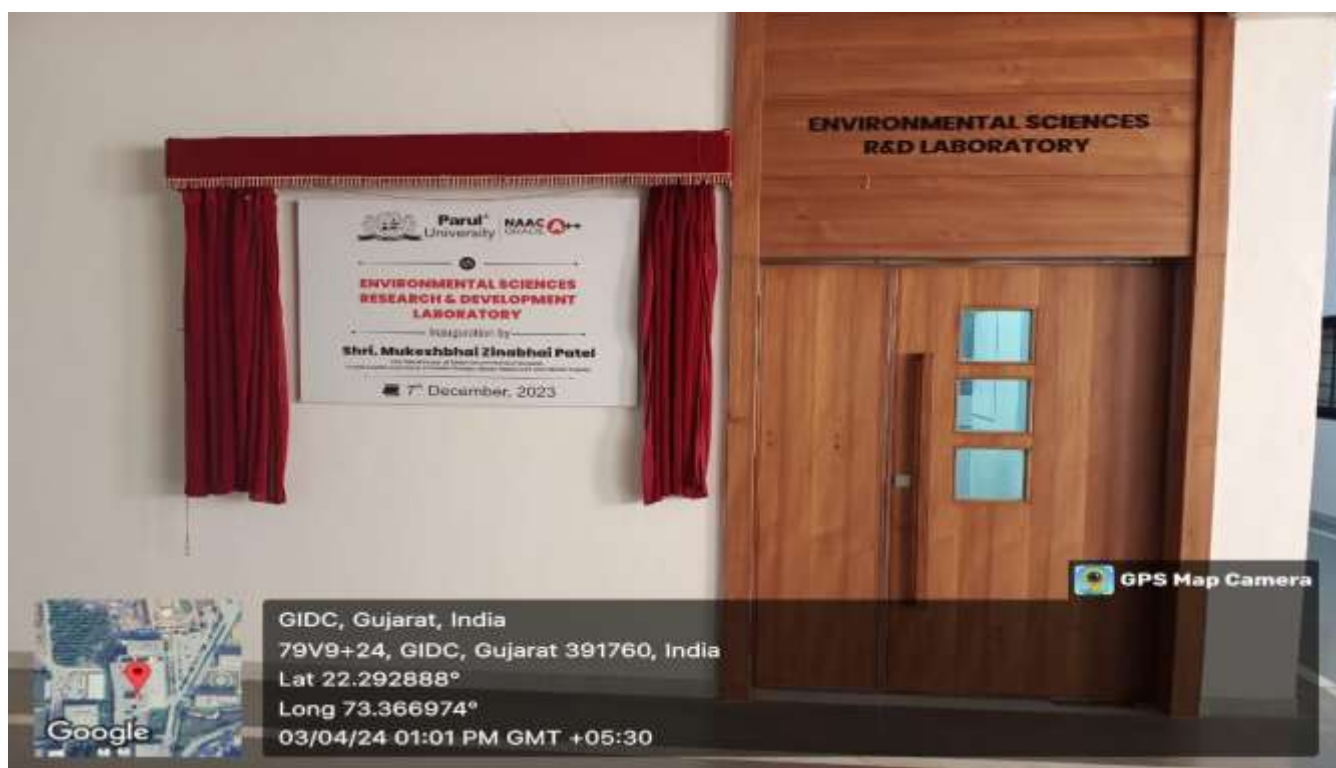
Title of Research Article / Book Chapter	Title of Journal / Book	Publisher	Authors	Year of publication
Future trends and emerging technologies in water quality management	Computational automation for water security Enhancing water quality management	Elsevier	Vishal Kumar Sandhwar, Shivendu Saxena , Diksha Saxena, Alok Tiwari	2024
Electrochemical Treatment Technologies for Textile Wastewater Remediation: Innovations in Oxidation Processes and Electrode Materials	Emerging Trends in Chemical and Biochemical Engineering	Iterative International Publishers	Vishal Kumar Sandhwar, Shivendu Saxena, Siddharth Pandey, Manthan Chauhan	2024
Ultrasound-Mediated Recovery of Nutrients from Wastewater	Ultrasound in Circular Economy: Transforming Waste into Resources	Springer	Vishal Kumar Sandhwar, Diksha Saxena, Shivendu Saxena, Alok Tiwari	2024
Future Directions and Emerging Trends in Ultrasound Applications for Circular Economy	Ultrasound in Circular Economy: Transforming Waste into Resources	Springer	Alok Tiwari, Shivendu Saxena, Vishal Kumar Sandhwar, Diksha Saxena,	2024
Tailoring the Structural and Dielectric Properties by the Substitution of Zn and Mg at Ti in Nitinol-Based Nanocomposites	Journal of Electronic Materials	Springer	Mahendra Singh Rathore, Sumit Das Lala, Unnati Joshi, Anand Joshi, Sanketsinh Thakor, Jaivik Pathak, Vishal Sandhwar & Chandan R. Vaja	2025
Future trends and emerging technologies in water quality management	Computational Automation for Water Security	Elsevier	Vishal Kumar Sandhwar, Shivendu Saxena, Diksha Saxena, Alok Tiwari, Swapnil M. Parikh	2025



Full Time Equivalent Staff in Research Centre

Sr. No.	Staff ID	Name of Staff	Designation
1	15559	Dr. Mange Ram Yadav	Director
2	13948	Prof. M. H. Fulekar	Joint Director
3	11656	Dr. Vijay Upadhye	Deputy Director
4	18551	Dr. Tarun Kumar Upadhyay	Associate Professor
5	20616	Dr. Soyebkhan Pathan	Assistant Professor
6	19640	Dr. Mukul Jain	Assistant Professor
7	22470	Dr. Mitesh Patel	Assistant Professor
8	25198	Dr. Reeshu Gupta	Assistant Professor
9	30360	Dr. Kirtan Dave	Assistant Professor
10	34113	Dr. Malvi Surti	Assistant Professor
11	35996	Dr. Megha Barot	Assistant Professor
12	37452	Dr. Pradeep Kumar Bramhin	Professor
13	36416	Dr. Bibhas Kumar Bhunia	Assistant Professor
14	24294	Shaista K.	Junior Scientist cum Assistant Professor
15	21675	Sunil Kumar	Junior Research Fellow cum Assistant Professor
16	28508	Rupal Dhariwal	Junior Research Fellow cum Assistant Professor
17	31296	Aviral Kaushik	Junior Research Fellow cum Assistant Professor
18	31519	Ankit Paul	Junior Research Fellow cum Assistant Professor
19	31534	Adil Ali	Junior Research Fellow cum Assistant Professor
20	31715	Krupanshi Bharadava	Junior Research Fellow cum Assistant Professor
21	31714	Naureenbanu Makarani	Junior Research Fellow cum Assistant Professor
22	31735	Muskan Memon	Junior Research Fellow cum Assistant Professor

Environmental Sciences R & D Laboratory





Parul[®]
University

INDIA'S YOUNGEST
NAAC A++
ACCREDITED UNIVERSITY





Parul[®]
University

INDIA'S YOUNGEST
NAAC A++
ACCREDITED UNIVERSITY





Parul[®]
University





Parul[®]
University

INDIA'S YOUNGEST
NAAC A++
ACCREDITED UNIVERSITY





PARUL UNIVERSITY

Sustainable Development Goals

Scopus Publication Details

Summary

Sr. No.	Name of SDG	No. of Publication
1	SDG 1: No Poverty	7
2	SDG 2: Zero Hunger	79
3	SDG 3: Good Health and Well-being	687
4	SDG 4: Quality Education	20
5	SDG 5: Gender Equality	6
6	SDG 6: Clean Water and Sanitation	104
7	SDG 7: Affordable and Clean Energy	153
8	SDG 8: Decent Work and Economic Growth	59
9	SDG 9: Industry, Innovation and Infrastructure	167
10	SDG 10: Reduced Inequalities	10
11	SDG 11: Sustainable Cities and Communities	74
12	SDG 12: Responsible Consumption and Production	94
13	SDG 13: Climate Action	55
14	SDG 14: Life Below Water	20
15	SDG 15: Life On Land	47
16	SDG 16: Peace, Justice and Strong Institutions	17
17	SDG 17: Partnerships for the goals	249



SDG 1: No Poverty

Review • *Open access*

[Climate Change Impacts on Legume Physiology and Ecosystem Dynamics: A Multifaceted Perspective](#)

[Dave, K.P.](#), [Kumar, A.](#), [Dave, N.](#), ...[Yadav, A.](#), [Kaushik, P.](#)
Sustainability (Switzerland), 2024

Article

[Financial Inclusion Index and its Determinants among Asian Countries](#)

[Bhall, R.](#), [Berwal, K.](#), [Bisla, M.](#), [Kumar, J.](#)
Indian Journal of Economics and Development, 2024

Article

[EMERGING NATIONS' LEARNING SYSTEMS AND THE COVID-19 PANDEMIC: AN ANALYSIS](#)

[Prabhakar, A.](#), [Kapse, V.M.](#), [Patel, G.M.](#), ...[Singh, A.](#), [Kumar, A.K.S.](#)
Georgian Medical News, 2023

Book Chapter

[Bio and bio-based hybrid techniques for municipal wastewater treatment and resource recovery](#)

[Sandhwar, V.K.](#), [Saxena, S.](#), [Joshi, U.A.](#), [Yadav, A.R.](#)
Resource Recovery in Municipal Waste Waters, 2023

Book Chapter

[Environment and Sustainable Development](#)

[Rai, A.](#), [Fulekar, M.H.](#)
Climate Change and Sustainable Development, 2023

Article • *Open access*

[Prevalence and associated risk factors of Entamoeba histolytica infection among school children from three primary schools in Arsi Town, West Zone, Ethiopia](#)

[Roro, G.B.](#), [Eriso, F.](#), [Al-Hazimi, A.M.](#), ...[Upadhye, V.J.](#), [Hajare, S.T.](#)
Journal of Parasitic Diseases, 2022

Book Chapter

[Contactless attendance system: A health-care approach to prevent spreading of Covid-19](#)

[Yadav, A.R.](#), [Kumar, J.](#), [Anumeha.](#), [Agrawal, A.K.](#), [Kumar, R.](#)
Blockchain for 5G Healthcare Applications: Security and privacy solutions, 2022



SDG 2: Zero Hunger

Article

[Navigating the landscape of precision horticulture: Sustainable agriculture in the digital Age](#)

[Kumar, S.](#), [Wani, A.W.](#), [Kaushik, R.](#), ...[Yadav, K.K.](#), [Wani, A.K.](#)
Scientia Horticulturae, 2024

Review

[Nanoparticles Mediated Salt Stress Resilience: A Holistic Exploration of Physiological, Biochemical, and Nano-omics Approaches](#)

[Singh, A.](#), [Rajput, V.D.](#), [Agrawal, S.](#), ...[Papadakis, M.N.](#), [Athanasios, A.T.](#)
Reviews of Environmental Contamination and Toxicology, 2024

Article

[Metagenomic profiling of rhizosphere microbiota: Unraveling the plant-soil dynamics](#)

[Wani, A.K.](#), [Rahayu, F.](#), [Alkahtani, A.M.A.](#), ...[Rahayu, D.M.](#), [Singh, R.](#)
Physiological and Molecular Plant Pathology, 2024

Article

[Exploration of Drought Tolerant PGPR and Their role in Regulating Antioxidant Enzymes in Maize \(Zea mays L.\)](#)

[Rai, P.K.](#), [Sabharwal, U.](#), [Singh, S.](#), [Yadav, A.N.](#), [Choure, K.](#)
Journal of Soil Science and Plant Nutrition, 2024

Review • Open access

[Climate Change Impacts on Legume Physiology and Ecosystem Dynamics: A Multifaceted Perspective](#)

[Dave, K.P.](#), [Kumar, A.](#), [Dave, N.](#), ...[Yadav, A.](#), [Kaushik, P.](#)
Sustainability (Switzerland), 2024

Article

[Eicosane: An antifungal compound derived from Streptomyces sp. KF15 exhibits inhibitory potential against major phytopathogenic fungi of crops](#)

[Bhat, M.P.](#), [Kumar, R.S.](#), [Chakraborty, B.](#), ...[Kantli, G.B.](#), [Nayaka, S.](#)
Environmental Research, 2024

Review • Open access

[Nanoparticles in revolutionizing crop production and agriculture to address salinity stress challenges for a sustainable future](#)

[Singh, A.](#), [Agrawal, S.](#), [Rajput, V.D.](#), ...[Papadakis, M.N.](#), [Athanasios, A.T.](#)
Discover Applied Sciences, 2024

Review

Nanotechnology Interventions for Sustainable Plant Nutrition and Biosensing

[Singh, A.K.](#), [Upadhyay, P.](#), [Rami, E.](#), [Singh, S.K.](#)

Journal of Soil Science and Plant Nutrition, 2024

Article • *Open access*

Global burden and strength of evidence for 88 risk factors in 204 countries and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021

[Brauer, M.](#), [Roth, G.A.](#), [Aravkin, A.Y.](#), ...[Aldhaleei, W.A.](#), [Aldridge, R.W.](#)

The Lancet, 2024

Conference Paper

Anemia classification in Gujarat using data mining

[Thakor, K.](#), [Parikh, S.M.](#), [Gandhi, A.](#), [Dabhi, V.M.](#)

AIP Conference Proceedings, 2024

Book Chapter

Nanoparticles for crop improvement and management

[Das, R.](#), [Kumar, P.](#), [Agrawal, S.](#), ...[Mishra, S.K.](#), [Tiwari, K.N.](#)

Sustainable Agriculture: Nanotechnology and Biotechnology for Crop Production and Protection, 2024

Book Chapter

Nanoparticles-based abiotic stresses management in the climate era for sustainable crop production

[Agrawal, S.](#), [Kumar, P.](#), [Das, R.](#), ...[Mishra, S.K.](#), [Tiwari, K.N.](#)

Sustainable Agriculture: Nanotechnology and Biotechnology for Crop Production and Protection, 2024

Article • *Open access*

Validation of Integrated Pest Management Modules against Piercing and Sucking Insect Pest of Rice

[Longkumer, I.Y.](#), [Ahmad, M.A.](#), [Choudhary, S.](#), [Laichattiwar, M.A.](#), [Bajia, R.](#)

Agricultural Science Digest, 2024

Article

Assessment of pharmacological activities of specialized metabolites of *Withania somnifera* (L.)

[Singh, M.](#), [Bhutani, S.](#), [Dinkar, N.](#), ...[Bukhari, N.A.W.](#), [Nisha Khanam, M.](#)

South African Journal of Botany, 2024

Article • *Open access*

Nutritional status of under-5 children during COVID-19: Insights from Anganwadi workers of Kerala, India

[Behanan, A.](#), [Krishnan, A.](#), [Sukumar, B.S.](#), ...[Gadgil, N.D.](#), [Kulkarni, A.A.](#)
Multidisciplinary Reviews, 2024

Book Chapter

Biomass-Derived Biochar for Environmental Remediation

[Sharma, C.](#), [Saxena, J.](#), [Pathak, P.](#), [Kumar, S.](#)
Materials Horizons: From Nature to Nanomaterials, 2024

Review

Trends of Nanobiosensors in Modern Agriculture Systems

[Kumar, P.](#), [Chugh, P.](#), [Ali, S.S.](#), ...[Bhatia, A.](#), [Kumar, R.](#)
Applied Biochemistry and Biotechnology, 2024

Review

Value-Added Nanocellulose Valorized from Fruit Peel Waste for Potential Dermal Wound Healing and Tissue Regenerative Applications

[Datta, D.](#), [Prajapati, B.](#), [Jethva, H.](#), ...[Singh, S.K.](#), [Prajapati, B.G.](#)
Regenerative Engineering and Translational Medicine, 2024

Book Chapter

Bionanotechnology in Agriculture: Current Applications, Challenges, and Future Prospects

[Rami, E.](#), [Das, R.](#), [Agrawal, S.](#), [Upadhye, V.J.](#)
Bionanotechnology for Advanced Applications, 2024

Conference Paper

Detection of Mineral Deficiencies and Pests Symptoms in Coffee Crop Using Computer Vision

[Tajane, S.T.](#), [Irfan, B.M.](#), [Sugunadevi, C.](#), ...[Patil, H.](#), [Lakshmaiya, N.](#)
2nd International Conference on Intelligent Data Communication Technologies and Internet of Things, IDCIoT 2024, 2024

Article • *Open access*

Nutritional Status of Children with Beta Thalassemia Major | Vaikų, sergančių didžiąja beta talasemija, mitybos būklė

[Joshi, D.B.](#), [Nayak, U.S.](#)
Reabilitacijos Mokslai: Slauga, Kineziterapija, Ergoterapija, 2023

Article • *Open access*

Acceleration of histopathological and biochemical defense patterns in mung bean with biopriming of *Amycolatopsis* sp. SND-1 against *Cercospora* leaf spot disease

[Basavarajappa, D.S., Kumar, R.S., Rudrappa, M., ...Kantli, G.B., Nayaka, S.](#)
Journal of King Saud University - Science, 2023

Article • *Open access*

Genetic Variability and Diversity in Red Onion (*Allium cepa* L.) Genotypes: Elucidating Morpho-Horticultural and Quality Perspectives

[Amir, A., Sharangi, A.B., Bal, S., ...Saeed, M.A., Thapa, U.](#)
Horticulturae, 2023

Book Chapter

An introduction to nanoprimer for sustainable agriculture

[Agrawal, S., Das, R., Solanki, S., ...Mishra, S.K., Tiwari, K.N.](#)
Nanoprimer Approach to Sustainable Agriculture, 2023

Article • *Open access*

Antimicrobial Efficacy of 7-Hydroxyflavone Derived from *Amycolatopsis* sp. HSN-02 and Its Biocontrol Potential on Cercospora Leaf Spot Disease in Tomato Plants

[Math, H.H., Kumar, R.S., Chakraborty, B., ...Kantli, G.B., Nayaka, S.](#)
Antibiotics, 2023

Book Chapter

A high-fat diet versus a balanced diet: A systematic comparison

[Patel, M.G., Dharamsi, A.T.](#)
Everything You Need to Know About High-Fat Diets, 2023

Article • *Open access*

ARTIFICIAL INTELLIGENCE AND BIG DATA ANALYTICS-BASED OPTIMIZATION OF CROP YIELDS IN SUSTAINABLE AGRICULTURE

[Krishna, S.R., Kumar, R., Rose, J.D., ...Mehta, D., Ranadive, A.](#)
Carpathian Journal of Food Science and Technology, 2023

Conference Paper

Robotic Weed Control and Biodiversity Preservation: IoT Solutions for Sustainable Farming

[Ramakrishnan, R., Parvathy, P.R., Sapra, P., Sonule, V.B., Murugan, S.](#)
7th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2023 - Proceedings, 2023

Article

Livestock Healthcare and Farmer Contentment: An Exploration of Economic and Social Determinants

[Menaka, C., Kulkarni, B.G., Saraswat, N.](#)
Revista Electronica de Veterinaria, 2023

Article

Enhancing Farmer Awareness: Investigating the Knowledge Gaps in Goat Breeding Practices and Inbreeding Concerns

[Bhatt, R.](#), [Upadhye, V.J.](#), [Karthikeyan, M.P.](#)

Revista Electronica de Veterinaria, 2023

Conference Paper

Computational Intelligence Router of Machine and Artificial Intelligence Learning for the Expansion of Agriculture's Manufacturing Sector

[Ramakrishnan, R.](#), [Alanya-Beltran, J.](#), [Akram, S.V.](#), ...[Sanjay, C.P.](#), [Ponnusamy, R.](#)

2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2023, 2023

Conference Paper

Artificial Intelligence & AGILE Based Business Development Review

[Maneria, S.](#), [Paikaray, D.](#)

2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2023, 2023

Article

Maize Plant Leaf Disease Classification Using Supervised Machine Learning Algorithms

[Patel, A.](#), [Mishra, R.](#), [Sharma, A.](#)

Fusion: Practice and Applications, 2023

Article • *Open access*

Estimating the production of withaferin A and withanolide A in Withania somnifera (L.) dunal using aquaponics for sustainable development in hill agriculture

[Singh, M.](#), [Bhutani, S.](#), [Dinkar, N.](#), ...[Bhatt, S.C.](#), [Suyal, D.C.](#)

Frontiers in Plant Science, 2023

Article • *Open access*

Wood-decay fungi associated with decaying of coarse woody debris in Hail region, North of Saudi Arabia

[Alshammari, N.S.](#), [Fraih, A.B.Z.](#), [Al Tami, M.S.](#), [Upadhyay, T.K.](#)

Cellular and Molecular Biology, 2023

Article

Global Warming Effects on Water Supplies and Productivity of Crops

[Mathur, M.](#), [Thaker, T.H.](#), [Saxena, S.](#)

International Journal of Chemical and Biochemical Sciences, 2023

Article

An Intercultural Analysis on Farmers' Opinions and Intentions Regarding Global Warming

[Sharma, K., Patel, K.G., Yadav, U.](#)

International Journal of Chemical and Biochemical Sciences, 2023

Article • *Open access*

Quantum leap in the light of molecular elucidation of garlic genome

[Bal, S., Sharangi, A.B., Upadhyay, T.K., ...Kahrizi, D., Ahmad, I.](#)

Cellular and Molecular Biology, 2023

Conference Paper

Plant-Pathogen Detection Using Different Machine Learning Techniques

[Kaka, B., Ganatra, A.P.](#)

ICSPC 2023 - 4th International Conference on Signal Processing and Communication, 2023

Book Chapter

The Impact of Climate Change on Crop Production and Combat Strategies

[Singh, A.K., Rami, E., Upadhyay, P., Gangawane, A.K.](#)

Climate Change and Sustainable Development, 2023

Book

Climate Change and Sustainable Development

[Fulekar, M.H., Dubey, R.S.](#)

Climate Change and Sustainable Development, 2023

Book Chapter

Climate Change-Global Environmental Concern

[Rai, A., Fulekar, M.H.](#)

Climate Change and Sustainable Development, 2023

Book Chapter

Climate Change-International Policies

[Rai, A., Fulekar, M.H., Dubey, R.S.](#)

Climate Change and Sustainable Development, 2023

Article • *Open access*

Neuroprotective Potential of Solanum giganteum Leaves Extracts against Neurotoxin Agents and Oxidative DNA Damage in Rodents

[Shende, V.S., Kakadiya, J.L.](#)

Journal of Natural Remedies, 2023

Review • *Open access*

An Updated Review on Medicinal Plants with Hepato-protective Activity

[Janve, Y., Kakadiya, J.L., Mohan Maruga Raja, M.K.](#)

Journal of Natural Remedies, 2023

Article • *Open access*

[Abiotic stresses impact on major cereals and adaptation options - A review](#)

[Gaikwad, D.J.](#), [Ubale, N.B.](#), [Pal, A.](#), ...[Ali, M.A.](#), [Maitra, S.](#)
Research on Crops, 2022

Article • *Open access*

[ACC Deaminase Produced by PGPR Mitigates the Adverse Effect of Osmotic and Salinity Stresses in Pisum sativum through Modulating the Antioxidants Activities](#)

[Gupta, A.](#), [Rai, S.](#), [Bano, A.](#), ...[Saeed, M.A.](#), [Pathak, N.](#)
Plants, 2022

Article • *Open access*

[Sickle cell disease-related knowledge and perceptions of traditional healers in tribal communities in India: implications on sickle cell disease programme](#)

[Babu, B.V.](#), [Sridevi, P.](#), [Surti, S.B.](#), ...[Sudhakar, G.](#), [Sharma, Y.](#)
Journal of Community Genetics, 2022

Review • *Open access*

[A Review on Rasam: A Traditional Southern Indian Soup with Numerous Health Benefits](#)

[Mishra, S.](#), [Deore, D.](#), [Kumar, K.](#), [Mohan Maruga Raja, M.K.](#)
Journal of Natural Remedies, 2022

Review • *Open access*

[Applications of Nanotechnology-Based Agrochemicals in Food Security and Sustainable Agriculture: An Overview](#)

[Khan, F.](#), [Pandey, P.](#), [Upadhyay, T.K.](#)
Agriculture (Switzerland), 2022

Article • *Open access*

[Prevalence and associated risk factors of Entamoeba histolytica infection among school children from three primary schools in Arsi Town, West Zone, Ethiopia](#)

[Roro, G.B.](#), [Eriso, F.](#), [Al-Hazimi, A.M.](#), ...[Upadhye, V.J.](#), [Hajare, S.T.](#)
Journal of Parasitic Diseases, 2022

Article

[Epidemiological insights into anthropometric indices and their correlates among college students through a university-level screening program in Western India](#)

[Talati, K.N.](#), [Parmar, A.S.](#), [Zalavadiya, D.I.](#), [Shinde, M.K.](#), [Patel, G.M.](#)
Indian Journal of Community Medicine, 2022

Article • *Open access*

[Peripheral health workers' knowledge and experience related to sickle cell disease: an in-depth interview study in six tribal-dominated districts of India](#)

[Babu, B.V.](#), [Sridevi, P.](#), [Surti, S.B.](#), ...[Sudhakar, G.](#), [Sharma, Y.](#)
Journal of Community Genetics, 2022

Article • *Open access*

Assessing the Genetic Divergence of Onion (*Allium Cepa* L.) through Morpho-Physiological and Molecular Markers

[Raj, A.C.](#), [Sharangi, A.B.](#), [Das, A.K.](#), ...[Kausar, M.A.](#), [Saeed, M.A.](#)
Sustainability (Switzerland), 2022

Book Chapter

Application of Biochar for Soil Remediation

[Parmar, S.](#), [Daki, S.](#), [Shrivastav, A.](#)
Biochar and its Application in Bioremediation, 2022

Conference Paper

A Secure and Reliable Device Access Control Scheme for IoT based Monitoring Systems

[Paikaray, D.](#), [Gandhi, J.](#)
Proceedings of 5th International Conference on Contemporary Computing and Informatics, IC3I 2022, 2022

Conference Paper

IoT and ML based Irrigation System using KNN Algorithm

[Kumar Pandey, A.K.](#), [Patel, Y.](#)
Proceedings of 5th International Conference on Contemporary Computing and Informatics, IC3I 2022, 2022

Article • *Open access*

Flavonoids: A Potent Substance in Anti-ulcer and Hepatoprotective Agents

[Chakraborty, G.](#), [Patel, P.H.](#), [Sharma, S.K.](#), [Jani, R.K.](#), [Mandal, S.D.](#)
Journal of Natural Remedies, 2022

Article

Malnutrition among Under Five Children in Peri-Tribal areas: A study on Prevalence and Factors associated in Vadodara District of Gujarat State in India

[Waghela, D.](#), [Nagar, S.S.](#), [Ravi, R.P.](#)
Online Journal of Health and Allied Sciences, 2022

Conference Paper

A Review of Precision Agriculture Methodologies, Challenges, and Applications

[Malek, M.S.](#), [Dhiraj, B.](#), [Upadhyaya, D.S.](#), [Patel, D.](#)
Lecture Notes in Electrical Engineering, 2022

Letter • *Open access*

[A case for action: India's national family health survey datasets await exploration of big data applications toward evidence-informed public health decision-making to tackle malnutrition](#)

[Talati, K.N.](#), [Patel, G.M.](#), [Gurjwar, R.](#), [Yadav, A.R.](#)

Indian Journal of Community Medicine, 2022

Conference Paper

[LSTM-RNN Combined Approach for Crop Yield Prediction on Climatic Constraints](#)

[Patel, J.](#), [Vala, B.](#), [Saiyad, M.](#)

Proceedings - 5th International Conference on Computing Methodologies and Communication, ICCMC 2021, 2021

Article

[Talaromyces pinophilus strain M13: a portrayal of novel groundbreaking fungal strain for phytointensification](#)

[Patel, D.S.](#), [Patel, A.](#), [Patel, M.](#), [Goswami, D.](#)

Environmental Science and Pollution Research, 2021

Conference Paper

[Identification of Nutrition's Deficiency in Plant and Prediction of Nutrition Requirement Using Image Processing](#)

[Patel, A.](#), [Swaminarayan, P.R.](#), [Patel, M.](#)

Lecture Notes in Networks and Systems, 2021

Article

[Molecular markers: An uprising tool for crop improvement](#)

[Badonia, M.](#), [Patidar, S.](#), [Sharma, C.K.](#)

Research on Crops, 2020

Article

[CRISPR/CAS9 technology for CROP improvement: A new weapon for indian agricultural threats](#)

[Marotkar, S.](#), [Hirapure, P.](#), [Paranjape, S.A.](#), [Upadhye, V.J.](#)

Plant Cell Biotechnology and Molecular Biology, 2020

Article

[Digitalagriculture: Contemporary ways for precision farming practices in India](#)

[Bharadwaj, A.](#), [Hirapure, P.](#), [Paranjape, S.A.](#), [Upadhye, V.J.](#)

Plant Cell Biotechnology and Molecular Biology, 2020

Conference Paper

[Assessing mycoparasytic activity exhibited by phyto-friendly-fungi \(PFF\) in combating phytopathogenic fungi by producing various glucanases](#)

[Patel, D.S.](#), [Patel, S.](#), [Tekwani, S.](#), ...[Acharya, D.K.](#), [Goswami, D.](#)

Biotechnology and Biological Sciences-Proceedings of the 3rd International Conference of Biotechnology and Biological Sciences, BIOSPECTRUM 2019, 2020

Book Chapter

Trichoderma species as foe and friend of plant

[Patel, D.](#), [Acharya, D.K.](#), [Menon, S.](#), [Vadakan, S.](#), [Goswami, D.](#)

Plant Growth Promoting Microorganisms: Microbial Resources for Enhanced Agricultural Productivity, 2019

Book Chapter

Integrated disease management: An upgrade to the use of biofertilizers

[Patel, D.](#), [Acharya, D.K.](#), [Menon, S.](#), [Vadakan, S.](#), [Goswami, D.](#)

Plant Growth Promoting Microorganisms: Microbial Resources for Enhanced Agricultural Productivity, 2019

Article

Effect of GDP with respect to the Nominal and Real GDP of India: 2014-‘15

[Ayu Salmah, N.N.](#), [Chauhan, R.](#), [Valianti, R.M.](#), [Maselena, A.](#)

Opcion, 2019

Article

Effect of GDP with respect to the nominal and real GDP of India: 2014-‘15 | Efecto del PIB con respecto al PIB nominal y real de la India: 2014-‘15

[Ayu Salmah, N.N.](#), [Chauhan, R.](#), [Valianti, R.M.](#), [Maselena, A.](#)

Opcion, 2019

Article • *Open access*

A resourceful methodology to profile indolic auxins produced by rhizo-fungi using spectrophotometry and HPTLC

[Patel, D.S.](#), [Patel, A.](#), [Vora, D.](#), ...[Acharya, D.K.](#), [Goswami, D.](#)

3 Biotech, 2018

Article

Formulation and development of enteric coated pH dependent compression coated tablets of mesalamine

[Patel, T.D.](#), [Patel, D.M.](#), [Patel, C.N.](#), [Parikh, B.N.](#), [Gothi, G.D.](#)

Journal of Global Pharma Technology, 2010



SDG 3: Good Health and Well-being

Article • *Open access*

[Advancements in Telehealth: Enhancing Breast Cancer Detection and Health Automation through Smart Integration of IoT and CNN Deep Learning in Residential and Healthcare Settings](#)

[Duodu, N.Y.](#), [Patel, W.D.](#), [Koyuncu, H.](#)

Journal of Advanced Research in Applied Sciences and Engineering Technology, 2025

Review

[An insight into recent developments in imidazole based heterocyclic compounds as anticancer agents: Synthesis, SARs, and mechanism of actions](#)

[Kumar, A.](#), [Kaushal, A.](#), [Verma, P.K.](#), ...[Yadav, A.K.](#), [Kumar, D.](#)

European Journal of Medicinal Chemistry, 2024

Article • *Open access*

[RNA-Seq analysis of human heart tissue reveals SARS-CoV-2 infection and inappropriate activation of the TNF-NF- \$\kappa\$ B pathway in cardiomyocytes](#)

[Dave, K.P.](#), [Jain, M.](#), [Sharma, M.](#), ...[Kole, C.](#), [Kaushik, P.](#)

Scientific Reports, 2024

Article

[Navigating the landscape of precision horticulture: Sustainable agriculture in the digital Age](#)

[Kumar, S.](#), [Wani, A.W.](#), [Kaushik, R.](#), ...[Yadav, K.K.](#), [Wani, A.K.](#)

Scientia Horticulturae, 2024

Article • *Open access*

[Rifabutin loaded inhalable \$\beta\$ -glucan microparticle based drug delivery system for pulmonary TB](#)

[Ahmad, F.](#), [Ahmad, S.](#), [Upadhyay, T.K.](#), ...[Al-Keridis, L.A.](#), [Sharma, R.K.](#)

Scientific Reports, 2024

Article

[Brain tumor segmentation using U-Net++ with dense connection](#)

[Makwana, C.](#), [Nayak, N.](#), [Sagar, M.](#)

Multidisciplinary Science Journal, 2024

Article • *Open access*

[Preparation, characterization and antioxidant and anticancerous potential of Quercetin loaded \$\beta\$ -glucan particles derived from mushroom and yeast](#)

[Trivedi, R., Upadhyay, T.K.](#)

Scientific Reports, 2024

Article • *Open access*

[Plant bioactive compounds driven microRNAs \(miRNAs\): A potential source and novel strategy targeting gene and cancer therapeutics](#)

[Sumaira, S., Vijayarathna, S., Hemagirri, M., ...Kanwar, J.R., Sreenivasan, S.](#)

Non-coding RNA Research, 2024

Review • *Open access*

[Effects of environmental metal and metalloid pollutants on plants and human health: exploring nano-remediation approach](#)

[Rajput, P., Singh, A., Agrawal, S., ...Minkina, T.M., Athanasios, A.T.](#)

Stress Biology, 2024

Article • *Open access*

[Prevalence of human papillomavirus infection and associated factors among women attending cervical cancer screening in setting of Addis Ababa, Ethiopia](#)

[Tesfaye, E., Kumbi, B., Mandefro, B., ...Upadhye, V.J., Hajare, S.T.](#)

Scientific Reports, 2024

Article • *Open access*

[Acidic pH at physiological salinity enhances the antitumor efficacy of lenvatinib, a drug targeting vascular endothelial growth factor receptors](#)

[Prajaapati, S.K., Prajaapati, B., Patel, M., Gupta, R.](#)

World Academy of Sciences Journal, 2024

Article

[Decoding eggplant fruit: Multi-omics profiling of caffeoyl-CoA-3-OMT expression](#)

[Dave, K.P., Kaushik, P., Patil, N., ...Dhanda, P.S., Jain, M.](#)

South African Journal of Botany, 2024

Article

[A review on e-waste contamination, toxicity, and sustainable clean-up approaches for its management](#)

[Kumar, P.S., Singh, S., Gacem, A., ...Tariq, M., Waqas Alam, M.W.](#)

Toxicology, 2024

Article • *Open access*

[Identification of common biomarkers affecting patient survival in cancers](#)

[Singh, P.](#), [Patel, M.](#), [Bhowmik, D.](#), ...[Prajapati, S.K.](#), [Gupta, R.](#)
World Academy of Sciences Journal, 2024

Article

[Sickle cell disease in Indian tribal population: Findings of a multi-centre Indian SCD registry](#)

[Sharma, Y.](#), [Bhat, D.](#), [Sridevi, P.](#), ...[Sudhakar, G.](#), [Babu, B.V.](#)
Blood Cells, Molecules, and Diseases, 2024

Article • *Open access*

[Integrating computational methods and in vitro experimental validation reveals the pharmacological mechanism of Selaginella bryopteris \(L.\) Baker targeting major proteins in breast cancer](#)

[AwadElkareem, A.M.](#), [Patel, M.B.](#), [Banu, H.](#), [Adnan, M.](#)
Heliyon, 2024

Review • *Open access*

[Phytochemical, biological, and nutritional properties of the prickly pear, Opuntia dillenii: A review](#)

[Loukili, E.H.](#), [Merzouki, M.](#), [Taibi, M.](#), ...[Kumar, P.S.](#), [Choi, J.](#)
Saudi Pharmaceutical Journal, 2024

Article

[Improvement of Bioavailability of Sildenafil Citrate Through Taste Masked Orodispersible Film for Pulmonary Hypertension Management](#)

[Mewada, V.](#), [Shah, J.N.](#), [Jacob, S.](#), ...[Boddu, S.H.](#), [Nair, A.B.](#)
AAPS PharmSciTech, 2024

Review

[A comprehensive review on microalgal chromium detoxification in tannery wastewater: Paving the way for biobased products](#)

[Verma, P.](#), [Sirotiya, V.](#), [Rathore, R.](#), ...[Yadav, K.K.](#), [Vinayak, V.](#)
Process Safety and Environmental Protection, 2024

Article

[Green Synthesis of Zinc Oxide Nanoparticles Using Egg White and Coriander Root Waste: Characterization and Anti-Cancer Efficacy in Hela Cells](#)

[Saeed, M.A.](#), [Al-Keridis, L.A.](#), [Khattak, S.](#), ...[Upadhyay, T.K.](#), [Kumar Kesari, K.K.](#)
Waste and Biomass Valorization, 2024

Article • *Open access*

[Probiotic Lactobacillus salivarius mediated synthesis of silver nanoparticles \(AgNPs-LS\): A sustainable approach and multifaceted biomedical application](#)

[Abdelgadir, A.](#), [Adnan, M.](#), [Patel, M.B.](#), ...[Badraoui, R.](#), [Siddiqui, A.J.](#)
Heliyon, 2024

Erratum • *Open access*

[Correction to: Proteomic Approach for Comparative Analysis of the Spike Protein of SARS-CoV-2 Omicron \(B.1.1.529\) Variant and Other Pango Lineages \(Proteomes, \(2022\), 10, 4, \(34\), 10.3390/proteomes10040034\)](#)

[Jain, M.](#), [Patil, N.](#), [Gor, D.](#), ...[Goel, N.](#), [Kaushik, P.](#)
Proteomes, 2024

Article • *Open access*

[Effect of compression ratio and load on performance and emission behavior of VCR-CRDI engine fueled with Moringa oleifera biodiesel](#)

[Patel, V.](#), [Buch, V.R.](#)
Journal of Thermal Engineering, 2024

Article • *Open access*

[Unlocking bioremediation potential: harnessing an indigenous bacterial consortium from effluent treatment plants for industrial wastewater treatment](#)

[Rai, A.](#), [Yadav, V.K.](#), [Ali, D.](#), [Fulekar, M.H.](#)
Environmental Research Communications, 2024

Review

[The Mycobacterium tuberculosis Cell Wall: An Alluring Drug Target for Developing Newer Anti-TB Drugs—A Perspective](#)

[Chauhan, M.](#), [Barot, R.R.](#), [Yadav, R.](#), ...[Yadav, M.R.](#), [Murumkar, P.R.](#)
Chemical Biology and Drug Design, 2024

Review

[Neurological insights into brain-targeted cancer therapy and bioinspired microrobots](#)

[Ghosh, S.](#), [Bhaskar, R.](#), [Mishra, R.](#), ...[Jha, N.K.](#), [Sinha, J.K.](#)
Drug Discovery Today, 2024

Article

[Network Pharmacology Reveals Key Targets and Pathways of Madhuca longifolia for Potential Alzheimer's Disease Treatment](#)

[Khare, N.](#), [Barot, M.](#), [Singh, S.](#), [Jain, T.](#)
Cell Biochemistry and Biophysics, 2024

Article

[Pharmacokinetic and Biodistribution Studies of Camel Milk Casein Nanoparticles Loaded Sorafenib in Swiss Albino Mice](#)

[Mittal, A.](#), [Pradhan, R.](#), [Mahala, N.](#), ...[Dubey, S.K.](#), [Dubey, U.S.](#)
BioNanoScience, 2024

Book Chapter

[Vibrational spectroscopy in forensic sample analysis](#)

[Singh, H.](#), [George, N.](#), [Attitiniti, D.](#), [Pandya, S.R.](#)
Advances in Analytical Techniques for Forensic Investigation, 2024

Article

[Simulation study of a highly sensitive I-shaped Plasmonic nanosensor for sensing of biomolecules](#)

[Chauhan, D.](#), [Sbeah, Z.A.](#), [Sorathiya, V.P.](#), [Adhikari, R.](#), [Dwivedi, R.P.](#)
Physica Scripta, 2024

Review

[Nano revolution of DNA nanostructures redefining cancer therapeutics—A comprehensive review](#)

[Yadav, K.](#), [Gnanakani, S.P.E.](#), [Sahu, K.K.](#), ...[Minz, S.](#), [Pradhan, M.](#)
International Journal of Biological Macromolecules, 2024

Article • *Open access*

[Recent update on biomimetic sensor technology for cancer diagnosis](#)

[Das, P.P.](#), [Nagraik, R.](#), [Sharma, A.](#), ...[Singh, J.](#), [Kumar, D.](#)
Talanta Open, 2024

Book Chapter

[Role of microbes in heavy metal bioremediation](#)

[Bora, J.](#), [Acharya, S.](#), [Mondal, S.](#), ...[Rustagi, S.](#), [Lata, S.](#)
Nanotechnology Applications and Innovations for Improved Soil Health, 2024

Review

[Empowering tomorrow's medicine: energy-driven micro/nano-robots redefining biomedical applications](#)

[Preetam, S.](#), [Pritam, P.](#), [Mishra, R.](#), ...[Lata, S.](#), [Malik, S.](#)
Molecular Systems Design and Engineering, 2024

Article

[Berberine encapsulated phenylboronic acid-conjugated pullulan nanoparticles: Synthesis, characterization and anticancer activity validated in A431 skin cancer cells and 3D spheroids](#)

[Solanki, R.](#), [Parmar, B.](#), [Jadav, M.](#), ...[Kulhari, H.](#), [Patel, S.R.](#)
International Journal of Biological Macromolecules, 2024

Erratum

[Corrigendum to “Emerging trends of phytochemicals as ferroptosis modulators in cancer therapy” \[Biomed. Pharmacother. 173 \(2024\) 116363\]\(S0753332224002476\)\(10.1016/j.biopha.2024.116363\)](#)

[Khan, F.](#), [Pandey, P.](#), [Verma, M.](#), ...[Upadhyay, T.K.](#), [Kim, B.](#)
Biomedicine and Pharmacotherapy, 2024

Review • *Open access*

[Perilous paradigm of graphene oxide and its derivatives in biomedical applications: Insight to immunocompatibility](#)

[Ayreen, Z.](#), [Khatoon, U.](#), [Kirti, A.](#), ...[Suar, M.](#), [Verma, S.K.](#)
Biomedicine and Pharmacotherapy, 2024

Review

[Dietary anti-inflammatory and anti-bacterial medicinal plants and its compounds in bovine mastitis associated impact on human life](#)

[Nelson, V.K.](#), [Nuli, M.V.](#), [Ausali, S.](#), ...[Mitta, R.](#), [Jha, N.K.](#)
Microbial Pathogenesis, 2024

Article

[Association of Adipokine Gene Polymorphism and Serum Adipokine Levels in Prediabetic Population](#)

[Bineesh, C.P.](#), [Viswanath, V.](#), [Vimal, M.V.](#), [Prabhakar, P.K.](#)
Letters in Applied NanoBioScience, 2024

Review • *Open access*

[Alginate-Chitosan Biodegradable and Biocompatible Based Hydrogel for Breast Cancer Immunotherapy and Diagnosis: A Comprehensive Review](#)

[Patra, P.](#), [Upadhyay, T.K.](#), [Alshammari, N.S.](#), [Saeed, M.A.](#), [Kumar Kesari, K.K.](#)
ACS Applied Bio Materials, 2024

Review

[Revolutionizing Leishmaniasis Treatment with Cutting Edge Drug Delivery Systems and Nanovaccines: An Updated Review](#)

[Tambe, S.M.](#), [Nag, S.](#), [Pandya, S.R.](#), ...[Amin, P.D.](#), [Gupta, P.K.](#)
ACS Infectious Diseases, 2024

Article • *Open access*

[Journey From a Digital Innovation to a Sustainable Health Worker Capacity-Building App in India: Experiences, Challenges, and Lessons Learned](#)

[Chase, R.](#), [Sanyal, S.](#), [Singh, P.](#), ...[Soni, G.K.](#), [Ganguly, P.](#)
Global Health Science and Practice, 2024

Review • *Open access*

[Extracellular Vesicular miRNA in Pancreatic Cancer: From Lab to Therapy](#)

[Tiwari, P.K.](#), [Shanmugam, P.](#), [Karn, V.](#), ...[Jha, N.K.](#), [Kumar, S.](#)
Cancers, 2024

Review • *Open access*

[Protein Kinase C \(PKC\) in Neurological Health: Implications for Alzheimer's Disease and Chronic Alcohol Consumption](#)

[Singh, N.](#), [Nandy, S.K.](#), [Jyoti, A.](#), ...[Siddiqui, A.J.](#), [Sharma, L.K.](#)
Brain Sciences, 2024

Article

[In silico and network pharmacology analysis of fucosterol: a potent anticancer bioactive compound against HCC](#)

[Singh, K.P.](#), [Kumar, P.V.D.](#), [Singh, A.K.](#), ...[Tripathi, A.K.](#), [Mishra, S.K.](#)
Medical Oncology, 2024

Letter • *Open access*

[Profile and Outcome of Newborns Seeking Care with Quality Care Assessment at 'Special Newborn Care Units'](#)

[Sahu, D.](#), [Sahu, S.](#), [Godara, N.R.](#)
Indian Journal of Pediatrics, 2024

Article • *Open access*

[Global burden and strength of evidence for 88 risk factors in 204 countries and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021](#)

[Brauer, M.](#), [Roth, G.A.](#), [Aravkin, A.Y.](#), ...[Aldhaleei, W.A.](#), [Aldridge, R.W.](#)
The Lancet, 2024

Article • *Open access*

[Burden of disease scenarios for 204 countries and territories, 2022–2050: a forecasting analysis for the Global Burden of Disease Study 2021](#)

[Vollset, S.E.](#), [Ababneh, H.S.](#), [Abate, Y.H.](#), ...[Alqutaibi, A.Y.](#), [Alrawashdeh, A.A.](#)
The Lancet, 2024

Article

[Controllable synthesis of high-yield magnetic nanomaterials assisted dye adsorbents from waste-water treatment and applications](#)

[Sharma, K.](#), [Chakroborty, S.](#), [Pal, K.](#), ...[Abdullah, M.M.](#), [Albargi, H.B.](#)
Journal of Molecular Structure, 2024

Conference Paper

[A Review on Kidney Tumor Segmentation and Detection Using Different Artificial Intelligence Algorithms](#)

[Patel, V.V.](#), [Yadav, A.R.](#)

AIP Conference Proceedings, 2024

Conference Paper

[A Review on Pyrolysis: Plastic Waste Recycling Method](#)

[Patel, A.I.](#), [Molvi, I.](#), [das Lala, S.](#)

AIP Conference Proceedings, 2024

Conference Paper

[Analysis & Prediction of Cardiac Arrhythmia using Deep Learning Techniques](#)

[Ameta, G.K.](#), [Sisodia, P.S.](#)

AIP Conference Proceedings, 2024

Conference Paper

[Review on Identify Road Potholes Using Image Semantic Segmentation for Advance Driver Assistant System](#)

[Patel, N.](#), [Dabhi, V.M.](#), [Adhvaryu, R.](#)

AIP Conference Proceedings, 2024

Article • *Open access*

[Molecular docking and dynamic simulation analysis of natural polyphenols for identifying potential PTP1B inhibitors for type 2 diabetes](#)

[Khona, P.](#), [Kabra, U.D.](#)

Indian Journal of Chemistry (IJC), 2024

Article • *Open access*

[New polymorphic forms of Lenvatinib mesylate and process for their preparation](#)

[Trivedi, M.D.](#), [Chavda, R.](#), [Kathrotiya, H.G.](#), [Vora, P.A.](#), [Dubal, G.G.](#)

Indian Journal of Chemistry (IJC), 2024

Article

[Biogenic synthesis of silver nanoparticles from Solanum tuberosum peel and their potent antibacterial action](#)

[Michael, A.](#), [Singh, A.](#), [Mishra, R.](#), ...[Verma, R.K.](#), [Sharma, K.D.](#)

Nano-Structures and Nano-Objects, 2024

Article • *Open access*

[In Silico Screening of Phytochemicals as an Approach against Tubulin Inhibitor in Prostate Cancer](#)

[Shaikh, A.](#), [Patel, P.H.](#), [Sharma, S.K.](#), [Jha, A.](#), [Parmar, I.](#)

Journal of Natural Remedies, 2024

Review

[Mechanism and potentialities of photothermal and photodynamic therapy of transition metal dichalcogenides \(TMDCs\) against cancer](#)

[Tyagi, N.](#), [Arya, R.K.K.](#), [Bisht, D.](#), ...[Pandey, S.](#), [Kumar, D.](#)

Luminescence, 2024

Review

[A holistic review of recent advances in nano-based drug delivery systems for the treatment of triple-negative breast cancer \(TNBC\)](#)

[Mehta, S.](#), [Shah, V.R.](#), [Patel, G.M.](#), [Conte, C.A.C.](#), [Joshi, N.J.](#)

Journal of Nanoparticle Research, 2024

Review

[Innovative strategies to manage polluted aquatic ecosystem and agri-food waste for circular economy](#)

[Trivedi, R.](#), [Upadhyay, T.K.](#), [Khan, F.](#), ...[Emran, T.B.](#), [Siddique, M.A.B.](#)

Environmental Nanotechnology, Monitoring and Management, 2024

Review

[The Impact of Fine Particulate Matters \(PM₁₀, PM_{2.5}\) from Incense Smokes on the Various Organ Systems: A Review of an Invisible Killer](#)

[Yadav, V.K.](#), [Bijekar, S.](#), [Gacem, A.](#), ...[Patel, A.D.](#), [Choudhary, N.](#)

Particle and Particle Systems Characterization, 2024

Article • *Open access*

[Green Synthesis Of silver Nanoparticles Using Elettaria cardamomum: Characterization and Antimicrobial Potential](#)

[Patel, N.D.](#), [Patel, D.A.](#), [Shrimali, G.](#), [Kamdar, R.](#)

Current Trends in Biotechnology and Pharmacy, 2024

Book Chapter

[Nanoparticles for crop improvement and management](#)

[Das, R.](#), [Kumar, P.](#), [Agrawal, S.](#), ...[Mishra, S.K.](#), [Tiwari, K.N.](#)

Sustainable Agriculture: Nanotechnology and Biotechnology for Crop Production and Protection, 2024

Article

[Versatile Application of Polymeric Gel Using Gelatin Polymer](#)

[Ahuja, S.](#), [Sinojia, A.](#)

Research Journal of Pharmacy and Technology, 2024

Article

Development and Validation of High-Performance Thin Layer Chromatographic Method for Simultaneous Estimation of Curcumin and Artemisinin

[Thakkar, V.T.](#), [Dalwadi, S.](#), [Shah, A.](#), [Shah, P.A.](#), [Tandel, D.B.](#)

Research Journal of Pharmacy and Technology, 2024

Article • *Open access*

In-silico APPROACH FOR VIRTUAL SCREENING AND MOLECULAR DOCKING OF FLAVONOIDS AS ERBB4 KINASE INHIBITORS IN THE TREATMENT OF CANCER

[Mehta, D.N.](#), [Patel, P.H.](#), [Mandal, S.D.](#), [Chakraborty, G.](#)

Rasayan Journal of Chemistry, 2024

Review • *Open access*

Emerging trends of phytochemicals as ferroptosis modulators in cancer therapy

[Khan, F.](#), [Pandey, P.](#), [Verma, M.](#), ...[Upadhyay, T.K.](#), [Kim, B.](#)

Biomedicine and Pharmacotherapy, 2024

Article

Evaluation of the cytotoxic activity of sorafenib-loaded camel milk casein nanoparticles against hepatocarcinoma cells

[Mittal, A.](#), [Mahala, N.](#), [Dhanawade, N.H.](#), [Dubey, S.K.](#), [Dubey, U.S.](#)

Biotechnology Journal, 2024

Review

A review on fluoride contamination in groundwater and human health implications and its remediation: A sustainable approaches

[Kumar, P.S.](#), [Kumar, M.](#), [Barnawi, A.B.](#), ...[Vinayak, V.](#), [Wanale, S.G.](#)

Environmental Toxicology and Pharmacology, 2024

Review • *Open access*

Terpenoid-Mediated Targeting of STAT3 Signaling in Cancer: An Overview of Preclinical Studies

[Khan, F.](#), [Pandey, P.](#), [Verma, M.](#), [Upadhyay, T.K.](#)

Biomolecules, 2024

Article • *Open access*

Investigation of the Effect of Coconut Palm Sugar on Metabolic Disorders in Experimental Diabetic Rats

[Patel, S.](#), [Navale, A.M.](#)

Journal of Natural Remedies, 2024

Article • *Open access*

[Preclinical Assessment of Crocus sativus Extract Loaded Nano Emulsion for Scopolamine Induced Cognitive Impairment: A Comprehensive Safety and Efficacy Study](#)

[Parikh, N.A.](#), [Patel, K.S.](#)

Journal of Natural Remedies, 2024

Review

[Development of HIV Therapeutic Approaches based on Nanotechnology](#)

[Palash, A.](#), [Esha, R.](#), [Kiran, P.](#), [Javid, S.](#)

Research Journal of Biotechnology, 2024

Book Chapter

[Reinstating the expression and activation of caspase-8 and caspase-10 in cancer therapy](#)

[Gurjar, V.K.](#), [Jain, S.](#), [Vaidya, A.](#), [Bansal, K.K.](#)

Caspases as Molecular Targets for Cancer Therapy, 2024

Book Chapter

[Caspase-3: A promising target for anticancer agents](#)

[Pandey, S.](#), [Jain, S.](#), [Sahu, S.K.](#), [Gurjar, V.K.](#), [Vaidya, A.](#)

Caspases as Molecular Targets for Cancer Therapy, 2024

Book Chapter

[Supramolecular photosensitizer-dendrimer complexes for photodynamic therapy in cancer treatment](#)

[Jadav, M.](#), [Rai, D.B.](#), [Pooja, D.](#), [Kulhari, H.](#)

Nanophototherapy: Preparations and Applications, 2024

Article

[Dual drug co-encapsulation of bevacizumab and pemetrexed clocked polymeric nanoparticles improves antiproliferative activity and apoptosis induction in liver cancer cells](#)

[Ganesan, S.](#), [Upadhye, V.J.](#), [Aulakh, D.](#), ...[Arulselvan, P.](#), [Thangavelu, I.](#)

Journal of Applied Polymer Science, 2024

Article • *Open access*

[Development of stable formulations of pemetrexed](#)

[Vora, P.A.](#), [Patel, R.S.](#), [Dharamsi, A.T.](#), [Patel, D.J.](#), [Shah, U.](#)

Journal of Research in Pharmacy, 2024

Article • *Open access*

[Research on Difficulties Associated with Webcam Application in Virtual Medical Training during Covid-19 | Investigación sobre las dificultades asociadas a la aplicación de cámaras web en la formación médica virtual durante Covid-19](#)

[Srinivasan, P.](#), [Singh, J.](#), [Singh, S.](#), ...[Upadhye, V.J.](#), [Rampal, S.](#).
Salud, Ciencia y Tecnologia, 2024

Article

[Estimation of land surface temperature and LULC changes impact on groundwater resources in the semi-arid region of Madhya Pradesh, India](#)

[Moharir, K.N.](#), [Baliram Pande, C.](#), [Kumar Gautam, V.](#), ...[Pramanik, M.K.](#), [Elsahabi, M.A.](#).
Advances in Space Research, 2024

Article • *Open access*

[Treating Post-Stroke Aphasia: Psychological Wellness Approaches | Tratamiento de la afasia post-ictus: Enfoques de Bienestar Psicológico](#)

[Jaiswal, A.](#), [Shukla, A.](#), [Chhasatia, A.H.](#), ...[Kapoor, P.](#), [Singh Chouhan, D.](#).
Salud, Ciencia y Tecnologia, 2024

Conference Paper

[Prediction of heart disease using a novel slap swarm optimized multi-objective random forest](#)

[Ganapathy, K.](#), [Kapoor, E.](#), [Patel, D.J.](#), [Singh, V.K.](#).
Multidisciplinary Science Journal, 2024

Conference Paper

[Comparative analysis of semantic segmentation and multi-boosted faster R-CNN for robotic tool detection in diabetes patient care](#)

[Patel, G.M.](#), [Sharma, C.](#), [Asha, K.S.](#), [Verma, P.S.](#).
Multidisciplinary Science Journal, 2024

Article • *Open access*

[Assessment of antimicrobial activity and methyl orange dye removal by Klebsiella pneumoniae-mediated silver nanoparticles](#)

[Desai, R.](#), [Yadav, V.K.](#), [Patel, B.K.](#), ...[Sahoo, D.K.](#), [Patel, A.D.](#).
Green Processing and Synthesis, 2024

Conference Paper

[Effects of the brain tumor and its therapy on the physical and mental health of tumor survivors](#)

[Pallavi,](#) [Gohil, J.](#), [Desai, K.](#), [Ghosal, S.](#), [Roy, A.](#).
Multidisciplinary Science Journal, 2024

Conference Paper

[Diabetes mellitus patients' mental responses to COVID-19 and its treatment](#)

[Desai, K.](#), [Ghosal, S.](#), [Goyal, B.](#), [Pallavi,](#) [Patel, D.J.](#)

Multidisciplinary Science Journal, 2024

Article • *Open access*

[Notch signaling mediated repressive effects of resveratrol in inducing caspase-dependent apoptosis in MCF-7 breast cancer cells](#)

[Pandey, P.](#), [Ramniwas, S.](#), [Seifeldin, S.A.](#), ...[Khan, F.](#), [Saeed, A.](#)

Cellular and Molecular Biology, 2024

Article • *Open access*

[Sulforaphane regulates cell proliferation and induces apoptotic cell death mediated by ROS-cell cycle arrest in pancreatic cancer cells](#)

[Cho, Y.](#), [Park, M.](#), [Choi, M.](#), ...[Harrath, A.H.](#), [Kim, B.](#)

Frontiers in Oncology, 2024

Conference Paper

[A novel swarm-intelligent based gated recurrent unit for classifying and diagnosing diabetes mellitus patients](#)

[Kumar, A.](#), [Parveen, S.](#), [Reddy, E.V.](#), [Patel, D.J.](#)

Multidisciplinary Science Journal, 2024

Conference Paper

[A hybrid machine learning-powered intelligent system for enhancing dengue patient safety and care](#)

[Kumar, C.S.](#), [Gupta, K.R.L.](#), [Patel, G.M.](#), [Haria, J.M.](#)

Multidisciplinary Science Journal, 2024

Conference Paper

[A novel deer hunting optimized cat boost approach for interactive medical decision-making system](#)

[Rani, R.](#), [Patel, D.J.](#), [Jain, S.K.](#), [Jyothi, R.R.](#)

Multidisciplinary Science Journal, 2024

Review • *Open access*

[Unraveling cancer progression pathways and phytochemical therapeutic strategies for its management](#)

[Sharma, V.](#), [Chaudhary, A.A.](#), [Bawari, S.](#), ...[Kumar, S.](#), [Sandeep, K.V.](#)

Frontiers in Pharmacology, 2024

Review • *Open access*

[Significance of VLPs in Vlp-circRNA vaccines: a vaccine candidate or delivery vehicle?](#)

[Gupta, R.](#), [Arora, K.](#), [Mehrotra Arora, N.](#), [Kundu, P.K.](#)

RNA Biology, 2024

Book Chapter

Potential antihyperglycemic medicinal plants and their active components

[Raole, V.M.](#), [Oza, K.K.](#), [Raole, V.V.](#)

Herbal Formulations, Phytochemistry and Pharmacognosy: Natural Remedies and Drug Discovery, 2024

Book Chapter

Herbal formulations for the treatment of fungal infection

[Patel, M.G.](#), [Patel, K.](#), [Bera, K.](#), [Prajapati, B.G.](#)

Herbal Formulations, Phytochemistry and Pharmacognosy: Natural Remedies and Drug Discovery, 2024

Review

A Systematic Narrative Review on ADIPOQ Gene Variants and its Association with T2DM in the Indian Population

[Khan, M.D.](#), [Srivastava, R.K.](#), [Upadhyay, T.K.](#), [Khan, M.M.](#)

Endocrine, Metabolic and Immune Disorders - Drug Targets, 2024

Conference Paper

Development of a COVID-19 pandemic psychological endurance and coping efficiency model

[Varma, P.](#), [Soni, I.](#), [Homavazir, Z.](#), [Tanvi, D.](#), [Das, R.](#)

Multidisciplinary Science Journal, 2024

Conference Paper

Advanced skin disease detection: Image processing and modified genetic optimization with supervised k-nearest neighbors

[Meena, D.K.](#), [Sharma, U.S.U.](#), [Mohanani, M.](#), [Patel, G.M.](#)

Multidisciplinary Science Journal, 2024

Review

Targeted Identification of Antibacterial Phytocompounds from Plant Extracts against Multidrug-Resistant Bacteria: A Systematic Review

[Mujahid, M.H.](#), [Upadhyay, T.K.](#), [Upadhye, V.J.](#)

Journal of Angiotherapy, 2024

Short Survey

Salivary Biomarkers for Oral Cancer Detection: Insights from Human DNA and RNA Analysis

[Navale, A.M.](#), [Deshpande, A.](#)

Cardiovascular and Hematological Agents in Medicinal Chemistry, 2024

Review

[Recent advancements in biomarkers, therapeutics, and associated challenges in acute myeloid leukemia](#)

[Prajapati, S.K.](#), [Kumari, N.](#), [Bhowmik, D.](#), [Gupta, R.](#)

Annals of Hematology, 2024

Article • *Open access*

[Validation of UV spectrophotometric method for estimation of bedaquiline fumarate in bulk and pharmaceutical formulations](#)

[Patel, P.](#), [Parmar, R.](#)

Journal of Research in Pharmacy, 2024

Conference Paper

[Detecting Cancer through Analysis of Histopathological Images](#)

[Nikalje, A.V.](#), [Tajane, S.T.](#), [Kocharekar, A.R.](#), ...[Lakshmaiya, N.](#), [Patil, H.](#)

Proceedings - 2024 International Conference on Expert Clouds and Applications, ICOECA 2024, 2024

Review

[Oropharyngeal cancer and tobacco use: Risk factors and prevention](#)

[Patel, D.J.](#), [Shah, U.N.](#), [Mazumder, A.](#)

Onkologia i Radioterapia, 2024

Article

[HER2-positive gastric cancer: Consequences for targeted therapy](#)

[Salahuddin, u.](#), [Ganapathy, K.](#), [Kumar, K.](#)

Onkologia i Radioterapia, 2024

Conference Paper

[A Strategic Layout Design for Creating Prediction System for Heart Related Disease Using Hms](#)

[Kumar, V.S.P.](#), [Ramakrishnan, R.](#), [Saini, D.](#), [Verma, M.A.](#), [Rastogi, professor, S.](#)

2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024, 2024

Conference Paper

[The Development of Inference in Healthcare System using FEFL System](#)

[Kumar, V.S.P.](#), [Saini, D.](#), [Rastogi, S.](#), ...[Verma, A.](#), [Meenakshi, R.](#)

2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024, 2024

Review

[A Comprehensive Review on the Significance of Cysteine in Various Metabolic Disorders; Particularly CVD, Diabetes, Renal Dysfunction, and Ischemic Stroke](#)

[Aziz, N.](#), [Pranay, W.](#), [Sinha, R.](#), ...[Sharma, M.C.](#), [Kumar, P.](#)

Current Protein and Peptide Science, 2024

Conference Paper

[A Way to Design Data Transfer System Modelling to Secure and Transmit Data with the Help of Fuzzy Based Logic in Healthcare System](#)

[Ramakrishnan, R.](#), [Kumar, V.S.P.](#), [Pillai, B.G.](#), ...[Rastogi, S.](#), [Meenakshi, R.](#)

2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024, 2024

Conference Paper

[Development of Medical IOT System for the Prediction of Heart Disease](#)

[Kumar, V.S.P.](#), [Saini, D.](#), [Rastogi, S.](#), ...[Verma, A.](#), [Meenakshi, R.](#)

2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024, 2024

Conference Paper

[Fog Computing Integrated with and Blockchain Technology for Accurate Disease Prediction](#)

[Ramakrishnan, R.](#), [Verma, M.A.](#), [Kumar, V.S.P.](#), ...[Pillai, B.G.](#), [Meenakshi, R.](#)

2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024, 2024

Conference Paper

[An Intensive Review Analysis about Fuzzy Logic usage in Smart Medical Care System](#)

[Kumar, V.S.P.](#), [Saini, D.](#), [Rastogi, S.](#), ...[Verma, A.](#), [Meenakshi, R.](#)

2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024, 2024

Article

[Discovery of potential 1,2,4-triazole derivatives as aromatase inhibitors for breast cancer: pharmacophore modelling, virtual screening, docking, ADMET and MD simulation](#)

[Pathak, C.](#), [Matore, B.W.](#), [Singh, J.](#), [Roy, P.P.](#), [Kabra, U.D.](#)

Molecular Simulation, 2024

Article

[EGFR mutations in lung cancer: Implications for personalized therapy](#)

[Parveen, S.](#), [Kumar, K.](#), [Mathur, P.](#)

Onkologia i Radioterapia, 2024

Article

[Pulmonary function testing in lung cancer: Analysis and implications](#)

[Mazumder, R.](#), [Sandeep Kumar, C.](#), [Upadhye, V.J.](#)

Onkologia i Radioterapia, 2024

Article

[An investigation into the anticancer properties of black tea using in vivo model](#)

[Asha, K.S.](#), [Krishna, D.](#), [Patel, G.M.](#)

Onkologia i Radioterapia, 2024

Article

[Risk factors and treatment for Non-Melanoma Skin Cancer \(N-MSC\) in solid organ transplant recipients](#)

[Patel, G.M.](#), [Parveen, S.](#), [Mazumder, A.](#)

Onkologia i Radioterapia, 2024

Review

[Trends of Nanobiosensors in Modern Agriculture Systems](#)

[Kumar, P.](#), [Chugh, P.](#), [Ali, S.S.](#), ...[Bhatia, A.](#), [Kumar, R.](#)

Applied Biochemistry and Biotechnology, 2024

Article

[A comprehensive update on cannabidiol, its formulations and drug delivery systems](#)

[Banerjee, S.](#), [Anand, V.A.](#), [Banerjee, D.](#), ...[Pooja, D.](#), [Singh, A.](#)

Phytochemistry Reviews, 2024

Article • *Open access*

[Unearthing phytochemicals as natural inhibitors for pantothenate synthetase in Mycobacterium tuberculosis: A computational approach](#)

[Chouhan, M.](#), [Tiwari, P.K.](#), [Mishra, R.](#), ...[Verma, D.](#), [Kumar, S.](#)

Frontiers in Pharmacology, 2024

Article • *Open access*

[Factors Associated with Hospital Length of Stay among VTE Cases: Insights from the i-RegVed Registry](#)

[Aggarwal, S.](#), [Rulu, P.](#), [Tabassum, H.](#)

Journal of Primary Care and Community Health, 2024

Article

[Discerning computational, in vitro and in vivo investigations of self-assembling empagliflozin polymeric micelles in type-2 diabetes](#)

[Wagh, P.](#), [Savaliya, S.](#), [Joshi, B.P.](#), ...[Lalan, M.](#), [Shah, P.J.](#)

Drug Delivery and Translational Research, 2024

Conference Paper

[Uncovering Risk Factors for Diabetes Mellitus Using Data Mining Classification Techniques](#)

[Ramakrishnan, R.](#), [Kumar, V.S.P.](#), [Pillai, B.G.](#), ...[Kumbhojkar, N.](#), [Rabadiya, D.](#)

2nd IEEE International Conference on Data Science and Information System, ICDSIS 2024, 2024

Article

[Effect of lay counselling on mental health and TB treatment outcomes: an experience from Gujarat state, India](#)

[Bhatt, D.](#), [Pandya, A.K.](#), [Salaliya, V.](#), ...[Joshi, C.S.](#), [Pandey, V.](#)

Mental Health and Social Inclusion, 2024

Review

[Antimicrobial Stewardship: Smart Approach to Combat Antibiotic Resistance](#)

[Dikkarwar, M.S.](#), [Chand, S.](#), [Varghese, T.P.](#), ...[Vaghasiya, J.D.](#), [Singh, R.K.](#)

Anti-Infective Agents, 2024

Book Chapter

[Rearranged during transfection \(RET\) inhibitors](#)

[Shrivastava, V.](#), [Gurjar, V.K.](#), [Jain, S.](#), [Vaidya, A.](#), [Sharma, A.](#)

Current Molecular Targets of Heterocyclic Compounds for Cancer Therapy, 2024

Book Chapter

[Technology for early detection and diagnosis of mental disorders: An evidence synthesis](#)

[Pandya, A.K.](#), [Lodha, P.](#), [Gupta, A.](#)

Digital Healthcare in Asia and Gulf Region for Healthy Aging and More Inclusive Societies: Shaping Digital Future, 2024

Book Chapter

[Proviral integration site for Moloney murine leukemia virus-1 \(PIM-1\) kinase inhibitors](#)

[Gurjar, V.K.](#), [Shrivastava, V.](#), [Jain, S.](#), [Chawla, R.](#), [Vaidya, A.](#)

Current Molecular Targets of Heterocyclic Compounds for Cancer Therapy, 2024

Review • Open access

[Enhancing efficacy of microbial bioremediation by intervention of nanotechnology and metabolic engineering: A review](#)

[Mehta, S.](#), [Prasad, M.E.](#), [Upadhye, V.J.](#), [Goswami, S.](#), [Singh, P.](#)

Journal of Applied and Natural Science, 2024

Book Chapter

[Nanoparticles: Applications in Pharmaceutical Sciences, Cancer Diagnosis, and Therapeutics](#)

[Pithadia, A.B.](#), [Patel, B.](#), [Jogdand, A.](#), [Upadhye, V.J.](#)

Bionanotechnology for Advanced Applications, 2024

Article

[Empowering Health and Well-being: IoT-Driven Vital Signs Monitoring in Educational Institutions and Elderly Homes Using Machine Learning](#)

[Duodu, N.Y.](#), [Patel, W.D.](#), [Koyuncu, H.](#), [Nartey, F.](#), [Torgby, W.K.](#)

International Journal of Electrical and Electronics Research, 2024

Article • Open access

[Structure-based virtual screening methods for the identification of novel phytochemical inhibitors targeting furin protease for the management of COVID-19](#)

[Kumar Tiwari, P.](#), [Chouhan, M.](#), [Mishra, R.](#), ...[Kumar, M.U.](#), [Kumar, S.](#)

Frontiers in Cellular and Infection Microbiology, 2024

Article • Open access

[Combined Biomarkers for Early Diagnosis of Hepatocellular Carcinoma](#)

[Tufael,](#) [Rahman, M.M.](#), [Upadhye, V.J.](#), [Hossain, M.F.](#), [Uddin, N.](#)

Journal of Angiotherapy, 2024

Article • Open access

[Antioxidant, Antimicrobial, Antidiabetic, Antiglycation, and Biocompatibility Potential of Aqueous Zingiber officinale Rhizome \(AZOME\) Extract](#)

[Mujahid, M.H.](#), [Upadhyay, T.K.](#), [Upadhye, V.J.](#), [Mathad, P.](#)

Journal of Angiotherapy, 2024

Conference Paper

[Earlier Prognosis of Malignant Tumor in Cerebral Magnetic Resonance Images using Machine Learning](#)

[Mahesh Prasanna, K.](#), [Lohumi, Y.](#), [Renukalatha, S.](#), ...[Maranan, R.](#), [Vekariya, V.M.](#)

7th International Conference on Inventive Computation Technologies, ICICT 2024, 2024

Book Chapter

[GIS Mapping and Groundwater Quality Assessment Near Solid Waste Dump Site](#)

[Nihalani, S.A.](#), [Meeruty, A.R.](#), [Behede, S.N.](#)

Advances in Geographic Information Science, 2024

Article • *Open access*

[Green synthesis of copper oxide nanoparticles using genus Inula and evaluation of biological therapeutics and environmental applications](#)

[Alangari, A.](#), [Aboul-Soud, M.A.](#), [Alqahtani, M.S.](#), ...[Jaiswal, H.](#), [Verma, M.](#)

Nanotechnology Reviews, 2024

Article

[DECIPHERING THE INTRICATE NETWORK OF POLY CYSTIC OVARIAN SYNDROME: A THOROUGH EXAMINATION OF HORMONAL AND DEMOGRAPHIC INFLUENCES](#)

[Varma, J.](#), [Pandey, A.](#), [Kulshrestha, A.K.](#), [Upadhye, V.J.](#)

Suranaree Journal of Science and Technology, 2024

Article • *Open access*

[Diagnostic Efficacy of Tumor Biomarkers AFP, CA19-9, and CEA in Hepatocellular Carcinoma Patients](#)

[Tufael,](#) [Kar, A.](#), [Rashid, M.H.O.](#), ...[Ullah, M.S.](#), [Rahman, M.M.](#)

Journal of Angiotherapy, 2024

Article • *Open access*

[A Systematic Kidney Tumour Segmentation and Classification Framework Using Adaptive and Attentive-Based Deep Learning Networks With Improved Crayfish Optimization Algorithm](#)

[Patel, V.V.](#), [Yadav, A.R.](#), [Jain, P.](#), [Cenkeramaddi, L.R.](#)

IEEE Access, 2024

Book Chapter

[Advanced microfluidic systems for the colorectal cancer diagnosis and its clinical application](#)

[Prajapati, V.D.](#), [Shrivastav, P.](#), [Roy, S.D.](#), [Singh, S.](#)

Colorectal Cancer: Disease and Advanced Drug Delivery Strategies, 2024

Review

[Investigating the Potential Therapeutic Mechanisms of Puerarin in Neurological Diseases](#)

[Chauhan, P.](#), [Wadhwa, K.](#), [Mishra, R.](#), ...[Singh, G.](#), [Jha, N.K.](#)

Molecular Neurobiology, 2024

Article • *Open access*

[Accuracy of Transthoracic Echocardiography in Detecting Persistent Left Superior Vena Cava against the Cardiac Computed Tomography Scan](#)

[Rakholia, D.](#), [Kanpariya, A.](#), [Ganjiwale, J.D.](#), [Patel, V.](#), [Trivedi, B.Y.](#)

Journal of the Indian Academy of Echocardiography and Cardiovascular Imaging, 2024

Book Chapter

[**A Comprehensive Mathematical Framework for Diabetes and Its Complications in Crisp and Fuzzy Settings**](#)

[Pandit, P.K.](#), [Singh, P.](#), [Panda, S.](#)

Advances on Mathematical Modeling and Optimization with Its Applications, 2024

Review

[**Quantum Dot-based Bio-conjugates as an Emerging Bioimaging Tool for Cancer Theranostic-A Review**](#)

[Priya, L.](#), [Mehta, S.](#), [Gevariya, D.](#), ...[Dharamsi, A.T.](#), [Patel, A.S.](#)

Current Drug Targets, 2024

Article • *Open access*

[**A study to investigate the anticancer potential of carvacrol via targeting Notch signaling in breast cancer**](#)

[Pandey, P.](#), [Ramniwas, S.](#), [Verma, M.](#), ...[Khan, F.](#), [Shah, M.A.](#)

Open Chemistry, 2024

Conference Paper

[**Developing Deep Learning Model for Abnormal Heartbeat Detection in Electrocardiography Signals**](#)

[Ramalakshmi, V.](#), [Garg, N.](#), [Soudagar, M.E.M.](#), ...[Patil, H.](#), [Arun Shalin, L.V.](#)

2nd International Conference on Intelligent Data Communication Technologies and Internet of Things, IDCIoT 2024, 2024

Conference Paper

[**Hybrid Deep Learning Approaches for Data Security in Cloud Environments**](#)

[Rekha, S.](#), [Sharma, M.](#), [Kannan, S.](#), ...[Patil, H.](#), [Kumar, S.R.](#)

2nd International Conference on Intelligent Data Communication Technologies and Internet of Things, IDCIoT 2024, 2024

Article

[**Repurposing of SARS-CoV-2 compounds against Marburg Virus using MD simulation, mm/GBSA, PCA analysis, and free energy landscape**](#)

[Kumar, S.](#), [Dubey, R.](#), [Mishra, R.](#), ...[Tsai, L.](#), [Dubey, N.K.](#)

Journal of Biomolecular Structure and Dynamics, 2024

Article • *Open access*

[**Optimizing Heart Attack Prediction Through OHE2LM: A Hybrid Modelling Strategy**](#)

[Mall, P.K.](#), [Srivastava, S.](#), [Patel, M.M.](#), ...[Singh, P.K.](#), [Singh, D.](#)

Journal of Electrical Systems, 2024

Article

[Exploring the Potential of Plumbagin as an Activator of Caspase 3 for Non-small Cell Lung Carcinoma: A Comprehensive in silico Study](#)

[Saeed, M.A., Tasleem, M., Siddiqui, S., ...Abdalla, R.A.H., Shoaib, A.](#)
Indian Journal of Pharmaceutical Education and Research, 2024

Article • *Open access*

[Green Synthesis and Characterization of Silver Nanoparticles from Nerium indicum and Investigation of Antioxidant and Anti-Cancerous Potential against Cervical Cancer Cell Line \(HeLa\)](#)

[Kini, R., Trivedi, R., Mujahid, M.H., ...Siddiqui, S., Upadhyay, T.K.](#)
Indian Journal of Pharmaceutical Education and Research, 2024

Article

[Gelatin Nanoparticles as Carrier for Effective Antituberculosis Drug Delivery in Combination Therapy](#)

[Desai, S.K., Bera, S., Mondal, D.](#)
BioNanoScience, 2024

Article • *Open access*

[In-silico screening of phytochemicals as an approach against poly-ADP ribose polymerase-1 in ovarian cancer](#)

[Patel, P.H., Parmar, I., Jha, A., Shastri, S.](#)
Journal of Applied Pharmaceutical Science, 2024

Editorial • *Open access*

[Editorial: Nutraceuticals: transforming conventional foods into dietary medicine for the clinical management of neurodegenerative diseases and cancers](#)

[Ashraf, S.A., Patel, M.B., Adnan, M.](#)
Frontiers in Nutrition, 2024

Article

[A Comprehensive Examination of Thymic Acid's Advantageous Impacts on Fish Nutrient Absorption and Growth](#)

[Singh, R.K., Raghavendra, R., Patel, D.J.](#)
Revista Electronica de Veterinaria, 2024

Article

[“Special Newborn Care Unit” Quality Care Assessment Using SNCU Quality of Care Indices \(SQCI\) at Aspirational Districts, Odisha, 2020-2022](#)

[Sahu, D., Sahu, S., Godara, N.R., Subbarayalu, Y.](#)
Journal of Neonatology, 2024

Short Survey

[The Natural Sweetener Stevia: An Updated Review on its Phytochemistry, Health Benefits, and Anti-diabetic Study](#)

[Patel, S., Navale, A.M.](#)

Current Diabetes Reviews, 2024

Article • *Open access*

[Significance of Serum Biomarkers in Early Diagnosis of Hepatocellular Carcinoma in Patient with Fisher Groups](#)

[Tufael, Kar, A., Upadhye, V.J., ...Khan, M.S.S., Sunny, A.R.](#)

Journal of Angiotherapy, 2024

Review

[Discovery of Tropomyosin Receptor Kinase Inhibitors as New Generation Anticancer Agents: A Review](#)

[Panchal, I.I., Prasad Tripathi, R.K., Parmar, K., Ramyadav, M.](#)

Current Topics in Medicinal Chemistry, 2024

Review • *Open access*

[Anticancer Drug Discovery Based on Natural Products: From Computational Approaches to Clinical Studies](#)

[Chunarkar-Patil, P., Kaleem, M., Mishra, R., ...Singh, H.N., Kumar, S.](#)

Biomedicines, 2024

Article • *Open access*

[Hypothesis Test to Compare Two Paired Binomial Proportions: Assessment of 24 Methods](#)

[Roldán-Nofuentes, J.A., Sheth, T.S., Vera-Vera, J.F.](#)

Mathematics, 2024

Article

[Cultivation, Phytochemical screening and Antimicrobial analysis of caterpillar mushroom *Cordyceps militaris* and fruiting body](#)

[Aanchal, G., Sharma, C.K., Monika, S.](#)

Research Journal of Biotechnology, 2024

Article • *Open access*

[Inhalation Therapy with *Clerodendrum serratum* Linn. Extract: An Experimental Study on Ovalbumin-induced Asthma in Rats](#)

[Patel, L., Shah, D.A., Chandpa, H.H., Khristi, A., Bhavsar, P.](#)

Journal of Natural Remedies, 2024

Review • *Open access*

[Ayurvedic pandemic perspective: A narrative review](#)

[Krishnan, A.](#), [Jayadevan, C.V.](#), [Shahnaz Fathima, A.](#), ...[Gadgil, N.D.](#), [Kulkarni, A.A.](#)

Multidisciplinary Reviews, 2024

Book Chapter

[Classification of Medicinal Plants Showing Anti-Viral Activity, Classified by Family and Viral Infection Types](#)

[Gurjar, V.K.](#), [Pal, D.K.](#)

Reference Series in Phytochemistry, 2024

Review • *Open access*

[Investigating the ecological implications of nanomaterials: Unveiling plants' notable responses to nano-pollution](#)

[Ekambaram, G.](#), [Prakash, P.](#), [Saravanan, P.](#), ...[Viswanathan, D.](#), [Govindasamy, R.](#)

Plant Physiology and Biochemistry, 2024

Short Survey

[Salivary Protein Biomarkers for Diagnosis of Oral Squamous Cell Carcinoma](#)

[Navale, A.M.](#), [Deshpande, A.](#), [Mistry, B.](#), [Chauhan, P.](#), [Bhagat, C.](#)

Current Cancer Drug Targets, 2024

Article

[Design, synthesis, biological evaluation and molecular dynamics of some novel 3-phenylpyrazolo\[1,5-a\]pyrimidine-2,7\(1H,4H\)-dione based compounds as anti-tubercular agents](#)

[Chauhan, M.](#), [Prajapati, C.](#), [Mirza, S.](#), ...[Yadav, M.R.](#), [Murumkar, P.R.](#)

Journal of Biomolecular Structure and Dynamics, 2024

Article

[Phytocompound identification of aqueous Zingiber officinale rhizome \(ZOME\) extract reveals antiproliferative and reactive oxygen species mediated apoptotic induction within cervical cancer cells: an in vitro and in silico approach](#)

[Hasan Mujahid, M.](#), [Upadhyay, T.K.](#), [Upadhye, V.J.](#), [Sharangi, A.B.](#), [Saeed, M.A.](#)

Journal of Biomolecular Structure and Dynamics, 2024

Review • *Open access*

[Circumventing challenges in mitochondrial targeting for cancer treatment: leveraging nanoplatforms for effective solutions](#)

[Pandya, S.R.](#), [Singh, H.](#), [Desimone, M.F.](#), ...[George, N.](#), [Jasani, S.](#)

Materials Advances, 2023

Article • *Open access*

[Network Pharmacology Combined with Molecular Docking, Molecular Dynamics, and In Vitro Experimental Validation Reveals the Therapeutic Potential of Thymus vulgaris L. Essential Oil \(Thyme Oil\) against Human Breast Cancer](#)

[Alotaibi, N.M.](#), [Alotaibi, M.O.](#), [Alshammari, N.S.](#), [Adnan, M.](#), [Patel, M.B.](#)

ACS Omega, 2023

Conference Paper

[Design and Implementation of Covid-19 Transmission Risk Reducing System for Superstore](#)

[Jadav, K.R.](#), [Rahul, P.](#), [Vikash, B.](#), [Aslam, D.](#), [Mitul, P.](#)

AIP Conference Proceedings, 2023

Conference Paper

[A Melanoma Skin Cancer Detection and Analysis Using Dermoscopy Image Processing](#)

[Tomar, K.](#), [Panwar, U.](#), [Gupta, R.](#)

AIP Conference Proceedings, 2023

Conference Paper • *Open access*

[Effect of Hydrogen Induction and Neem Oil Biodiesel blending on Performance of 4 Cylinder 4 Stroke Indirect Injection CI Engine](#)

[Parmar, K.](#), [Nityam, O.](#)

AIP Conference Proceedings, 2023

Conference Paper

[Utilizing High Computational ML model for Lung Cancer Prediction with Accurate Data Analysis](#)

[Paul, V.](#), [Ibrahim, J.A.](#), [Sharma, A.](#)

AIP Conference Proceedings, 2023

Conference Paper

[Collision Avoidance for a Multi Copter using UltrasonicSensor Embedded with Arduino Uno](#)

[Vishwath, N.C.](#), [Prajapati, A.](#), [Mourya, T.](#), [Gangadharani, L.](#)

AIP Conference Proceedings, 2023

Conference Paper

[Intelligent Airflow of Nebulizer using IoT-Based circuit Integration for Smart Healthcare Management](#)

[Perumal, B.](#), [Muneeswaran, V.](#), [Manikandan, P.](#), [Dargar, S.K.](#), [Mishra, R.](#)

AIP Conference Proceedings, 2023

Conference Paper

[Diabetes Prediction using Gradient Boosting Classifier](#)

[Mehta, R.A.](#), [Vala, B.](#), [Patel, A.](#)

AIP Conference Proceedings, 2023

Article

[Novel quinolinepiperazinyl-aryltetrazoles targeting the blood stage of Plasmodium falciparum](#)

[Barmade, M.A.](#), [Agrawal, P.](#), [Rajput, S.R.](#), ...[Sahal, D.](#), [Yadav, M.R.](#)

RSC Medicinal Chemistry, 2023

Book Chapter

[Cinnamon oil: An insight into pharmacological and pharmaceutical potential](#)

[Patel, M.G.](#), [Prajapati, B.G.](#)

Pharmacological Aspects of Essential Oils: Current and Future Trends, 2023

Review • *Open access*

[Phytosomes: A promising delivery system for anticancer agents by using phytochemicals in cancer therapy](#)

[Dave, P.](#), [Jani, R.K.](#), [Chakraborty, G.](#), ...[Saeed, M.A.](#), [Upadhyay, T.K.](#)

Cellular and Molecular Biology, 2023

Article

[An updated meta-analysis comparing complications, functional, clinically relevant and radiological outcomes of accelerometer based portable navigation and conventional technique of total knee arthroplasty](#)

[Vishwanathan, K.](#), [Kumar Jain, V.K.](#), [Patralekh, M.K.](#), [Viswanathan, V.K.](#)

Journal of Orthopaedics, 2023

Article • *Open access*

[Recent advancements in photodynamic therapy and cancer biosensor using natural products](#)

[Sharma, A.](#), [Sengupta, S.](#), [Kumar, L.S.](#), ...[Kumar, D.](#), [Singh, J.](#)

Talanta Open, 2023

Article

[Multi photon micro material analysis based on Raman spectroscopy biosensor for cancer detection using biomarker with deep learning techniques](#)

[Rajiv, A.](#), [Kumari, A.](#), [Tripathi, A.D.](#), ...[Gupta, R.](#), [Singh, D.N.](#)

Optical and Quantum Electronics, 2023

Article

[Development of stability indicating liquid chromatographic method for estimation of novel anti-diabetic drug Evogliptin](#)

[Gajjar, D.](#), [Shah, D.A.](#)

Separation Science Plus, 2023

Article • *Open access*

[Machine learning assisted hepta band THz metamaterial absorber for biomedical applications](#)

[Jain, P.](#), [Chhabra, H.](#), [Chauhan, U.](#), ...[Islam, M.S.](#), [Islam, M.T.](#)

Scientific Reports, 2023

Book Chapter

[Nanoformulated natural antioxidants and their cardioprotective effects](#)

[Rathod, S.](#), [Baldha, R.](#), [Mohan Maruga Raja, M.K.](#)

Natural Products: An Answer to Cardiovascular Complications, 2023

Book Chapter

[Nano phytomedicine therapies for cardiovascular diseases](#)

[Polshettiwar, S.A.](#), [Khuspe, P.R.](#), [Jagdale, S.C.](#), ...[Deshmukh, P.](#), [Ghaisas, G.](#)

Natural Products: An Answer to Cardiovascular Complications, 2023

Article

[Microbial approaches for pharmaceutical wastewater recycling and management for sustainable development: A multicomponent approach](#)

[Chauhan, B.](#), [Dodamani, S.S.](#), [Malik, S.](#), ...[Hague, S.](#), [Sayyed, R.Z.](#)

Environmental Research, 2023

Book Chapter

[High throughput screening techniques in anticancer drug discovery and development from botanicals](#)

[Patel, M.G.](#), [Patel, V.](#)

Alternative Remedies and Natural Products for Cancer Therapy: An Integrative Approach, 2023

Article

[DEVELOPMENT OF ERLOTINIB ENCAPSULATED SELF-ASSEMBLED MIXED MICELLES: OPTIMIZATION AND IN VITRO EVALUATION](#)

[Patel, S.](#), [Patel, A.S.](#)

Indian Drugs, 2023

Article

[RELEVANCE FOR DIAGNOSIS, THERAPY, AND STRATEGIES OF GUT MICROBES DYSBIOSIS IN CHRONIC KIDNEY DISEASE: A SYSTEMATIC REVIEW](#)

[Singh, A.](#), [Sharma, P.K.](#), [Singh, A.K.](#), ...[Patel, G.M.](#), [Ganapathy, K.](#)
Georgian Medical News, 2023

Article

[**IMPLICATION OF THREAT FACTORS AND PREEXISTING DISORDERS IN DIFFERENT ISCHEMIC STROKE SUBGROUPS IN ELDERLY PEOPLE: A SYSTEMATIC STUDY**](#)

[Singh, B.](#), [Mishra, S.](#), [Kumar, R.](#), ...[Malathi, H.](#), [Kumar, B.](#)
Georgian Medical News, 2023

Article • *Open access*

[**Pistia stratiotes has renoprotective potentials in ischemia reperfusion injury in normal and diabetic rats**](#)

[Bhavsar, V.P.](#), [Patel, A.D.](#), [Vaghasiya, J.D.](#), [Padhiyar, S.P.](#), [Patel, T.B.](#)
Indian Journal of Pharmacology, 2023

Article • *Open access*

[**Network pharmacology-based anti-colorectal cancer activity of piperlonguminine in the ethanolic root extract of Piper longum L**](#)

[Singh, I.](#), [Das, R.](#), [Kumar, A.A.](#)
Medical Oncology, 2023

Erratum • *Open access*

[**Corrigendum to “New insights about the PDGF/PDGFR signaling pathway as a promising target to develop cancer therapeutic strategies” \[Biomed. Pharmacother. 161 \(2023\) 114491\] \(Biomedicine & Pharmacotherapy \(2023\) 161, \(S0753332223002792\), \(10.1016/j.biopha.2023.114491\)\)**](#)

[Pandey, P.](#), [Khan, F.](#), [Upadhyay, T.K.](#), ...[Park, M.](#), [Kim, B.](#)
Biomedicine and Pharmacotherapy, 2023

Article • *Open access*

[**Development and application of WHONET software in hospital antibiogram**](#)

[Dikkatwar, M.S.](#), [Vaghasiya, J.D.](#)
Clinical Epidemiology and Global Health, 2023

Article

[**Nanofabrication in polymeric materials with Raman scattering techniques based on noninvasive imaging for tumor precursor lesions**](#)

[Singh, V.K.](#), [Nagappan, B.](#), [Kashyap, S.](#), ...[Balu, V.](#), [Rajput, M.](#)
Optical and Quantum Electronics, 2023

Article

[**Nanostructure analysis in polymeric materials with ion beam based Raman spectroscopy for retinoblastoma tumor imaging using ensemble machine learning technique**](#)

[Sur, S.](#), [Sudhakara Reddy, M.](#), [Paikaray, D.](#), ...[Sharma, S.](#), [Awasthi, A.](#)
Optical and Quantum Electronics, 2023

Review • *Open access*

[Premedication of Ranitidine and the Action of Hypersensitivity Reactions to Paclitaxel](#)

[Brahmbhatt, H.K.](#), [Patel, N.S.](#), [Patel, T.K.](#), [Sarkar, T.](#)
International Journal of Drug Delivery Technology, 2023

Article

[Exploring medication adherence and its determinants among hypertensive, diabetic, and hyperlipidemic patients in the OPD of a tertiary care hospital](#)

[Gandhi, K.](#), [Rathod, T.](#), [Rangwala, J.](#), ...[Jamsa, A.](#), [Chakraborty, G.](#)
Egyptian Pharmaceutical Journal, 2023

Review • *Open access*

[Insight into the environmental fate, hazard, detection, and sustainable degradation technologies of chlorpyrifos—an organophosphorus pesticide](#)

[Kumar, P.S.](#), [Arshad, M.](#), [Gacem, A.](#), ...[Bhutto, J.K.](#), [Yadav, K.K.](#)
Environmental Science and Pollution Research, 2023

Review • *Open access*

[A critical review on sustainable hazardous waste management strategies: a step towards a circular economy](#)

[Kumar, A.](#), [Thakur, A.K.](#), [Kumar Gaurav, G.K.](#), ...[Pant, K.K.](#), [Kumar, R.](#)
Environmental Science and Pollution Research, 2023

Review

[Exposure to pesticide residues in honey and its potential cancer risk assessment](#)

[Ashraf, S.A.](#), [Mahmood, D.](#), [Elkhalifa, A.E.O.](#), ...[Kieliszek, M.](#), [Adnan, M.](#)
Food and Chemical Toxicology, 2023

Article

[Carbon pattern in polymeric nanofabrication for breast tumor molecular cell analysis using hybrid machine learning technique](#)

[Kiran, K.S.D.](#), [Kumar, G.](#), [Bhagat, A.K.](#), ...[Rajput, M.](#), [Sharma, M.](#)
Optical and Quantum Electronics, 2023

Article

[Nanoparticle analysis based on optical ion beam in nuclear imaging by deep learning architectures](#)

[Manjula, M.](#), [Kumar, N.](#), [Vekariya, V.M.](#), ...[Gupta, S.](#), [Bhatt, R.](#)
Optical and Quantum Electronics, 2023

Article

[Antidiabetic and Cardioprotective effect of Terminalia phillyreifolia \(Van Heurck and Mull. Arg.\) Gere and Boatwr. bark extract in Experimental animals](#)

[Navale, A.M., Patel, D.J., Paranjape, A.N.](#)

Research Journal of Pharmacy and Technology, 2023

Article

[NEUROPLASTICITY AND BRAIN STIMULATION: DEVELOPING INTERVENTIONS TO PROMOTE RECOVERY FROM STROKE AND TRAUMATIC BRAIN INJURY](#)

[Malathi, H., Dhananjoy, L., Tarekar, A.N., ...Mewara, D., Patel, D.J.](#)

Georgian Medical News, 2023

Review • *Open access*

[A REVIEW ON OBESITY AND ITS REGULATORY HORMONES](#)

[Jain, S., Mandal, S.D.](#)

Chinese Journal of Epidemiology, 2023

Article • *Open access*

[Saponin-Derived Silver Nanoparticles from Phoenix dactylifera \(Ajwa Dates\) Exhibit Broad-Spectrum Bioactivities Combating Bacterial Infections](#)

[Adnan, M., Siddiqui, A.J., Ashraf, S.A., ...Danciu, C.T., Patel, M.B.](#)

Antibiotics, 2023

Review • *Open access*

[Mitochondrial Dynamics and Insulin Secretion](#)

[Kabra, U.D., Jastroch, M.](#)

International Journal of Molecular Sciences, 2023

Article • *Open access*

[Comparative effect of composite management of type II diabetes mellitus with induced emesis and Varadi Ghanavati: A pilot clinical study](#)

[Deshpande, S.V., Deshpande, V.S., Kohli, K.R., Tamoli, S.M., Sakapal, S.S.](#)

Journal of Ayurveda and Integrative Medicine, 2023

Article • *Open access*

[Prevalence, years lived with disability, and trends in anaemia burden by severity and cause, 1990–2021: findings from the Global Burden of Disease Study 2021](#)

[Gardner, W.M., Razo, C., McHugh, T.A., ...Adesina, M.A., Olufadewa, I.I.](#)

The Lancet Haematology, 2023

Article • *Open access*

[Analysis and interpretation of Malaria disease model in crisp and fuzzy environment](#)

[Singh, P.](#), [Gor, B.](#), [Gazi, K.H.](#), ...[Mahata, A.](#), [Mondal, S.P.](#)

Results in Control and Optimization, 2023

Article

[Synthesis, in vitro cytotoxic activity and molecular docking study of androstene and estrone derivatives](#)

[Mistry, S.](#), [Thakkar, M.](#), [Singh, A.K.](#), [Patel, D.](#)

Steroids, 2023

Article

[Geraniol protects hippocampal CA1 neurons and improves functional outcomes in global model of stroke in rats](#)

[Buch, P.R.](#), [Sharma, T.P.](#), [Airao, V.A.](#), ...[Jha, N.K.](#), [Parmar, S.K.](#)

Chemical Biology and Drug Design, 2023

Article

[Investigating role of plumbagin in preventing neurodegenerative diseases via inhibiting microtubule affinity regulating kinase 4](#)

[Adnan, M.](#), [DasGupta, D.](#), [Anwar, S.](#), ...[Snoussi, M.](#), [Hassan, M.I.](#)

Journal of Molecular Liquids, 2023

Article

[STUDIES ON CYTOTOXIC ACTIVITY OF CAMEL MILK WHEY PROTEIN AS A NUTRACEUTICAL AGAINST HeLa CELLS](#)

[Lal, M.](#), [Mahala, N.](#), [Mittal, A.](#), ...[Shrivastava, C.](#), [Dubey, U.S.](#)

Journal of Camel Practice and Research, 2023

Article • Open access

[GC-MS-based profiling and ameliorative potential of Carissa opaca Stapf ex Haines fruit against cardiac and testicular toxicity: An In vivo study](#)

[Alhassan, H.H.](#), [Al-Keridis, L.A.](#), [Ayub, H.](#), ...[Adnan, M.](#), [Sahreem, S.](#)

Heliyon, 2023

Article • Open access

[In Vitro Antiproliferative Apoptosis Induction and Cell Cycle Arrest Potential of Saudi Sidr Honey against Colorectal Cancer](#)

[Qanash, H.](#), [Bazaid, A.S.](#), [Binsaleh, N.K.](#), ...[Althomali, O.W.](#), [Bin Sheeha, B.H.](#)

Nutrients, 2023

Article

[Thin layer chromatography-densitometric method for quantification of apigenin, oleanolic acid, and \$\beta\$ -sitosterol in clerodendrum serratum \(Bharangi\) root extract](#)

[Patel, L.](#), [Shah, D.A.](#), [Bhavsar, P.](#), [Patel, Z.](#), [Shah, Z.](#)

Separation Science Plus, 2023

Review

[Leishmania species: A narrative review on surface proteins with structural aspects involved in host–pathogen interaction](#)

[Kaushal, R.S.](#), [Naik, N.](#), [Prajapati, M.](#), ...[Upadhyay, T.K.](#), [Saeed, M.A.](#)

Chemical Biology and Drug Design, 2023

Article • *Open access*

[IoT-Based Smart Mask Protection against the Waves of COVID-19](#)

[Goar, V.K.](#), [Sharma, A.](#), [Singh Yadav, N.S.](#), [Chowdhury, S.](#), [Hu, Y.](#)

Journal of Ambient Intelligence and Humanized Computing, 2023

Article • *Open access*

[Isolation, Characterization of Pyraclostrobin Derived from Soil Actinomycete Streptomyces sp. HSN-01 and Its Antimicrobial and Anticancer Activity](#)

[Math, H.H.](#), [Nayaka, S.](#), [Rudrappa, M.](#), ...[Perumal, K.](#), [Kantli, G.B.](#)

Antibiotics, 2023

Article

[CARDIAC REHABILITATION: IMPROVING OUTCOMES FOR PATIENTS WITH HEART DISEASE](#)

[Chandra, P.](#), [Vyas, N.L.](#), [Patel, G.M.](#), ...[Radhika,](#), [Kumar, V.H.K.](#)

Georgian Medical News, 2023

Article

[THE MICROBIOME AND METABOLIC DISORDERS: THE LINK BETWEEN THE GUT MICROBIOTA AND METABOLIC SYNDROME](#)

[Patel, D.J.](#), [Vikal, A.](#), [Kumar, V.H.K.](#), ...[Sharma, K.K.](#), [Asha, K.S.](#)

Georgian Medical News, 2023

Article

[LIVER FIBROSIS: PATHOPHYSIOLOGY, DIAGNOSIS, AND EMERGING THERAPEUTIC TARGETS FOR A COMMON COMPLICATION OF CHRONIC LIVER DISEASES](#)

[Jane, A.](#), [Vyas, M.R.](#), [Kumar, A.T.R.](#), ...[Giresha, A.S.](#), [Patel, D.J.](#)

Georgian Medical News, 2023

Article

[THE GUT-BRAIN AXIS: IMPLICATIONS FOR NEUROLOGICAL DISORDERS, MENTAL HEALTH, AND IMMUNE FUNCTION](#)

[Sahu, S.](#), [Ahmad Shah, S.](#), [Supriti,](#), ...[Patel, J.D.](#), [Yadav, A.](#)

Georgian Medical News, 2023

Review • *Open access*

[An Updated Review Summarizing the Anticancer Efficacy of Melittin from Bee Venom in Several Models of Human Cancers](#)

[Pandey, P.](#), [Khan, F.](#), [Khan, M.A.](#), [Kumar, R.](#), [Upadhyay, T.K.](#)

Nutrients, 2023

Review

[Therapeutic efficacy of caffeic acid phenethyl ester in cancer therapy: An updated review](#)

[Pandey, P.](#), [Khan, F.](#), [Upadhyay, T.K.](#), [Giri, P.P.](#)

Chemical Biology and Drug Design, 2023

Article • *Open access*

[Insight of smart biosensors for COVID-19: A review](#)

[Tomichan, R.](#), [Sharma, A.](#), [Akash, K.](#), ...[Pandey, S.](#), [Nagraik, R.](#)

Luminescence, 2023

Book Chapter

[A high-fat diet versus a balanced diet: A systematic comparison](#)

[Patel, M.G.](#), [Dharamsi, A.T.](#)

Everything You Need to Know About High-Fat Diets, 2023

Book Chapter

[The interaction of high-fat diets, microbiota and genes on body fat distribution](#)

[Shrivastava, V.](#), [Patel, B.](#)

Everything You Need to Know About High-Fat Diets, 2023

Conference Paper

[Review on breathing pattern analysis for COVID-19 detection & diagnosis](#)

[Parmar, N.D.](#), [Nayak, A.J.](#), [Panchal, B.Y.](#), ...[Shah, S.](#), [Patel, K.S.](#)

AIP Conference Proceedings, 2023

Review • *Open access*

[Anticancer Effects of Carvacrol in In Vitro and In Vivo Models: A Comprehensive Review](#)

[Khan, F.](#), [Pandey, P.](#), [Maqsood, R.](#), [Upadhyay, T.K.](#)

Biointerface Research in Applied Chemistry, 2023

Article

[THE ROLE OF IMMUNOTHERAPY IN CANCER TREATMENT: CHECKPOINT INHIBITORS, CAR-T CELLS, AND VACCINES](#)

[Arun, J.K.](#), [Singh, A.K.](#), [Es, S.](#), ...[Verma, Y.](#), [Sapkota, S.](#)

Georgian Medical News, 2023

Review

[Deciphering the modulatory role of apigenin targeting oncogenic pathways in human cancers](#)

[Pandey, P., Khan, F., Upadhyay, T.K.](#)

***Chemical Biology and Drug Design*, 2023**

Article

[Spectrophotometric Determination of Cisplatin Using Derivatizing Agent](#)

[Talele, D.R., Patel, D.H.](#)

***International Journal of Pharmaceutical Sciences and Nanotechnology*, 2023**

Review

[Early detection and Advanced Targeted Drug Therapies for HER2 positive breast cancer](#)

[Bishoyi, B., Jaiswal, H., Shah, Y., Dikkatwar, M.S., Radhika, B.](#)

***Research Journal of Pharmacy and Technology*, 2023**

Article • Open access

[Perception and Preparedness of Medical Students Towards the Health Care Needs of LGBTQIA+ Community: A Cross-Sectional Study in Vadodara, Western India](#)

[Kataria Lakhan, L.R.K., Kosambiya, R.J., Vankar, G.K., Balas Rohit, N., Vaghela Kritagnasinh, N.](#)

***National Journal of Community Medicine*, 2023**

Article • Open access

[Network pharmacology of apigeniflavan: a novel bioactive compound of Trema orientalis Linn. in the treatment of pancreatic cancer through bioinformatics approaches](#)

[Das, R., Agrawal, S., Kumar, P.S., ...Mishra, S.K., Tripathi, A.K.](#)

***3 Biotech*, 2023**

Article

[Network pharmacology-based anti-pancreatic cancer potential of kaempferol and catechin of Trema orientalis L. through computational approach](#)

[Agrawal, S., Das, R., Singh, A.K., ...Mishra, S.K., Tiwari, K.N.](#)

***Medical Oncology*, 2023**

Review • Open access

[New insights about the PDGF/PDGFR signaling pathway as a promising target to develop cancer therapeutic strategies](#)

[Pandey, P., Khan, F., Upadhyay, T.K., ...Park, M., Kim, B.](#)

***Biomedicine and Pharmacotherapy*, 2023**

Article • Open access

[Formulation and Evaluation of an Anti-inflammatory Topical Polyherbal Gel](#)

[Patel, J.](#), [Patel, N.A.](#), [Lal, T.](#)

Journal of Natural Remedies, 2023

Review • *Open access*

[Evolution of Natural Product Scaffolds as Potential Proteasome Inhibitors in Developing Cancer Therapeutics](#)

[Mir, R.H.](#), [Mir, P.A.](#), [Uppal, J.](#), ...[Adnan, M.](#), [Mohi-Ud-Din, R.](#)

Metabolites, 2023

Review • *Open access*

[Natural Sun-Screening Compounds and DNA-Repair Enzymes: Photoprotection and Photoaging](#)

[Gupta, A.R.](#), [Singh, A.P.](#), [Singh, V.K.](#), ...[Singh, S.C.](#), [Sinha, R.P.](#)

Catalysts, 2023

Article • *Open access*

[VLP-ELISA for the Detection of IgG Antibodies against Spike, Envelope, and Membrane Antigens of SARS-CoV-2 in Indian Population](#)

[Kumar, D.](#), [Roy, S.S.](#), [Rastogi, R.](#), ...[Arora, N.M.](#), [Kundu, P.K.](#)

Vaccines, 2023

Review • *Open access*

[Unraveling the therapeutic potential of natural products in the prevention and treatment of leukemia](#)

[Goel, H.C.](#), [Kumar, R.](#), [Tanwar, P.](#), ...[Kim, B.](#), [Saeed, M.A.](#)

Biomedicine and Pharmacotherapy, 2023

Article • *Open access*

[Biological Activity of Cyclic Peptide Extracted from *Sphaeranthus amaranthoides* Using De Novo Sequencing Strategy by Mass Spectrometry for Cancer](#)

[Swarnalatha, Y.](#), [Shanthirappan, S.](#), [Kannan, S.](#), ...[Srinivasan, G.P.](#), [Karunakaran, R.](#)

Biology, 2023

Article • *Open access*

[*Rotheca serrata* Flower Bud Extract Mediated Bio-Friendly Preparation of Silver Nanoparticles: Their Characterizations, Anticancer, and Apoptosis Inducing Ability against Pancreatic Ductal Adenocarcinoma Cell Line](#)

[Nagaraja, S.K.](#), [Nayaka, S.](#), [Kumar, R.S.](#), ...[Almansour, A.I.](#), [Perumal, K.](#)

Processes, 2023

Article • *Open access*

[Synergistic Antimicrobial Activity of Ceftriaxone and Polyalthia longifolia Methanol \(MEPL\) Leaf Extract against Methicillin-Resistant Staphylococcus aureus and Modulation of mecA Gene Presence](#)

[Ranjutha, V.](#), [Yeng, C.C.](#), [Al-Keridis, L.A.](#), ...[Gopinath, S.C.](#), [Sreenivasan, S.](#)
Antibiotics, 2023

Article • *Open access*

[Cytotoxicity Analysis for the Hydroxyl Functionalized MWCNT Reinforced PMMA Nanocomposites in Oral Squamous Carcinoma \(KB\) Cells](#)

[Patel, V.S.](#), [Joshi, U.A.](#), [Joshi, A.Y.](#), ...[Al-Keridis, L.A.](#), [Saeed, M.A.](#)
Polymers, 2023

Article • *Open access*

[Characteristics and Outcomes of COVID-19 during the Third Wave of COVID Pandemic: A Single-center Descriptive Study](#)

[Mitra, S.](#), [Muley, A.](#), [Bavishi, A.](#), [Patel, G.M.](#), [Bhattacharya, A.](#)
Journal of Association of Physicians of India, 2023

Article • *Open access*

[COVID-19 in a Pre-Omicron Era: A Cross-Sectional Immuno-Epidemical and Genomic Evaluation](#)

[Pagnossa, J.P.](#), [Rodrigues, S.D.O.](#), [Oliveira, G.F.D.](#), ...[Ogaly, H.A.](#), [Batiha, G.E.](#)
Vaccines, 2023

Article • *Open access*

[Bacteriocin-Nanoconjugates \(Bac10307-AgNPs\) Biosynthesized from Lactobacillus acidophilus-Derived Bacteriocins Exhibit Enhanced and Promising Biological Activities](#)

[Siddiqui, A.J.](#), [Patel, M.B.](#), [Adnan, M.](#), ...[Snoussi, M.](#), [Ouhtit, A.](#)
Pharmaceutics, 2023

Article • *Open access*

[Evaluation of Antidiabetic, Antioxidant and Anti-Hyperlipidemic Effects of Solanum indicum Fruit Extract in Streptozotocin-Induced Diabetic Rats](#)

[Gadewar, M.M.](#), [Prashanth, G.K.](#), [Mishra, P.C.](#), ...[Jha, N.K.](#), [Jha, S.K.](#)
Current Issues in Molecular Biology, 2023

Review • *Open access*

[Deciphering the Immunomodulatory Role of Cyclin-Dependent Kinase 4/6 Inhibitors in the Tumor Microenvironment](#)

[Pandey, P.](#), [Khan, F.](#), [Upadhyay, T.K.](#), [Sharangi, A.B.](#)
International Journal of Molecular Sciences, 2023

Article

[Ru-W modified graphitic carbon nitride by a monomer complexation synthesis approach from a tailored polyoxometalate: towards electrochemical detection of hydrogen peroxide released by cells](#)

[Shabana, N., Arijun, A.M., Rajendran, K., Pathan, S., Rasheed, P.A.](#)

Analytical Methods, 2023

Article • *Open access*

[Effects of supervised structured exercise program on postural control and gait in subjects with type-2 diabetes](#)

[Popaliya, A., Shah, C.](#)

Journal of Diabetology, 2023

Conference Paper • *Open access*

[Diabetes mellitus patients with increased death rates and clinical complications in patients with CoV-19 pneumonia: A systematic review](#)

[Ganapathy, K., Mishra, S., Kapoor, E., Patel, D.J.](#)

Multidisciplinary Reviews, 2023

Book Chapter

[A comprehensive review of Indian medicinal plants effective in diabetes management: Current status and future prospects](#)

[Pundarikakshudu, K., Shah, P.A., Patel, M.G.](#)

Antidiabetic Medicinal Plants: Applications and Opportunities, 2023

Article • *Open access*

[Empyema and haemothorax due to ruptured pulmonary hydatid cyst- A rare presentation](#)

[Tadvi, M., Marathe, A.P., Mehta, V.J.](#)

IP International Journal of Medical Microbiology and Tropical Diseases, 2023

Book Chapter

[An overview of some Indian vegetables, fruits, and spices effective in diabetes and metabolic disorders: Current status and future scenarios](#)

[Pundarikakshudu, K., Patel, M.G., Shah, P.A.](#)

Antidiabetic Medicinal Plants: Applications and Opportunities, 2023

Conference Paper

[Fetal Health Classification using AI from Cardiotocography Features](#)

[Jyostna, G., Goyal, H.R., Soudagar, M.E.M., ...Patil, H., Alaskar, K.M.](#)

3rd International Conference on Innovative Mechanisms for Industry Applications, ICIMIA 2023 - Proceedings, 2023

Conference Paper

[Exploring the Role of Deep Learning in ST Elevation Analysis for Heart Stroke Risk Prediction](#)

[Patel, S.M., Vekariya, D., Gandhi, J.](#)

3rd International Conference on Innovative Mechanisms for Industry Applications, ICIMIA 2023 - Proceedings, 2023

Conference Paper

[A Deep Learning Neural Network-based System for Food Recognition and Calorie Estimation](#)

[Yarde, P., Bordoloi, D., Chavan, R.M., ...Patil, H., Lakshmaiya, N.](#)

3rd International Conference on Innovative Mechanisms for Industry Applications, ICIMIA 2023 - Proceedings, 2023

Conference Paper

[AI-Powered Computer Vision for Early Skin Cancer Detection with IoT-Connected Dermoscopes](#)

[Ravindar, K., Boddepalli, E., Singla, A.K., ...Kalaivani, E., Alzubaidi, L.H.](#)

International Conference on Artificial Intelligence for Innovations in Healthcare Industries, ICAIHI 2023, 2023

Conference Paper

[Revolutionizing Cancer Diagnosis in IoMT with a Novel Lightweight Deep Learning Model for Histopathological Image Classification](#)

[Patel, W.D., Koyuncu, H., Ganatra, A.P.](#)

Proceedings of IEEE International Conference on Modelling, Simulation and Intelligent Computing, MoSICom 2023, 2023

Article • *Open access*

[Exosome-mediated mechanisms in lung cancer metastasis and advancements in medical submission: A comprehensive review](#)

[Patel, D.J., Asha, K.S., Singh, A.K., Reddy, E.V.](#)

Multidisciplinary Reviews, 2023

Article • *Open access*

[A systematic review of efficacy and safety for calcium channel blockers in the treatment of albuminuria in patients with diabetes and hypertension](#)

[Patel, D.J., Shah, U.N., Ganta, S.R., Aneesh John, T.](#)

Multidisciplinary Reviews, 2023

Conference Paper

[Lung Disease Classification Using Convolutional Neural Network \(CNNs\)](#)

[Jayanthi, J.](#), [Kumar, A.K.](#), [Phieri, D.](#), ...[Purohit, P.](#), [Metha, V.](#)

2023 2nd International Conference on Futuristic Technologies, INCOFT 2023, 2023

Conference Paper • *Open access*

[Opioid dependency and intervention: A critical examination of the neurobiological foundations](#)

[Nidode, P.](#), [Natarajan, C.](#), [Rajathi, G.](#), ...[Shinkre, R.](#), [Chouhan, D.S.](#)

Multidisciplinary Reviews, 2023

Conference Paper • *Open access*

[Assessing medication levels in patients and investigating the connection between sports participation and cardiovascular disease \(CVD\): A systematic review with clinical implications](#)

[Mishra, R.S.](#), [Sharma, H.](#), [Patel, G.M.](#), [Jyothi, R.R.](#)

Multidisciplinary Reviews, 2023

Article • *Open access*

[Examining medical urgent and patient precedence within the telemedicine landscape with its infrastructure and policies: A comprehensive review](#)

[Patel, G.M.](#), [Sharma, U.U.S.](#), [Gupta, S.K.](#), [Mohanani, M.](#)

Multidisciplinary Reviews, 2023

Conference Paper • *Open access*

[Prevalence and predictors of depressive symptoms among breast cancer survivors: A systematic review and meta-analysis](#)

[Jyothi, R.R.](#), [Mishra, R.S.](#), [Sharma, H.](#), [Patel, G.M.](#)

Multidisciplinary Reviews, 2023

Conference Paper • *Open access*

[A systematic review of the management and implications of radiation-induced lymphopenia and the predictive rate of radiomic-based approaches in lung cancer](#)

[Ballal, S.](#), [Chandak, S.](#), [Gupta, K.R.L.](#), [Patel, G.M.](#)

Multidisciplinary Reviews, 2023

Letter • *Open access*

[Crisis of credibility: A systematic review on the influence of rumors spread through multimedia on public health during the SARS-CoV-2 epidemic](#)

[Anila, R.S.](#), [Patel, G.M.](#), [Borah, N.](#), [Sindwani, P.](#)

Multidisciplinary Reviews, 2023

Conference Paper • *Open access*

[A low-protein diet enriched with ketoacids for renal individuals: Implications on nutritional status](#)

[Kumar, A.](#), [Verma, P.S.](#), [Patel, G.M.](#), [Malathi, H.](#)

***Multidisciplinary Reviews*, 2023**

Article

**[AUTOMATED BRAIN TUMOR CLASSIFICATION USING NOVEL MACHINE LEARNING
APPROACH ON MRI SCANS](#)**

[Deepan Chakravarthi, A.V.](#), [Sureshu, S.](#), [Upendra Sharma, U.S.](#), ...[Gupta, S.](#), [Mohan Kumar, R.](#)

***Journal of Environmental Protection and Ecology*, 2023**

Article

**[Animal Reproductive Health: Evaluating the Benefits of Mineral and Bypass Fat
Supplements for Preventing Abnormalities](#)**

[Adil, S.](#), [Sriom,](#), [Nachappa, M.N.](#)

***Revista Electronica de Veterinaria*, 2023**

Article

**[Evaluating the Validity of Dairy Calf Death Data and its Implications for Global Animal
Welfare Initiatives](#)**

[Singh, D.N.](#), [Rami, E.](#), [Prakash, F.](#)

***Revista Electronica de Veterinaria*, 2023**

Article

[Zoonotic Illness Comprehension among Small-Scale Dairy Producers: An In-depth Analysis](#)

[Rohinkar, A.](#), [Gupta, S.](#), [Kudari, J.M.](#)

***Revista Electronica de Veterinaria*, 2023**

Review

**[Treatment of Bovine Reproductive Illnesses using Traditional Medicines: A Systematic
Review](#)**

[Nachappa, M.N.](#), [Devi, B.](#), [Patel, D.J.](#)

***Revista Electronica de Veterinaria*, 2023**

Article

[Buffalo Parasitology: Unraveling Infections in the Digestive Scheme](#)

[Das, H.K.](#), [Sriom,](#), [Karthikeyan, M.P.](#)

***Revista Electronica de Veterinaria*, 2023**

Article

**[DENTAL CAVITIES IN PEOPLE WITH TYPE 2 DIABETES MELLITUS: AN ANALYSIS OF RISK
INDICATORS](#)**

[Khatri, H.](#), [Pathak, R.](#), [Yadav, R.K.](#), ...[Jyothi, R.R.](#), [Singh, A.](#)

***Georgian Medical News*, 2023**

Article

[ANXIETY SYNDROMES IN ADOLESCENTS WITH OPERATIONAL RESPIRATORY CONDITIONS: A PROSPECTIVE STUDY](#)

[Gupta, M.K.](#), [Jain, S.](#), [Chandani, P.](#), ...[Asha, K.S.](#), [Kumar, B.](#)
***Georgian Medical News*, 2023**

Article

[EMERGING NATIONS' LEARNING SYSTEMS AND THE COVID-19 PANDEMIC: AN ANALYSIS](#)

[Prabhakar, A.](#), [Kapse, V.M.](#), [Patel, G.M.](#), ...[Singh, A.](#), [Kumar, A.K.S.](#)
***Georgian Medical News*, 2023**

Book Chapter

[Medicinal plants and their bioactive components with antidiabetic potentials](#)

[Upadhyay, T.K.](#), [Das, S.](#), [Mathur, M.](#), ...[Joshi, N.](#), [Sharangi, A.B.](#)
***Antidiabetic Medicinal Plants: Applications and Opportunities*, 2023**

Conference Paper

[Smart Crosswalk Management with Vehicle-to-Pedestrian Communication](#)

[Srinivasan, S.](#), [Ramakrishnan, R.](#), [Thacker, C.B.](#), [Shrivastava, A.](#)
***International Conference on Sustainable Communication Networks and Application, ICSCNA 2023 - Proceedings*, 2023**

Conference Paper

[IoT Applications in Marine Monitoring: Protecting Ocean Health and Biodiversity](#)

[Ranganathan, C.S.](#), [Ramakrishnan, R.](#), [Parikh, S.M.](#), ...[Meenakshi, R.](#), [Muthulekshmi, M.](#)
***International Conference on Sustainable Communication Networks and Application, ICSCNA 2023 - Proceedings*, 2023**

Article • *Open access*

[Effectiveness of the QuitSure Smartphone App for Smoking Cessation: Findings of a Prospective Single Arm Trial](#)

[Pandya, A.K.](#), [Mythri, K.S.](#), [Mishra, S.](#), [Bajaj, K.](#)
***JMIR Formative Research*, 2023**

Article

[Natural sapogenins as potential inhibitors of aquaporins for targeted cancer therapy: computational insights into binding and inhibition mechanism](#)

[Alotaibi, M.O.](#), [Alotaibi, N.M.](#), [Alwaili, M.A.](#), ...[Adnan, M.](#), [Patel, M.B.](#)
***Journal of Biomolecular Structure and Dynamics*, 2023**

Article

Bitter taste receptors establish a stable binding affinity with the SARS-CoV-2-spike 1 protein akin to ACE2

Kumar, S.A., Selvaa Kumar, C., Dsouza, N.N.

***Journal of Biomolecular Structure and Dynamics*, 2023**

Conference Paper

Survey on the Effectiveness of Traffic Sign Detection and Recognition System

Patel, P.A., Vekariya, V.M., Shah, J.M., Vala, B.

***Lecture Notes in Electrical Engineering*, 2023**

Article

AN IN-DEPTH ASSESSMENT OF THE TUMOR'S IMPACT ON SARCOPENIA

Ballal, S., Singh, A., Jain, N., ...Salahuddin,, Patel, D.J.

***Georgian Medical News*, 2023**

Article

AN INCREASED RISK OF HORMONAL DISORDERS, PRIMARILY DIABETES, IN INDIVIDUALS WITH B -THALASSEMIA MAJOR: A RETROSPECTIVE ANALYSIS

Jain, S.K., Padhi, S., Patel, G.M., ...Kumar, B., Madaan, S.

***Georgian Medical News*, 2023**

Article

COVID-19 SAFETY MEASURES AND THEIR EFFECTS ON GAMBLING HABITS: AN INVESTIGATIVE STUDY

Tiwari, A., Patel, G.M., Borah, N., ...Shah, S.A., Prabhakar, A.

***Georgian Medical News*, 2023**

Book Chapter

Bioelectrochemical Treatment of Petrochemicals

Kumar, N., Tavker, N., Kumar, P.S., Singh, S.

***Environmental Science and Engineering*, 2023**

Article

Silver Nanoparticles Derived from Probiotic Lactobacillus casei—a Novel Approach for Combating Bacterial Infections and Cancer

Siddiqui, A.J., Patel, M.B., Jahan, S., ...Badraoui, R., Adnan, M.

***Probiotics and Antimicrobial Proteins*, 2023**

Article

Effect of date palm sugar on metabolic disorders in experimental diabetic rats

Patel, S., Navale, A.M.

***Current Science*, 2023**

Conference Paper

[A Survey on Brain Tumor Segmentation with Missing MRI Modalities](#)

[Shah, D.](#), [Barve, A.](#), [Vala, B.](#), [Gandhi, J.](#)

Lecture Notes in Electrical Engineering, 2023

Conference Paper

[Determination of Accuracy of Neural Network Method Using Magnetic Resonance Images in Finding Liver Cancer Level](#)

[Vekariya, V.M.](#), [Goswami, T.](#), [Singh, S.](#), ...[Abdulrahman, I.S.](#), [Jain, A.](#)

2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2023, 2023

Article • *Open access*

[Improving the health outcomes of individuals with chronic illness through the delivery of healthcare services | Mejora de la calidad de vida de las personas con enfermedades crónicas a través de la prestación de servicios de atención médica](#)

[Joseph, L.](#), [Devanshu Patel, J.](#), [Sandeep Kumar, C.](#)

Salud, Ciencia y Tecnologia, 2023

Conference Paper

[The Most Efficient and Accurate Face Mask Detection in Crowded Area using Machine Learning Algorithm](#)

[Josphineleela, R.](#), [Vekariya, V.M.](#), [Bharathidasan, B.](#), ...[Kumar, V.P.](#), [Tripathi, V.](#)

2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2023, 2023

Conference Paper

[Effect of Covid-19 on India's Industry with Digitalization, IoT, and AI Techniques](#)

[Shekokar, K.S.](#), [Kumar Pandey, A.K.](#)

2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2023, 2023

Review • *Open access*

[Deeper insight into ferroptosis: association with Alzheimer's, Parkinson's disease, and brain tumors and their possible treatment by nanomaterials induced ferroptosis](#)

[Yadav, V.K.](#), [Choudhary, N.](#), [Gacem, A.](#), ...[Jeon, B.](#), [Ali AlMubarak, H.](#)

Redox Report, 2023

Article

[Investigation of ritonavir analogs antiretroviral natural compounds against SARS-CoV-2 envelope protein](#)

[Negi, S.](#), [Kamboj, N.K.](#), [Kantli, G.B.](#), [Yadava, U.](#)

Journal of Biomolecular Structure and Dynamics, 2023

Editorial • *Open access*

[Editorial: Evolution of phytochemicals and phytotherapies in the treatment and management of cancer: targeted strategies in cancer precision medicine](#)

[Adnan, M.](#), [Pasupuleti, V.R.](#), [Patel, M.B.](#)

Frontiers in Pharmacology, 2023

Review

[Nintedanib as the First Treatment for Group of Progressive Interstitial Lung Diseases: A Review of Patent Literature](#)

[Trivedi, M.D.](#), [Dubal, G.G.](#), [Vora, P.A.](#)

Recent Advances in Inflammation and Allergy Drug Discovery, 2023

Article • *Open access*

[A single-center experience involving the first 50 patients of minimally invasive cardiac surgery of coronary artery bypass grafting: at district level | Первый опыт проведения миниинвазивного коронарного шунтирования у 50 пациентов в условиях окружного медицинского центра в Индии](#)

[Solanki, P.B.](#), [Vadodaria, N.](#), [Kanzaria, H.](#), [Solanki, B.](#)

Cardiovascular Therapy and Prevention (Russian Federation), 2023

Book Chapter

[Microbubbles](#)

[Patel, M.B.](#), [Lalan, M.](#), [Shah, P.J.](#), [Prajapati, B.G.](#)

Lipid-Based Drug Delivery Systems: Principles and Applications, 2023

Article • *Open access*

[Comparative Evaluation of Salivary Parameters in Tobacco Substance Abusers](#)

[Bhavasara, R.S.](#), [Shah, V.S.](#), [Bhavasara, R.](#), ...[Testarelli, L.](#), [Bhandi, S.H.](#)

Frontiers in Bioscience - Landmark, 2023

Review

[Bio-Functional Mesoporous Silica Nanoparticles as Nano-Structured Carriers in Cancer Theranostic Review on Recent Advancements](#)

[Gevariya, D.](#), [Priya, L.](#), [Mehta, S.](#), ...[Dharamsi, A.T.](#), [Patel, A.S.](#)

Current Drug Targets, 2023

Article

[Antioxidative and ROS-dependent apoptotic effects of Cuscuta reflexa Roxb. stem against human lung cancer: network pharmacology and in vitro experimental validation](#)

[Elasbali, A.M.](#), [Abu Al-soud, W.A.](#), [Mousa Elayyan, A.](#), ...[Patel, M.B.](#), [Adnan, M.](#)
Journal of Biomolecular Structure and Dynamics, 2023

Book Chapter

[pH-Responsive Delivery Nanoplatfoms in Cancer Theranostics](#)

[Paliwal, H.](#), [Chauhan, B.](#), [Kapoor, D.U.](#), ...[Pathak, Y.V.](#), [Prajapati, B.G.](#)
Site-specific Cancer Nanotheranostics: A Microenvironment-responsive Approach, 2023

Book Chapter

[Commercialization Challenges of Tumor Microenvironment-Responsive Nanoplatfoms](#)

[Mandal, S.D.](#), [Patel, D.J.](#), [Mandal, S.](#), [Patel, J.K.](#)
Site-specific Cancer Nanotheranostics: A Microenvironment-responsive Approach, 2023

Article • *Open access*

[Facile green synthesis and characterization of Terminalia arjuna bark phenolic–selenium nanogel: a biocompatible and green nano-biomaterial for multifaceted biological applications](#)

[Puri, A.V.](#), [Mohite, P.B.](#), [Patil, S.S.](#), ...[Dodiya, R.](#), [Singh, S.K.](#)
Frontiers in Chemistry, 2023

Article • *Open access*

[Mechanistic insights into MARK4 inhibition by galantamine toward therapeutic targeting of Alzheimer’s disease](#)

[Adnan, M.](#), [DasGupta, D.](#), [Anwar, S.](#), ...[Patel, M.B.](#), [Hassan, M.I.](#)
Frontiers in Pharmacology, 2023

Book Chapter

[Intelligent control for passenger safety: Overview, dynamic modeling and control of active suspension systems](#)

[Chhabra, H.](#), [Chauhan, U.](#), [Jain, P.](#), [Kumar, B.V.V.N.](#)
Intelligent Control for Modern Transportation Systems, 2023

Article • *Open access*

[Management of essential hypertension through Basti Karma: A case study](#)

[Chetan, M.](#), [Vaidya, A.](#)
International Journal of Experimental Research and Review, 2023

Article

[Laccase production from Bacillus sp. BAB-4151 using artificial neural network and genetic algorithm and its application for wastewater treatment](#)

[Thomas, D.](#), [Gangawane, A.K.](#), [Sayyed, R.Z.](#), ...[Osama, K.](#), [Haque, S.](#)
Biomass Conversion and Biorefinery, 2023

Book Chapter

[Green synthesis of silver nanoparticles and their potenial biological applications](#)

[Ahuja, P.](#), [Rami, E.](#), [Singh, A.K.](#), [Pathak, D.](#)

Nanotechnology and in Silico Tools: Natural Remedies and Drug Discovery, 2023

Review • *Open access*

[Revisiting the Green Synthesis of Nanoparticles: Uncovering Influences of Plant Extracts as Reducing Agents for Enhanced Synthesis Efficiency and Its Biomedical Applications](#)

[Singh, H.](#), [Desimone, M.F.](#), [Pandya, S.R.](#), ...[Bazaid, A.S.](#), [Alderhami, S.A.](#)

International Journal of Nanomedicine, 2023

Review • *Open access*

[Dissecting WASH Assessment Tools and Recommending a Comprehensive Tool for Indian Healthcare Facilities](#)

[Trivedi, P.](#), [Bhavsar, P.](#), [Saxena, D.B.](#), ...[Das, T.](#), [Yasobant, S.](#)

Risk Management and Healthcare Policy, 2023

Book Chapter

[HER Receptor in Breast Cancer](#)

[Chakraborty, G.](#)

Drug and Therapy Development for Triple Negative Breast Cancer, 2023

Review

[Current Perspectives on Nanoparticle-based Targeted Drug Delivery Approaches in Breast Cancer Treatment](#)

[Pandey, P.](#), [Khan, F.](#), [Maqsood, R.](#), [Upadhyay, T.K.](#)

Endocrine, Metabolic and Immune Disorders - Drug Targets, 2023

Article

[THE ROLE OF EXERCISE IN PREVENTING CHRONIC DISEASES: CURRENT EVIDENCE AND RECOMMENDATIONS](#)

[Usmani, D.A.](#), [Ganapathy, K.](#), [Devanshu Patel, J.](#), ...[Gupta, J.](#), [Dixit, S.](#)

Georgian Medical News, 2023

Conference Paper

[Fuzzy Air Quality Index for Air Quality Assessment in Gujarat](#)

[Nihalani, S.A.](#)

Lecture Notes in Civil Engineering, 2023

Article

[Influence of Ethanolic Plant Extracts on Covid-19 Sufferer's Platelet Performance](#)

[Sharma, M.](#), [Rohinkar, A.](#), [Singh, K.R.](#)

International Journal of Chemical and Biochemical Sciences, 2023

Article

Analyzing the Harmful Effects of Arsenic Oxides on the Morphological and Biochemical Domains of the Water Lily Plant

[Sharma, D.](#), [Upadhye, V.J.](#), [Gupta, R.](#)

International Journal of Chemical and Biochemical Sciences, 2023

Article • *Open access*

Genomic Index of Sensitivity to Chemotherapy for Triple Negative Breast Cancer

[Sameer, C.A.](#), [Shah, M.](#), [Nandy, D.](#), [Gupta, R.](#)

Asian Pacific Journal of Cancer Prevention, 2023

Book Chapter

Cow farm wastes: A bioresource for sustainable development

[Saxena, D.](#), [Sandhwar, V.K.](#)

Bio-Based Materials and Waste for Energy Generation and Resource Management: Present and Emerging Waste Management Practices: Volume 5 of Advanced Zero Waste Tools, 2023

Article

Bioactive Compounds, Antioxidant, and Antibacterial Activity Against MDR and Food-Borne Pathogenic Bacteria of Psidium guajava. L Fruit During Ripening

[Bano, A.](#), [Gupta, A.](#), [Rai, S.](#), ...[Iriti, M.](#), [Saeed, M.A.](#)

Molecular Biotechnology, 2023

Book Chapter

Phytochemicals and cancer

[Iyer, M.](#), [Pal, K.](#), [Upadhye, V.J.](#)

Recent Frontiers of Phytochemicals: Applications in Food, Pharmacy, Cosmetics, and Biotechnology, 2023

Book Chapter

Phytochemicals: recent trends and future prospective in COVID-19

[Upadhyay, D.](#), [Gaur, A.](#), [Minaxi, M.](#), [Upadhye, V.J.](#), [Andhare, P.](#)

Recent Frontiers of Phytochemicals: Applications in Food, Pharmacy, Cosmetics, and Biotechnology, 2023

Article • *Open access*

A Hospital-based Observational Study of Newly diagnosed Sthula Prameha Subjects with special reference to type 2 Diabetes Mellitus from Maharashtra, India

[Munishwar, N.J.](#), [Bramhankar, R.B.](#), [Raju, N.R.N.](#)
Brazilian Journal of Pharmaceutical Sciences, 2023

Article • *Open access*

[Cardiovascular diseases prediction by machine learning incorporation with deep learning](#)

[Subramani, S.](#), [Varshney, N.](#), [Anand, M.V.](#), ...[Anbarasu, K.](#), [Karunakaran, R.](#)
Frontiers in Medicine, 2023

Book Chapter

[Climate Change-Global Environmental Concern](#)

[Rai, A.](#), [Fulekar, M.H.](#)
Climate Change and Sustainable Development, 2023

Article • *Open access*

[Machine learning based novel frameworks developments and architectures for secured communication in VANETs for smart transportation](#)

[Chakraborty, R.](#), [Maakar, S.K.](#), [Awasthi, A.](#), ...[Rastogi, A.](#), [Jethava, G.](#)
Soft Computing, 2023

Review • *Open access*

[A pro-oxidant property of vitamin C to overcome the burden of latent Mycobacterium tuberculosis infection: A cross-talk review with Fenton reaction](#)

[Gaglani, P.](#), [Dwivedi, M.](#), [Upadhyay, T.K.](#), ...[Ahmad, I.](#), [Saeed, M.A.](#)
Frontiers in Cellular and Infection Microbiology, 2023

Review

[Levothyroxine Sodium-Thyroid Hormone Replacement Therapy for Hypothyroidism: A Review of Patent Literature](#)

[Upadhyay, U.](#), [Vora, P.A.](#), [Patel, R.S.](#), [Prajapati, B.](#)
Recent Patents on Biotechnology, 2023

Conference Paper

[A Deep Net Model for Covid-19 Detection Based on ROC Analysis Using Radiographs](#)

[Chauhan, A.](#), [Kumar Pandey, A.K.](#)
2023 International Conference on Artificial Intelligence and Smart Communication, AISC 2023, 2023

Conference Paper

[Development of hybrid technology using Machine Learning and Block chain Technology to prevent from COVID 19 through the proper information gathering](#)

[Jenifer Jothi Mary, A.](#), [Mishra, R.](#), [Alfurhood, B.S.](#), ...[Waghmare, S.](#), [Pant, K.](#)
2023 International Conference on Artificial Intelligence and Smart Communication, AISC 2023, 2023

Conference Paper

[LViT: Vision Transformer for Lung cancer Detection](#)

[Malaviya, N.](#), [Rahevar, M.L.](#), [Virani, A.](#), [Ganatra, A.P.](#), [Bhuva, K.](#)
2023 International Conference on Artificial Intelligence and Smart Communication, AISC 2023, 2023

Conference Paper

[A Hybrid technolgy using Machine learning and blockchain technology to prevent Covid](#)

[Kumar Pandey, A.K.](#), [Vekariya, V.M.](#)
2023 International Conference on Artificial Intelligence and Smart Communication, AISC 2023, 2023

Article • *Open access*

[Ethnobotany and Antimicrobial Activity of Traditional Plant-Holotelea integrifolia](#)

[Chakraborty, G.](#), [Mandal, S.D.](#), [Jani, R.K.](#)
Journal of Natural Remedies, 2023

Book Chapter

[Urogenital System Disorders and Functional Foods and Nutraceuticals](#)

[Patel, M.P.](#), [Vyas, A.S.](#), [Bharadia, P.D.](#), [Patel, J.K.](#), [Patel, D.H.](#)
Applications of Functional Foods and Nutraceuticals for Chronic Diseases: Volume I, 2023

Article • *Open access*

[Design, preparation, and in vitro evaluation of gastroretentive floating matrix tablet of mitiglinide](#)

[Patel, M.B.](#), [Shelke, S.D.](#), [Surti, N.I.](#), ...[Alshammari, N.S.](#), [Saeed, M.A.](#)
Frontiers in Pharmacology, 2023

Article

[Integrating network pharmacology approaches for the investigation of multi-target pharmacological mechanism of 6-shogaol against cervical cancer](#)

[Elasbali, A.M.](#), [Abu Al-soud, W.A.](#), [Mousa Elayyan, A.](#), ...[Patel, M.](#), [Adnan, M.](#)
Journal of Biomolecular Structure and Dynamics, 2023

Article

[Identifying novel and potent inhibitors of EGFR protein for the drug development against the breast cancer](#)

[Siddiqui, A.J.](#), [Jahan, S.](#), [Patel, M.B.](#), ...[Snoussi, M.](#), [Adnan, M.](#)

Journal of Biomolecular Structure and Dynamics, 2023

Retracted • *Open access*

[Applications of Neural Network-Based Plan-Cancer Method for Primary Diagnosis of Mesothelioma Cancer](#)

[Kapila, D.](#), [Panwar, S.A.](#), [Mohan Maruga Raja, M.K.](#), ...[Pratap Singh, S.](#), [Kumar, B.](#)

BioMed Research International, 2023

Article • *Open access*

[Chemical Composition of Ducrosia flabellifolia L. Methanolic Extract and Volatile Oil: ADME Properties, In Vitro and In Silico Screening of Antimicrobial, Antioxidant and Anticancer Activities](#)

[Snoussi, M.](#), [Hadi Lajimi, R.](#), [Badraoui, R.](#), ...[Kadri, A.](#), [Noumi, E.](#)

Metabolites, 2023

Article • *Open access*

[Thymus musilii Velen. Methanolic Extract: In Vitro and In Silico Screening of Its Antimicrobial, Antioxidant, Anti-Quorum Sensing, Antibiofilm, and Anticancer Activities](#)

[Noumi, E.](#), [Ahmad, I.](#), [Bouali, N.](#), ...[Kadri, A.](#), [Snoussi, M.](#)

Life, 2023

Review • *Open access*

[Review to Understand the Crosstalk between Immunotherapy and Tumor Metabolism](#)

[Pandey, P.](#), [Khan, F.](#), [Upadhyay, T.K.](#), [Maqsood, R.](#)

Molecules, 2023

Review • *Open access*

[Current Insights into Diagnosis, Prevention Strategies, Treatment, Therapeutic Targets, and Challenges of Monkeypox \(Mpox\) Infections in Human Populations](#)

[Patel, M.B.](#), [Adnan, M.](#), [Aldarhami, A.](#), ...[Saeed, A.](#), [Alshaghdali, K.](#)

Life, 2023

Review • *Open access*

[LIPOSOMAL DRY POWDER INHALER: NOVEL PULMONARY TARGETED DRUG DELIVERY SYSTEM FOR THE TREATMENT OF LUNG CANCER](#)

[Patil, M.M.](#), [Patel, P.H.](#)

International Journal of Applied Pharmaceutics, 2023

Article

[Phytochemical profiling, antibacterial, and antibiofilm activities of Sargassum sp. \(brown algae\) from the Red Sea: ADMET prediction and molecular docking analysis](#)

[Alreshidi, M.M.](#), [Badraoui, R.](#), [Adnan, M.](#), ...[Albulaihed, Y.](#), [Snoussi, M.](#)

Algal Research, 2023

Article

[Development of surface conjugated block co polymeric micelles as targeted therapeutics: characterization and in-vitro cell viability](#)

[Patel, S.](#), [Patel, V.](#), [Yadav, M.](#), ...[Dharamsi, A.T.](#), [Patel, A.S.](#)

Journal of Polymer Research, 2023

Review

[Elucidations of Molecular Mechanism and Mechanistic Effects of Environmental Toxicants in Neurological Disorders](#)

[Goel, H.C.](#), [Goyal, K.](#), [Pandey, A.K.](#), ...[Tanwar, P.](#), [Upadhyay, T.K.](#)

CNS and Neurological Disorders - Drug Targets, 2023

Conference Paper

[Strategies for functionalization of magnetic nanoparticles for biomedical applications](#)

[Gupta, I.](#), [Sirohi, S.](#), [Roy, K.](#)

Materials Today: Proceedings, 2023

Article

[Targeting inhibition of microtubule affinity regulating kinase 4 by Harmaline: Strategy to combat Alzheimer's disease](#)

[Adnan, M.](#), [Anwar, S.](#), [DasGupta, D.](#), ...[Snoussi, M.](#), [Hassan, M.I.](#)

International Journal of Biological Macromolecules, 2023

Short Survey

[Selection of Suitable Protein Structure from Protein Data Bank: An Important Step in Structure-based Drug Design Studies](#)

[Murumkar, P.R.](#), [Sharma, M.K.](#), [Gupta, P.](#), [Patel, N.M.](#), [Yadav, M.R.](#)

Mini-Reviews in Medicinal Chemistry, 2023

Article

[Avidin-Biotin functionalized self-assembled protein nanoparticles as EGFR targeted therapeutics for the treatment of lung cancer: characterization and cell viability](#)

[Panjwani, D.](#), [Patel, S.](#), [Mishra, D.](#), ...[Dharamsi, A.T.](#), [Patel, A.S.](#)

Journal of Dispersion Science and Technology, 2023

Article • *Open access*

[Proteomic Approach for Comparative Analysis of the Spike Protein of SARS-CoV-2 Omicron \(B.1.1.529\) Variant and Other Pango Lineages](#)

[Jain, M.](#), [Patil, N.](#), [Gor, D.](#), ...[Goel, N.](#), [Kaushik, P.](#)
Proteomes, 2022

Review • *Open access*

[**Deleterious Effect of Air Pollution on Human Microbial Community and Bacterial Flora: A Short Review**](#)

[Gupta, N.](#), [Yadav, V.K.](#), [Gacem, A.](#), ...[Kumar, P.S.](#), [Cavalu, S.D.](#)
International Journal of Environmental Research and Public Health, 2022

Article • *Open access*

[**Prevalence and Clinical Characteristics of COVID-19 in Frontline Health Care Workers**](#)

[Aring, B.J.](#), [Gavali, D.M.](#), [Kateshiya, P.R.](#), [Shingala, H.K.](#), [Gadhavi, H.M.](#)
Journal of Pure and Applied Microbiology, 2022

Article

[**Detection of Basal Cancer Cells using Photodetector Based on a Novel Surface Plasmon Resonance Nanostructure Employing Perovskite Layer with an Ultra High Sensitivity**](#)

[Daher, M.G.](#), [Trabelsi, Y.](#), [Ahmed, N.M.](#), ...[Faragallah, O.S.](#), [Zaki Rashed, A.N.](#)
Plasmonics, 2022

Article • *Open access*

[**Mental health consequences of COVID-19 pandemic among college students and coping approaches adapted by higher education institutions: A scoping review**](#)

[Pandya, A.K.](#), [Lodha, P.](#)
SSM - Mental Health, 2022

Article • *Open access*

[**Exploration of Novel Lichen Compounds as Inhibitors of SARS-CoV-2 Mpro: Ligand-Based Design, Molecular Dynamics, and ADMET Analyses**](#)

[Gupta, A.R.](#), [Sahu, N.](#), [Singh, A.P.](#), ...[Kumar, R.](#), [Sinha, R.P.](#)
Applied Biochemistry and Biotechnology, 2022

Article • *Open access*

[**A noninteger order SEITR dynamical model for TB**](#)

[Panchal, J.](#), [Acharya, F.S.](#), [Joshi, K.](#)
Advances in Continuous and Discrete Models, 2022

Article • *Open access*

[**Dietary Risk Factors in Upper Aero-Digestive Tract Cancers**](#)

[Bansal, M.](#), [Gupta, T.K.](#)
Indian Journal of Otolaryngology and Head and Neck Surgery, 2022

Article

[Solubility Enhancement of Paclitaxel by Using Biomaterial](#)

[Rede, S.D.](#), [Jani, R.K.](#)

Research Journal of Pharmacy and Technology, 2022

Article • *Open access*

[Risk Factors of Breast Cancer Among Women – A Cross-Sectional Study in Selected Slums of Bhubaneswar City, India](#)

[Ganguly, R.](#), [Patnaik, L.](#), [Sahu, T.](#)

National Journal of Community Medicine, 2022

Review

[A Perspective on EGFR and Proteasome-based Targeted Therapy for Cancer](#)

[Panjwani, D.](#), [Mishra, D.](#), [Patel, S.](#), ...[Dharamsi, A.T.](#), [Patel, A.S.](#)

Current Drug Targets, 2022

Review

[Diabetic Nephropathy: Pathogenesis to Cure](#)

[Kushwaha, K.](#), [Kabra, U.D.](#), [Dubey, R.](#), [Gupta, J.](#)

Current Drug Targets, 2022

Article • *Open access*

[Structure-Guided Approach to Discover Tuberosin as a Potent Activator of Pyruvate Kinase M2, Targeting Cancer Therapy](#)

[Adnan, M.](#), [Shamsi, A.](#), [Elasbali, A.M.](#), ...[Bardakci, F.](#), [Hassan, M.I.](#)

International Journal of Molecular Sciences, 2022

Review • *Open access*

[Metallic and metal oxide-derived nanohybrid as a tool for biomedical applications](#)

[Mujahid, M.H.](#), [Upadhyay, T.K.](#), [Khan, F.](#), ...[Upadhye, V.J.](#), [Kim, B.](#)

Biomedicine and Pharmacotherapy, 2022

Book Chapter

[Recycling polymer composites](#)

[Xavier, F.](#)

Thermoplastic Polymer Composites: Processing, Properties, Performance, Applications and Recyclability, 2022

Review • *Open access*

[Jab1 \(Cops5\) as an emerging prognostic, diagnostic and therapeutic biomarker for human cancer](#)

[Pandey, P.](#), [Khan, F.](#), [Mishra, R.](#), ...[Upadhyay, T.K.](#), [Singh, S.K.](#)

Biointerface Research in Applied Chemistry, 2022

Review • *Open access*

[Comprehensive league table of cost-utility ratios: A systematic review of cost-effectiveness evidence for health policy decisions in India](#)

[Shah, K.H.](#), [Singh, M.](#), [Kotwani, P.](#), ...[Saxena, D.B.](#), [Rajshekar, K.](#)
Frontiers in Public Health, 2022

Book Chapter

[Atmospheric bioaerosol](#)

[Shirsat, S.S.](#), [Gangavane, S.C.](#), [Upadhye, V.J.](#), [Surwase, B.S.](#), [Kulkarni, G.Y.](#)
Atmospheric Aerosols: Properties, Sources and Detection, 2022

Article

[Mini clinical evaluation exercises \(mini CEX\) as formative assessment tool in pediatric postgraduate education: Its feasibility and acceptability](#)

[Pathak, S.](#), [Patel, P.](#), [Rasania, M.](#), [Modi, P.](#)
Journal of Datta Meghe Institute of Medical Sciences University, 2022

Article • *Open access*

[Extraction, Isolation and Structure Elucidation of a Bioactive Constituent from Chloroform Extract of Moringa concanensis Leaves](#)

[Patil, V.](#), [Dodiya, T.R.](#)
Journal of Natural Remedies, 2022

Review • *Open access*

[An Evidence-Based Review of Anti-Obesity and Weight Lowering Effects of Zingiber officinale Roscoe and Terminalia chebula Retz](#)

[Kakadiya, J.L.](#), [Soni, S.](#), [Sharma, S.K.](#), [Shastri, S.](#), [Mohan Maruga Raja, M.K.](#)
Journal of Natural Remedies, 2022

Article • *Open access*

[The Antimicrobial Effects of Saudi Sumra Honey against Drug Resistant Pathogens: Phytochemical Analysis, Antibiofilm, Anti-Quorum Sensing, and Antioxidant Activities](#)

[Bazaid, A.S.](#), [Aldarhami, A.](#), [Patel, M.B.](#), ...[Monjed, M.K.](#), [Khateb, A.M.](#)
Pharmaceuticals, 2022

Article • *Open access*

[Drp1 Overexpression Decreases Insulin Content in Pancreatic MIN6 Cells](#)

[Kabra, U.D.](#), [Moruzzi, N.](#), [Berggren, P.O.](#), [Jastroch, M.](#)
International Journal of Molecular Sciences, 2022

Review • *Open access*

[Biomedical and Antioxidant Potentialities in Chilli: Perspectives and Way Forward](#)

[Bal, S.](#), [Sharangi, A.B.](#), [Upadhyay, T.K.](#), ...[Lee, H.](#), [Yadav, D.K.](#)
Molecules, 2022

Review • *Open access*

[Theranostic efficiency of biosurfactants against COVID-19 and similar viruses - A review](#)

[Sarangi, M.K.](#), [Padhi, S.](#), [Patel, L.D.](#), ...[Nanda, S.S.](#), [Yi, D.K.](#)
Journal of Drug Delivery Science and Technology, 2022

Article

[Micro-Environment mapping of mole fraction inspired contrasting charged aqueous gemini micelles: A drug solubilization/release study](#)

[Patel, B.](#), [Singh, S.](#), [Parikh, K.](#), ...[Aswal, V.K.](#), [Kumar, S.](#)
Journal of Molecular Liquids, 2022

Review • *Open access*

[Epigenetic factors in breast cancer therapy](#)

[Mathur, R.](#), [Jha, N.K.](#), [Saini, G.](#), ...[Roychoudhury, S.](#), [Sláma, P.](#)
Frontiers in Genetics, 2022

Article • *Open access*

[Ilimaquinone \(Marine Sponge Metabolite\) Induces Apoptosis in HCT-116 Human Colorectal Carcinoma Cells via Mitochondrial-Mediated Apoptosis Pathway](#)

[Surti, M.](#), [Patel, M.B.](#), [Redhwan, A.](#), ...[Alshammari, N.S.](#), [Reddy, N.M.](#)
Marine Drugs, 2022

Article • *Open access*

[ORIGINAL ARTICLE Neurological Manifestations and Their Effect on Outcome in Second Wave of COVID-19 Pandemic: A Retrospective Cohort Study](#)

[Muley, A.](#), [Mitra, S.](#), [Bhojani, H.](#), ...[Shah, J.](#), [Mahendru, S.](#)
Journal of Association of Physicians of India, 2022

Article • *Open access*

[Prevalence of Ascaris lumbricoides infections among elementary school children and associated risk factors from Southern Ethiopia](#)

[Hajare, S.T.](#), [Mulu, T.](#), [Upadhye, V.J.](#), [Chauhan, N.M.](#), [Eriso, F.](#)
Journal of Parasitic Diseases, 2022

Review • *Open access*

[Environmental and human health implications of metal\(loid\)s: Source identification, contamination, toxicity, and sustainable clean-up technologies](#)

[Kumar, P.S.](#), [Gacem, A.](#), [Ahmad, M.T.](#), ...[Jeon, B.](#), [Cabral-Pinto, M.M.d.S.](#)
Frontiers in Environmental Science, 2022

Book

[Health benefits of phenolic antioxidants](#)

[Upaganlawar, A.B.](#), [Dhote, V.V.](#), [Mohan Maruga Raja, M.K.](#)

Health Benefits of Phenolic Antioxidants, 2022

Book Chapter

[Berries as Antioxidant Rich Superfoods](#)

[Dodiya, T.R.](#), [Prajapati, D.P.](#), [Patel, J.J.](#)

Health Benefits of Phenolic Antioxidants, 2022

Review • *Open access*

[Effect of thiamine supplementation on glycaemic outcomes in adults with type 2 diabetes: a systematic review and meta-analysis](#)

[Muley, A.](#), [Fernandez, R.S.](#), [Green, H.L.](#), [Muley, P.](#)

BMJ Open, 2022

Article • *Open access*

[In vitro elucidation of antioxidant, antiproliferative, and apoptotic potential of yeast-derived \$\beta\$ -1,3-glucan particles against cervical cancer cells](#)

[Upadhyay, T.K.](#), [Trivedi, R.](#), [Khan, F.](#), ...[Yadav, D.K.](#), [Saeed, M.A.](#)

Frontiers in Oncology, 2022

Article • *Open access*

[Identification of Novel Inhibitor of Enoyl-Acyl Carrier Protein Reductase \(InhA\) Enzyme in Mycobacterium tuberculosis from Plant-Derived Metabolites: An In Silico Study](#)

[Singh, K.H.D.](#), [Pandey, N.](#), [Ahmad, F.](#), ...[Al-Keridis, L.A.](#), [Sharma, R.K.](#)

Antibiotics, 2022

Article

[Searching for Novel Anaplastic Lymphoma Kinase Inhibitors: Structure-Guided Screening of Natural Compounds for a Tyrosine Kinase Therapeutic Target in Cancers](#)

[Adnan, M.](#), [Koli, S.](#), [Mohammad, T.](#), ...[Elasbali, A.M.](#), [Hassan, M.I.](#)

OMICS A Journal of Integrative Biology, 2022

Review • *Open access*

[Evidence of Metallic and Polyether Ionophores as Potent Therapeutic Drug Candidate in Cancer Management](#)

[Pandey, P.](#), [Khan, F.](#), [Qari, H.A.](#), ...[Alkhateeb, A.F.](#), [Oves, M.](#)

Molecules, 2022

Article

[Giardia lamblia infection and associated risk factors among patients attending Kochore Health Center, Ethiopia](#)

[Hajare, S.T.](#), [Betcha, A.](#), [Sharma, R.J.](#), ...[Kuddus, M.A.](#), [Eriso, F.](#)
Infectious Diseases Now, 2022

Article

[Design and synthesis of novel N-\[3-\(benzimidazol-2-ylamino\)phenyl\]amine and N-\[3-\(benzoxazol-2-ylamino\)phenyl\]amine derivatives as potential anticancer agents](#)

[Kumar, H.Y.](#), [Murumkar, P.R.](#), [Srinivasan, B.P.](#), [Pawar, V.A.](#), [Yadav, M.R.](#)
Molecular Diversity, 2022

Review • *Open access*

[Chemopreventive Potential of Dietary Nanonutraceuticals for Prostate Cancer: An Extensive Review](#)

[Chopra, H.](#), [Bibi, S.](#), [Goyal, R.](#), ...[Emran, T.B.](#), [Kim, B.](#)
Frontiers in Oncology, 2022

Article

[Epidemiological insights into anthropometric indices and their correlates among college students through a university-level screening program in Western India](#)

[Talati, K.N.](#), [Parmar, A.S.](#), [Zalavadiya, D.I.](#), [Shinde, M.K.](#), [Patel, G.M.](#)
Indian Journal of Community Medicine, 2022

Article

[In silico Study and Solvent-free one-pot Synthesis of Tetrahydropyrimidine derivatives by Mechanochemistry Approach for Targeting Human Neutrophil Elastase against Lung Cancer](#)

[Patel, A.D.](#), [Gandhi, K.](#), [Shah, S.](#), ...[Patel, H.](#), [Bambharoliya, T.](#)
Current Computer-Aided Drug Design, 2022

Article • *Open access*

[Computational Investigation of Plant-based Bioactive Compounds as Inhibitors against Tuberculosis](#)

[Dhivya, L.S.](#), [Mohan Maruga Raja, M.K.](#), [Kathiravan, M.](#)
Journal of Natural Remedies, 2022

Article

[Evaluation of per vaginal bleeding with different drugs in successful pregnancy in patients with recurrent pregnancy loss: An original research](#)

[Das, R.](#), [Rout, R.R.](#), [Tiwari, R.V.C.](#), ...[Kommuri, S.](#), [Varma, D.P.K.](#)
Journal of Pharmacy and Bioallied Sciences, 2022

Article

Evaluation of efficiency of dyes in detection of cancer cells: An original research

[Ravindranath, K.V.](#), [Karpe, T.](#), [Gabhale, S.D.](#), ...[Javed, M.Q.](#), [Tiwari, H.D.](#)

Journal of Pharmacy and Bioallied Sciences, 2022

Review • *Open access*

Effectiveness of Pelvic Proprioceptive Neuromuscular Facilitation on Trunk Stability and Gait Parameter in Stroke Patients: A Systemic Review

[Shah, S.](#), [Doshi, H.](#), [Shah, C.](#)

Medical Journal of Dr. D.Y. Patil Vidyapeeth, 2022

Article • *Open access*

Biosynthesized Silver Nanoparticles from Eruca sativa Miller Leaf Extract Exhibits Antibacterial, Antioxidant, Anti-Quorum-Sensing, Antibiofilm, and Anti-Metastatic Activities

[AwadElkareem, A.M.](#), [Alshammari, E.M.A.](#), [Elkhalifa, A.E.O.](#), ...[Badraoui, R.](#), [Ashraf, S.A.](#)

Antibiotics, 2022

Review

Nanoparticles Mediated Target-specific Drug Delivery in Prostate Cancer: An In-depth Review

[Upadhyay, T.K.](#), [Ali, M.I.](#), [Khan, F.](#), ...[Parmar, A.M.](#), [Kamal, M.A.](#)

Current Medicinal Chemistry, 2022

Article

Structure-based in silico and in vitro Analysis Reveals Asiatic Acid as Novel Potential Inhibitor of Mycobacterium tuberculosis Maltosyl Transferase

[Singh, K.H.D.](#), [Sharma, A.](#), [Upadhyay, T.K.](#), ...[Dwivedi, U.N.](#), [Sharma, R.K.](#)

Current Computer-Aided Drug Design, 2022

Article • *Open access*

Effect of COVID-19 on air pollution related illnesses in India

[Uday, U.](#), [Bethineedi, L.D.](#), [Hasanain, M.](#), ...[Patel, P.](#), [Khalid, Z.](#)

Annals of Medicine and Surgery, 2022

Article

Synthesis and Biological Evaluation of 6-Substituted Mangiferin Derivatives as Antioxidant and Anti-cancer Agents

[Patil, M.H.](#), [Kabra, U.D.](#), [Gupta, K.R.](#), [Umekar, M.J.](#)

Letters in Organic Chemistry, 2022

Review • *Open access*

Mechanistic role of HPV-associated early proteins in cervical cancer: Molecular pathways and targeted therapeutic strategies

[Bhattacharjee, R.](#), [Das, S.S.](#), [Biswal, S.S.](#), ...[Jha, N.K.](#), [Kumar Kesari, K.K.](#)

Critical Reviews in Oncology/Hematology, 2022

Article • *Open access*

Infection Prevention and Control Practices During COVID 19 Pandemic and Its correlation with Psychosocial Health among Health Care Workers

[Yadav, O.J.](#), [Nirajkumar, B.](#), [Nagar, S.S.](#), ...[Jadhav, R.M.](#), [Jujara, M.A.](#)

National Journal of Community Medicine, 2022

Article

In vitro antimicrobial and anti-proliferative activity of crude methanolic extract of pigment from Streptomyces spp. on HT-1080 fibro sarcoma cell line

[Kamble Geetanjali, R.](#), [Kantli, G.B.](#), [Hiremath Shivaprakash, V.](#), [Hiremath Murigendra, B.](#)

Research Journal of Biotechnology, 2022

Article • *Open access*

Design, synthesis and evaluation of 4,7-disubstituted 8-methoxyquinazoline derivatives as potential cytotoxic agents targeting β -catenin/TCF4 signaling pathway

[Neogi, K.](#), [Murumkar, P.R.](#), [Sharma, P.](#), ...[Nayak, P.K.](#), [Yadav, M.R.](#)

Translational Oncology, 2022

Article • *Open access*

Integrated proteomic, transcriptomic, and genomic analysis identifies fibrinogen beta and fibrinogen gamma as key modulators of breast cancer progression and metastasis

[Patadia, H.](#), [Priyadarshini, A.](#), [Gangawane, A.K.](#)

Biomedical and Biotechnology Research Journal, 2022

Article

Cardiovascular Involvement in Patients with Chronic Kidney Disease

[Bhattacharya, A.](#), [Rana, K.](#), [Vanpariya, N.](#), ...[Radadiya, T.](#), [Singh, S.](#)

The Journal of the Association of Physicians of India, 2022

Article • *Open access*

Multiple roles for basement membrane proteins in cancer progression and EMT

[Banerjee, S.](#), [Lo, W.](#), [Majumder, P.](#), ...[Dey, A.](#), [Gundamaraju, R.](#)

European Journal of Cell Biology, 2022

Review • *Open access*

Understanding on the possible routes for SARS CoV-2 invasion via ACE2 in the host linked with multiple organs damage

[Kirtipal, N.](#), [Kumar, S.](#), [Dubey, S.K.](#), ...[Malý, P.](#), [Bharadwaj, S.](#)
Infection, Genetics and Evolution, 2022

Article • *Open access*

[30-day morbidity and mortality of sleeve gastrectomy, Roux-en-Y gastric bypass and one anastomosis gastric bypass: a propensity score-matched analysis of the GENEVA data](#)

[Singhal, R.](#), [Cardoso, V.R.](#), [Wiggins, T.H.](#), ...[Vlahović, I.](#), [Boras, Z.](#)
International Journal of Obesity, 2022

Review • *Open access*

[The Diagnostics Technologies and Control of COVID-19](#)

[Goel, H.C.](#), [Goyal, K.](#), [Baranwal, P.](#), ...[Upadhyay, T.K.](#), [Upadhye, V.J.](#)
Letters in Applied NanoBioScience, 2022

Review • *Open access*

[Revolutionization in Cancer Therapeutics via Targeting Major Immune Checkpoints PD-1, PD-L1 and CTLA-4](#)

[Pandey, P.](#), [Khan, F.](#), [Qari, H.A.](#), ...[Alkhateeb, A.F.](#), [Oves, M.](#)
Pharmaceuticals, 2022

Article

[An Efficient Approach for the Synthesis of Steroidal Schiff Bases and their Cytotoxic Activity](#)

[Mistry, S.](#), [Singh, A.K.](#)
Pharmaceutical Chemistry Journal, 2022

Article • *Open access*

[Water quality and risk assessment of copper content in drinking water stored in copper container](#)

[Manne, R.](#), [Mohan Maruga Raja, M.K.](#), [Iska, R.S.R.](#), [Devarajan, A.](#), [Mekala, N.](#)
Applied Water Science, 2022

Article • *Open access*

[In vitro elucidation of antiproliferative and apoptotic effects of thymol against prostate cancer LNCaP cells](#)

[Singhal, B.](#), [Pandey, P.](#), [Khan, F.](#), ...[Upadhye, V.J.](#), [Khan, M.M.](#)
Biointerface Research in Applied Chemistry, 2022

Article

[Synthesis of Substituted-N-\(5-\(\(7-Methyl-2-Oxo-2H-Chromen-4-yl\)-Methyl\)-1,3,4-Thiadiazol-2-yl\)-Benzamide Derivatives Using TBTU as Coupling Agent and their Evaluation for Anti Tubercular Activity](#)

[Kakadiya, M.](#), [Pasha, Y.T.](#), [Noolvi, M.N.](#), [Patel, A.D.](#)

***Letters in Organic Chemistry*, 2022**

Article • *Open access*

[Impact of clinical pharmacist intervention on medication adherence in patients with cardiovascular disease](#)

[Lavanya, S.](#), [Patel, N.](#), [Purani, A.](#), [Patel, K.](#)

***Thai Journal of Pharmaceutical Sciences*, 2022**

Article • *Open access*

[Elucidation of the inhibitory potential of flavonoids against PKP1 protein in non-small cell lung cancer](#)

[Pandey, P.](#), [Khan, F.](#), [Chauhan, P.](#), ...[Singh, S.K.](#), [Saeed, M.A.](#)

***Cellular and Molecular Biology*, 2022**

Article • *Open access*

[Role of natural plant extracts for potential antileishmanial targets–In-depth review of the molecular mechanism](#)

[Naik, N.](#), [Kaushal, R.S.](#), [Upadhyay, T.K.](#), ...[Khan, M.S.](#), [Siddiqui, S.](#)

***Cellular and Molecular Biology*, 2022**

Article • *Open access*

[Unveiling Antioxidant and Antiproliferative Effects of Prosopis juliflora Leaves against Human Prostate Cancer LNCaP Cells](#)

[Khan, F.](#), [Pandey, P.](#), [Singh, A.](#), ...[Saeed, M.A.](#), [Kahrizi, D.](#)

***Cellular and Molecular Biology*, 2022**

Conference Paper

[Skin Cancer Prediction Comparative Analysis using TL and NNs](#)

[Kumar Pandey, A.K.](#), [Barve, A.](#)

***Proceedings of 5th International Conference on Contemporary Computing and Informatics, IC3I 2022*, 2022**

Conference Paper

[Computational Intelligence approach to improve the Classification accuracy of Brain Tumor Detection](#)

[Bhagat, A.K.](#), [Vekariya, D.](#)

***Proceedings of 5th International Conference on Contemporary Computing and Informatics, IC3I 2022*, 2022**

Conference Paper

[High Level Learning Approach for High Level Collision Avoidance Using Sensors](#)

[Naibaho, L.](#), [Razauddin,](#) [Vetrivendan, L.](#), ...[Oberoi, A.](#), [Vishwath, N.C.](#)

International Interdisciplinary Humanitarian Conference for Sustainability, IIHC 2022 - Proceedings, 2022

Conference Paper

[A Prospective Approach on Covid-19 Forecasting Using LSTM](#)

[Panwar, P.](#), [Sharma, A.](#), [Garg, S.](#), [Bhutani, K.](#)

2022 International Conference on 4th Industrial Revolution Based Technology and Practices, ICFIRTP 2022, 2022

Article • *Open access*

[Investigation on antimicrobial, antioxidant, and anti-cancerous activity of Agaricus bisporus derived \$\beta\$ -Glucan against cervical cancer cell line](#)

[Bhosale, A.](#), [Trivedi, R.](#), [Upadhyay, T.K.](#), ...[Al-Naijar, M.A.](#), [Siddiqui, S.](#)

Cellular and Molecular Biology, 2022

Conference Paper

[ML based with Decision Tree Method for Classifying The Breast Cancer Level](#)

[Paikaray, D.](#), [Jethava, G.](#)

Proceedings of the 2022 11th International Conference on System Modeling and Advancement in Research Trends, SMART 2022, 2022

Conference Paper

[A Convolution Neural Network-based Prediction of Fetal Health](#)

[Marandi, A.K.](#), [Shah, H.](#)

Proceedings of the 2022 11th International Conference on System Modeling and Advancement in Research Trends, SMART 2022, 2022

Conference Paper

[Using Deep Neural Network to Detect Thyroid Cancer](#)

[Kumar Pandey, A.K.](#), [Barve, A.](#)

Proceedings of the 2022 11th International Conference on System Modeling and Advancement in Research Trends, SMART 2022, 2022

Conference Paper

[Convolutional Neural Networks based Liver Tumor Classification](#)

[Pathak, K.](#), [Singh, D.K.](#)

Proceedings - International Conference on Augmented Intelligence and Sustainable Systems, ICAISS 2022, 2022

Article • *Open access*

[Knowledge, Attitude, and Practice of Community towards an Onchocerciasis Elimination Program from South West Ethiopia](#)

[Worku, H.](#), [Mola, M.](#), [Derebew, B.](#), ...[Kuddus, M.](#), [Upadhye, V.J.](#)

Journal of Tropical Medicine, 2022

Article • *Open access*

[Enzymatic Activity and Horizontal Gene Transfer of Heavy Metals and Antibiotic Resistant *Proteus vulgaris* from Hospital Wastewater: An Insight](#)

[Alam, M.](#), [Bano, N.](#), [Upadhyay, T.K.](#), ...[Kaushal, R.S.](#), [Saeed, M.A.](#)

Canadian Journal of Infectious Diseases and Medical Microbiology, 2022

Article • *Open access*

[Anti-BPH Activity of Polyherbal Formulation on Testosterone Induced Benign Prostatic Hyperplasia in Rats](#)

[Dalal, M.](#), [Soni, H.K.](#), [Patel, D.J.](#), [Mandal, S.D.](#), [Vashi, J.D.](#)

Journal of Natural Remedies, 2022

Article • *Open access*

[Computational analysis of PTP-1B site-directed mutations and their structural binding to potential inhibitors](#)

[Tasleem, M.](#), [Shoaib, A.](#), [AL-Shammery, A.A.](#), ...[Yadav, D.K.](#), [Saeed, M.A.](#)

Cellular and Molecular Biology, 2022

Article • *Open access*

[Depression Among PLHIV On ART, Attending Drop-In Centre Run by Positive People Network: A Cross Sectional Study in Surat, India](#)

[Kosambiya, R.J.](#), [Rathore, M.S.](#), [Vaghela, K.](#), [Patel, D.J.](#), [Inamdar, S.](#)

National Journal of Community Medicine, 2022

Book Chapter

[Nutraceutical and therapeutical potential of Spirulina](#)

[Daki, S.](#), [Parmar, S.](#), [Shrivastav, A.](#)

Algae and Aquatic Macrophytes in Cities: Bioremediation, Biomass, Biofuels and Bioproducts, 2022

Article • *Open access*

[Assessment of Bacterial Diversity of Industrial Poultry Wastewater by Denaturing Gradient Gel Electrophoresis \(DGGE\) and the Cultivation Method in Order to Inform Its Reuse in Agriculture](#)

[Oueslati, A.](#), [Hassen, W.](#), [Ellafi, A.](#), ...[Elasbali, A.M.](#), [Ben Mansour, H.](#)

BioMed Research International, 2022

Conference Paper

[A Survey for Determining Patterns in the Severity of COVID Patients Using Machine Learning Algorithm](#)

[Raol, P.](#), [Vala, B.](#), [Pandya, N.K.](#)

***Lecture Notes in Networks and Systems*, 2022**

Article • *Open access*

[Increased prevalence of work-related musculoskeletal disorders among physiotherapists during the COVID-19 pandemic: A Commentary](#)

[Kakaraparthi, V.N.](#), [Vishwanathan, K.](#)

***Work*, 2022**

Article • *Open access*

[Chemical Composition and the Anticancer, Antimicrobial, and Antioxidant Properties of Acacia Honey from the Hail Region: The in vitro and in silico Investigation](#)

[Hamadou, W.S.](#), [Bouali, N.](#), [Badraoui, R.](#), ...[Rao, P.V.](#), [Snoussi, M.](#)

***Evidence-based Complementary and Alternative Medicine*, 2022**

Book Chapter

[Contactless attendance system: A health-care approach to prevent spreading of Covid-19](#)

[Yadav, A.R.](#), [Kumar, J.](#), [Anumeha.](#), [Agrawal, A.K.](#), [Kumar, R.](#)

***Blockchain for 5G Healthcare Applications: Security and privacy solutions*, 2022**

Book Chapter

[Detection of COVID-19 and its symptoms using chest X-rays for healthcare](#)

[Kumar, J.](#), [Yadav, A.R.](#), [Anumeha.](#), [Kumar, S.](#), [Gaurav, A.](#)

***Blockchain for 5G Healthcare Applications: Security and privacy solutions*, 2022**

Article • *Open access*

[Cytotoxic Activity, Cell Cycle Inhibition, and Apoptosis-Inducing Potential of Athyrium hohenackerianum \(Lady Fern\) with Its Phytochemical Profiling](#)

[Elasbali, A.M.](#), [Abu Al-soud, W.A.](#), [Al-Oanzi, Z.H.](#), ...[Patel, M.B.](#), [Adnan, M.](#)

***Evidence-based Complementary and Alternative Medicine*, 2022**

Conference Paper

[Next-gen traffic rule violation detection using optimum feature extraction techniques on highway and toll tax using Raspberry-pi hardware](#)

[Purohit, M.R.](#), [Yadav, A.R.](#), [Kumar, R.](#), ...[Dhariwal, S.](#), [Kumar, J.](#)

***2022 2nd International Conference on Artificial Intelligence and Signal Processing, AISP 2022*, 2022**

Article • *Open access*

[Cross-Sectional Study on Assessment of Frequency of Intestinal Helminth Infections and Its Related Risk Factors among School Children from Adola Town, Ethiopia](#)

[Husen, E.A.](#), [Tafesse, G.](#), [Hajare, S.T.](#), ...[Sharma, R.J.](#), [Upadhye, V.J.](#)

BioMed Research International, 2022

Conference Paper

[A Survey on Diabetes Prediction using Supervised Learning](#)

[Mehta, R.A.](#), [Vala, B.](#), [Patel, A.](#)

Proceedings of the 2nd International Conference on Artificial Intelligence and Smart Energy, ICAIS 2022, 2022

Article • *Open access*

[Anxiety, depression, worry, and stress-related perceptions among antenatal women during the COVID-19 pandemic: Single group repeated measures design](#)

[Kakaraparthi, V.N.](#), [Alshahrani, M.S.](#), [Reddy, R.S.](#), ...[Kakaraparthi, L.](#), [Ahmad, I.A.](#)

Indian Journal of Psychiatry, 2022

Article

[Development, evaluation and biodistribution of stealth liposomes of 5-fluorouracil for effective treatment of breast cancer](#)

[Katharotiya, K.](#), [Shinde, G.V.](#), [Katharotiya, D.](#), ...[Kulkarni, D.A.](#), [Panzade, P.S.](#)

Journal of Liposome Research, 2022

Article • *Open access*

[Virtual screening of curcumin and its analogs against the spike surface glycoprotein of SARS-CoV-2 and SARS-CoV](#)

[Patel, A.D.](#), [Rajendran, M.](#), [Shah, A.P.](#), ...[Pakala, S.B.](#), [Karyala, P.](#)

Journal of Biomolecular Structure and Dynamics, 2022

Review • *Open access*

[Immunological Mechanisms of Vaccine-Induced Protection against SARS-CoV-2 in Humans](#)

[Goyal, K.](#), [Goel, H.C.](#), [Baranwal, P.](#), ...[Upadhyay, T.K.](#), [Kumar Kesari, K.K.](#)

Immuno, 2021

Article • *Open access*

[Evaluation of Cytotoxicity and Genotoxicity of Water from Nag River, Nagpur, India](#)

[Hirapure, P.](#), [Paranjape, S.A.](#), [Sarodaya, V.S.](#), [Mehere, B.A.](#), [Upadhye, V.J.](#)

Nature Environment and Pollution Technology, 2021

Article

[Nanoliposomal Topical Formulation for Increasing Safety and Combating Microbial Drug Resistance in Leprosy](#)

[Shah, D.](#), [Patel, D.H.](#), [Talele, D.R.](#)

International Journal of Pharmaceutical Sciences and Nanotechnology, 2021

Article • *Open access*

[Evaluation of knowledge, attitude, awareness, fear, and anxiety levels in patients visiting the routine dental outpatient department during COVID 19 pandemic - A cross-sectional hospital-based observational research](#)

[Vohra, P.](#), [Verma, R.K.](#), [Mongia, J.S.](#), ...[Singh, R.](#), [Tiwari, H.D.](#)

Journal of Pharmacy and Bioallied Sciences, 2021

Article • *Open access*

[Efficacy of spironolactone in adult acne in polycystic ovary syndrome patients an original research](#)

[Rani, N.](#), [Kumar, P.](#), [Mishra, A.K.](#), ...[Gelada, K.](#), [Tiwari, H.D.](#)

Journal of Pharmacy and Bioallied Sciences, 2021

Review • *Open access*

[COVID-2019-2020-2021: Systematic review and meta-Analysis](#)

[Reddy, S.](#), [Mantena, M.](#), [Garlapati, S.K.P.](#), ...[Bajwa, K.](#), [Tiwari, H.D.](#)

Journal of Pharmacy and Bioallied Sciences, 2021

Article

[Diabetic retinopathy and its effect on quality of life: An original research](#)

[Mahobia, A.](#), [Sahoo, S.R.](#), [Maiti, N.](#), ...[Pandraveti, R.R.](#), [Tiwari, H.D.](#)

Journal of Pharmacy and Bioallied Sciences, 2021

Review

[Biogenic metallic nanoparticles and their anticancer activities: Biotechnological perspectives](#)

[Praveen, P.](#), [Sharma, C.K.](#)

Research Journal of Biotechnology, 2021

Article • *Open access*

[In silico analysis, synthesis and biological evaluation of DHFR inhibitors](#)

[Lad, C.](#), [Panchal, I.I.](#), [Patel, A.D.](#), ...[Patel, H.](#), [Bhimani, B.V.](#)

Folia medica, 2021

Review • *Open access*

[A contemporary chemical entities infiltrating in the antimalarial therapy era: a comprehensive review](#)

[Badeliya, S.N.](#), [Kapupara, P.P.](#), [Chauhan, N.F.](#), [Panchal, I.I.](#)

Folia medica, 2021

Article • *Open access*

[Study on Morphometry of Adrenal Glands in live fetuses by Ultrasonography](#)

[Annamraju, M.R.](#), [Prasad, A.](#), [Battalapalli, S.R.](#), [Velichety, S.D.](#), [Ravindra Kumar, B.](#)
International Journal of Anatomy and Research, 2021

Article • *Open access*

[In silico screening of chemical constituents in rasam as a beneficial supplementary treatment for novel coronavirus](#)

[Mohan Maruga Raja, M.K.](#), [Jubie, S.J.](#), [Shyam Sundar, P.](#), [Anjana, G.V.](#), [Kathiravan, M.](#)
Journal of Natural Remedies, 2021

Article • *Open access*

[Impact of COVID-19 pandemic on bariatric surgery in India: An obesity and metabolic surgery society of India survey of 1307 patients](#)

[Bhasker, A.G.](#), [Khaitan, M.](#), [Bindal, V.](#), ...[Perungo, T.](#), [Soni, V.](#)
Journal of Minimal Access Surgery, 2021

Article • *Open access*

[Beneficial effects of terminalia phillyreifolia \(Van heurck & müll. arg.\) gere & boatwr. bark extract in streptozotocin induced hyperglycaemia and diabetic nephropathy in rats](#)

[Navale, A.M.](#), [Patel, D.J.](#), [Paranjape, A.N.](#)
Journal of Nephropathology, 2021

Article • *Open access*

[A unique case of neurofibromatosis 1 \(NF1\) with Cotard syndrome - A case report](#)

[Nemlekar, S.S.](#), [Bardolia, D.D.](#), [Ritambhara, U.J.](#), [Mehta, Y.](#), [Dave, K.R.](#)
Archives of Psychiatry and Psychotherapy, 2021

Article

[Minimal inhibitory concentration and minimal bactericidal concentration of peppermint \(Mentha piperita\) extracts against standard microorganisms](#)

[Vasavada, H.](#), [Inampudi, S.](#)
Research Journal of Pharmacy and Technology, 2021

Review

[Pemetrexed – first-line therapy for non-squamous non-small cell lung cancer: A review of patent literature](#)

[Vora, P.A.](#), [Patel, R.S.](#), [Dharamsi, A.T.](#)
Recent Patents on Anti-Cancer Drug Discovery, 2021

Article

[Top 100 cited articles on diabetes mellitus and Covid-19: A bibliometric analysis](#)

[Vishwanathan, K.](#), [Kambhampati, S.B.S.](#), [Vaishya, R.](#)
Diabetes and Metabolic Syndrome: Clinical Research and Reviews, 2021

Book Chapter

[Current challenges and future directions in nanomedicine](#)

[Mandal, S.D.](#), [Mandal, S.](#), [Pathak, Y.V.](#), [Patel, J.K.](#)

Emerging Technologies for Nanoparticle Manufacturing, 2021

Article

[Vilazodone hydrochloride multi-dose nasal spray solution for the treatment of depression: Design, optimization and evaluation](#)

[Giradkar, P.](#), [Patel, D.H.](#)

Current Drug Therapy, 2021

Article

[A role of clinical trial in management of hypertension and medication of hypertension](#)

[Minesh, P.](#), [Chakraborty, G.](#)

Research Journal of Pharmacy and Technology, 2021

Article • *Open access*

[Respiratory parameters for the classification of dysfunctional insulin secretion by pancreatic islets](#)

[Kabra, U.D.](#), [Affourtit, C.](#), [Jastroch, M.](#)

Metabolites, 2021

Article

[A study on continuous infusion versus intermittent bolus dosing of furosemide in hospitalized heart failure patients](#)

[Dilli Batcha, J.S.](#), [Daniel, C.J.](#), [Marsh, C.](#), [Daniel, J.S.](#), [Lavanya, S.](#)

Research Journal of Pharmacy and Technology, 2021

Conference Paper

[Chronic Kidney Disease Stage Identification in HIV Infected Patients using Machine Learning](#)

[Darveshwala, A.Y.](#), [Singh, D.K.](#), [Farooqui, Y.](#)

Proceedings - 5th International Conference on Computing Methodologies and Communication, ICCMC 2021, 2021

Conference Paper

[Transfer Learning Aided Classification of Lung Sounds-Wheezes and Crackles](#)

[Shethwala, R.](#), [Pathar, S.](#), [Patel, T.](#), [Barot, P.](#)

Proceedings - 5th International Conference on Computing Methodologies and Communication, ICCMC 2021, 2021

Article • *Open access*

[Synchronized quantitative assessment of corticosteroid and bronchodilator in rotacaps by hptlc using fractional factorial design](#)

[Zanwar, A.S.](#), [Sen, D.B.](#), [Pandya, C.P.](#), ...[Maheshwari, R.A.](#), [Sen, A.K.](#).
Indian Journal of Pharmaceutical Education and Research, 2021

Article • *Open access*

[Invitro anti tubercular activity and physicochemical standardization of selected medicinal plant extracts](#)

[Martolia, J.](#), [Soni, H.K.](#), [Tandel, F.B.](#).
Indian Journal of Pharmaceutical Sciences, 2021

Article • *Open access*

[Evaluation and management of haemorrhagic shock in polytrauma: Clinical practice guidelines](#)

[Vishwanathan, K.](#), [Chhajwani, S.H.](#), [Gupta, A.K.](#), [Vaishya, R.](#).
Journal of Clinical Orthopaedics and Trauma, 2021

Article • *Open access*

[Identification of potential Mpro inhibitors for the treatment of COVID-19 by using systematic virtual screening approach](#)

[Kanhed, A.M.](#), [Patel, D.V.](#), [Teli, D.M.](#), ...[Chhabria, M.T.](#), [Yadav, M.R.](#).
Molecular Diversity, 2021

Article • *Open access*

[A study of serum magnesium level in type 2 diabetes mellitus and its association with glycemic control and its complications](#)

[Moradiya, K.](#), [Muley, A.](#).
International Journal of Noncommunicable Diseases, 2021

Book Chapter

[THE ROLE AND EFFECTS OF AROMA: STATUS AND TRENDS](#)

[Alam, M.](#), [Kamal, A.](#), [Upadhyay, T.K.](#), [Upadhye, V.J.](#).
Aromatic Plants: The Technology, Human Welfare and Beyond, 2021

Book Chapter

[Removal of pesticides from water and waste water by microbes](#)

[Bhatt, P.](#), [Shrivastav, A.](#).
Development in Wastewater Treatment Research and Processes: Innovative Microbe-Based Applications for Removal of Chemicals and Metals in Wastewater Treatment Plants, 2021

Article

[Psychological impact of covid-19 in the general population of india: A cross-sectional study during lockdown 3.0](#)

[Kotwani, P.](#), [Patwardhan, V.](#), [Pandya, A.K.](#)

International Journal on Disability and Human Development, 2021

Article • *Open access*

[Medical faculty perception toward digital teaching methods during COVID-19 pandemic: Experience from India](#)

[Vishwanathan, K.](#), [Patel, G.M.](#), [Patel, D.J.](#)

Journal of Education and Health Promotion, 2021

Article • *Open access*

[Perceptions and practices regarding family planning among the married women of rural area of gujarat: A cross-sectional study](#)

[Basvecha, J.](#), [Parmar, A.S.](#)

National Journal of Community Medicine, 2021

Article

[Recent advancements in nanotechnology for oral cancer: A review](#)

[Talele, D.R.](#), [Patel, D.H.](#)

Current Drug Therapy, 2021

Conference Paper

[Heavy Metal Assessment in Urban Particulate Matter in Industrial Areas of Vadodara City](#)

[Nihalani, S.A.](#), [Khambete, A.K.](#), [Jariwala, N.D.](#)

Lecture Notes in Civil Engineering, 2021

Article • *Open access*

[Clinical profile and disease progression of HIV in adolescents and young adults in Vadodara, India](#)

[Patel, G.M.](#), [Mazumdar, V.S.](#)

Indian Journal of Sexually Transmitted Diseases and AIDS, 2021

Review • *Open access*

[Common medicinal plants and their role against covid-19 for protection and treatment](#)

[Babu, A.](#), [Indiraleka, M.](#), [Mohan Maruga Raja, M.K.](#), [Dhanaraj, P.](#)

Journal of Natural Remedies, 2021

Short Survey

[A review on the synthetic approach of marinopyrroles: A natural anti-tumor agent from the ocean](#)

[Patel, A.D.](#), [Shah, H.](#), [Shah, U.H.](#), ...[Shah, A.P.](#), [Parmar, G.R.](#)

Letters in Organic Chemistry, 2021

Book Chapter

[A Fractional-Order SEAIR Model to Control the Transmission of nCOVID 19](#)

[Panchal, J.](#), [Acharya, F.S.](#)

Mathematical Engineering, 2021

Article • *Open access*

[A cross-sectional study of prevalence and types of sexual dysfunction among married male patients with alcohol dependence syndrome attending tertiary healthcare center from Central Rural India](#)

[Bhainsora, R.S.](#), [Patil, P.S.](#), [Ghogare, A.S.](#), [Vankar, G.K.](#)

Journal of Education and Health Promotion, 2021

Review • *Open access*

[Recent Advances in the Development of PI3K/ mTOR-Based Anticancer Agents: A Mini Review | Современные достижения в разработке противораковых лекарственных препаратов на основе PI3K / mTOR: мини-обзор](#)

[Panchal, I.I.](#), [Navale, A.M.](#), [Shah, A.P.](#), [Badeliya, S.N.](#), [Tripathi, R.K.P.](#)

Folia Medica, 2021

Conference Paper

[An Advanced Cognitive Approach for Heart Disease Prediction Based on Machine Learning and Internet of Medical Things \(IoMT\)](#)

[Patel, W.D.](#), [Vala, B.](#), [Parekh, H.](#)

Lecture Notes in Networks and Systems, 2021

Book Chapter

[Natural Compounds Extracted from Medicinal Plants and Their Immunomodulatory Activities](#)

[Gurjar, V.K.](#), [Pal, D.K.](#)

Advanced Structured Materials, 2021

Conference Paper

[Real-Time Electric Vehicle Collision Avoidance System Under Foggy Environment Using Raspberry Pi Controller and Image Processing Algorithm](#)

[Yadav, A.R.](#), [Kumar, J.](#), [Kumar, R.](#), ...[Singh, P.](#), [Soni, R.](#)

Lecture Notes in Electrical Engineering, 2021

Article • *Open access*

[Participants' perception of the AIIMS Trauma Assessment and Management \(ATAM\) course for management of polytrauma: A multi-institutional experience from India](#)

[Babu, B.V.](#), [Vishwanathan, K.](#), [Ramesh, A.C.](#), ...[Nimbalkar, S.M.](#), [Sharma, Y.](#)

Journal of Clinical Orthopaedics and Trauma, 2021

Article • *Open access*

[Enhanced brain targeting efficiency using 5-FU \(fluorouracil\) lipid–drug conjugated nanoparticles in brain cancer therapy](#)

[Shinde, G.V.](#), [Shiyani, S.](#), [Shelke, S.D.](#), ...[Kulkarni, D.A.](#), [Marvaniya, K.](#)

Progress in Biomaterials, 2020

Article

[Protective Effect of Eichhornia Crassipes Against Cerebral Ischemia Reperfusion Injury in Normal and Diabetic rats](#)

[Bhavsar, V.P.](#), [Vaghasiya, J.D.](#), [Suhagia, B.N.](#), [Thaker, P.](#)

Journal of Stroke and Cerebrovascular Diseases, 2020

Article

[Intermolecular interactions of nicotine with biomolecules to optimize and develop extraction formulations moderated through physicochemical properties at 303.15 K](#)

[Roy, A.](#), [Kaneriyaa, D.](#), [Pandya, S.R.](#), ...[Undre, S.B.](#), [Muddassir, M.](#)

Journal of Molecular Liquids, 2020

Article • *Open access*

[Otorhinolaryngology Malignancies in Children: A Case Series](#)

[Bansal, M.](#)

Indian Journal of Otolaryngology and Head and Neck Surgery, 2020

Article

[Digitalagriculture: Contemporary ways for precision farming practices in India](#)

[Bharadwaj, A.](#), [Hirapure, P.](#), [Paranjape, S.A.](#), [Upadhye, V.J.](#)

Plant Cell Biotechnology and Molecular Biology, 2020

Article • *Open access*

[Nanotechnology: A curative approach to combat hiv-aids](#)

[Baghel, M.K.](#), [Sailaja, I.](#), [Shaker, I.A.](#)

International Journal of Current Research and Review, 2020

Article

[A pilot study on jimutaka vamaana yoga in the management of eka kushta w.S.r to psoriasis.](#)

[Hossain, M.I.](#), [Mahesh, M.P.](#), [Kamar, C.L.](#), [Sangeeta, T.](#), [Banik, R.](#)

International Journal of Pharmaceutical Research, 2020

Article

[A Library of Thiazolidin-4-one Derivatives as Protein Tyrosine Phosphatase 1B \(PTP1B\) Inhibitors: An Attempt To Discover Novel Antidiabetic Agents](#)

[Patel, A.D.](#), [Pasha, T.Y.](#), [Lunagariya, P.](#), ...[Bhambharoliya, T.](#), [Tripathi, R.K.P.](#)
ChemMedChem, 2020

Article

[Physico-chemical and microbial assessment of Industrial dye effluent collected from Naroda G.I.D.C, Ahmedabad, Gujarat, India](#)

[Modi, S.](#), [Fulekar, M.H.](#)
Research Journal of Chemistry and Environment, 2020

Article

[“Role of Panchakarma therapy in the management of Pakshaghata” a case study](#)

[Kamar, C.L.](#), [Mahesh, M.P.](#), [Hossain, I.](#), [Sangeeta, T.](#), [Sahu, L.R.](#)
International Journal of Pharmaceutical Research, 2020

Conference Paper

[Hybrid Feature based Prediction of Suicide Related Activity on Twitter](#)

[Patel, V.](#), [Shah, H.](#), [Farooqui, Y.](#)
Proceedings of the International Conference on Intelligent Computing and Control Systems, ICICCS 2020, 2020

Article • *Open access*

[In silico screening of traditional herbal medicine derived chemical constituents for possible potential inhibition against sars-cov-2](#)

[Srimathi, R.](#), [Mohan Maruga Raja, M.K.](#), [Kathiravan, M.](#)
Journal of Natural Remedies, 2020

Editorial

[The natural way: Food, eating and obesity \(part 2\)](#)

[Mohan Maruga Raja, M.K.](#)
Journal of Natural Remedies, 2020

Article

[Identification of chalcone derivatives as putative non-steroidal aromatase inhibitors potentially useful against breast cancer by molecular docking and ADME prediction](#)

[Shah, U.H.](#), [Patel, S.G.](#), [Patel, M.M.](#), [Gandhi, K.](#), [Patel, A.D.](#)
Indian Journal of Chemistry - Section B Organic and Medicinal Chemistry, 2020

Book Chapter

[Recent advances in chemistry and synthesis of pyrazole derivatives as potential promising antimicrobial agents](#)

[Gurjar, V.K.](#), [Pal, D.K.](#), [Patel, A.D.](#)

Pyrazole: Preparation and Uses, 2020

Book Chapter

[Development in chemistry and synthesis of pyrazole derivatives as potential anticancer agents](#)

[Patel, A.D.](#), [Gurjar, V.K.](#), [Pal, D.K.](#)

Pyrazole: Preparation and Uses, 2020

Review

[Biodegradable nanoparticles: A recent approach and applications](#)

[Patil, V.](#), [Patel, A.S.](#)

Current Drug Targets, 2020

Article • *Open access*

[Cardioprotective effect of banaba on myocardial ischemia/reperfusion injury in rats](#)

[Dhote, V.V.](#), [Balaraman, R.](#), [Mohan Maruga Raja, M.K.](#)

Journal of Natural Remedies, 2020

Review • *Open access*

[A review on the biological effects of some natural products](#)

[Balaraman, R.](#), [Parmar, G.R.](#), [Maheshwari, R.A.](#), [Anuj, S.D.](#)

Journal of Natural Remedies, 2020

Review

[Nitroimidazoles: A newer class of heterocycles for treatment of tuberculosis](#)

[Chhipa, N.M.R.](#), [Patel, P.H.](#), [Panchal, N.B.](#), [Parmar, R.](#)

Research Journal of Pharmacy and Technology, 2020

Review

[Bortezomib – first therapeutic proteasome inhibitor for cancer therapy: A review of patent literature](#)

[Vora, P.A.](#), [Patel, R.S.](#), [Dharamsi, A.T.](#)

Recent Patents on Anti-Cancer Drug Discovery, 2020

Article • *Open access*

[Evidence based support to assess the role of miasm and establish the curative efficacy of homoeopathic antimiasmatic similimum medicines the cases of hyperlipidaemia-a case study](#)

[Malvi, B.](#), [Krishnan, P.R.](#)

International Journal of Research in Pharmaceutical Sciences, 2020

Article

Role of Koshtha-Shodhana and Matra Basti in the management of Pakshaghata (Hemiplegia): A case study

[Gadhavi, D.B.](#), [Mahesh, M.P.](#), [Malang, A.](#), [Toshikhane, S.](#), [Sahu, L.R.](#)

International Journal of Pharmaceutical Research, 2020

Article

Observations from a peculiar case of volatile substance dependence—A case report

[Bardolia, D.D.](#), [Parikh, U.](#), [Nemlekar, S.S.](#), [Oswal, R.M.](#)

Journal of Addictive Diseases, 2020

Article

Dextran microparticulate inhalable dry powder for the treatment of cystic fibrosis and mucopolysaccharidosis

[Solanki, N.R.](#), [Patel, D.H.](#), [Talele, D.R.](#)

Current Drug Delivery, 2020

Article

The natural way: Food, eating and obesity (Part 1)

[Mohan Maruga Raja, M.K.](#)

Journal of Natural Remedies, 2020

Conference Paper

Assessment of anticancer properties of selected medicinal plants

[Vora, S.](#)

Biotechnology and Biological Sciences-Proceedings of the 3rd International Conference of Biotechnology and Biological Sciences, BIOSPECTRUM 2019, 2020

Article

Design, synthesis and pharmacological evaluation of 1,3,4-oxadiazole derivatives as collapsin response mediator protein 1 (Crmp 1) inhibitors

[Panchal, I.I.](#), [Rajput, R.](#), [Patel, A.D.](#)

Current Drug Discovery Technologies, 2020

Conference Paper

Fully Fuzzy Semi-linear Dynamical System Solved by Fuzzy Laplace Transform Under Modified Hukuhara Derivative

[Pandit, P.K.](#), [Singh, P.](#)

Advances in Intelligent Systems and Computing, 2020

Conference Paper

Air Quality Assessment Using Fuzzy Inference Systems

[Nihalani, S.A.](#), [Moondra, N.](#), [Khambete, A.K.](#), [Christian, R.A.](#), [Jariwala, N.D.](#)

Advances in Intelligent Systems and Computing, 2020

Article

[Evaluation of bioparameters in the production of L-asparaginase from marine thermophilic fungal isolate penicillium notatum and its immobilization studies](#)

[Sundaramoorthi, C.](#), [Dharamsi, A.T.](#)

Research Journal of Pharmacy and Technology, 2019

Book Chapter

[Glucose transporters and their cellular form, role and function](#)

[Navale, A.M.](#)

Molecular Nutrition Carbohydrates, 2019

Article

[In silico analysis and molecular docking studies of novel 6,7-dihydro-pyrano \[2,3-d\] pyrimidin-5-one derivatives as human epidermal growth factor receptor 2 \(HER2\) and epidermal growth factor receptor \(EGFR\) inhibitors](#)

[Panchal, I.I.](#), [Shah, A.P.](#), [Devgirkar, A.](#), ...[Patel, A.M.](#), [Sen, D.J.](#)

Current Cancer Therapy Reviews, 2019

Book Chapter

[Integrated disease management: An upgrade to the use of biofertilizers](#)

[Patel, D.](#), [Acharya, D.K.](#), [Menon, S.](#), [Vadakan, S.](#), [Goswami, D.](#)

Plant Growth Promoting Microorganisms: Microbial Resources for Enhanced Agricultural Productivity, 2019

Article

[Formulation of dry powder inhaler of anti-tuberculous drugs using spray drying technique and optimization using 2³ level factorial design approach](#)

[Thakkar, V.T.](#), [Pandey, E.](#), [Pandya, T.S.](#), ...[Baldaniya, L.](#), [Gandhi, T.R.](#)

Current Drug Therapy, 2019

Conference Paper • *Open access*

[Methotrexate sodium loaded Tween 80 stabilised gold nanoparticles: Synthesis and characterisation](#)

[Patel, A.U.](#), [Jani, G.K.](#), [Ranch, K.M.](#), [Koli, A.R.](#), [Dharmani, N.B.](#)

International Journal of Nanoparticles, 2019

Article • *Open access*

[Inventory control policies for substitutable deteriorating items under quadratic demand](#)

[Shah, N.H.](#), [Chaudhari, U.B.](#), [Jani, M.Y.](#)

Operations and Supply Chain Management, 2019

Conference Paper

[Supervised Method for Acute Lymphoblastic Leukemia Segmentation and Classification Using Image Processing](#)

[Soni, F.](#), [Sahu, L.](#), [Getnet, M.E.](#), [Reta, B.Y.](#)

Proceedings of the 2nd International Conference on Trends in Electronics and Informatics, ICOEI 2018, 2018

Conference Paper

[Prediction of Diabetes Using Data Mining Techniques](#)

[Woldemichael, F.G.](#), [Maneria, S.](#)

Proceedings of the 2nd International Conference on Trends in Electronics and Informatics, ICOEI 2018, 2018

Article

[Scaffold hopping-guided design of some isatin based rigid analogs as fatty acid amide hydrolase inhibitors: Synthesis and evaluation](#)

[Jaiswal, S.](#), [Tripathi, R.K.P.](#), [Ayyannan, S.R.](#)

Biomedicine and Pharmacotherapy, 2018

Conference Paper

[Comparative Study on Data Mining Classification Algorithms for Predicting Road Traffic Accident Severity](#)

[Bahiru, T.K.](#), [Singh, D.K.](#), [Ayalew Tessfaw, E.](#)

Proceedings of the International Conference on Inventive Communication and Computational Technologies, ICICCT 2018, 2018

Conference Paper

[Comparison of feature extraction techniques to recognize traffic rule violations using low processing embedded system](#)

[Purohit, M.R.](#), [Yadav, A.R.](#)

2018 5th International Conference on Signal Processing and Integrated Networks, SPIN 2018, 2018

Article

[Antidiabetic and renoprotective effect of Anogeissus acuminata leaf extract on experimentally induced diabetic nephropathy](#)

[Navale, A.M.](#), [Paranjape, A.N.](#)

Journal of Basic and Clinical Physiology and Pharmacology, 2018

Article

Breast cancer amelioration by Butea monosperma in-vitro and in-vivo

Karia, P., Patel, K.V., Rathod, S.S.P.

***Journal of Ethnopharmacology*, 2018**

Article

Hydro carbon and carbon monoxide reduction from exhaust of vehicles

Prajapati, R., Patel, J., Soni, R., Modi, S.

***International Journal of Engineering and Advanced Technology*, 2018**

Article • Open access

A study of clinical profile and factors associated with cerebrospinal fluid rhinorrhea with outcomes of various treatment modalities at tertiary healthcare center

Rathva, D.M., Gupta, R.R., Aiyer, R.G., Patankar, A.P.

***Clinical Rhinology*, 2018**

Article

A cross-sectional assessment of knowledge, attitude and practice along- with awareness about medico-legal aspects of HIV among medical undergraduate students

Bansal, A.K., Bhagora, R.V., Patel, R.N., ...Barai, P.H., Thomas, E.

***Journal of Indian Academy of Forensic Medicine*, 2018**

Article

Molecular docking, in-silico admet study and development of 1,6-dihydropyrimidine derivative as protein tyrosine phosphatase inhibitor: An approach to design and develop antidiabetic agents

Patel, A.D., Barot, R.R., Parmar, I., ...Patel, M.M., Mishtry, B.

***Current Computer-Aided Drug Design*, 2018**

Article

Molecular docking, synthesis and biological evaluation of sulphonylureas/guanidine derivatives as promising antidiabetic agent

Panchal, I.I., Sen, D.J., Patel, A.D., ...Navale, A.M., Bhavsar, V.P.

***Current Drug Discovery Technologies*, 2018**

Article

A case of Hansen's disease presenting with Lucio phenomenon from Gujarat, India

Bharti, A.H.K., Patel, P.

***Indian Journal of Leprosy*, 2017**

Article • Open access

Nasal NK/T cell lymphoma presenting with perforation of palate: A case report and review of literature

[Shah, S.N.](#), [Mistry, P.R.](#), [Chauhan, G.R.](#), [Chauhan, V.J.](#), [Pillai, J.](#)

Journal of Clinical and Diagnostic Research, 2017

Article • *Open access*

[Systematic approach for the formulation and optimization of solid lipid nanoparticles of efavirenz by high pressure homogenization using design of experiments for brain targeting and enhanced bioavailability](#)

[Gupta, S.](#), [Kesarla, R.](#), [Chotai, N.P.](#), [Misra, A.N.](#), [Omri, A.W.](#)

BioMed Research International, 2017

Review

["Urustambha" - Aortoiliac occlusion with Metabolic syndrome?](#)

[Mamidi, P.](#), [Gupta, K.](#)

International Journal of Green Pharmacy, 2017

Article

[A study of relationship between menstrual cycle and hanging](#)

[Chetankumar, R.](#), [Kokatanur, C.M.](#)

Medico-Legal Update, 2016

Article

[Plasma and urinary type IV collagen levels for early detection of nephropathy in type 2 diabetes mellitus patients](#)

[Balu Mahendran, K.](#), [Vijaya Bhaskar, M.](#), [Santha, K.](#), [Inmozhi, R.](#), [Perumal, K.K.](#)

International Journal of Health Science, 2016

Book Chapter

[Analysis of effect of environmental discharge and awareness programs on japanese encephalitis spread using mathematical modeling and simulation](#)

[Shah, N.H.](#), [Chaudhari, U.B.](#), [Gupta, J.](#), [Yeolekar, B.M.](#)

Models and Methods for Supporting Decision-Making in Human Health and Environment Protection, 2016

Review • *Open access*

[Glucose transporters: physiological and pathological roles](#)

[Navale, A.M.](#), [Paranjape, A.N.](#)

Biophysical Reviews, 2016

Article • *Open access*

[Serum Magnesium and Vitamin D Levels as Indicators of Asthma Severity](#)

[Shaikh, M.N.](#), [Malapati, B.R.](#), [Gokani, R.](#), [Patel, B.](#), [Chatriwala, M.](#)

Pulmonary Medicine, 2016

Article

Synthesis and aromatase inhibitory activity of tetrahydroquinoline derivatives

Sabale, P.M., Walke, P., Solanki, U.

Indian Journal of Heterocyclic Chemistry, 2015

Article

Synthesis and biological evaluation of 4-aryl substituted -2-(5-carboxylic acid-1, 6-dihydro)-2-thiophenylethylene-6-oxypyrimidine as protein tyrosine phosphatase (ptp-1b) inhibitors

Patel, A.D., Pasha, T.Y., Modi, A.

International Journal of PharmTech Research, 2015

Article

Diabetes mellitus – Treatment using bi-layer tablets containing fixed-dose combination of antidiabetic agents

Gohel, N.A., Patel, D.M., Patel, K.S., Modi, J.G., Ghodasara, R.

International Journal of Pharmaceutical Sciences Review and Research, 2015

Article

Formulation and Evaluation of curcumin loaded nanocrystal for diabetes therapy

Shinde, G.V., Jaiswal, C., Bangale, G.S., Rajesh, K.S.

Indian Drugs, 2014

Article • *Open access*

Role of stroke unit care with panchakarma in the management of stroke: An observational case series

Mamidi, P., Kshama, G.

International Journal of Research in Ayurveda and Pharmacy, 2014

Article

Neuroprotective effects of cromakalim on cerebral ischemia-reperfusion (ir) injury and aluminium induced toxicity in rat brain

Pithadia, A.B., Panchal, S.

International Journal of Pharmacy and Pharmaceutical Sciences, 2014

Article

Is an Alternative Drug Delivery System Needed for Docetaxel? the Role of Controlling Epimerization in Formulations and beyond

Manjappa, A.S., Goel, P.N., Vekataraju, M.P., ...Gude, R.P., Murthy, R.S.R.

Pharmaceutical Research, 2013

Review

Role of inflammation in development of diabetic complications and commonly used inflammatory markers with respect to diabetic complications

[Navale, A.M.](#), [Paranjape, A.N.](#)

International Journal of Pharmacy and Pharmaceutical Sciences, 2013

Review

Metalloantibiotics in therapy: An overview

[Sabale, P.M.](#), [Kaur, P.](#), [Patel, Y.](#), [Patel, J.S.](#), [Patel, R.](#)

Journal of Chemical and Pharmaceutical Research, 2012

Article

Ehler Danlos Syndrome: An overview

[Kakadia, N.P.](#), [Kanaki, N.S.](#)

Journal of Chemical and Pharmaceutical Research, 2011

Article

Invitro anticancer activity of Rubia cordifolia against hela and HEP2 cell lines

[Patel, P.R.](#), [Nagar, A.A.](#), [Patel, R.C.](#), [Rathod, D.K.](#), [Patel, V.R.](#)

International Journal of Pharmacy and Pharmaceutical Sciences, 2011

Article

Potent antitumor activity of Rubia cordifolia

[Patel, P.R.](#), [Raval, B.P.](#), [Karanth, H.A.](#), [Patel, V.R.](#)

International Journal of Phytomedicine, 2010

Article

Development and validation of improved RP-HPLC method for identification and estimation of ellagic and gallic acid in triphala churna

[Patel, M.G.](#), [Patel, V.R.](#), [Patel, R.K.](#)

International Journal of ChemTech Research, 2010

Article

Study on design and development of sustained release tablets of metoprolol succinate

[Gothi, G.D.](#), [Parikh, B.N.](#), [Patel, T.D.](#), ...[Patel, D.M.](#), [Patel, C.N.](#)

Journal of Global Pharma Technology, 2010

Review

Nanoparticulate drug delivery systems for the treatment of diabetes

[Sona, P.S.](#)

Digest Journal of Nanomaterials and Biostructures, 2010

Review

Guillain-Barré syndrome (GBS)

Pithadia, A.B., Kakadia, N.P.

Pharmacological Reports, 2010

Article

3D Structure of resistin, a molecule responsible for insulin resistance: An computational approach

Prasad Reddy, S.L.N., Rajesh, K.S., Asad, M.

Asian Journal of Chemistry, 2009



SDG 4: Quality Education

Review • *Open access*

[Enhancing forensic education: exploring the importance and implementation of evidence-based education system](#)

[Nilendu, D.](#)

Egyptian Journal of Forensic Sciences, 2024

Conference Paper

[The Future of Work: Examining the Impact of AI/ML on Job roles, Organizational Structures, and Talent Management Practices](#)

[Manoharan, G.](#), [Sharma, P.](#), [Chaudhary, V.](#), ...[Sharma, M.K.](#), [Lourens, M.E.](#)

TQCEBT 2024 - 2nd IEEE International Conference on Trends in Quantum Computing and Emerging Business Technologies 2024, 2024

Conference Paper

[Investigation on the impact of swimming on children with ADHD](#)

[Marwaha, P.](#), [Homavazir, M.](#), [Mathad, P.](#), [Sharma, N.](#), [Varma, P.](#)

Multidisciplinary Science Journal, 2024

Article

[Prescriptive Decision Making Model for Contextual Intelligence in Human Resource Analytics](#)

[Thakre, N.K.](#), [Deshmukh, S.B.](#), [Sharma, A.](#), ...[Dhere, A.](#), [Thirulogasundaram, V.P.](#)

Nanotechnology Perceptions, 2024

Article • *Open access*

[Enhancing Different Skill Sets of Engineering Students through Project based Interdisciplinary Approach - A Case Study of Azadi Ka Amrit Mahotsav Project](#)

[Parmar, R.](#), [Patel, V.N.](#), [Kapadiya, J.](#), ...[Gandhi, V.](#), [Jadeja, S.](#)

Journal of Engineering Education Transformations, 2024

Conference Paper

[Fuzzy Decision Based Novel approach for the Performance Analysis of Teachers in the University](#)

[Makwana, K.](#), [Acharya, F.S.](#), [Panchal, J.](#)

AIP Conference Proceedings, 2023

Book

[Exploring culture and heritage through experience tourism](#)

[Rawal, Y.S.](#), [Sinha, R.](#), [Mukherjee, S.K.](#), [Batabyal, D.](#)

Exploring Culture and Heritage Through Experience Tourism, 2023

Article • *Open access*

**ARTIFICIAL INTELLIGENCE AND BIG DATA ANALYTICS-BASED
OPTIMIZATION OF CROP YIELDS IN SUSTAINABLE AGRICULTURE**

[Krishna, S.R.](#), [Kumar, R.](#), [Rose, J.D.](#), ...[Mehta, D.](#), [Ranadive, A.](#)
Carpathian Journal of Food Science and Technology, 2023

Conference Paper

AI in Education-A Transformative Force

[Trivedi, N.B.](#)
2023 1st DMIHER International Conference on Artificial Intelligence in Education and Industry 4.0, IDICAIEI 2023, 2023

Article

**EMERGING NATIONS' LEARNING SYSTEMS AND THE COVID-19 PANDEMIC:
AN ANALYSIS**

[Prabhakar, A.](#), [Kapse, V.M.](#), [Patel, G.M.](#), ...[Singh, A.](#), [Kumar, A.K.S.](#)
Georgian Medical News, 2023

Article

**UNDERSTANDING THE VITAL DETERMINANTS SHAPING LEARNERS'
PHYSICAL ACTIVITY AND PSYCHOEMOTIONAL WELLBEING IN THE COVID-
19 PERIOD**

[Patel, G.M.](#), [Sharma, U.U.S.](#), [Kumar, B.](#), ...[Chander, A.](#), [Tyagi, P.K.](#)
Georgian Medical News, 2023

Book Chapter

Environment and Sustainable Development

[Rai, A.](#), [Fulekar, M.H.](#)
Climate Change and Sustainable Development, 2023

Conference Paper

**Integration of Machine Learning Algorithms for E-Learning System Course
Recommendation Based on Data Science**

[Ramachandran, K.K.](#), [Phatak, S.S.](#), [Akram, S.V.](#), ...[Raju, A.M.](#), [Ponnusamy, R.](#)
2023 International Conference on Artificial Intelligence and Smart Communication, AISC 2023, 2023

Conference Paper

**Investigation of the Educational Performance on the Revolutionary Philosophical
Electoral Online Learning Platform Centred on Deep Learning**

[Ramachandran, K.K.](#), [Ravichand, M.](#), [Joshi, K.P.](#), ...[Saini, D.](#), [Ponnusamy, R.](#)
2023 International Conference on Artificial Intelligence and Smart Communication, AISC 2023, 2023

Article • *Open access*

Prevalence and associated risk factors of Entamoeba histolytica infection among school children from three primary schools in Arsi Town, West Zone, Ethiopia

[Roro, G.B.](#), [Eriso, F.](#), [Al-Hazimi, A.M.](#), ...[Upadhye, V.J.](#), [Hajare, S.T.](#)
Journal of Parasitic Diseases, 2022

Article • *Open access*

Evaluating and Prioritizing Barriers for Sustainable E-Learning Using Analytic Hierarchy Process-Group Decision Making

[Quadri, N.N.](#), [Qahmash, A.I.M.](#), [Al-Razgan, M.S.](#), ...[Qureshi, M.R.N.](#), [Alwan, A.A.](#)
Sustainability (Switzerland), 2022

Article • *Open access*

A case study of students' skill development through the project carried out for sustainable development of rural area for transformation to urbanization

[Patel, V.N.](#), [Gandhi, V.](#), [Thummar, K.](#), ...[Oza, V.H.](#), [Jadeja, S.](#)
Journal of Engineering Education Transformations, 2022

Book Chapter

Cloud Computing Infrastructure for Education System Development

[Mehta, A.R.](#), [Patel, K.](#), [Solanki, K.H.](#), [Swaminarayan, P.R.](#)
Cloud Computing Infrastructure for Enabling Future Technology Advancement, 2022

Article • *Open access*

Cross-Sectional Study on Assessment of Frequency of Intestinal Helminth Infections and Its Related Risk Factors among School Children from Adola Town, Ethiopia

[Husen, E.A.](#), [Tafesse, G.](#), [Hajare, S.T.](#), ...[Sharma, R.J.](#), [Upadhye, V.J.](#)
BioMed Research International, 2022

Article

A study on environmental education-a barefoot college model understanding

[Iqbal, M.](#), [Pandit, D.](#), [Chauhan, R.](#), [Susilawati, S.](#), [Patriani, Y.](#)
International Journal of Advanced Science and Technology, 2020



SDG 5: Gender Equality

Review

[Development of HIV Therapeutic Approaches based on Nanotechnology](#)

[Palash, A.](#), [Esha, R.](#), [Kiran, P.](#), [Javid, S.](#)

Research Journal of Biotechnology, 2024

Conference Paper

[Diabetes mellitus patients' mental responses to COVID-19 and its treatment](#)

[Desai, K.](#), [Ghosal, S.](#), [Goyal, B.](#), [Pallavi,](#), [Patel, D.J.](#)

Multidisciplinary Science Journal, 2024

Conference Paper

[Crime Analysis and Prediction in 7 States of India Using Statistical Software RStudio](#)

[Sharma, A.](#), [Sharma, C.S.](#), [Sharma, R.](#), [Panchal, K.D.](#)

Lecture Notes in Networks and Systems, 2023

Article • *Open access*

[Perceptions and practices regarding family planning among the married women of rural area of gujarat: A cross-sectional study](#)

[Basvecha, J.](#), [Parmar, A.S.](#)

National Journal of Community Medicine, 2021

Article • *Open access*

[Clinical profile and disease progression of HIV in adolescents and young adults in Vadodara, India](#)

[Patel, G.M.](#), [Mazumdar, V.S.](#)

Indian Journal of Sexually Transmitted Diseases and AIDS, 2021

Article

[A cross-sectional assessment of knowledge, attitude and practice along- with awareness about medico-legal aspects of HIV among medical undergraduate students](#)

[Bansal, A.K.](#), [Bhagora, R.V.](#), [Patel, R.N.](#), ...[Barai, P.H.](#), [Thomas, E.](#)

Journal of Indian Academy of Forensic Medicine, 2018



SDG 6: Clean Water and Sanitation

Article

[Recent trends in the synthesis, characterization and commercial applications of zinc oxide nanoparticles- a review](#)

[Goswami, S.](#), [Bishnoi, A.](#), [Tank, D.](#), ...[Awjan Alreshidi, M.A.](#), [Yadav, K.K.](#)
Inorganica Chimica Acta, 2024

Article • *Open access*

[Indigo carmine biodegradation by endophytic Microbacterium zeae K5: Enzymatic insights, degradation mechanism, and ecotoxicity analysis](#)

[Adnan, M.](#), [Patel, K.](#), [Patel, M.B.](#)
Environmental Technology and Innovation, 2024

Review

[A comprehensive review on microalgal chromium detoxification in tannery wastewater: Paving the way for biobased products](#)

[Verma, P.](#), [Sirotiya, V.](#), [Rathore, R.](#), ...[Yadav, K.K.](#), [Vinayak, V.](#)
Process Safety and Environmental Protection, 2024

Article • *Open access*

[CuO vs. AgO: A comparative study of cathode catalysts for boosting oxygen reduction in microbial desalination cells](#)

[Kumari, S.](#), [Mishra, R.K.](#), [Sorathiya, V.P.](#), ...[Malik, A.S.](#), [Jadhav, D.A.](#)
Desalination and Water Treatment, 2024

Article • *Open access*

[Unlocking bioremediation potential: harnessing an indigenous bacterial consortium from effluent treatment plants for industrial wastewater treatment](#)

[Rai, A.](#), [Yadav, V.K.](#), [Ali, D.](#), [Fulekar, M.H.](#)
Environmental Research Communications, 2024

Article

[An empirical intelligent water irrigation system using soft computing and IoT](#)

[Patel, W.D.](#), [Yalamanchili, D.S.](#), [Gopagoni, D.R.](#), ...[Sunil, M.P.](#), [Kolandaisamy, R.A.](#)
International Journal of Information Technology (Singapore), 2024

Article

[Bioproduction, purification, partial characterization and phenol removal efficacy of tyrosinase enzyme from Streptomyces sp. strain MR28](#)

[Rudrappa, M.](#), [Santosh Kumar, M.](#), [Basavarajappa, D.S.](#), ...[Kantli, G.B.](#), [Nayaka, S.](#)
Environmental Research, 2024

Review • *Open access*

[A Critical Review on the Advancement of the Development of Low-Cost Membranes to Be Utilized in Microbial Fuel Cells](#)

[Tiwari, A.K.](#), [Yadav, N.](#), [Jadhav, D.A.](#), ...[Sandhwar, V.K.](#), [Saxena, S.](#)
Water (Switzerland), 2024

Article

[Synergetic integration of machining metal scrap for enhanced evaporation in solar stills: A sustainable novel solution for potable water production](#)

[Peddojula, M.K.](#), [Suraparaju, S.K.](#), [Samyano, M.A.](#), ...[Natarajan, S.K.](#), [Budala, S.B.](#)
Thermal Science and Engineering Progress, 2024

Review

[Nanotechnology Interventions for Sustainable Plant Nutrition and Biosensing](#)

[Singh, A.K.](#), [Upadhyay, P.](#), [Rami, E.](#), [Singh, S.K.](#)
Journal of Soil Science and Plant Nutrition, 2024

Article • *Open access*

[Global burden and strength of evidence for 88 risk factors in 204 countries and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021](#)

[Brauer, M.](#), [Roth, G.A.](#), [Aravkin, A.Y.](#), ...[Aldhaleei, W.A.](#), [Aldridge, R.W.](#)
The Lancet, 2024

Article

[Controllable synthesis of high-yield magnetic nanomaterials assisted dye adsorbents from waste-water treatment and applications](#)

[Sharma, K.](#), [Chakroborty, S.](#), [Pal, K.](#), ...[Abdullah, M.M.](#), [Albargi, H.B.](#)
Journal of Molecular Structure, 2024

Conference Paper

[Activated Sludge Process followed by Catalytic Treatment of Sewage: Optimization of Process](#)

[Patel, B.](#), [Saxena, S.](#), [Sandhwar, V.K.](#), [Yadav, A.R.](#), [Joshi, U.A.](#)
AIP Conference Proceedings, 2024

Conference Paper

[Sleep Disorders: A Review on Different Deep Learning Algorithm](#)

[Dholariya, S.](#), [Vekariya, D.](#)
AIP Conference Proceedings, 2024

Conference Paper

[Reactive Orange 16 dye removal using novel particle-coated and graphene oxide-based DSA](#)

[Pandya, C.](#), [Saxena, P.](#)

AIP Conference Proceedings, 2024

Conference Paper

Treatment of Humic Acid Wastewater by Catalytic Oxidation Process

[Rohit, B.](#), [Kulshshretha, N.](#)

AIP Conference Proceedings, 2024

Conference Paper

Treatment of Municipal Wastewater using Microalgae and Green Synthesized Nanocatalyst: Process Optimization by Response Surface Methodology

[Parmar, B.](#), [Sandhwar, V.K.](#), [Saxena, S.](#), [Yadav, A.R.](#), [Joshi, U.A.](#)

AIP Conference Proceedings, 2024

Article • *Open access*

Geochemical evaluation and the mechanism controlling groundwater chemistry using chemometric approach and groundwater pollution index (GPI) in the Kishangarh city of Rajasthan, India

[Kumar, M.D.](#), [Garg, V.](#), [Kumar, R.D.S.](#), [Kumar, R.](#)

Environmental Science and Pollution Research, 2024

Article

Bamboo stem derived biochar for biosorption of Cadmium (II) ions from contaminated wastewater

[Sable, H.](#), [Kumar, V.](#), [Mishra, R.](#), ...[Rustagi, S.](#), [Pandit, S.](#)

Environmental Nanotechnology, Monitoring and Management, 2024

Review

Innovative strategies to manage polluted aquatic ecosystem and agri-food waste for circular economy

[Trivedi, R.](#), [Upadhyay, T.K.](#), [Khan, F.](#), ...[Emran, T.B.](#), [Siddique, M.A.B.](#)

Environmental Nanotechnology, Monitoring and Management, 2024

Article • *Open access*

Assessment of The Bioremediation Potential of Selected Bacterial Species Isolated from the Textile Printing Wastewater Inoculated with Cow Dung

[Dhameliya, K.B.](#), [Ambasana, C.](#), [Agrawal, G.](#)

Journal of Pure and Applied Microbiology, 2024

Review

A review on fluoride contamination in groundwater and human health implications and its remediation: A sustainable approaches

[Kumar, P.S.](#), [Kumar, M.](#), [Barnawi, A.B.](#), ...[Vinayak, V.](#), [Wanale, S.G.](#)

Environmental Toxicology and Pharmacology, 2024

Article

Estimation of land surface temperature and LULC changes impact on groundwater resources in the semi-arid region of Madhya Pradesh, India

[Moharir, K.N.](#), [Baliram Pande, C.](#), [Kumar Gautam, V.](#), ...[Pramanik, M.K.](#), [Elsahabi, M.A.](#)
Advances in Space Research, 2024

Article • *Open access*

Assessment of antimicrobial activity and methyl orange dye removal by Klebsiella pneumoniae-mediated silver nanoparticles

[Desai, R.](#), [Yadav, V.K.](#), [Patel, B.K.](#), ...[Sahoo, D.K.](#), [Patel, A.D.](#)
Green Processing and Synthesis, 2024

Article

Optimizing the performance of solar evacuated tube collector systems for seawater desalination

[Patel, N.](#), [Joshi, U.A.](#), [Patel, V.S.](#), ...[Kumar, A.](#), [Velkin, V.I.](#)
Environmental Progress and Sustainable Energy, 2024

Book Chapter

Biomass-Derived Biochar for Environmental Remediation

[Sharma, C.](#), [Saxena, J.](#), [Pathak, P.](#), [Kumar, S.](#)
Materials Horizons: From Nature to Nanomaterials, 2024

Article

Biosorption of Hexavalent Chromium by Shewanella putrefaciens MTCC 8104: Response Surface Methodology Optimization and Mechanistic Insights

[Sable, H.](#), [Kumar, V.](#), [Mishra, R.](#), ...[Sharma, K.D.](#), [Verma, R.K.](#)
Indian Journal of Microbiology, 2024

Conference Paper

Monitoring Water Levels in Rivers with optical fiber sensors

[Dalai, C.](#), [Singh, M.K.](#), [Sunad Kumara, A.N.](#), ...[Patil, H.](#), [Maranan, R.](#)
2024 5th International Conference on Innovative Trends in Information Technology, ICITIIT 2024, 2024

Book Chapter

Climate Change Impact on Hydrogeochemical Characteristics of Himalayan Glacier Meltwater

[Kumar, R.D.S.](#), [Kumar, R.](#), [Singh, A.K.](#), ...[Sharma, A.](#), [Singh, J.V.](#)
Sustainable Development Goals Series, 2024

Book Chapter

GIS Mapping and Groundwater Quality Assessment Near Solid Waste Dump Site

[Nihalani, S.A.](#), [Meeruty, A.R.](#), [Behede, S.N.](#)
Advances in Geographic Information Science, 2024

Conference Paper

[Parametric Optimization of Biological Process for the Treatment of Textile Wastewater](#)

[Saxena, D.](#), [Sandhwar, V.K.](#), [Saxena, S.](#), [Saha, S.](#)
AIP Conference Proceedings, 2023

Conference Paper

[A Preliminary study on Heat Pipe Solar Evacuated Tube Collector using Nano fluid as a performance parameter for heat transfer enhancement](#)

[Desai, S.](#), [Subhedar, D.G.](#)
AIP Conference Proceedings, 2023

Conference Paper

[Response Surface Application in the Photo-mineralization of Congo Red Dye Wastewater](#)

[Khan, A.](#), [Saxena, S.](#), [George, S.](#)
AIP Conference Proceedings, 2023

Conference Paper

[Optimization of Process Parameters during Activated Sludge Treatment of Municipal Wastewater using Response Surface Methodology](#)

[Mehta, M.](#), [Sandhwar, V.K.](#), [Saxena, S.](#), [Yadav, A.R.](#), [Joshi, U.A.](#)
AIP Conference Proceedings, 2023

Article • *Open access*

[Selection of optimum renewable energy sources under smart city environment for energy management and planning: An eclectic decision](#)

[Bhowmik, C.](#), [Khare, M.](#), [Mewada, B.G.](#), [Chatterjee, P.](#), [Demir, G.](#)
Reports in Mechanical Engineering, 2023

Review • *Open access*

[A review of urban water networks management using GIS](#)

[Patel, K.](#), [Nihalani, S.A.](#)
MethodsX, 2023

Erratum • *Open access*

[Corrigendum to “Microbial approaches for pharmaceutical wastewater recycling and management for sustainable development: A multicomponent approach” \[Environ. Res. 237 \(2013\) 1–8/116983\] \(Environmental Research \(2023\) 237\(P2\), \(S0013935123017875\), \(10.1016/j.envres.2023.116983\)\)](#)

[Chauhan, B.](#), [Dodamani, S.S.](#), [Malik, S.](#), ...[Haque, S.](#), [Sayyed, R.Z.](#)
Environmental Research, 2023

Article

Microbial approaches for pharmaceutical wastewater recycling and management for sustainable development: A multicomponent approach

[Chauhan, B.](#), [Dodamani, S.S.](#), [Malik, S.](#), ...[Haque, S.](#), [Sayyed, R.Z.](#)

Environmental Research, 2023

Article • *Open access*

Photocatalytic Degradation of Methylene Blue from Aqueous Solutions by Using Nano-ZnO/Kaolin-Clay-Based Nanocomposite

[Modi, S.](#), [Yadav, V.K.](#), [Ali, D.](#), ...[Patel, A.D.](#), [Fulekar, M.H.](#)

Water (Switzerland), 2023

Article • *Open access*

Spatiotemporal Vegetation Variability and Linkage with Snow-Hydroclimatic Factors in Western Himalaya Using Remote Sensing and Google Earth Engine (GEE)

[Singh, D.K.](#), [Singh, K.K.](#), [Petropoulos, G.P.](#), ...[Gupta, D.K.](#), [Sood, V.](#)

Remote Sensing, 2023

Article • *Open access*

Photocatalytic Degradation of Methylene Blue Dye from Wastewater by Using Doped Zinc Oxide Nanoparticles

[Modi, S.](#), [Yadav, V.K.](#), [Amari, A.](#), ...[Harharah, H.N.](#), [Fulekar, M.H.](#)

Water (Switzerland), 2023

Article

Nanobioremediation: a bacterial consortium-zinc oxide nanoparticle-based approach for the removal of methylene blue dye from wastewater

[Modi, S.](#), [Yadav, V.K.](#), [Amari, A.](#), ...[Igwegbe, C.A.](#), [Fulekar, M.H.](#)

Environmental Science and Pollution Research, 2023

Article

Exploring effective catalytic degradation of organic pollutant dyes using environment benign, green engineered gold nanoparticles

[Deokar, G.K.](#), [Ingale, A.G.](#)

Inorganic Chemistry Communications, 2023

Review

Microbial Fuel Cell–Based Biosensors and Applications

[Varshney, A.](#), [Sharma, L.](#), [Pandit, C.M.](#), ...[Nag, M.](#), [Upadhye, V.J.](#)

Applied Biochemistry and Biotechnology, 2023

Article

Evaluation of Thermophysical Properties and Thermal Performance of Amine-Functionalized Graphene Oxide/Deep Eutectic Solvent Nanofluids as Heat-Transfer Media for Desalination Systems

[Das, N.K.](#), [Santra, S.](#), [Naik, P.K.](#), ...[Bose, S.](#), [Banerjee, T.](#)
ACS Sustainable Chemistry and Engineering, 2023

Article • *Open access*

Treatment of Fly-Ash-Contaminated Wastewater Loaded with Heavy Metals by Using Fly-Ash-Synthesized Iron Oxide Nanoparticles

[Yadav, V.K.](#), [Amari, A.](#), [Gacem, A.](#), ...[Bashier Eltayeb, L.B.](#), [Fulekar, M.H.](#)
Water (Switzerland), 2023

Article

Purification of Lipase from Pseudomonas aeruginosa VSJK R-9 and Its Application in Combination with the Lipolytic Consortium for Bioremediation of Restaurant Wastewater

[Sutar, V.P.](#), [Mali, G.V.](#), [Upadhye, V.J.](#), [Singh, V.K.](#), [Sinha, R.P.](#)
Applied Biochemistry and Biotechnology, 2023

Article • *Open access*

Synthesis of Floral-Shaped Nanosilica from Coal Fly Ash and Its Application for the Remediation of Heavy Metals from Fly Ash Aqueous Solutions

[Yadav, V.K.](#), [Amari, A.](#), [Wanale, S.G.](#), [Osman, H.M.](#), [Fulekar, M.H.](#)
Sustainability (Switzerland), 2023

Conference Paper

Evaluating Flood Frequency Analysis Techniques: Performance Analysis of Log Pearson Type III, Gumbel's, and Log Normal Methods for Stream Discharge Estimation

[Patel, M.](#), [Parekh, F.P.](#)
Proceedings of IEEE International Conference on Modelling, Simulation and Intelligent Computing, MoSICom 2023, 2023

Conference Paper

IoT and Real-time Data Analytics Optimize Greywater Recycling

[Ranganathan, C.S.](#), [Ramakrishnan, R.](#), [Parikh, S.M.](#), [Thakur, V.S.](#), [Sujatha, S.](#)
2023 2nd International Conference on Smart Technologies for Smart Nation, SmartTechCon 2023, 2023

Conference Paper

IoT Applications in Marine Monitoring: Protecting Ocean Health and Biodiversity

[Ranganathan, C.S.](#), [Ramakrishnan, R.](#), [Parikh, S.M.](#), ...[Meenakshi, R.](#), [Muthulekshmi, M.](#)
International Conference on Sustainable Communication Networks and Application, ICSCNA 2023 - Proceedings, 2023

Book Chapter

Bioelectrochemical Treatment of Petrochemicals

[Kumar, N.](#), [Tavker, N.](#), [Kumar, P.S.](#), [Singh, S.](#)
Environmental Science and Engineering, 2023

Book Chapter

Membrane Based Technologies for Industrial Waste Management

[Varma, J.](#), [Zala, U.](#), [Upadhye, V.J.](#), [Pankaj, P.P.](#), [Shrivastav, A.](#)
Environmental Science and Engineering, 2023

Book Chapter

Bio and bio-based hybrid techniques for municipal wastewater treatment and resource recovery

[Sandhwar, V.K.](#), [Saxena, S.](#), [Joshi, U.A.](#), [Yadav, A.R.](#)
Resource Recovery in Municipal Waste Waters, 2023

Article

Efficacious elimination of salts from a convoluted ethylene glycol-water solution employing nanofiltration membranes

[Mehta, J.P.](#), [Panwar, D.S.](#), [Kohli, D.K.](#), ...[Gupta, N.K.](#), [Prakash, C.](#)
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2023

Article • *Open access*

Estimating the production of withaferin A and withanolide A in Withania somnifera (L.) dunal using aquaponics for sustainable development in hill agriculture

[Singh, M.](#), [Bhutani, S.](#), [Dinkar, N.](#), ...[Bhatt, S.C.](#), [Suyal, D.C.](#)
Frontiers in Plant Science, 2023

Article

Laccase production from Bacillus sp. BAB-4151 using artificial neural network and genetic algorithm and its application for wastewater treatment

[Thomas, D.](#), [Gangawane, A.K.](#), [Sayyed, R.Z.](#), ...[Osama, K.](#), [Haque, S.](#)
Biomass Conversion and Biorefinery, 2023

Review • *Open access*

Dissecting WASH Assessment Tools and Recommending a Comprehensive Tool for Indian Healthcare Facilities

[Trivedi, P.](#), [Bhavsar, P.](#), [Saxena, D.B.](#), ...[Das, T.](#), [Yasobant, S.](#)
Risk Management and Healthcare Policy, 2023

Article

Global Warming Effects on Water Supplies and Productivity of Crops

[Mathur, M.](#), [Thaker, T.H.](#), [Saxena, S.](#)
International Journal of Chemical and Biochemical Sciences, 2023

Article

Implementing and Analyzing the Agricultural Consequences of Olive Wastewater Digestate on Crop Growth

[Singhal, S.](#), [Upadhye, V.J.](#), [Wadhwa, D.](#)

International Journal of Chemical and Biochemical Sciences, 2023

Article

Methanation Chemical Reaction-Based Management and Valuation of Wastewater from Oil Mills

[Arora, G.](#), [Baliayn, S.](#), [Kumar, K.](#)

International Journal of Chemical and Biochemical Sciences, 2023

Article

Development of a Feasible Distillation Column for Extracting Ethyl Alcohol from Wastewater

[Desai, S.K.](#), [Sharma, M.](#), [Arya, S.](#)

International Journal of Chemical and Biochemical Sciences, 2023

Book Chapter

Biological-Based Methods for the Removal of VOCs and Heavy Metals

[Pathan, A.](#), [Shrivastav, A.](#)

Bio-Nano Filtration in Industrial Effluent Treatment: Advanced and Innovative Approaches, 2023

Book

Climate Change and Sustainable Development

[Fulekar, M.H.](#), [Dubey, R.S.](#)

Climate Change and Sustainable Development, 2023

Book Chapter

Eco-Hydrology: Conservation of Water Resources

[Rai, A.](#), [Fulekar, M.H.](#)

Climate Change and Sustainable Development, 2023

Article • *Open access*

Abiotic stresses impact on major cereals and adaptation options - A review

[Gaikwad, D.J.](#), [Ubale, N.B.](#), [Pal, A.](#), ...[Ali, M.A.](#), [Maitra, S.](#)

Research on Crops, 2022

Book Chapter

Micro algae: Tool for the removal of emerging contaminants from the industrial wastewater

[Shah, M.](#), [Shrivastav, A.](#)

Microbial Technologies for Wastewater Recycling and Management: Recent Trends, Challenges, and Perspectives, 2022

Article

Multivariate and Statistical Evaluation of Coastal Water Quality and Seasonal Variation in the Physicochemical Properties of Gulf of Khambhat Region, Gujarat, India

[Singh, J.K.](#), [Kumar, P.S.](#), [Vishwakarma, S.](#)

Water, Air, and Soil Pollution, 2022

Article • *Open access*

Prevalence and associated risk factors of Entamoeba histolytica infection among school children from three primary schools in Arsi Town, West Zone, Ethiopia

[Roro, G.B.](#), [Eriso, F.](#), [Al-Hazimi, A.M.](#), ...[Upadhye, V.J.](#), [Hajare, S.T.](#)

Journal of Parasitic Diseases, 2022

Article • *Open access*

Prevalence of Ascaris lumbricoides infections among elementary school children and associated risk factors from Southern Ethiopia

[Hajare, S.T.](#), [Mulu, T.](#), [Upadhye, V.J.](#), [Chauhan, N.M.](#), [Eriso, F.](#)

Journal of Parasitic Diseases, 2022

Review • *Open access*

Environmental and human health implications of metal(loid)s: Source identification, contamination, toxicity, and sustainable clean-up technologies

[Kumar, P.S.](#), [Gacem, A.](#), [Ahmad, M.T.](#), ...[Jeon, B.](#), [Cabral-Pinto, M.M.d.S.](#)

Frontiers in Environmental Science, 2022

Article

Giardia lamblia infection and associated risk factors among patients attending Kochore Health Center, Ethiopia

[Hajare, S.T.](#), [Betcha, A.](#), [Sharma, R.J.](#), ...[Kuddus, M.A.](#), [Eriso, F.](#)

Infectious Diseases Now, 2022

Article • *Open access*

Groundwater quality assessment in proximity to solid waste dumpsite at Uruli Devachi in Pune, Maharashtra

[Nihalani, S.A.](#), [Behede, S.N.](#), [Meeruty, A.R.](#)

Water Science and Technology, 2022

Article

Groundwater suitability determination near solid waste dump site at Pune

[Nihalani, S.A.](#), [Behede, S.N.](#), [Meeruty, A.R.](#)

Sustainable Water Resources Management, 2022

Article • *Open access*

Evidence of Antimicrobial Resistance from Maternity Units and Labor Rooms: A Water, Sanitation, and Hygiene (WASH) Study from Gujarat, India

[Kalpana, P.](#), [Trivedi, P.](#), [Bhavsar, P.](#), ...[Yasobant, S.](#), [Saxena, D.B.](#)
Healthcare (Switzerland), 2022

Article • *Open access*

Water quality and risk assessment of copper content in drinking water stored in copper container

[Manne, R.](#), [Mohan Maruga Raja, M.K.](#), [Iska, R.S.R.](#), [Devarajan, A.](#), [Mekala, N.](#)
Applied Water Science, 2022

Review

Monitoring lipids profile, CO₂ fixation, and water recyclability for the economic viability of microalgae *Chlorella vulgaris* cultivation at different initial nitrogen

[Farooq, W.A.](#), [Naqvi, S.R.](#), [Sajid, M.](#), [Shrivastav, A.](#), [Kumar, K.](#)
Journal of Biotechnology, 2022

Book Chapter

Biochar technology: A promising approach to mitigate environmental pollutants

[Reddy, S.](#), [Lakkakul, R.](#), [Hirapure, P.](#), [Upadhye, V.J.](#)
Synergistic Approaches for Bioremediation of Environmental Pollutants: Recent Advances and Challenges, 2022

Book Chapter

Applications of Metagenomics in Microbial Diversity and Function Analysis: Recent Trends and Advances

[Savalia, H.J.](#), [Shrivastav, A.](#)
Omics Insights in Environmental Bioremediation, 2022

Conference Paper

IoT Framework for Manufacturing and Image Classification

[Anwar, S.R.](#), [Adhvaryu, R.](#)
Proceedings of the 2022 11th International Conference on System Modeling and Advancement in Research Trends, SMART 2022, 2022

Article • *Open access*

Enzymatic Activity and Horizontal Gene Transfer of Heavy Metals and Antibiotic Resistant *Proteus vulgaris* from Hospital Wastewater: An Insight

[Alam, M.](#), [Bano, N.](#), [Upadhyay, T.K.](#), ...[Kaushal, R.S.](#), [Saeed, M.A.](#)
Canadian Journal of Infectious Diseases and Medical Microbiology, 2022

Article • *Open access*

Assessment of Bacterial Diversity of Industrial Poultry Wastewater by Denaturing Gradient Gel Electrophoresis (DGGE) and the Cultivation Method in Order to Inform Its Reuse in Agriculture

[Oueslati, A.](#), [Hassen, W.](#), [Ellaifi, A.](#), ...[Elasbali, A.M.](#), [Ben Mansour, H.](#)
BioMed Research International, 2022

Book Chapter

Remediation of pesticide residues from contaminated water using various nanomaterials and nanocomposites

[Bhalla, G.](#), [Bhalla, B.](#), [Kumar, V.](#), ...[Upadhye, V.J.](#), [Pathak, D.](#)
Pesticides Remediation Technologies from Water and Wastewater, 2022

Retracted • *Open access*

A Synergistic Effect of Moringa oleifera-Based Coagulant and Ultrafiltration for the Wastewater Treatment Collected from Final ETP

[Rai, A.](#), [Amari, A.](#), [Yadav, V.K.](#), ...[Fulekar, M.H.](#), [Basnet, A.](#)
Adsorption Science and Technology, 2022

Conference Paper

A Review of Precision Agriculture Methodologies, Challenges, and Applications

[Malek, M.S.](#), [Dhiraj, B.](#), [Upadhyaya, D.S.](#), [Patel, D.](#)
Lecture Notes in Electrical Engineering, 2022

Article • *Open access*

Cross-Sectional Study on Assessment of Frequency of Intestinal Helminth Infections and Its Related Risk Factors among School Children from Adola Town, Ethiopia

[Husen, E.A.](#), [Tafesse, G.](#), [Hajare, S.T.](#), ...[Sharma, R.J.](#), [Upadhye, V.J.](#)
BioMed Research International, 2022

Conference Paper

Comparative study of 4-dimensional DSA on electrochemical treatability of a reactive dye

[Saxena, P.](#), [Ruparelia Jayesh, P.P.](#), [Saxena, P.](#)
Materials Today: Proceedings, 2022

Article • *Open access*

Evaluation of Cytotoxicity and Genotoxicity of Water from Nag River, Nagpur, India

[Hirapure, P.](#), [Paranjape, S.A.](#), [Sarodaya, V.S.](#), [Mehere, B.A.](#), [Upadhye, V.J.](#)
Nature Environment and Pollution Technology, 2021

Article

Water quality index evaluation for major rivers in Gujarat

[Nihalani, S.A.](#), [Meeruty, A.R.](#)
Environmental Science and Pollution Research, 2021

Article

Mechanistic insight into heterogeneous Fenton-like catalysis with M-Al₂O₃/SiO₂(M = Fe, Co and Ni) for acrylonitrile mineralization from real ABS resin wastewater: Optimization and toxicity assessment

[Kumar, A.](#), [Prasad, B.N.](#), [Sandhwar, V.K.](#), [Garg, K.K.](#)

Journal of Environmental Chemical Engineering, 2021

Book Chapter

Microorganism: an ecofriendly tool for waste management and environmental safety

[Parmar, S.](#), [Daki, S.](#), [Bhattacharya, S.](#), [Shrivastav, A.](#)

Development in Wastewater Treatment Research and Processes: Innovative Microbe-Based Applications for Removal of Chemicals and Metals in Wastewater Treatment Plants, 2021

Book Chapter

Enzymatic decolorization and degradation of azo dyes

[Bharatbhai Vishani, D.](#), [Shrivastav, A.](#)

Development in Wastewater Treatment Research and Processes: Innovative Microbe-Based Applications for Removal of Chemicals and Metals in Wastewater Treatment Plants, 2021

Book Chapter

EMERGING CONTAMINANTS

[Rai, B.](#), [Karkhanis, R.K.](#), [Shrivastav, A.](#)

An Innovative Approach of Advanced Oxidation Processes in Wastewater Treatment, 2021

Book Chapter

Removal of pesticides from water and waste water by microbes

[Bhatt, P.](#), [Shrivastav, A.](#)

Development in Wastewater Treatment Research and Processes: Innovative Microbe-Based Applications for Removal of Chemicals and Metals in Wastewater Treatment Plants, 2021

Book Chapter

Insights on broad spectrum applications and pertinence of biofiltration in various fields

[Parmar, S.](#), [Shrivastav, A.](#), [Bhattacharya, S.](#)

An Innovative Role of Biofiltration in Wastewater Treatment Plants (WWTPs), 2021

Book Chapter

Microbial communities within biological wastewater treatment reactors

[Lal, R.](#), [Srivastava, A.](#), [Bhattacharya, S.](#)

Wastewater Treatment Reactors: Microbial Community Structure, 2021

Book Chapter

Metagenomics: A field revealing the secrets of the microbial world of wastewater treatment plants

[Gaglani, P., Srivastava, A., Bhattacharya, S.](#)

Wastewater Treatment Reactors: Microbial Community Structure, 2021

Book Chapter

Membrane bioreactors for wastewater treatment

[Gadkari, J., Shrivastav, A., Bhattacharya, S.](#)

Membrane-based Hybrid Processes for Wastewater Treatment, 2021

Book Chapter

Removal of emerging contaminants in water treatment by nanofiltration and reverse osmosis

[Rai, B., Shrivastav, A.](#)

Development in Wastewater Treatment Research and Processes: Removal of Emerging Contaminants from Wastewater through Bio-nanotechnology, 2021

Article

Comparison of COD removal from petrochemical wastewater by electro-Fenton and electro oxidation processes: optimization and kinetic analyses

[Sandhwar, V.K., Saxena, D., Verma, S., Garg, K.K., Prasad, B.N.](#)

Separation Science and Technology (Philadelphia), 2021

Article

A pilot study on jimutaka vamana yoga in the management of eka kushta w.S.r to psoriasis.

[Hossain, M.I., Mahesh, M.P., Kamar, C.L., Sangeeta, T., Banik, R.](#)

International Journal of Pharmaceutical Research, 2020

Article

Physico-chemical and microbial assessment of Industrial dye effluent collected from Naroda G.I.D.C, Ahmedabad, Gujarat, India

[Modi, S., Fulekar, M.H.](#)

Research Journal of Chemistry and Environment, 2020



SDG 7: Affordable and Clean Energy

Review

[Roles of engineered lignocellulolytic microbiota in bioaugmenting lignocellulose biomethanation](#)

[Basak, B.](#), [Kumar, R.P.](#), [Tanpure, R.S.](#), ...[Bakr, A.M.](#), [Jeon, B.](#)
Renewable and Sustainable Energy Reviews, 2025

Article • *Open access*

[State of charge control based improved hybrid energy storage system for DC microgrid](#)

[Gajjar, R.R.](#), [Giri, N.C.](#), [Patel, U.](#), ...[Dave, D.](#), [Aly, A.E.M.M.](#)
Bulletin of Electrical Engineering and Informatics, 2024

Article

[Experimental and theoretical insights into enhanced light harvesting in dye-sensitized solar cells via Au@TiO₂ core-shell and BaTiO₃ nanoparticles](#)

[Paranthaman, V.](#), [Devi, K.S.S.](#), [Bhojanaa, K.B.](#), ...[Rajamony, R.K.](#), [Krishnan, P.S.A.](#)
Journal of the Taiwan Institute of Chemical Engineers, 2024

Article

[Potential of solar thermal collector combined with dual phase change materials for different energy demands: An energy, economic, and environmental assessment](#)

[Chopra, K.](#), [Tyagi, V.V.](#), [Enosh, R.B.](#), ...[Rajamony, R.K.](#), [Kumar Pandey, A.K.](#)
International Communications in Heat and Mass Transfer, 2024

Article • *Open access*

[Effective dynamic energy management algorithm for grid-interactive microgrid with hybrid energy storage system](#)

[Kamagaté, Y.](#), [Shah, H.A.](#)
Scientific Reports, 2024

Article

[Predicting compressive strength of concrete with iron waste: a BPNN approach](#)

[Kumar Tipu, R.K.](#), [Batra, V.](#), [Suman, n.](#), [Pandya, K.S.](#), [Panchal, V.R.](#)
Asian Journal of Civil Engineering, 2024

Article

[Synthesis of a TBA-Based Polymeric Photocatalyst for Boosting the Selective Bio-Reduction of Furfural Under Solar Light Illumination](#)

[Singh, M.](#), [Yadav, R.K.](#), [Mishra, S.](#), ...[El-Hiti, G.A.](#), [Kumar Yadav, K.](#)
ChemistrySelect, 2024

Review

[A comprehensive review on microalgal chromium detoxification in tannery wastewater: Paving the way for biobased products](#)

[Verma, P.](#), [Sirotiya, V.](#), [Rathore, R.](#), ...[Yadav, K.K.](#), [Vinayak, V.](#)

Process Safety and Environmental Protection, 2024

Article

[Experimental investigation of tailoring functionalized carbon-based nano additives infused phase change material for enhanced thermal energy storage](#)

[Rajamony, R.K.](#), [Sofiah, A.G.N.](#), [Kalidasan, B.](#), ...[Noor, M.M.](#), [Kalam, M.A.](#)

Process Safety and Environmental Protection, 2024

Article • *Open access*

[Direct vapour transport grown Cu₂SnS₃ crystals: exploring structural, elastic, optical, and electronic properties](#)

[Raval, J.B.](#), [Chaki, S.H.](#), [Patel, S.R.](#), ...[Solanki, M.B.](#), [Deshpande, M.P.](#)

RSC Advances, 2024

Article • *Open access*

[Effect of compression ratio and load on performance and emission behavior of VCR-CRDI engine fueled with Moringa oleifera biodiesel](#)

[Patel, V.](#), [Buch, V.R.](#)

Journal of Thermal Engineering, 2024

Article • *Open access*

[Frequency stabilization in microgrid with PV system based on maximum power extraction: A sliding mode approach](#)

[Dev, A.](#), [Sarvaiya, G.](#), [Parmar, B.B.](#), [Chauhan, U.](#)

e-Prime - Advances in Electrical Engineering, Electronics and Energy, 2024

Article

[Assessment on thermophysical properties of nano enhanced heat transfer fluid with hexagonal boron nitride nanoparticles for thermal management of photovoltaic thermal \(PVT\) system](#)

[Sofiah, A.G.N.](#), [Rajamony, R.K.](#), [Samykan, M.A.](#), ...[Pasupuleti, J.](#), [Sulaiman, N.F.](#)

Process Safety and Environmental Protection, 2024

Article • *Open access*

[Numerical and experimental investigation of a solar air heater duct with circular detached ribs to improve its efficiency](#)

[Chhapparwal, G.K.](#), [Goyal, R.](#), [Srivastava, A.](#), ...[Kumar, L.R.](#), [Sonawane, D.C.R.](#)

Case Studies in Thermal Engineering, 2024

Article

Eco-friendly approach to thermal energy storage: Assessing the thermal and chemical properties of coconut biochar-enhanced phase change material

[Rajamony, R.K.](#), [Paw, J.K.S.](#), [Kumar Pandey, A.K.](#), ...[Soudagar, M.E.M.](#), [Fouad, Y.](#)
Energy Storage, 2024

Article

Binary nano-enhanced phase change materials (BNePCMs) integrated serpentine flow based photovoltaic thermal system: A new approach towards performance enhancement

[Ali Laghari, I.](#), [Kumar Pandey, A.K.](#), [Samykan, M.A.](#), ...[Kadirgama, K.A.](#), [Tyagi, V.V.](#)
Thermal Science and Engineering Progress, 2024

Article

One-pot solvothermal route to stannite-like Cu₂CoSnS₄ microspheres as pseudocapacitive material for electrochemical energy storage

[Sarkar, S.](#), [Sarkar, R.](#), [Roy, S.](#), [Chattopadhyay, K.K.](#)
Solid State Sciences, 2024

Book Chapter

Microalgal cell system for biofuel production: Present leads and future prospects

[Lal, R.](#), [Ranjan, A.](#), [Upadhye, V.J.](#), [Shrivastav, A.](#)
Whole-Cell Biocatalysis: Next-Generation Technology for Green Synthesis of Pharmaceutical, Chemicals, and Biofuels, 2024

Review • Open access

A Critical Review on the Advancement of the Development of Low-Cost Membranes to Be Utilized in Microbial Fuel Cells

[Tiwari, A.K.](#), [Yadav, N.](#), [Jadhav, D.A.](#), ...[Sandhwar, V.K.](#), [Saxena, S.](#)
Water (Switzerland), 2024

Article

Synergetic integration of machining metal scrap for enhanced evaporation in solar stills: A sustainable novel solution for potable water production

[Peddojula, M.K.](#), [Suraparaju, S.K.](#), [Samykan, M.A.](#), ...[Natarajan, S.K.](#), [Budala, S.B.](#)
Thermal Science and Engineering Progress, 2024

Article

Broad-spectrum infrared metamaterial absorbers based on MXenes for solar cell applications

[Ngobeh, J.M.](#), [Sorathiya, V.P.](#), [Alwabli, A.](#), [Malky, S.F.](#)
Optical and Quantum Electronics, 2024

Article

Graphene-Based Cross-Shaped Surface Plasmon Resonance Solar Absorber Design for Solar Thermal Energy Converters

[Patel, S.K.](#), [Han, B.](#), [Anushkannan, N.K.](#), ...[Almawgani, A.H.](#), [Abdelrahman Ali, Y.](#)
Plasmonics, 2024

Conference Paper

[Design and Development of High-Rise Window Cleaning Drone](#)

[Patel, M.K.B.](#), [Yadav, A.](#), [Patel, P.](#), [Begam, A.](#), [Shaik, M.](#)
AIP Conference Proceedings, 2024

Conference Paper

[Review on Blade Deflector and Blade Design of Savonius Hydro Kinetic Turbine for Water-Based Energy](#)

[Sumant, S.S.](#), [Mewada, B.G.](#), [Maisuria, M.S.](#)
AIP Conference Proceedings, 2024

Conference Paper

[Application of Metal Foam in Solar Parabolic Trough Collector- A Review Manufactured by Solid Space Holder](#)

[Shah, S.V.](#), [Goyal, B.](#)
AIP Conference Proceedings, 2024

Article • *Open access*

[In Silico Screening of Phytochemicals as an Approach against Tubulin Inhibitor in Prostate Cancer](#)

[Shaikh, A.](#), [Patel, P.H.](#), [Sharma, S.K.](#), [Jha, A.](#), [Parmar, I.](#)
Journal of Natural Remedies, 2024

Article

[Geochemical fractionation, bioavailability, and ascertaining ecological risk of phosphorus in surface and core sediments of mangroves, western coast of India](#)

[Maurya, P.](#), [Rina, K.](#), [Solanki, J.B.](#), [Ranjan, R.K.](#)
Environmental Science and Pollution Research, 2024

Article

[Energy management of a dual battery energy storage system for electric vehicular application](#)

[Selvakumar, R.B.](#), [Vivekanandan, C.](#), [Sharma, H.](#), ...[Kumar, A.S.M.](#), [Abdullah-Al-Wadud, M.](#)
Computers and Electrical Engineering, 2024

Article

[Empowering hybrid renewable energy systems with BESS for self-consumption and self-sufficiency](#)

[Barva, A.V.](#), [Joshi, S.](#)
Journal of Energy Storage, 2024

Article

Unveiling the potential of membrane in climate change mitigation and environmental resilience in ecosystem

Ahmad, T., Kumar, N., Kumar, A., ...Paswan, B.K., Qiblawey, H.
Environmental Research, 2024

Article

OntoDSO: an ontological-based dolphin swarm optimization (DSO) approach to perform energy efficient routing in Wireless Sensor Networks (WSNs)

Boopathi, M., Parikh, S.M., Awasthi, A., ...Shyam, G.K., Narula, G.S.
International Journal of Information Technology (Singapore), 2024

Article

Chaos inspired invasive weed optimization algorithm for parameter estimation of solar PV models

Chauhan, U., Chhabra, H., Jain, P., ...Chauhan, N., Kumar, B.V.V.N.
IFAC Journal of Systems and Control, 2024

Review

Single-Crystal Perovskite Halide: Crystal Growth to Devices Applications

Prakash, K., Valeti, N.J., Jain, P., ...Edri, E., Mukhopadhyay, S.
Energy Technology, 2024

Book Chapter

Functionalized polymer nanocomposites for photocatalytic applications

Parangi, T.F., Pathan, S.
Advances in Functionalized Polymer Nanocomposites: From Synthesis to Applications, 2024

Article

UTILISING HYBRID FUZZY C-MEANS CLUSTERING FOR IOT APPLICATION IN WIRELESS SENSOR NETWORKS

Chaudhary, S., Sundaram, G.M., Parikh, S.M., ...Premkumar, R., Rajaram, A.
Journal of Environmental Protection and Ecology, 2024

Article

Optimizing the performance of solar evacuated tube collector systems for seawater desalination

Patel, N., Joshi, U.A., Patel, V.S., ...Kumar, A., Velkin, V.I.
Environmental Progress and Sustainable Energy, 2024

Conference Paper

Efficient Design of Half-Adders and EXOR Gates for Energy-Efficient Quantum Computing with Delay Analysis Using Quantum-Dot Cellular Automata Technology

[Patidar, M.](#), [Bhanodiya, P.K.](#), [Rajput, S.](#), ...[Sethi, K.K.](#), [Khamparia, A.](#)
Advances in Science, Technology and Innovation, 2024

Conference Paper

Integration of Fuzzy Model with the IOT Model to Achieve Better Health(Medical) Care Design System

[Ramakrishnan, R.](#), [Kumar, V.S.P.](#), [Pillai, B.G.](#), ...[Rastogi, S.](#), [Meenakshi, R.](#)
2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024, 2024

Article

Unlocking the Potential of Kesterite Solar Cells: Quantum Confinement Structures to Pave the Way for High-Performance Photovoltaic Technologies

[Mohanty, S.R.](#), [Chandrasekar, P.](#), [Sahoo, S.](#), [Routray, S.](#)
Physica Status Solidi (A) Applications and Materials Science, 2024

Conference Paper

Optimizing Routes for Improved Quality of Service in Wireless Sensor Networks through an Energy-Aware Routing Protocol for Maximizing Lifetime

[Ramakrishnan, R.](#), [Kumar, V.S.P.](#), [Pillai, B.G.](#), ...[Patre, S.](#), [Meenakshi, R.](#)
2024 International Conference on Knowledge Engineering and Communication Systems, ICKECS 2024, 2024

Conference Paper

Optimizing Power Consumption for Business Networks through Cooperative Communication in Mixed Wireless Environments

[Ramakrishnan, R.](#), [Kumar, V.S.P.](#), [Sanjay, C.P.](#), ...[Patre, S.](#), [Meenakshi, R.](#)
2024 International Conference on Knowledge Engineering and Communication Systems, ICKECS 2024, 2024

Article

Machine Learning and Internet of Things Driven Energy Optimization in Wireless Sensor Networks through Crossbreed Clustering

[Alabed, A.S.](#), [Samala, R.K.](#), [Asha, K.S.](#), ...[Barve, A.](#), [Minhas, D.](#)
Journal of Intelligent Systems and Internet of Things, 2024

Book Chapter

Cost-Effective Downstream Processing of Algal Biomass for Industrial-Scale Biofuels Production

[Banerjee, S.](#), [Mandari, V.](#), [Shalini, M.](#), [Nithyashree, R.](#), [Kinage, C.](#)
Environmental Science and Engineering, 2024

Conference Paper

Permanent Magnet Synchronous Motor Control and Implementation of this Control into the Microprocessor and its Realization

[Rathnakar, G.](#), [Negi, H.S.](#), [Shashibhushan, G.](#), ...[Vekariya, D.](#), [Maranan, R.](#)
2024 International Conference on Intelligent Systems for Cybersecurity, ISCS 2024, 2024

Conference Paper

[Design of a Method Using Machine Learning Techniques for the Maintenance and Diagnosis of Failures in Solar Panels](#)

[Chaturvedi, A.](#), [Lohumi, Y.](#), [Patil, H.](#), ...[Vekariya, D.](#), [Taqui, S.N.](#)
2024 International Conference on Intelligent Systems for Cybersecurity, ISCS 2024, 2024

Conference Paper

[Experimental Validation of the Aging Model of Lithium-Ion Batteries Regardless of Deterioration Conditions](#)

[Kharche, N.A.](#), [Singh, P.](#), [Soni, N.B.](#), ...[Patil, H.](#), [Maranan, R.](#)
2024 5th International Conference on Innovative Trends in Information Technology, ICITIIT 2024, 2024

Review

[Value-Added Nanocellulose Valorized from Fruit Peel Waste for Potential Dermal Wound Healing and Tissue Regenerative Applications](#)

[Datta, D.](#), [Prajapati, B.](#), [Jethva, H.](#), ...[Singh, S.K.](#), [Prajapati, B.G.](#)
Regenerative Engineering and Translational Medicine, 2024

Article • *Open access*

[Design and performance evaluation of inverted downdraft biomass gasifier cook stove for improving the kitchen environment of rural area](#)

[Shah, R.R.](#), [Galindo, M.V.](#), [Martínez-Valencia, A.B.](#), ...[Makvana, N.](#), [Patel, K.](#)
Applied Chemical Engineering, 2024

Conference Paper

[Robotic Solutions for Geothermal and Energy Sector Monitoring with IoT Random Forest Algorithm](#)

[Baskar, V.V.](#), [Ramakrishnan, R.](#), [Kantilal, P.P.](#), ...[Vasmatkar, A.D.](#), [Suganya, J.](#)
Proceedings of the 2024 10th International Conference on Communication and Signal Processing, ICCSP 2024, 2024

Book Chapter

[Biofuels from Chitinous Sources](#)

[Krishnamoorthy, A.](#), [Upadhyay, T.K.](#), [Sharangi, A.B.](#), [Kaushal, R.S.](#)
Biofuels: Scientific Explorations and Technologies for a Sustainable Environment, 2024

Conference Paper

[West Africa Power Pool Transmission Line Monitoring Using the Scada System](#)

[Ngobeh, J.M.](#), [Sannoh, M.](#)
Proceedings - 2024 2nd International Conference on Smart Technologies for Power and Renewable Energy, SPECon 2024, 2024

Conference Paper

Integrated Control and Modeling of a PV-Wind Hybrid System for DC Electric Micro-Networks

[Santhosha, B.M.](#), [Negi, H.S.](#), [BalaRaju, V.](#), ...[Patil, H.](#), [Maranan, R.](#)

2024 IEEE International Conference on Intelligent Techniques in Control, Optimization and Signal Processing, INCOS 2024 - Proceedings, 2024

Conference Paper

Solar-Powered Fixed-Wing UAV: Fabrication Procedures with Design Methods

[Vishwath, N.C.](#), [Dhanwani, P.](#), [Baghel, R.K.](#), [Bendale, R.](#), [Mehta, P.](#)

Lecture Notes in Mechanical Engineering, 2024

Article

Teaching learning optimization-based sliding mode control for frequency regulation in microgrid

[Dev, A.](#), [Mondal, B.](#), [Verma, V.K.](#), [Kumar, V.](#)

Electrical Engineering, 2024

Conference Paper

Smart Processing of Exceptional Values in Electrical Networks Using Neuro-Fuzzy Algorithms

[Anwar, M.](#), [Kothiyal, A.](#), [Nandankar, P.V.](#), ...[Patil, H.](#), [Maranan, R.](#)

2024 IEEE International Students' Conference on Electrical, Electronics and Computer Science, SCEECS 2024, 2024

Conference Paper

Intelligent Solar Tracking System with Fuzzy Logic Control and IoT Integration

[Rathika, N.](#), [Ramakrishnan, R.](#), [Sutaria, K.K.](#), ...[Reddy, R.S.](#), [Muthulekshmi, M.](#)

2024 2nd International Conference on Computer, Communication and Control, IC4 2024, 2024

Article

Photovoltaic fuzzy based modelling on defining energy efficient solar devices in industry 4.0

[Pavan Kumar, T.V.](#), [Taranath, N.L.](#), [Rahul, R.](#), ...[Metwally, A.S.M.](#), [Kalam, M.A.](#)

Optical and Quantum Electronics, 2024

Article

AI-driven electro chromic materials and devices for nanofabrication in machine learning integrated environments

[Prasanna, K.M.](#), [Shukla, A.](#), [Tamizarasu, K.](#), ...[Metwally, A.S.M.](#), [Aftab, S.](#)

Optical and Quantum Electronics, 2024

Article • Open access

Empowering customers in local electricity market: A prosumer segmentation and operating envelope strategy for joint cost reduction and profit maximization

[Mochi, P.](#), [Pandya, K.S.](#), [Faia, R.](#), ...[Soares, J.P.](#), [Vale, Z.A.](#)

Electric Power Systems Research, 2024

Article

Solar Energy Measurement and Monitoring Model by Using Internet of Things

[Ramakrishnan, R.](#), [Gor, M.](#), [Meenakshi, R.](#), ...[Ouladsmame, M.A.](#), [Kalam, M.A.](#)

Electric Power Components and Systems, 2024

Article

Forecasting the PV Power Utilizing a Combined Convolutional Neural Network and Long Short-Term Memory Model

[Ramakrishnan, R.](#), [Mewada, B.](#), [Meenakshi, R.](#), ...[Mohammad Wabaidur, S.M.](#), [Iqbal, A.](#)

Electric Power Components and Systems, 2024

Conference Paper

Prediction of EV charging & Impact analysis on Indian Grid

[Patel, B.K.M.](#), [Prajapati, H.](#), [Mokariya, K.L.](#)

AIP Conference Proceedings, 2023

Conference Paper

Parametric Current Trends on Pulsating Heat Pipes – A Review

[Makwana, K.](#), [Parmar, K.](#), [Parwani, A.K.](#), [Tripathi, S.](#)

AIP Conference Proceedings, 2023

Conference Paper • *Open access*

Effect of Hydrogen Induction and Neem Oil Biodiesel blending on Performance of 4 Cylinder 4 Stroke Indirect Injection CI Engine

[Parmar, K.](#), [Nityam, O.](#)

AIP Conference Proceedings, 2023

Conference Paper

A Comprehensive Review of the Impact of Electric Vehicles on Loss Reduction and Voltage Profile Improvement

[Jain, M.V.](#), [Gajjar, R.R.](#)

AIP Conference Proceedings, 2023

Conference Paper

Infrared Thermography for Monitoring Friction Stir Welding – A Review

[Zalawadia, J.C.](#), [Soman, S.N.](#)

AIP Conference Proceedings, 2023

Conference Paper

[A Preliminary study on Heat Pipe Solar Evacuated Tube Collector using Nano fluid as a performance parameter for heat transfer enhancement](#)

[Desai, S.](#), [Subhedar, D.G.](#)

AIP Conference Proceedings, 2023

Article

[Solar energy harvesting to optimise the power constraints in 5G systems](#)

[Kiran, N.C.](#), [Senthilkumar, S.](#), [Satish, G.](#), ...[al-Ammar, E.A.](#), [Iqbal, A.](#)

Optical and Quantum Electronics, 2023

Article • *Open access*

[Selection of optimum renewable energy sources under smart city environment for energy management and planning: An eclectic decision](#)

[Bhowmik, C.](#), [Khare, M.](#), [Mewada, B.G.](#), [Chatterjee, P.](#), [Demir, G.](#)

Reports in Mechanical Engineering, 2023

Article

[Strategies for development of smart and green products using Blockchain-IoT integrated architecture](#)

[Rane, S.B.](#), [Potdar, P.R.](#), [Aware, S.](#)

Operations Management Research, 2023

Article • *Open access*

[A tailored polyoxometalate-derived RuW/g-C₃N₄-based electrocatalyst for enhanced hydrogen evolution reaction](#)

[Pathan, S.](#), [Ankitha, M.](#), [Mohan, A.A.](#), ...[Tong, Y.](#), [Rasheed, P.A.](#)

Materials Advances, 2023

Review • *Open access*

[A critical review on sustainable hazardous waste management strategies: a step towards a circular economy](#)

[Kumar, A.](#), [Thakur, A.K.](#), [Kumar Gaurav, G.K.](#), ...[Pant, K.K.](#), [Kumar, R.](#)

Environmental Science and Pollution Research, 2023

Article • *Open access*

[Six-Segment Strategy for Prosumers' Financial Benefit Maximization in Local Peer-to-Peer Energy Trading](#)

[Mochi, P.](#), [Pandya, K.S.](#), [Faia, R.](#), [Soares, J.P.](#)

Mathematics, 2023

Article

[Discrete-time prediction based event-triggered controller design: An application to networked multi-area power system with time delays](#)

[Anand, S.](#), [Kumar, M.](#), [Kumar, S.](#), [Arkdev](#),
IFAC Journal of Systems and Control, 2023

Article • *Open access*

[Influence of Nutrients in Microalgae Cultivation by SEM and EDX Evaluation](#)

[Pandya, K.](#), [Upadhye, V.J.](#), [Shrivastav, A.](#)
Journal of Natural Remedies, 2023

Book Chapter

[Low-energy network protocols](#)

[Kathiriya, H.J.](#), [Bavarva, A.A.](#), [Sorathiya, V.P.](#)
Recent Trends and Best Practices in Industry 4.0, 2023

Article

[Multilayered gold, MgF₂ and tungsten based ultra wide band infrared absorber for solar cell applications](#)

[El-Hageen, H.M.M.](#), [Sorathiya, V.P.](#), [Lavadiya, S.](#), ...[Alfaifi, Y.H.](#), [Zaki Rashed, A.N.](#)
Materials Chemistry and Physics, 2023

Article

[Efficient MPPT Controller for Solar PV System Using GWO-CS Optimized Fuzzy Logic Control and Conventional Incremental Conductance Technique](#)

[Chauhan, U.](#), [Chhabra, H.](#), [Rani, A.](#), [Kumar, B.V.V.N.](#), [Singh, V.](#)
Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2023

Article

[Highly Active and Dispersed Pd Nanoparticles Stabilized by Lacunary Phosphomolybdate: Synthesis, Characterization, and Liquid Phase Hydrogenation of Levulinic Acid to \$\gamma\$ -Valerolactone](#)

[Patel, A.U.](#), [Patel, J.R.](#), [Pathan, S.](#)
Inorganic Chemistry, 2023

Article • *Open access*

[Modelling the Construction Projects Implementation Barriers: A Structure Equation Modelling Approach](#)

[Almakayeel, N.M.](#), [Buniya, M.K.](#), [Abubakar, A.S.](#), ...[Qureshi, K.M.R.](#), [Qureshi, M.R.N.](#)
Buildings, 2023

Review

[Microbial Fuel Cell–Based Biosensors and Applications](#)

[Varshney, A.](#), [Sharma, L.](#), [Pandit, C.M.](#), ...[Nag, M.](#), [Upadhye, V.J.](#)
Applied Biochemistry and Biotechnology, 2023

Article

Numerical investigation of ultrawideband solar wave absorber with multiring resonator gold and composited MgF2-Tungsten substrate

[Ganesan, M.](#), [Govindaraju, C.](#), [Sorathiya, V.P.](#), [Lavadiya, S.](#)
Optik, 2023

Article

Analyzing the Public Opinion as a Guide for Renewable-Energy Status in Malaysia: A Case Study

[Qazi, A.](#), [Bhowmik, C.](#), [Hussain, F.](#), ...[Gumaei, A.H.](#), [Al-Rakhami, M.S.](#)
IEEE Transactions on Engineering Management, 2023

Conference Paper

Residential Electric Vehicle Charging Station Using the Internet of Things

[Panchbhai, A.V.](#), [Ramakrishnan, R.](#), [Thacker, C.B.](#), [Muthumarilakshmi, S.](#), [Murugan, S.](#)
2023 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2023, 2023

Conference Paper

Comparative Analysis of Passive, Active, and Hybrid Active Filters for Power Quality Improvement in Grid-Connected Photovoltaic System

[Barva, A.V.](#), [Joshi, S.](#)
2023 7th International Conference on Computer Applications in Electrical Engineering-Recent Advances: Sustainable Transportation Systems, CERA 2023, 2023

Conference Paper

Optimizing System Costs in Local Electricity Market through Peer-to-Peer Energy Trading: Impact of Photovoltaic and Battery Storage Adoption

[Mochi, P.](#), [Pandya, K.S.](#), [Soares, J.P.](#), [Faia, R.](#)
2023 International Conference on Energy, Materials and Communication Engineering, ICEMCE 2023, 2023

Conference Paper

Integrating Fuzzy Logic with LDR Sensors for Optimized Solar Energy Harvesting in Sun-Tracking Systems

[Jalluri, S.R.](#), [Tripathi, R.K.](#), [Vijayan, V.](#), ...[Vishwath, N.C.](#), [Das, S.K.](#)
2023 International Conference on Communication, Security and Artificial Intelligence, ICCSAI 2023, 2023

Conference Paper

Combination Double Coordinate Solar Monitoring Sensor Device with Low Energy Consumption

[Khankal, D.V.](#), [Das, D.](#), [Singh, V.K.](#), ...[Sunil, D.M.](#), [Vishwath, N.C.](#)
2023 International Conference on Communication, Security and Artificial Intelligence, ICCSAI 2023, 2023

Conference Paper

Energy Monitoring in Solar-Powered Buildings Using Internet of Things

[Ramakrishnan, R.](#), [Muthumarilakshmi, S.](#), [Jethava, G.](#), ...[Lalitha, M.P.](#), [Murugan, S.](#)
2023 2nd International Conference on Smart Technologies for Smart Nation, SmartTechCon 2023, 2023

Conference Paper

Smart Biking: IoT-Connected Cycling Gear for Training and Safety

[Mohan Kumar, S.](#), [Ramakrishnan, R.](#), [Barve, A.](#), [Mohanty, A.](#), [Muthulekshmi, M.](#)
2023 2nd International Conference on Smart Technologies for Smart Nation, SmartTechCon 2023, 2023

Conference Paper

Cloud-Based Solar Lights for Sustainable Cities: Real-time Monitoring and Energy Efficiency Solutions

[Ramakrishnan, R.](#), [Presitha Aarthi, M.](#), [Vekariya, D.](#), [Naikade, K.](#), [Sujatha, S.](#)
2023 2nd International Conference on Smart Technologies for Smart Nation, SmartTechCon 2023, 2023

Article

Synthesis and characterization of biodegradable seaweed-based paper battery for sustainable energy storage

[Dharamsi, P.](#), [Patel, V.S.](#), [Joshi, U.A.](#), ...[Prakash, C.](#), [Singh, B.](#)
Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2023

Conference Paper

IoT based Volcano Multipara meter Surveillance Method

[Patel, P.K.](#), [Kumar Pandey, A.K.](#)
2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2023, 2023

Conference Paper

Comparative Analysis of Perturb & Observe, Incremental Conductance and Fuzzy Logic Based Maximum Power Point Tracking Methods

[Nazirbhai, M.N.](#), [Gajjar, R.R.](#)
2023 IEEE Renewable Energy and Sustainable E-Mobility Conference, RESEM 2023, 2023

Article

Implementing and Analyzing the Agricultural Consequences of Olive Wastewater Digestate on Crop Growth

[Singhal, S.](#), [Upadhye, V.J.](#), [Wadhwa, D.](#)
International Journal of Chemical and Biochemical Sciences, 2023

Conference Paper

Frequency Stability Analysis in Islanded Microgrid via Sliding Mode

[Arkdev](#), [Barva, A.V.](#), [Verma, V.K.](#), [Anand, S.](#)

2023 International Conference on Power, Instrumentation, Control and Computing, PICC 2023, 2023

Book Chapter

Cow farm wastes: A bioresource for sustainable development

[Saxena, D.](#), [Sandhwar, V.K.](#)

Bio-Based Materials and Waste for Energy Generation and Resource Management: Present and Emerging Waste Management Practices: Volume 5 of Advanced Zero Waste Tools, 2023

Book Chapter

Comprehensive Study on Next-Generation IoT: Energy-Efficient Green IoT

[Patel, M.](#), [Shah, P.V.](#), [Patel, R.](#), [Swaminarayan, P.R.](#), [Vaghela, R.](#)

Intelligent Green Communication Network for Internet of Things, 2023

Conference Paper

A numerical investigation of ultrawideband metamaterial absorber for infrared wavelength spectrum for the solar cell application

[Sorathiya, V.P.](#), [Lavadiya, S.](#)

Proceedings of SPIE - The International Society for Optical Engineering, 2023

Book

Climate Change and Sustainable Development

[Fulekar, M.H.](#), [Dubey, R.S.](#)

Climate Change and Sustainable Development, 2023

Conference Paper

Trust aware secure energy efficient hybrid protocol for MANET

[Jha, A.](#), [Vivek, V.](#), [Gupta, P.](#), ...[Singh, P.D.](#), [Iyengar, N.C.S.N.](#)

2023 International Conference on Artificial Intelligence and Smart Communication, AISC 2023, 2023

Conference Paper

Millimeter Wave Overmoded Circular Waveguide Tapers for ECRH Applications

[Bhatt, P.](#), [Patel, A.V.](#), [Mahant, K.K.](#), [Sathyanarayana, K.](#), [Kulkarni, S.V.](#)

Lecture Notes in Electrical Engineering, 2023

Review • Open access

Status of Coal-Based Thermal Power Plants, Coal Fly Ash Production, Utilization in India and Their Emerging Applications

[Yadav, V.K.](#), [Gacem, A.](#), [Choudhary, N.](#), ...[Barik, D.](#), [Islam, S.](#)
Minerals, 2022

Book Chapter

[Pretreatment of lignocellulosic biomass and 2G ethanol](#)

[Panchal, H.J.](#), [Kumar, K.](#)

Biomass and Bioenergy Solutions for Climate Change Mitigation and Sustainability, 2022

Article

[Impact of cathode biofouling in microbial fuel cells and mitigation techniques](#)

[Kolajo, O.O.](#), [Pandit, C.M.](#), [Thapa, B.S.](#), ...[Nag, M.](#), [Upadhye, V.J.](#)

Biocatalysis and Agricultural Biotechnology, 2022

Article

[Green Energy Sources Selection for Sustainable Planning: A Case Study](#)

[Bhowmik, C.](#), [Bhowmik, S.](#), [Ray, A.](#)

IEEE Transactions on Engineering Management, 2022

Review • *Open access*

[Synergistic Role of Plant Extracts and Essential Oils against Multidrug Resistance and Gram-Negative Bacterial Strains Producing Extended-Spectrum \$\beta\$ -Lactamases](#)

[Alam, M.](#), [Bano, N.](#), [Ahmad, T.](#), ...[Rauf, M.A.](#), [Saeed, M.A.](#)
Antibiotics, 2022

Review

[Monitoring lipids profile, CO₂ fixation, and water recyclability for the economic viability of microalgae *Chlorella vulgaris* cultivation at different initial nitrogen](#)

[Farooq, W.A.](#), [Naqvi, S.R.](#), [Sajid, M.](#), [Shrivastav, A.](#), [Kumar, K.](#)
Journal of Biotechnology, 2022

Book Chapter

[Applications of Metagenomics in Microbial Diversity and Function Analysis: Recent Trends and Advances](#)

[Savalia, H.J.](#), [Shrivastav, A.](#)

Omics Insights in Environmental Bioremediation, 2022

Book Chapter

[Application of Biochar for Soil Remediation](#)

[Parmar, S.](#), [Daki, S.](#), [Shrivastav, A.](#)

Biochar and its Application in Bioremediation, 2022

Conference Paper

[Acoustic Sensor Networks: An Energy Efficient Grey Wolf Optimization Algorithm development for underwater networks](#)

[Vanitha, V.](#), [Barve, A.](#), [Singh, A.](#), ...[Dwivedi, R.K.](#), [Vishwath, N.C.](#)

International Interdisciplinary Humanitarian Conference for Sustainability, IIHC 2022 - Proceedings, 2022

Article • *Open access*

[Energy Efficiency Based Load Balancing Optimization Routing Protocol In 5G Wireless Communication Networks](#)

[Paikaray, D.](#), [Chhabra, D.](#), [Sharma, S.](#), ...[Shashikala, H.K.](#), [Jethava, G.](#)

International Journal of Communication Networks and Information Security, 2022

Article • *Open access*

[Comparative Analysis of Procedures and Solutions to Improve Energy Efficiency of Massive MIMO](#)

[Phogat, R.S.](#), [Joshi, R.C.](#)

International Journal of Electronics and Telecommunications, 2022

Conference Paper • *Open access*

[ETAP Simulations of Adaptive Overcurrent Protection Scheme for Distribution Network with Microgrids](#)

[Palayil, P.J.](#), [Desai, I.M.](#), [Mangrolia, D.](#)

International Conference on Smart Cities and Green ICT Systems, SMARTGREENS - Proceedings, 2022

Conference Paper

[A Review of EV Converters Performance during V2G/G2V mode of Operation](#)

[Patel, M.R.](#), [Shah, A.P.](#), [Chudasama, K.J.](#), [Jadhav, G.J.](#)

2022 3rd International Conference for Emerging Technology, INCET 2022, 2022

Conference Paper

[Modelling and Performance analysis of Grid Connected Solar PV System](#)

[Bhagat, R.J.](#), [Dave, D.](#), [Sahoo, S.](#)

Proceedings of the International Conference on Electronics and Renewable Systems, ICEARS 2022, 2022

Conference Paper

[Comprehensive Analysis on Multilevel Cascaded H Bridge Inverters](#)

[Mirchiwala, M.](#), [Dattesh, K.](#), [Karvat, D.](#)

Proceedings of the International Conference on Electronics and Renewable Systems, ICEARS 2022, 2022

Article

[Recent advances in modeling and simulation techniques used in analysis of solar air heater having ribs](#)

[Yadav, A.S.](#), [Shukla, O.P.](#), [Singh Bhadoria, R.](#)

Materials Today: Proceedings, 2022

Conference Paper

Grid Integration of Distributed Generation: Issues and Challenges

[Malik, S.](#), [Modi, B.](#), [Mangrolia, D.](#)

2022 International Conference for Advancement in Technology, ICONAT 2022, 2022

Article

CFD analysis of heat transfer performance of ribbed solar air heater

[Yadav, A.S.](#), [Shukla, O.P.](#), [Sharma, A.O.](#), [Khan, I.A.](#)

Materials Today: Proceedings, 2022

Article

Cadmium phytoremediation potential of Deenanath grass (*Pennisetum pedicellatum*) and the assessment of bacterial communities in the rhizospheric soil

[Kumar, P.S.](#), [Fulekar, M.H.](#)

Environmental Science and Pollution Research, 2022

Review

Nanocrystals-A Substantial Platform for Drug Delivery Applications

[Patel, A.](#), [Dharamsi, A.T.](#)

Current Nanomedicine, 2021

Article

Selection of optimum green energy sources by considering environmental constructs and their technical criteria: a case study

[Bhowmik, C.](#), [Bhowmik, S.](#), [Ray, A.](#)

Environment, Development and Sustainability, 2021

Conference Paper

Improving Cloud Integrated Sensor Network Architecture, Applications Challenges

[Patel, P.K.](#), [Dave, D.P.](#), [Solanki, K.H.](#), [Modi, K.J.](#)

Proceedings - 5th International Conference on Computing Methodologies and Communication, ICCMC 2021, 2021

Review

Damage detection of wind turbine system based on signal processing approach: a critical review

[Kumar, R.](#), [Ismail, M.A.](#), [Zhao, W.](#), ...[Kumar, J.](#), [Balodi, A.](#)

Clean Technologies and Environmental Policy, 2021

Book Chapter

Microorganism: an ecofriendly tool for waste management and environmental safety

[Parmar, S.](#), [Daki, S.](#), [Bhattacharya, S.](#), [Shrivastav, A.](#)

Development in Wastewater Treatment Research and Processes: Innovative Microbe-Based Applications for Removal of Chemicals and Metals in Wastewater Treatment Plants, 2021

Book Chapter

Biofuels and bioproducts from seaweeds

[Nagula, K.N.](#), [Sati, H.](#), [Trivedi, N.](#), [Reddy, C.R.](#)

Advanced Biofuel Technologies: Present Status, Challenges and Future Prospects, 2021

Book Chapter

Comparative Analysis of MCDM Methods for the Evaluation of Optimum Green Energy Sources: Case Study

[Bhowmik, C.](#), [Dhar, S.](#), [Ray, A.](#)

Research Anthology on Clean Energy Management and Solutions, 2021

Book Chapter

An Integrated Entropy-TOPSIS Methodology for Evaluating Green Energy Sources

[Bhowmik, C.](#), [Kaviani, M.A.](#), [Ray, A.](#), [Ocampo, L.A.](#)

Research Anthology on Clean Energy Management and Solutions, 2021

Book Chapter

Membrane bioreactors for wastewater treatment

[Gadkari, J.](#), [Shrivastav, A.](#), [Bhattacharya, S.](#)

Membrane-based Hybrid Processes for Wastewater Treatment, 2021

Article

Ultrasound-assisted one-pot synthesis of tetrahydropyrimidine derivatives through biginelli condensation: A catalyst free green chemistry approach

[Patel, A.D.](#), [Shah, J.](#), [Patel, K.](#), ...[Patel, H.](#), [Bambharoliya, T.](#)

Letters in Organic Chemistry, 2021

Article

An integrated entropy-TOPSIS methodology for evaluating green energy sources

[Bhowmik, C.](#), [Kaviani, M.A.](#), [Ray, A.](#), [Ocampo, L.A.](#)

International Journal of Business Analytics, 2020

Article

Impact, cause and trend: India's trade of crude and petroleum products

[Latief, N.F.](#), [Chauhan, R.](#), [Thakar, I.](#), [Maselena, A.](#), [Wahyudi, A.](#)

International Journal of Advanced Science and Technology, 2020

Conference Paper

Structural, vibrational and electronic properties of D0₃FeNi₃

[Pandya, N.Y.](#), [Mevada, A.D.](#), [Gajjar, P.N.](#)

Materials Today: Proceedings, 2020

Book Chapter

Oral controlled release systems: Current strategies and challenges

[Bhatt, P., Patel, D.H., Patel, A., Patel, A.S., Nagarsheth, A.](#)

Novel Drug Delivery Technologies: Innovative Strategies for Drug Re-positioning, 2020

Conference Paper

Grid Integration of Solar PV System

[Dhruv, V., Richa, C., Afasana, A., ...Gajjar, R.R., Rajen, P.](#)

Lecture Notes in Electrical Engineering, 2020

Article

Comparative analysis of MCDM methods for the evaluation of optimum green energy sources: A case study

[Bhowmik, C., Dhar, S., Ray, A.](#)

International Journal of Decision Support System Technology, 2019

Book Chapter

Plant oil biodiesel: Technologies for commercial production, present status and future prospects

[Pathak, A.N., Talan, A., Gaurav, K.](#)

Plant Biotechnology: Progress in Genomic Era, 2019

Conference Paper

A Review on Energy Conservation in Manufacturing industry

[Trivedi, V., Bhatt, N.](#)

Proceedings of the 2018 International Conference on Current Trends towards Converging Technologies, ICCTCT 2018, 2018

Conference Paper

Assessment of resource potential and feasibility study of standalone PV - Wind-biogas hybrid system for rural electrification

[Abaye, A.E., Haro, R.D.](#)

2018 2nd International Conference on Electronics, Materials Engineering and Nano-Technology, IEMENTech 2018, 2018

Conference Paper

Simulation and feasible analysis of system standalone PV-Wind hybrid system for rural electrification

[Abaye, A.E., Paliwal, R.K.](#)

2018 3rd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2018 - Proceedings, 2018

Conference Paper

Environmental Aging Effect and Geotechnical Stabilization of Organic Waste on Soil

[Hasilkar, N.B., Shweta, M., Parmar, M., Rathod, P., Patel, R.](#)

Sustainable Civil Infrastructures, 2018

Conference Paper

Design of LVRT capability for grid connected PV system

Bhangale, S.S., Patel, N.

2017 International Conference on Intelligent Computing, Instrumentation and Control Technologies, ICICICT 2017, 2017

Conference Paper

IoT based home appliances control

Dhobi, P.A., Tevar, N.

Proceedings of the International Conference on Computing Methodologies and Communication, ICCMC 2017, 2017

Conference Paper

Series voltage injection strategy for reactive power compensation of HVDC rectifier station

Darji, K., Bhavsar, F.M.

1st IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems, ICPEICES 2016, 2017

Article • *Open access*

Systematic approach for the formulation and optimization of solid lipid nanoparticles of efavirenz by high pressure homogenization using design of experiments for brain targeting and enhanced bioavailability

Gupta, S., Kesarla, R., Chotai, N.P., Misra, A.N., Omri, A.W.

BioMed Research International, 2017

Conference Paper

Design and operational constraints of NEA +800kV, 6000MW UHVDC bipolar system

Patel, M.M., Yadav, V.K.

2017 Innovations in Power and Advanced Computing Technologies, i-PACT 2017, 2017

Conference Paper

Optimize performance of Interior Permanent Magnet Synchronous Motor for electric vehicles transportation system

Gajjar, R.R., Parekh, B.R.

2016 IEEE International Conference on Intelligent Transportation Engineering, ICITE 2016, 2016

Article • *Open access*

Liquisolid tablets for dissolution enhancement of a hypolipidemic drug

Patel, D.S., Pipaliya, R.M., Surti, N.I.

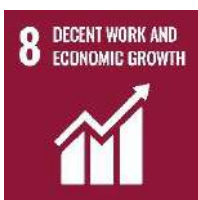
Indian Journal of Pharmaceutical Sciences, 2015

Conference Paper

Design of multiphase induction motor for electric ship propulsion

Nanoty, A.S., Chudasama, A.R.

2011 IEEE Electric Ship Technologies Symposium, ESTS 2011, 2011



SDG 8: Decent Work and Economic Growth

Article

[Navigating the landscape of precision horticulture: Sustainable agriculture in the digital Age](#)

[Kumar, S.](#), [Wani, A.W.](#), [Kaushik, R.](#), ...[Yadav, K.K.](#), [Wani, A.K.](#)
Scientia Horticulturae, 2024

Review

[Nanoparticles Mediated Salt Stress Resilience: A Holistic Exploration of Physiological, Biochemical, and Nano-omics Approaches](#)

[Singh, A.](#), [Rajput, V.D.](#), [Agrawal, S.](#), ...[Papadakis, M.N.](#), [Athanasios, A.T.](#)
Reviews of Environmental Contamination and Toxicology, 2024

Article

[A review on e-waste contamination, toxicity, and sustainable clean-up approaches for its management](#)

[Kumar, P.S.](#), [Singh, S.](#), [Gacem, A.](#), ...[Tariq, M.](#), [Waqas Alam, M.W.](#)
Toxicology, 2024

Article

[Design and modeling to identify a defective workpiece in manufacturing process: an industry 4.0 perspective](#)

[Pasi, B.N.](#), [Dongare, P.V.](#), [Rawat, S.J.](#), ...[Kumar, S.](#), [Kumar, M.](#)
International Journal on Interactive Design and Manufacturing, 2024

Article • *Open access*

[Assessing Drivers Influencing Net-Zero Emission Adoption in Manufacturing Supply Chain: A Hybrid ANN-Fuzzy ISM Approach](#)

[Yadav, A.](#), [Sachdeva, A.K.](#), [Garg, R.K.](#), ...[Qureshi, M.R.N.](#), [Mansour, M.A.](#)
Sustainability (Switzerland), 2024

Article

[Metagenomic profiling of rhizosphere microbiota: Unraveling the plant-soil dynamics](#)

[Wani, A.K.](#), [Rahayu, F.](#), [Alkahtani, A.M.A.](#), ...[Rahayu, D.M.](#), [Singh, R.](#)
Physiological and Molecular Plant Pathology, 2024

Review • *Open access*

[Climate Change Impacts on Legume Physiology and Ecosystem Dynamics: A Multifaceted Perspective](#)

[Dave, K.P.](#), [Kumar, A.](#), [Dave, N.](#), ...[Yadav, A.](#), [Kaushik, P.](#)
Sustainability (Switzerland), 2024

Review • *Open access*

Nanoparticles in revolutionizing crop production and agriculture to address salinity stress challenges for a sustainable future

[Singh, A.](#), [Agrawal, S.](#), [Rajput, V.D.](#), ...[Papadakis, M.N.](#), [Athanasios, A.T.](#)
Discover Applied Sciences, 2024

Review

Zinc oxide nanoparticles influence on plant tolerance to salinity stress: insights into physiological, biochemical, and molecular responses

[Singh, A.](#), [Rajput, V.D.](#), [Lalotra, S.](#), ...[Mandzhieva, S.S.](#), [Athanasios, A.T.](#)
Environmental Geochemistry and Health, 2024

Book Chapter

Nanoparticles-based abiotic stresses management in the climate era for sustainable crop production

[Agrawal, S.](#), [Kumar, P.](#), [Das, R.](#), ...[Mishra, S.K.](#), [Tiwari, K.N.](#)
Sustainable Agriculture: Nanotechnology and Biotechnology for Crop Production and Protection, 2024

Article

Financial Inclusion Index and its Determinants among Asian Countries

[Bhall, R.](#), [Berwal, K.](#), [Bisla, M.](#), [Kumar, J.](#)
Indian Journal of Economics and Development, 2024

Article • *Open access*

Validation of Integrated Pest Management Modules against Piercing and Sucking Insect Pest of Rice

[Longkumer, I.Y.](#), [Ahmad, M.A.](#), [Choudhary, S.](#), [Laichattiwar, M.A.](#), [Bajia, R.](#)
Agricultural Science Digest, 2024

Article

Assessment of pharmacological activities of specialized metabolites of *Withania somnifera* (L.)

[Singh, M.](#), [Bhutani, S.](#), [Dinkar, N.](#), ...[Bukhari, N.A.W.](#), [Nisha Khanam, M.](#)
South African Journal of Botany, 2024

Article

HINDRANCE OF DIGITAL E-BANKING SERVICES: AN ANALYTICAL INVESTIGATION ON COOPERATIVE BANKING

[Patel, B.A.](#), [Patel, R.](#)
Library Progress International, 2024

Conference Paper

Hybrid Fuzzy Decision-Making Model

[Kumar, V.S.P.](#), [Saini, D.](#), [Rastogi, S.](#), ...[Verma, A.](#), [Meenakshi, R.](#)
2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024, 2024

Review

Trends of Nanobiosensors in Modern Agriculture Systems

[Kumar, P.](#), [Chugh, P.](#), [Ali, S.S.](#), ...[Bhatia, A.](#), [Kumar, R.](#)
Applied Biochemistry and Biotechnology, 2024

Conference Paper

Consequence Modeling, Analysis and Emergency Response Planning for Ammonia (NH₃) Releases in Urea Manufacturing Unit Using Aloha

[Saxena, P.](#), [Patel, R.](#), [Dohare, S.](#), [Saxena, P.](#)
AIP Conference Proceedings, 2023

Article

Microbial approaches for pharmaceutical wastewater recycling and management for sustainable development: A multicomponent approach

[Chauhan, B.](#), [Dodamani, S.S.](#), [Malik, S.](#), ...[Haque, S.](#), [Sayyed, R.Z.](#)
Environmental Research, 2023

Article • *Open access*

Acceleration of histopathological and biochemical defense patterns in mung bean with biopriming of *Amycolatopsis* sp. SND-1 against *Cercospora* leaf spot disease

[Basavarajappa, D.S.](#), [Kumar, R.S.](#), [Rudrappa, M.](#), ...[Kantli, G.B.](#), [Nayaka, S.](#)
Journal of King Saud University - Science, 2023

Book

Exploring culture and heritage through experience tourism

[Rawal, Y.S.](#), [Sinha, R.](#), [Mukherjee, S.K.](#), [Batabyal, D.](#)
Exploring Culture and Heritage Through Experience Tourism, 2023

Book Chapter

An introduction to nanoprimering for sustainable agriculture

[Agrawal, S.](#), [Das, R.](#), [Solanki, S.](#), ...[Mishra, S.K.](#), [Tiwari, K.N.](#)
Nanoprimering Approach to Sustainable Agriculture, 2023

Article • *Open access*

Modelling the Construction Projects Implementation Barriers: A Structure Equation Modelling Approach

[Almakayeel, N.M.](#), [Buniya, M.K.](#), [Abubakar, A.S.](#), ...[Qureshi, K.M.R.](#), [Qureshi, M.R.N.](#)
Buildings, 2023

Article

[A generalized payment policy for deteriorating items when demand depends on price, stock, and advertisement under carbon tax regulations](#)

[Chaudhari, U.B.](#), [Bhadoriya, A.](#), [Jani, M.Y.](#), [Sarkar, B.](#)

Mathematics and Computers in Simulation, 2023

Article • *Open access*

[ARTIFICIAL INTELLIGENCE AND BIG DATA ANALYTICS-BASED OPTIMIZATION OF CROP YIELDS IN SUSTAINABLE AGRICULTURE](#)

[Krishna, S.R.](#), [Kumar, R.](#), [Rose, J.D.](#), ...[Mehta, D.](#), [Ranadive, A.](#)

Carpathian Journal of Food Science and Technology, 2023

Conference Paper

[Robotic Weed Control and Biodiversity Preservation: IoT Solutions for Sustainable Farming](#)

[Ramakrishnan, R.](#), [Parvathy, P.R.](#), [Sapra, P.](#), [Sonule, V.B.](#), [Murugan, S.](#)

7th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2023 - Proceedings, 2023

Article

[Livestock Healthcare and Farmer Contentment: An Exploration of Economic and Social Determinants](#)

[Menaka, C.](#), [Kulkarni, B.G.](#), [Saraswat, N.](#)

Revista Electronica de Veterinaria, 2023

Conference Paper

[Computational Intelligence Router of Machine and Artificial Intelligence Learning for the Expansion of Agriculture's Manufacturing Sector](#)

[Ramakrishnan, R.](#), [Alanya-Beltran, J.](#), [Akram, S.V.](#), ...[Sanjay, C.P.](#), [Ponnusamy, R.](#)

2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2023, 2023

Conference Paper

[Deep Learning Solution to Various Issues of Finance, A Productive Research Approach](#)

[Ramakrishnan, R.](#), [Buddhi, D.](#), [Gor, M.](#), ...[Saini, D.](#), [Arias-Gonzales, J.L.](#)

2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2023, 2023

Article

[Maize Plant Leaf Disease Classification Using Supervised Machine Learning Algorithms](#)

[Patel, A.](#), [Mishra, R.](#), [Sharma, A.](#)

Fusion: Practice and Applications, 2023

Review • *Open access*

Dissecting WASH Assessment Tools and Recommending a Comprehensive Tool for Indian Healthcare Facilities

[Trivedi, P.](#), [Bhavsar, P.](#), [Saxena, D.B.](#), ...[Das, T.](#), [Yasobant, S.](#)

Risk Management and Healthcare Policy, 2023

Article

Global Warming Effects on Water Supplies and Productivity of Crops

[Mathur, M.](#), [Thaker, T.H.](#), [Saxena, S.](#)

International Journal of Chemical and Biochemical Sciences, 2023

Article

Both Inorganic and Organic Manures Impact Maize and its Long-Term Consequences on the Physical and Chemical Qualities of the Soil

[Tak, P.](#), [Rami, E.](#), [Negi, A.](#)

International Journal of Chemical and Biochemical Sciences, 2023

Article

An Intercultural Analysis on Farmers' Opinions and Intentions Regarding Global Warming

[Sharma, K.](#), [Patel, K.G.](#), [Yadav, U.](#)

International Journal of Chemical and Biochemical Sciences, 2023

Article

Impact of advertisements on retailer's inventory for time-varying perishable rate with preservation technology investment under customer return and trade credit policy

[Bhadoriya, A.](#), [Jani, M.Y.](#), [Sharma, S.K.](#), [Chaudhari, U.B.](#)

International Journal of Mathematics in Operational Research, 2023

Conference Paper

Plant-Pathogen Detection Using Different Machine Learning Techniques

[Kaka, B.](#), [Ganatra, A.P.](#)

ICSPC 2023 - 4th International Conference on Signal Processing and Communication, 2023

Conference Paper

Internet of Things (IoT) Exploratory Analysis in Strategic Management

[Ramachandran, K.K.](#), [Kumar, M.P.](#), [Singh, R.](#), ...[Pillai, B.G.](#), [Arias-Gonzales, J.L.](#)

Proceedings of the 17th INDIACom; 2023 10th International Conference on Computing for Sustainable Global Development, INDIACom 2023, 2023

Book Chapter

Climate Change-National Action Plan

[Rai, A.](#), [Fulekar, M.H.](#)

Climate Change and Sustainable Development, 2023

Book Chapter

Environment and Sustainable Development

[Rai, A.](#), [Fulekar, M.H.](#)

Climate Change and Sustainable Development, 2023

Book

Climate Change and Sustainable Development

[Fulekar, M.H.](#), [Dubey, R.S.](#)

Climate Change and Sustainable Development, 2023

Book Chapter

Climate Change-International Policies

[Rai, A.](#), [Fulekar, M.H.](#), [Dubey, R.S.](#)

Climate Change and Sustainable Development, 2023

Article • *Open access*

Abiotic stresses impact on major cereals and adaptation options - A review

[Gaikwad, D.J.](#), [Ubale, N.B.](#), [Pal, A.](#), ...[Ali, M.A.](#), [Maitra, S.](#)

Research on Crops, 2022

Article • *Open access*

ACC Deaminase Produced by PGPR Mitigates the Adverse Effect of Osmotic and Salinity Stresses in Pisum sativum through Modulating the Antioxidants Activities

[Gupta, A.](#), [Rai, S.](#), [Bano, A.](#), ...[Saeed, M.A.](#), [Pathak, N.](#)

Plants, 2022

Article

Combined Effect of Carbon Emission, Exchange Scheme, Trade Credit, and Advertisement Efforts in a Buyer's Inventory Decision

[Bhadoriya, A.](#), [Jani, M.Y.](#), [Chaudhari, U.B.](#)

Process Integration and Optimization for Sustainability, 2022

Book Chapter

Atmospheric bioaerosol

[Shirsat, S.S.](#), [Gangavane, S.C.](#), [Upadhye, V.J.](#), [Surwase, B.S.](#), [Kulkarni, G.Y.](#)

Atmospheric Aerosols: Properties, Sources and Detection, 2022

Review • *Open access*

Applications of Nanotechnology-Based Agrochemicals in Food Security and Sustainable Agriculture: An Overview

[Khan, F.](#), [Pandey, P.](#), [Upadhyay, T.K.](#)

Agriculture (Switzerland), 2022

Article • *Open access*

Did Covid-19 lockdown positively affect the urban environment and UN- Sustainable Development Goals?

[Nigam, R.](#), [Tripathi, G.](#), [Priya, T.](#), ...[Damásio, B.](#), [Kotha, M.](#)
PLoS ONE, 2022

Article • *Open access*

Accomplishing Sustainability in Manufacturing System for Small and Medium-Sized Enterprises (SMEs) through Lean Implementation

[Qureshi, K.M.R.](#), [Mewada, B.G.](#), [Alghamdi, S.Y.](#), ...[Qureshi, M.R.N.](#), [Mansour, M.A.](#)
Sustainability (Switzerland), 2022

Article

Effect of bioremediation technique on engineering properties of crude oil-contaminated soil

[Rathod, V.P.](#), [Parekh, H.H.](#), [Rajpura, P.D.](#), ...[Panchal, R.R.](#), [Upadhye, V.J.](#)
Biocatalysis and Agricultural Biotechnology, 2022

Article • *Open access*

Optimal Pricing Policies with an Allowable Discount for Perishable Items under Time-Dependent Sales Price and Trade Credit

[Jani, M.Y.](#), [Betheja, M.R.](#), [Bhadoriya, A.](#), ...[Abbas, M.A.E.](#), [Alqahtani, M.S.M.](#)
Mathematics, 2022

Conference Paper

IoT and ML based Irrigation System using KNN Algorithm

[Kumar Pandey, A.K.](#), [Patel, Y.](#)
Proceedings of 5th International Conference on Contemporary Computing and Informatics, IC3I 2022, 2022

Book Chapter

Contactless attendance system: A health-care approach to prevent spreading of Covid-19

[Yadav, A.R.](#), [Kumar, J.](#), [Anumeha,](#) [Agrawal, A.K.](#), [Kumar, R.](#)
Blockchain for 5G Healthcare Applications: Security and privacy solutions, 2022

Book Chapter

Microorganism: an ecofriendly tool for waste management and environmental safety

[Parmar, S.](#), [Daki, S.](#), [Bhattacharya, S.](#), [Shrivastav, A.](#)
Development in Wastewater Treatment Research and Processes: Innovative Microbe-Based Applications for Removal of Chemicals and Metals in Wastewater Treatment Plants, 2021

Article

A study on environmental education-a barefoot college model understanding

[Iqbal, M.](#), [Pandit, D.](#), [Chauhan, R.](#), [Susilawati, S.](#), [Patriani, Y.](#)
International Journal of Advanced Science and Technology, 2020

Article • *Open access*

[A critical appraisal of mode choice model of work trips](#)

[Javeed, F.A.](#), [Juremalani, J.R.](#), [Sanket, B.](#), [Dharmesh, J.R.](#)
International Journal of Engineering and Advanced Technology, 2019

Book Chapter

[Handling and utilisation of fly ash from thermal power plants](#)

[Nihalani, S.A.](#), [Mishra, Y.D.](#), [Meeruty, A.R.](#)
Circular Economy and Fly Ash Management, 2019

Article

[International migration: Major challenges and analysis of human resource management for supply chains](#)

[To Nguyen, Q.L.H.T.](#), [Nguyen, P.T.](#), [Chauhan, R.](#), ...[Vo, K.](#), [Phan, P.T.](#)
International Journal of Supply Chain Management, 2019

Article

[Effect of GDP with respect to the Nominal and Real GDP of India: 2014-‘15](#)

[Ayu Salmah, N.N.](#), [Chauhan, R.](#), [Valianti, R.M.](#), [Maseleno, A.](#)
Opcion, 2019

Article

[Effect of GDP with respect to the nominal and real GDP of India: 2014-‘15 | Efecto del PIB con respecto al PIB nominal y real de la India: 2014-‘15](#)

[Ayu Salmah, N.N.](#), [Chauhan, R.](#), [Valianti, R.M.](#), [Maseleno, A.](#)
Opcion, 2019

Article • *Open access*

[A resourceful methodology to profile indolic auxins produced by rhizo-fungi using spectrophotometry and HPTLC](#)

[Patel, D.S.](#), [Patel, A.](#), [Vora, D.](#), ...[Acharya, D.K.](#), [Goswami, D.](#)
3 Biotech, 2018



SDG 9: Industry, Innovation and Infrastructure

Review

[A comprehensive review on microalgal chromium detoxification in tannery wastewater: Paving the way for biobased products](#)

[Verma, P.](#), [Sirotiya, V.](#), [Rathore, R.](#), ...[Yadav, K.K.](#), [Vinayak, V.](#)
Process Safety and Environmental Protection, 2024

Article

[Design and modeling to identify a defective workpiece in manufacturing process: an industry 4.0 perspective](#)

[Pasi, B.N.](#), [Dongare, P.V.](#), [Rawat, S.J.](#), ...[Kumar, S.](#), [Kumar, M.](#)
International Journal on Interactive Design and Manufacturing, 2024

Review

[A review on parametric optimization of EDM process for nanocomposites machining: experimental and modelling approach](#)

[Matanda, B.K.](#), [Patel, V.S.](#), [Singh, B.](#), ...[Gupta, M.K.](#), [Kumar, S.](#)
International Journal on Interactive Design and Manufacturing, 2024

Review

[A systematic review on machining of nanocomposite: Present scenario and Future Prospects](#)

[Matanda, B.K.](#), [Patel, V.S.](#), [Joshi, U.A.](#), ...[Prakash, C.](#), [Prasad, R.N.](#)
International Journal on Interactive Design and Manufacturing, 2024

Book Chapter

[Newer dimension 4d- and 5d-printing opportunities in drug delivery to the skin](#)

[Gnanakani, S.P.E.](#), [Vijayalakshmi, R.](#)
3D Printing and Microfluidics in Dermatology: Innovations in Drug Delivery, 2024

Book Chapter

[Regulatory perspective on microfluidics in dermaceuticals](#)

[Yadav, K.](#), [Kirubakaran, J.J.](#), [Ebenezer, S.P.](#), ...[Sahu, P.K.](#), [Pradhan, M.](#)
3D Printing and Microfluidics in Dermatology: Innovations in Drug Delivery, 2024

Article • Open access

[Assessing Drivers Influencing Net-Zero Emission Adoption in Manufacturing Supply Chain: A Hybrid ANN-Fuzzy ISM Approach](#)

[Yadav, A.](#), [Sachdeva, A.K.](#), [Garg, R.K.](#), ...[Qureshi, M.R.N.](#), [Mansour, M.A.](#)
Sustainability (Switzerland), 2024

Article • *Open access*

Utilizing TGAN and ConSinGAN for Improved Tool Wear Prediction: A Comparative Study with ED-LSTM, GRU, and CNN Models

[Shah, M.](#), [Borade, H.](#), [Dave, V.K.](#), ...[Nair, P.](#), [Vakharia, V.](#)
Electronics (Switzerland), 2024

Article • *Open access*

Unlocking bioremediation potential: harnessing an indigenous bacterial consortium from effluent treatment plants for industrial wastewater treatment

[Rai, A.](#), [Yadav, V.K.](#), [Ali, D.](#), [Fulekar, M.H.](#)
Environmental Research Communications, 2024

Article

Optimizing compressive strength in sustainable concrete: a machine learning approach with iron waste integration

[Kumar Tipu, R.K.](#), [Batra, V.](#), [Suman, n.](#), ...[Pandya, K.S.](#), [Patel, G.A.](#)
Asian Journal of Civil Engineering, 2024

Review • *Open access*

Zeolite-based nanoparticles drug delivery systems in modern pharmaceutical research and environmental remediation

[Pandya, T.S.](#), [Patel, S.](#), [Kulkarni, M.](#), ...[Bhattacharya, S.](#), [Prajapati, B.G.](#)
Heliyon, 2024

Article • *Open access*

Achieving Net-Zero in the Manufacturing Supply Chain through Carbon Capture and LCA: A Comprehensive Framework with BWM-Fuzzy DEMATEL

[Yadav, A.](#), [Sachdeva, A.K.](#), [Garg, R.K.](#), ...[Qureshi, M.R.N.](#), [Mansour, M.A.](#)
Sustainability (Switzerland), 2024

Article

Fabrication and development of high temperature resisted bronze composites using 3D printed gate pattern through stir casting route

[David, P.](#), [Gopathy, V.](#), [Ravichandran, M.M.](#), ...[Al-Obaid, S.M.](#), [Hussein Salmen, S.](#)
Thermal Science and Engineering Progress, 2024

Review

Integrating intelligent machine vision techniques to advance precision manufacturing: a comprehensive survey in the context of mechatronics and beyond

[Patel, D.R.](#), [Oza, A.D.](#), [Kumar, M.](#)
International Journal on Interactive Design and Manufacturing, 2024

Book Chapter

Ecotech harmony: A case study of sustainable resource management through ai integration and online community engagement in the circular economy-insights from leading brands

[Thakkar, A.](#), [Zaveri, B.](#), [Mathewos, T.](#)

Utilizing Technology for Sustainable Resource Management Solutions, 2024

Article

Influence of Information Technology on Personalized Marketing and Customer Retention Strategies

[Deshmukh, S.B.](#), [Sharma, A.](#), [Dhole, V.](#), ...[Giri, U.](#), [Ganguly, I.](#)

Library Progress International, 2024

Article • *Open access*

EVALUATION OF CNSL DERIVATIVE AS ECO-FRIENDLY FLOW IMPROVER FOR INDIAN CRUDE OIL

[Patel, Z.](#), [Patel, J.](#), [Nagar, A.](#)

Rasayan Journal of Chemistry, 2024

Review • *Open access*

Perilous paradigm of graphene oxide and its derivatives in biomedical applications: Insight to immunocompatibility

[Ayreen, Z.](#), [Khatoon, U.](#), [Kirti, A.](#), ...[Suar, M.](#), [Verma, S.K.](#)

Biomedicine and Pharmacotherapy, 2024

Article

Experimental investigation of crest-to-crest wave spring and new lattice structure with enhanced load bearing capacity

[Venkata Subramanian, M.](#), [Singh, D.](#), [Kumar, R.R.](#), [Karsh, P.](#)

Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2024

Article • *Open access*

Investigating industry 4.0 technologies in logistics 4.0 usage towards sustainable manufacturing supply chain

[Qureshi, K.M.R.](#), [Mewada, B.G.](#), [Kaur, S.](#), ...[Alqahtani, M.M.](#), [Qureshi, M.R.N.](#)

Heliyon, 2024

Article

Controllable synthesis of high-yield magnetic nanomaterials assisted dye adsorbents from waste-water treatment and applications

[Sharma, K.](#), [Chakroborty, S.](#), [Pal, K.](#), ...[Abdullah, M.M.](#), [Albargi, H.B.](#)

Journal of Molecular Structure, 2024

Conference Paper

A development of the mobile application for repair and maintenance of vehicles

[Parmar, J., Bansal, V., Sahatiya, P.](#)
AIP Conference Proceedings, 2024

Conference Paper

[Review of Explicit dynamic analysis of incremental sheet forming for spiral tool path](#)

[Bhangdiya, G., Khanna, P., Gandhi, V.](#)
AIP Conference Proceedings, 2024

Conference Paper

[WASTE REDUCTION BY PDCA METHODOLOGY: A REVIEW](#)

[Yadav, S.M., Buch, V.R., Tomar, P.S.](#)
AIP Conference Proceedings, 2024

Conference Paper

[AR/VR/MR A Demand of AEC Industries 4.0](#)

[Upadhyay, U.](#)
AIP Conference Proceedings, 2024

Conference Paper

[A Literature Review on the Implementation of Lean Manufacturing Approach in Industry to Enhance Productivity of Hydraulic Filter Head](#)

[Hingrajiya, P., Mewada, B.G., Tomar, P.S.](#)
AIP Conference Proceedings, 2024

Book Chapter

[Regulatory approval and challenges in the digital era](#)

[Khristi, A., Gupta, V.](#)
Converging Pharmacy Science and Engineering in Computational Drug Discovery, 2024

Article

[Financial Inclusion Index and its Determinants among Asian Countries](#)

[Bhall, R., Berwal, K., Bisla, M., Kumar, J.](#)
Indian Journal of Economics and Development, 2024

Article

[Unveiling the potential of membrane in climate change mitigation and environmental resilience in ecosystem](#)

[Ahmad, T., Kumar, N., Kumar, A., ...Paswan, B.K., Qiblawey, H.](#)
Environmental Research, 2024

Article

[Structural insights into polyethylene terephthalate \(PET\)-degrading archaeal lipase enzyme: An insilico approach](#)

[Puri, P.](#), [Pandey, K.](#), [Khuman, A.K.](#), ...[Chaudhary, B.](#), [Singhal, B.](#)

Bioremediation Journal, 2024

Conference Paper

The Future of Work: Examining the Impact of AI/ML on Job roles, Organizational Structures, and Talent Management Practices

[Manoharan, G.](#), [Sharma, P.](#), [Chaudhary, V.](#), ...[Sharma, M.K.](#), [Lourens, M.E.](#)

TQCEBT 2024 - 2nd IEEE International Conference on Trends in Quantum Computing and Emerging Business Technologies 2024, 2024

Article

Policy Frameworks and Investment Needs for Scaling Oil and Gas Industry Decarbonization in Selected Niger Delta Fields

[Okoro, E.E.](#), [Ogali, O.I.](#), [Sanni, S.E.](#), [Oluchi, O.P.](#)

Petroleum and Coal, 2024

Article

USE OF BLOCKCHAIN FOR IoT APPLICATIONS, PLATFORMS, SYSTEMS, AND FRAMEWORKS

[Veerabhadraswamy, K.M.](#), [Siva Ranjani, M.D.](#), [Patel, W.D.](#), ...[Premanand, R.](#), [Rajaram, A.](#)

Journal of Environmental Protection and Ecology, 2024

Article

Polymer material framework for 3D printing using fusion deposition modelling

[Aravindan, M.K.](#), [Awasthi, K.K.](#), [Nair, P.S.](#), ...[Ulla, H.](#), [Barve, A.](#)

Progress in Additive Manufacturing, 2024

Article

Synthesis, characterization, theoretical, and experimental evaluation of novel imidazolone – based compounds as eco-friendly corrosion inhibitors for mild steel

[Ettahiri, W.](#), [El Moutaouakil Ala Allah, A.E.](#), [Lazrak, J.](#), ...[Ramli, Y.](#), [Taleb, M.](#)

Journal of Industrial and Engineering Chemistry, 2024

Conference Paper

The Intensive Model Design using FL for Smart HC System Design

[Ramakrishnan, R.](#), [Verma, A.](#), [Kumar, V.S.P.](#), ...[Pillai, B.G.](#), [Meenakshi, R.](#)

2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024, 2024

Conference Paper

Integration of Fuzzy Model with the IOT Model to Achieve Better Health(Medical) Care Design System

[Ramakrishnan, R.](#), [Kumar, V.S.P.](#), [Pillai, B.G.](#), ...[Rastogi, S.](#), [Meenakshi, R.](#)

2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024, 2024

Conference Paper

Modelling of Fuzzy Logic Based System for the Implementation of Model for Healthcare System with Accurate Prediction

[Kumar, V.S.P.](#), [Saini, D.](#), [Rastogi, S.](#), ...[Verma, A.](#), [Meenakshi, R.](#)

2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024, 2024

Review

Trends of Nanobiosensors in Modern Agriculture Systems

[Kumar, P.](#), [Chugh, P.](#), [Ali, S.S.](#), ...[Bhatia, A.](#), [Kumar, R.](#)

Applied Biochemistry and Biotechnology, 2024

Article

SECURING THE FUTURE: DEFENDING THE IoT ECOSYSTEM WITH SPARSE FUZZY NETWORKS

[Bagalkot, S.](#), [Valsalan, P.](#), [Patel, W.D.](#), ...[Patil, H.](#), [Rajaram, A.](#)

Journal of Environmental Protection and Ecology, 2024

Conference Paper

Permanent Magnet Synchronous Motor Control and Implementation of this Control into the Microprocessor and its Realization

[Rathnakar, G.](#), [Negi, H.S.](#), [Shashibhushan, G.](#), ...[Vekariya, D.](#), [Maranan, R.](#)

2024 International Conference on Intelligent Systems for Cybersecurity, ISCS 2024, 2024

Review

Value-Added Nanocellulose Valorized from Fruit Peel Waste for Potential Dermal Wound Healing and Tissue Regenerative Applications

[Datta, D.](#), [Prajapati, B.](#), [Jethva, H.](#), ...[Singh, S.K.](#), [Prajapati, B.G.](#)

Regenerative Engineering and Translational Medicine, 2024

Book

Edge Computational Intelligence for AI-Enabled IoT Systems

[Kulkarni, S.](#), [Dwivedi, J.N.](#), [Pramanta, D.](#), [Tanaka, Y.](#)

Edge Computational Intelligence for AI-Enabled IoT Systems, 2024

Conference Paper

Classification and detection of inconsistent data from a crash report in field of a GPON broadband access network using Artificial Intelligent Algorithms

[Anitha, C.](#), [Swati,](#), [Sumallika, T.](#), ...[Barve, A.](#), [Maranan, R.](#)

Proceedings - 2nd International Conference on Advancement in Computation and Computer Technologies, InCACCT 2024, 2024

Conference Paper

Robotic Solutions for Geothermal and Energy Sector Monitoring with IoT Random Forest Algorithm

[Baskar, V.V.](#), [Ramakrishnan, R.](#), [Kantilal, P.P.](#), ...[Vasmatkar, A.D.](#), [Suganya, J.](#)

Proceedings of the 2024 10th International Conference on Communication and Signal Processing, ICCSP 2024, 2024

Article • *Open access*

Rice Bran Particulates Reinforced Ipomoea Carnea Fiber Epoxy Composite for Engineering Application

[Thandavamoorthy, R.](#), [Mohanavel, V.](#), [Kannan, S.](#), ...[Ali Alharbi, S.](#), [Subpiramaniyam, S.](#)

Journal of Natural Fibers, 2024

Book Chapter

Electronic Nose and Its Applications

[Koralkar, N.V.](#), [Patel, G.M.](#)

Advanced Structured Materials, 2024

Article

Assessing the efficacy of machine learning models in hydroxyapatite nano-powder assisted electro discharge machining of Ti-6Al-4 V Grade-5 alloy

[Jain, P.](#), [Joshi, A.Y.](#), [Joshi, A.Y.](#)

International Journal on Interactive Design and Manufacturing, 2024

Conference Paper

Trends in Human-Robot Collaboration and Sustainable Automation for the Construction Industry

[Patel, S.N.](#), [Sharma, R.](#), [Patel, N.M.](#)

Lecture Notes in Networks and Systems, 2024

Article

Synthesis and Characterization of Copper Nanoparticles Using Plant Extract of Mentha piperita Leaves, Anethum graveolens L., and Calotropis procera

[Joshi, S.](#), [Mithawala, I.](#), [Savaliya, Y.](#), [Patil, R.](#)

Current Nanomedicine, 2024

Article

A Study on Individual Awareness and Perception Towards Blockchain Technology in India

[Ravichandra, T.](#), [Madaan, V.](#), [Sharma, A.](#), ...[Gumber, G.](#), [Khan, M.A.](#)

International Journal of Intelligent Systems and Applications in Engineering, 2024

Article

Photovoltaic fuzzy based modelling on defining energy efficient solar devices in industry 4.0

[Pavan Kumar, T.V.](#), [Taranath, N.L.](#), [Rahul, R.](#), ...[Metwally, A.S.M.](#), [Kalam, M.A.](#).
Optical and Quantum Electronics, 2024

Article

[AI-driven electro chromic materials and devices for nanofabrication in machine learning integrated environments](#)

[Prasanna, K.M.](#), [Shukla, A.](#), [Tamizarasu, K.](#), ...[Metwally, A.S.M.](#), [Aftab, S.](#).
Optical and Quantum Electronics, 2024

Article

[Influencing factors and prospects of electronic service implementation in higher educational institutions of Ethiopia](#)

[Tekaleng, D.](#), [Swaminarayan, P.R.](#).
Interactive Learning Environments, 2024

Book Chapter

[Microbial pigments: Overview and industrial perspective](#)

[Mishra, A.](#), [Srivastava, P.](#), [Singh, M.](#), ...[Soni, R.](#), [Suyal, D.C.](#).
Microbial Bioactive Compounds: Industrial and Agricultural Applications, 2023

Conference Paper

[To Understand the Significance of Financial Management in Construction Sector](#)

[Shah, S.](#), [Bachwani, D.](#).
AIP Conference Proceedings, 2023

Conference Paper

[Parametric Optimization of Biological Process for the Treatment of Textile Wastewater](#)

[Saxena, D.](#), [Sandhwar, V.K.](#), [Saxena, S.](#), [Saha, S.](#).
AIP Conference Proceedings, 2023

Conference Paper

[A Preliminary study on Heat Pipe Solar Evacuated Tube Collector using Nano fluid as a performance parameter for heat transfer enhancement](#)

[Desai, S.](#), [Subhedar, D.G.](#).
AIP Conference Proceedings, 2023

Article • Open access

[Selection of optimum renewable energy sources under smart city environment for energy management and planning: An eclectic decision](#)

[Bhowmik, C.](#), [Khare, M.](#), [Mewada, B.G.](#), [Chatterjee, P.](#), [Demir, G.](#).
Reports in Mechanical Engineering, 2023

Article

[Machine learning aided design and optimization of MEMS optical phased array with silicon micro mirrors for nanofabrication](#)

[Premalatha, S.](#), [Sharma, H.](#), [Vekariya, V.M.](#), ...[Metwally, A.S.M.](#), [Aftab, S.](#)
Optical and Quantum Electronics, 2023

Article

[Strategies for development of smart and green products using Blockchain-IoT integrated architecture](#)

[Rane, S.B.](#), [Potdar, P.R.](#), [Aware, S.](#)
Operations Management Research, 2023

Book Chapter

[Crackers](#)

[Tiwari, M.](#), [Tiwari, A.](#), [Kataria, A.](#), [Chauhan, K.](#)
Cereal-Based Food Products, 2023

Article • *Open access*

[Sustainable Manufacturing Supply Chain Performance Enhancement through Technology Utilization and Process Innovation in Industry 4.0: A SEM-PLS Approach](#)

[Qureshi, K.M.R.](#), [Mewada, B.G.](#), [Kaur, S.](#), ...[Almuflih, A.S.](#), [Qureshi, M.R.N.](#)
Sustainability (Switzerland), 2023

Article • *Open access*

[Photocatalytic Degradation of Methylene Blue from Aqueous Solutions by Using Nano-ZnO/Kaolin-Clay-Based Nanocomposite](#)

[Modi, S.](#), [Yadav, V.K.](#), [Ali, D.](#), ...[Patel, A.D.](#), [Fulekar, M.H.](#)
Water (Switzerland), 2023

Article

[Nanofabrication in polymeric materials with Raman scattering techniques based on noninvasive imaging for tumor precursor lesions](#)

[Singh, V.K.](#), [Nagappan, B.](#), [Kashyap, S.](#), ...[Balu, V.](#), [Rajput, M.](#)
Optical and Quantum Electronics, 2023

Book

[Exploring culture and heritage through experience tourism](#)

[Rawal, Y.S.](#), [Sinha, R.](#), [Mukherjee, S.K.](#), [Batabyal, D.](#)
Exploring Culture and Heritage Through Experience Tourism, 2023

Book Chapter

[Digital innovation in tourism and hospitality with artificial intelligence](#)

[Panjrolia, D.](#), [Panjrolia, D.](#), [Aacharya, K.](#)
Sustainable Development Goal Advancement Through Digital Innovation in the Service Sector, 2023

Review • *Open access*

[A critical review on sustainable hazardous waste management strategies: a step towards a circular economy](#)

[Kumar, A.](#), [Thakur, A.K.](#), [Kumar Gaurav, G.K.](#), ...[Pant, K.K.](#), [Kumar, R.](#)
Environmental Science and Pollution Research, 2023

Article

[Carbon pattern in polymeric nanofabrication for breast tumor molecular cell analysis using hybrid machine learning technique](#)

[Kiran, K.S.D.](#), [Kumar, G.](#), [Bhagat, A.K.](#), ...[Rajput, M.](#), [Sharma, M.](#)
Optical and Quantum Electronics, 2023

Article

[Integration of Lean Six Sigma with Internet of Things \(IoT\) for productivity improvement: a case study of contactor manufacturing industry](#)

[Rane, S.B.](#), [Wavhal, S.](#), [Potdar, P.R.](#)
International Journal of System Assurance Engineering and Management, 2023

Book Chapter

[An advanced project management technique for the indian construction industry: Critical chain project management](#)

[Bharadiya, R.](#), [Bachwani, D.](#), [Malek, M.S.](#)
Emerging Trends and Innovations in Industries of the Developing World: A Multidisciplinary Approach, 2023

Book Chapter

[Project management techniques for planning and scheduling: A general overview](#)

[Bachwani, D.](#), [Malek, M.S.](#), [Bharadiya, R.](#)
Emerging Trends and Innovations in Industries of the Developing World: A Multidisciplinary Approach, 2023

Book Chapter

[Review paper on LEAN construction techniques](#)

[Pipaliya, J.](#), [Malek, M.S.](#)
Emerging Trends and Innovations in Industries of the Developing World: A Multidisciplinary Approach, 2023

Article • *Open access*

[AI Chatbot Adoption in SMEs for Sustainable Manufacturing Supply Chain Performance: A Mediatonal Research in an Emerging Country](#)

[Panigrahi, R.R.](#), [Shrivastava, A.K.](#), [Qureshi, K.M.R.](#), ...[Almuflih, A.S.](#), [Qureshi, M.R.N.](#)
Sustainability (Switzerland), 2023

Book Chapter

[Applications of nano-fluids in the various engineering fields](#)

[Gaud, P.](#), [Sailaja, C.](#), [Prakash, K.J.](#), [Dwivedi, Y.D.](#), [Karthick, L.](#)

Sustainable Utilization of Nanoparticles and Nanofluids in Engineering Applications, 2023

Book Chapter

[Low-energy network protocols](#)

[Kathiriya, H.J.](#), [Bavarva, A.A.](#), [Sorathiya, V.P.](#)

Recent Trends and Best Practices in Industry 4.0, 2023

Book Chapter

[Patenting nanomaterials: Regulatory aspects](#)

[Patel, D.H.](#), [Talele, D.R.](#), [Khunt, D.M.](#), [Pardeshi, S.R.](#)

Nanomaterial-Based Drug Delivery Systems: Therapeutic and Theranostic Applications, 2023

Article

[Highly flexible and foldable broad band WSe₂/CuO heterostructure photodetector](#)

[Patel, R.P.](#), [Pataniya, P.M.](#), [Patel, M.](#), ...[Sahatiya, P.](#), [Sumesh, C.K.](#)

Sensors and Actuators A: Physical, 2023

Article

[Nanobioremediation: a bacterial consortium-zinc oxide nanoparticle-based approach for the removal of methylene blue dye from wastewater](#)

[Modi, S.](#), [Yadav, V.K.](#), [Amari, A.](#), ...[Igwegbe, C.A.](#), [Fulekar, M.H.](#)

Environmental Science and Pollution Research, 2023

Review

[Microbial Fuel Cell–Based Biosensors and Applications](#)

[Varshney, A.](#), [Sharma, L.](#), [Pandit, C.M.](#), ...[Nag, M.](#), [Upadhye, V.J.](#)

Applied Biochemistry and Biotechnology, 2023

Article • *Open access*

[INNOSERV: Generalized scale for perceived service innovation](#)

[Manohar, S.](#), [Paul, J.](#), [Strong, C.A.](#), [Mittal, A.](#)

Journal of Business Research, 2023

Article • *Open access*

[Analyzing Critical Success Factors of Lean 4.0 Implementation in Small and Medium Enterprises for Sustainable Manufacturing Supply Chain for Industry 4.0 Using PLS-SEM](#)

[Qureshi, K.M.R.](#), [Mewada, B.G.](#), [Buniya, M.K.](#), [Qureshi, M.R.N.](#)

Sustainability (Switzerland) , 2023

Article • *Open access*

[Assessing Lean 4.0 for Industry 4.0 Readiness Using PLS-SEM towards Sustainable Manufacturing Supply Chain](#)

[Qureshi, K.M.R.](#), [Mewada, B.G.](#), [Kaur, S.](#), [Qureshi, M.R.N.](#)
Sustainability (Switzerland), 2023

Book Chapter

Heat-Moisture Treatment of Starch

[Singh, R.](#), [Kumar, Y.](#), [Bist, Y.](#), ...[Shukla, M.](#), [Singh, A.](#)
Starch: Advances in Modifications, Technologies and Applications, 2023

Conference Paper

Blockchain Based Security Enabled Smart Contract for Energy Management

[Sharma, A.](#), [Patel, M.](#), [Choudhary, A.](#), [Kumar, G.](#)
16th International Conference on Security of Information and Networks, SIN 2023, 2023

Conference Paper

Why Big Data and Data Analytics for Smart City

[Dubey, S.](#), [Mishra, A.](#), [Verma, D.K.](#), ...[Dikshit, G.](#), [Gupta, N.](#)
Proceedings of the 2023 IEEE International Conference on Computer Vision and Machine Intelligence, CVMI 2023, 2023

Article • *Open access*

ARTIFICIAL INTELLIGENCE AND BIG DATA ANALYTICS-BASED OPTIMIZATION OF CROP YIELDS IN SUSTAINABLE AGRICULTURE

[Krishna, S.R.](#), [Kumar, R.](#), [Rose, J.D.](#), ...[Mehta, D.](#), [Ranadive, A.](#)
Carpathian Journal of Food Science and Technology, 2023

Conference Paper

Enhancing Student Support and Engagement with Natural Language Processing in Academic Chatbot's

[Patel, H.](#), [Vemuri, V.P.](#), [Kaur, J.](#), ...[Moharekar, T.T.](#), [Chakravarthi, M.K.](#)
*2023 10th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics
and Computer Engineering, UPCON 2023*, 2023

Conference Paper

Investigating Wireless Communication's Potential for Enhancing Automated Systems in Manufacturing Process

[Ramakrishnan, R.](#), [Joon, R.K.](#), [Kumar, K.S.](#), ...[Saini, D.](#), [Gor, M.](#)
*2023 10th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics
and Computer Engineering, UPCON 2023*, 2023

Conference Paper

Smart Supply Chain Management and Big Data Analysis Using Machine Learning in Industry 4.0

[Kediya, S.O.](#), [Santhanam, R.](#), [Kayande, R.A.](#), ...[Sure, Y.](#), [Disawal, V.](#)
*2023 International Conference on Communication, Security and Artificial Intelligence,
ICCSAI 2023*, 2023

Conference Paper

IoT and Real-time Data Analytics Optimize Greywater Recycling

[Ranganathan, C.S.](#), [Ramakrishnan, R.](#), [Parikh, S.M.](#), [Thakur, V.S.](#), [Sujatha, S.](#)
2023 2nd International Conference on Smart Technologies for Smart Nation, SmartTechCon 2023, 2023

Article

EMERGING NATIONS' LEARNING SYSTEMS AND THE COVID-19 PANDEMIC: AN ANALYSIS

[Prabhakar, A.](#), [Kapse, V.M.](#), [Patel, G.M.](#), ...[Singh, A.](#), [Kumar, A.K.S.](#)
Georgian Medical News, 2023

Article

Impact of mother's hypothyroidism on fetal development and outcomes: A systematic review

[Singh, A.](#), [Sathe, N.](#), [Rani, K.](#), ...[Patel, D.J.](#), [Renuka Jyothi, R.](#)
Georgian Medical News, 2023

Book Chapter

Membrane Based Technologies for Industrial Waste Management

[Varma, J.](#), [Zala, U.](#), [Upadhye, V.J.](#), [Pankaj, P.P.](#), [Shrivastav, A.](#)
Environmental Science and Engineering, 2023

Conference Paper

Impact of Machine Learning on Digital Pricing And Cryptocurrency Markets

[Marandi, A.K.](#), [Jethava, G.](#)
2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2023, 2023

Conference Paper

A Detailed Multi Regression Examination of the Precarious Role of AI in Ensured High-Performer CC Systems

[Bhagat, A.K.](#), [Shah, J.M.](#)
2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2023, 2023

Conference Paper

A New Method of Optical Spectrum Analysis for Advanced Wireless Communications

[Ramakrishnan, R.](#), [Kumar, R.](#), [Ghai, S.](#), ...[Raju, A.M.](#), [Barve, A.](#)
2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2023, 2023

Conference Paper

Mengers Authentication for efficient security system using Blockchain technology for Industrial IoT(IIoT) systems

[Vekariya, D.](#), [Rastogi, A.](#), [Priyadarshini, R.K.](#), ...[Kumar, M.S.](#), [Pant, B.](#)

2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2023, 2023

Conference Paper

Cloud Top Management Role in Reducing Mobile Broadband Transmission Hazards and Offering Safety

[Manjunath, C.R.](#), [Sharma, S.](#), [Sharma, A.](#), ...[Kelkar, S.](#), [Deshmukh, S.V.](#)

2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2023, 2023

Book Chapter

Bio and bio-based hybrid techniques for municipal wastewater treatment and resource recovery

[Sandhwar, V.K.](#), [Saxena, S.](#), [Joshi, U.A.](#), [Yadav, A.R.](#)

Resource Recovery in Municipal Waste Waters, 2023

Article

Efficacious elimination of salts from a convoluted ethylene glycol-water solution employing nanofiltration membranes

[Mehta, J.P.](#), [Panwar, D.S.](#), [Kohli, D.K.](#), ...[Gupta, N.K.](#), [Prakash, C.](#)

Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2023

Article • *Open access*

The utilization of artificial intelligence in life science research and healthcare delivery | Utilización de la inteligencia artificial en la investigación de las ciencias de la vida y la asistencia sanitaria

[Shah, H.](#), [Bhuvana, J.](#), [Mery, A.](#)

Salud, Ciencia y Tecnologia, 2023

Article

Laccase production from Bacillus sp. BAB-4151 using artificial neural network and genetic algorithm and its application for wastewater treatment

[Thomas, D.](#), [Gangawane, A.K.](#), [Sayyed, R.Z.](#), ...[Osama, K.](#), [Haque, S.](#)

Biomass Conversion and Biorefinery, 2023

Review • *Open access*

Revisiting the Green Synthesis of Nanoparticles: Uncovering Influences of Plant Extracts as Reducing Agents for Enhanced Synthesis Efficiency and Its Biomedical Applications

[Singh, H.](#), [Desimone, M.F.](#), [Pandya, S.R.](#), ...[Bazaid, A.S.](#), [Alderhami, S.A.](#)

International Journal of Nanomedicine, 2023

Review • Open access

Dissecting WASH Assessment Tools and Recommending a Comprehensive Tool for Indian Healthcare Facilities

[Trivedi, P.](#), [Bhavsar, P.](#), [Saxena, D.B.](#), ...[Das, T.](#), [Yasobant, S.](#)
Risk Management and Healthcare Policy, 2023

Article

Development of a Feasible Distillation Column for Extracting Ethyl Alcohol from Wastewater

[Desai, S.K.](#), [Sharma, M.](#), [Arya, S.](#)
International Journal of Chemical and Biochemical Sciences, 2023

Article

Impact of advertisements on retailer's inventory for time-varying perishable rate with preservation technology investment under customer return and trade credit policy

[Bhadoriya, A.](#), [Jani, M.Y.](#), [Sharma, S.K.](#), [Chaudhari, U.B.](#)
International Journal of Mathematics in Operational Research, 2023

Conference Paper

Role of Telemedicine in Healthcare Sector for Betterment of Smart City

[Sahatiya, P.](#), [Singh, D.K.](#)
Lecture Notes in Networks and Systems, 2023

Book Chapter

Biological-Based Methods for the Removal of VOCs and Heavy Metals

[Pathan, A.](#), [Shrivastav, A.](#)
Bio-Nano Filtration in Industrial Effluent Treatment: Advanced and Innovative Approaches, 2023

Book Chapter

Climate Change-International Policies

[Rai, A.](#), [Fulekar, M.H.](#), [Dubey, R.S.](#)
Climate Change and Sustainable Development, 2023

Conference Paper

A Survey of ML for the Physical Layer in 5G and Future Wireless Networks

[Parikh, S.M.](#), [Moharana, A.K.](#)
2023 International Conference on Artificial Intelligence and Smart Communication, AISC 2023, 2023

Conference Paper

An investigation on the role of artificial intelligence in scalable visual data analytics

[Ramakrishnan, R.](#), [Buddhi, D.](#), [Lakhera, G.](#), ...[Joshi, A.Y.](#), [Saini, D.](#)

2023 International Conference on Artificial Intelligence and Smart Communication, AISC 2023, 2023

Conference Paper

[A Comprehensive Analysis of 5G Security Core Technologies and Services: Conceptual Frameworks, Challenges, and Solutions](#)

[Bhagat, A.K.](#), [Gandhi, J.](#)

2023 International Conference on Artificial Intelligence and Smart Communication, AISC 2023, 2023

Conference Paper

[Network Security Concerns for Designing Robotic Systems: A Review](#)

[Ramakrishnan, R.](#), [Gupta, Z.](#), [Akram, S.V.](#), ...[Pillai, B.G.](#), [Chakravarthi, M.K.](#)

2023 International Conference on Artificial Intelligence and Smart Communication, AISC 2023, 2023

Conference Paper

[An implementation of virtual instruments for industries for the standardization](#)

[Kaur, H.](#), [Thacker, C.B.](#), [Singh, V.K.](#), ...[Patil, P.P.](#), [Gill, K.S.](#)

2023 International Conference on Artificial Intelligence and Smart Communication, AISC 2023, 2023

Conference Paper

[Innovative Cyber Security Solutions Built on Block chain Technology for Industrial 5.0 Applications](#)

[Ramachandran, K.K.](#), [Nagarjuna, B.](#), [Akram, S.V.](#), ...[Raju, A.M.](#), [Ponnusamy, R.](#)

2023 International Conference on Artificial Intelligence and Smart Communication, AISC 2023, 2023

Book Chapter

[Technological Impacts of AI on Hospitality and Tourism Industry](#)

[Sharma, S.](#), [Rawal, Y.S.](#), [Soni, H.](#), [Batabyal, D.](#)

Lecture Notes in Networks and Systems, 2023

Review • *Open access*

[LIPOSOMAL DRY POWDER INHALER: NOVEL PULMONARY TARGETED DRUG DELIVERY SYSTEM FOR THE TREATMENT OF LUNG CANCER](#)

[Patil, M.M.](#), [Patel, P.H.](#)

International Journal of Applied Pharmaceutics, 2023

Conference Paper

[Nurilo is a Social Platform for the Sale and Purchase Of Framework Products Using Blockchain And Cloud Computing](#)

[Kumar, A.](#), [Dabhi, A.](#), [Kharodawala, M.](#), [Khunti, K.](#)

Lecture Notes in Networks and Systems, 2023

Article

Combined Effect of Carbon Emission, Exchange Scheme, Trade Credit, and Advertisement Efforts in a Buyer's Inventory Decision

[Bhadoriya, A.](#), [Jani, M.Y.](#), [Chaudhari, U.B.](#)

Process Integration and Optimization for Sustainability, 2022

Book Chapter

Nanocomposites

[Xavier, F.](#)

Thermoplastic Polymer Composites: Processing, Properties, Performance, Applications and Recyclability, 2022

Article • *Open access*

Polyhydroxybutyrate (PHB)-Based Biodegradable Polymer from *Agromyces indicus*: Enhanced Production, Characterization, and Optimization

[Adnan, M.](#), [Siddiqui, A.J.](#), [Ashraf, S.A.](#), ...[Sachidanandan, M.](#), [Patel, M.B.](#)

Polymers, 2022

Article • *Open access*

Optimization of Elicitation Conditions to Enhance the Production of Potent Metabolite Withanolide from *Withania somnifera* (L.)

[Singh, M.](#), [Agrawal, S.](#), [Afzal, O.](#), ...[Elasbali, A.M.](#), [Khan, S.](#)

Metabolites, 2022

Review • *Open access*

Environmental and human health implications of metal(loid)s: Source identification, contamination, toxicity, and sustainable clean-up technologies

[Kumar, P.S.](#), [Gacem, A.](#), [Ahmad, M.T.](#), ...[Jeon, B.](#), [Cabral-Pinto, M.M.d.S.](#)

Frontiers in Environmental Science, 2022

Article • *Open access*

Exploring the Lean Implementation Barriers in Small and Medium-Sized Enterprises Using Interpretive Structure Modeling and Interpretive Ranking Process

[Qureshi, K.M.R.](#), [Mewada, B.G.](#), [Alghamdi, S.Y.](#), ...[Mansour, M.A.](#), [Qureshi, M.R.N.](#)

Applied System Innovation, 2022

Article • *Open access*

Accomplishing Sustainability in Manufacturing System for Small and Medium-Sized Enterprises (SMEs) through Lean Implementation

[Qureshi, K.M.R.](#), [Mewada, B.G.](#), [Alghamdi, S.Y.](#), ...[Qureshi, M.R.N.](#), [Mansour, M.A.](#)

Sustainability (Switzerland), 2022

Article • *Open access*

Investigations on presence of biopolymer producing microorganism in marine soils & enhanced potential of marine soil by using isolated microorganism

[Thakkar, R.B.](#), [Shah, K.](#), [Mehta, A.](#), ...[Upadhye, V.J.](#), [Panchal, R.R.](#)

Biointerface Research in Applied Chemistry, 2022

Article • *Open access*

Optimal Pricing Policies with an Allowable Discount for Perishable Items under Time-Dependent Sales Price and Trade Credit

[Jani, M.Y.](#), [Betheja, M.R.](#), [Bhadoriya, A.](#), ...[Abbas, M.A.E.](#), [Alqahtani, M.S.M.](#)

Mathematics, 2022

Review

Property-enhanced paraffin-based composite phase change material for thermal energy storage: a review

[Mishra, D.K.](#), [Bhowmik, C.](#), [Bhowmik, S.](#), [Pandey, K.M.](#)

Environmental Science and Pollution Research, 2022

Book Chapter

Biochar technology: A promising approach to mitigate environmental pollutants

[Reddy, S.](#), [Lakkakul, R.](#), [Hirapure, P.](#), [Upadhye, V.J.](#)

Synergistic Approaches for Bioremediation of Environmental Pollutants: Recent Advances and Challenges, 2022

Conference Paper

Design and Implementation of IoT-ML Based Data Management for Sustained System Integrity

[Kumari, A.](#), [Shah, H.](#)

Proceedings of 5th International Conference on Contemporary Computing and Informatics, IC3I 2022, 2022

Conference Paper

Examining How IP can be used to Find Patterns for Industrial Automation

[Kumari, A.](#), [Sapra, P.](#)

Proceedings of 5th International Conference on Contemporary Computing and Informatics, IC3I 2022, 2022

Conference Paper

IoT Framework for Manufacturing and Image Classification

[Anwar, S.R.](#), [Adhvaryu, R.](#)

Proceedings of the 2022 11th International Conference on System Modeling and Advancement in Research Trends, SMART 2022, 2022

Article • *Open access*

A case study of students' skill development through the project carried out for sustainable development of rural area for transformation to urbanization

Patel, V.N., Gandhi, V., Thummar, K., ...Oza, V.H., Jadeja, S.

Journal of Engineering Education Transformations, 2022

Book Chapter

Cloud Computing Infrastructure for Education System Development

Mehta, A.R., Patel, K., Solanki, K.H., Swaminarayan, P.R.

Cloud Computing Infrastructure for Enabling Future Technology Advancement, 2022

Conference Paper

Security and Challenges for Blockchain Integrated Fog-Enabled IoT Applications

Samanta, S., Sarkar, A., Sharma, A., Geman, O.

Lecture Notes in Networks and Systems, 2022

Conference Paper

Productivity Improvement in Foundry Using IoT

Patel, Y., Mewada, B.G., Tank, B.V., Tomar, P.S.

Lecture Notes in Mechanical Engineering, 2022

Article

Electrochemical discharge machining process: A review on process parameters and future scope

Oza, A.D., Goyal, A., Buch, V.R., Kumar, M.

Materials Today: Proceedings, 2022

Conference Paper

Emerging trends in robotic aided additive manufacturing

Shah, A.

Materials Today: Proceedings, 2022

Conference Paper

Improving Cloud Integrated Sensor Network Architecture, Applications Challenges

Patel, P.K., Dave, D.P., Solanki, K.H., Modi, K.J.

Proceedings - 5th International Conference on Computing Methodologies and Communication, ICCMC 2021, 2021

Book Chapter

Microorganism: an ecofriendly tool for waste management and environmental safety

Parmar, S., Daki, S., Bhattacharya, S., Shrivastav, A.

Development in Wastewater Treatment Research and Processes: Innovative Microbe-Based Applications for Removal of Chemicals and Metals in Wastewater Treatment Plants, 2021

Book Chapter

Importance and applications of biofilm in microbe-assisted bioremediation

[Gadkari, J.](#), [Bhattacharya, S.](#), [Shrivastav, A.](#)

Development in Wastewater Treatment Research and Processes: Innovative Microbe-Based Applications for Removal of Chemicals and Metals in Wastewater Treatment Plants, 2021

Book Chapter

STATUS, SCENARIO, SCOPE AND TRENDS OF AROMATIC MEDICINAL PLANTS

[Ali, M.I.](#), [Onyancha, W.](#), [Mathur, M.](#), ...[Sharma, G.](#), [Upadhyay, T.K.](#)

Aromatic Plants: The Technology, Human Welfare and Beyond, 2021

Book Chapter

Enzymatic decolorization and degradation of azo dyes

[Bharatbhai Vishani, D.](#), [Shrivastav, A.](#)

Development in Wastewater Treatment Research and Processes: Innovative Microbe-Based Applications for Removal of Chemicals and Metals in Wastewater Treatment Plants, 2021

Book Chapter

Insights on broad spectrum applications and pertinence of biofiltration in various fields

[Parmar, S.](#), [Shrivastav, A.](#), [Bhattacharya, S.](#)

An Innovative Role of Biofiltration in Wastewater Treatment Plants (WWTPs), 2021

Book Chapter

Membrane bioreactors for wastewater treatment

[Gadkari, J.](#), [Shrivastav, A.](#), [Bhattacharya, S.](#)

Membrane-based Hybrid Processes for Wastewater Treatment, 2021

Conference Paper

Green Supplier Selection: An Empirical Investigation

[Ghosh, S.](#), [Bhowmik, C.](#), [Mandal, M.C.](#), [Ray, A.](#)

Smart Innovation, Systems and Technologies, 2021

Article

Interface Between FRAND Licensing of Standard Essential Patents (SEPS) and Competition Law: Issues and Challenges

[Devarhubli, G.D.](#)

Indian Journal of Law and Justice, 2020

Article

Physico-chemical and microbial assessment of Industrial dye effluent collected from Naroda G.I.D.C, Ahmedabad, Gujarat, India

[Modi, S.](#), [Fulekar, M.H.](#)

Research Journal of Chemistry and Environment, 2020

Article

[A study on environmental education-a barefoot college model understanding](#)

[Iqbal, M.](#), [Pandit, D.](#), [Chauhan, R.](#), [Susilawati, S.](#), [Patriani, Y.](#)
International Journal of Advanced Science and Technology, 2020

Review

[Biodegradable nanoparticles: A recent approach and applications](#)

[Patil, V.](#), [Patel, A.S.](#)
Current Drug Targets, 2020

Conference Paper

[Sustainable Supplier Selection Using Combined Thinking Process](#)

[Bhowmik, C.](#), [Zindani, D.](#), [Bhowmik, S.](#), [Ray, A.](#)
Advances in Intelligent Systems and Computing, 2020

Book Chapter

[The degradation of plastic by microorganisms: A way for a bright future](#)

[Kazi, S.M.](#), [Khan, A.](#), [Shrivastav, A.](#)
Recent Advances in Biotechnology, 2019

Book Chapter

[Handling and utilisation of fly ash from thermal power plants](#)

[Nihalani, S.A.](#), [Mishra, Y.D.](#), [Meeruty, A.R.](#)
Circular Economy and Fly Ash Management, 2019

Article

[Effect of GDP with respect to the Nominal and Real GDP of India: 2014-‘15](#)

[Ayu Salmah, N.N.](#), [Chauhan, R.](#), [Valianti, R.M.](#), [Maselena, A.](#)
Opcion, 2019

Article

[Effect of GDP with respect to the nominal and real GDP of India: 2014-‘15 | Efecto del PIB con respecto al PIB nominal y real de la India: 2014-‘15](#)

[Ayu Salmah, N.N.](#), [Chauhan, R.](#), [Valianti, R.M.](#), [Maselena, A.](#)
Opcion, 2019

Conference Paper

[Smart materials for sustainable and smart infrastructure](#)

[Nihalani, S.A.](#), [Joshi, U.A.](#), [Meeruty, A.R.](#)
Materials Science Forum, 2019

Conference Paper

[A Review on Energy Conservation in Manufacturing industry](#)

[Trivedi, V., Bhatt, N.](#)

Proceedings of the 2018 International Conference on Current Trends towards Converging Technologies, ICCTCT 2018, 2018

Conference Paper

[Iot protocol based environmental data monitoring](#)

[Sonawala, N.M., Tank, B.V., Patel, H.](#)

Proceedings of the International Conference on Computing Methodologies and Communication, ICCMC 2017, 2017

Conference Paper

[Designing communication techniques for PLC in automation with considering cleaning machine](#)

[Patel, V.P., Mewada, H.N., Tilwalli, M.R.](#)

Proceedings of the International Conference on Computing Methodologies and Communication, ICCMC 2017, 2017

Article

[Study of Imperfect Manufacturing System with Preservation Technology Investment under Inflationary Environment for Quadratic Demand: A Reverse Logistic Approach](#)

[Shah, N.H., Jani, M.Y., Chaudhari, U.B.](#)

Journal of Advanced Manufacturing Systems, 2017

Article

[Study on influence of EDM process parameters during machining of Ti-6Al-4V](#)

[Thesiya, D., Dave, J., Rajurkar, A.U., Prajapati, V.](#)

Journal of Manufacturing Technology Research, 2015

Article

[Studies in prospective process validation of Fluconazole tablet dosage form](#)

[Sable, P.M., Chudasama, G., Patel, C.K., Sabale, V.P.](#)

Research Journal of Pharmacy and Technology, 2014



SDG 10: Reduced Inequalities

Conference Paper

[The Development of Inference in Healthcare System using FEFL System](#)

[Kumar, V.S.P.](#), [Saini, D.](#), [Rastogi, S.](#), ...[Verma, A.](#), [Meenakshi, R.](#)

2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024, 2024

Review

[Trends of Nanobiosensors in Modern Agriculture Systems](#)

[Kumar, P.](#), [Chugh, P.](#), [Ali, S.S.](#), ...[Bhatia, A.](#), [Kumar, R.](#)

Applied Biochemistry and Biotechnology, 2024

Article

[EMERGING NATIONS' LEARNING SYSTEMS AND THE COVID-19 PANDEMIC: AN ANALYSIS](#)

[Prabhakar, A.](#), [Kapse, V.M.](#), [Patel, G.M.](#), ...[Singh, A.](#), [Kumar, A.K.S.](#)

Georgian Medical News, 2023

Article • *Open access*

[The influence of cultural competence on healthcare outcomes | Influencia de las competencias culturales en los resultados de la atención sanitaria](#)

[Harita Nair, M.](#), [Pandya, A.K.](#), [Parveen, S.](#)

Salud, Ciencia y Tecnología, 2023

Conference Paper

[A Study Using OWASP on Secure Open Banking Architecture](#)

[Kumar, A.](#), [Gandhi, A.](#)

2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2023, 2023

Review • *Open access*

[Dissecting WASH Assessment Tools and Recommending a Comprehensive Tool for Indian Healthcare Facilities](#)

[Trivedi, P.](#), [Bhavsar, P.](#), [Saxena, D.B.](#), ...[Das, T.](#), [Yasobant, S.](#)

Risk Management and Healthcare Policy, 2023

Article • *Open access*

[You want to deal with power while riding on power': Global perspectives on power in participatory health research and co-production approaches](#)

[Egid, B.R.](#), [Roura, M.](#), [Aktar, B.](#), ...[Zimmerman, E.B.](#), [Ozano, K.](#)

BMJ Global Health, 2021

Review

Pemetrexed – first-line therapy for non-squamous non-small cell lung cancer: A review of patent literature

[Vora, P.A.](#), [Patel, R.S.](#), [Dharamsi, A.T.](#)

Recent Patents on Anti-Cancer Drug Discovery, 2021

Book Chapter

Culture, ethnicity, and hate crimes: A comparative analysis of preventive laws between India and the USA

[Halder, D.](#), [Bhati, D.](#)

Global Perspectives on Reforming the Criminal Justice System, 2021

Article

International migration: Major challenges and analysis of human resource management for supply chains

[To Nguyen, Q.L.H.T.](#), [Nguyen, P.T.](#), [Chauhan, R.](#), ...[Vo, K.](#), [Phan, P.T.](#)

International Journal of Supply Chain Management, 2019



SDG 11: Sustainable Cities and Communities

Article

[Organic municipal solid waste derived hydrogen production through supercritical water gasification process configured with K₂CO₃/SiO₂: Performance study](#)

[Mohammed](#)

[Soudagar, M.E., Upadhyay, V.V., Bhooshanam, N.N., ...Alotaibi, M.A., Seikh, A.H.](#)

Biomass and Bioenergy, 2024

Article

[Estimation of calorific value using an artificial neural network based on stochastic ultimate analysis](#)

[Thakur, D., Kumar, S., Kumar, V., Kaur, T.](#)

Renewable Energy, 2024

Conference Paper

[A Modified-YOLO based Vehicle-Pedestrian Detection Model for Improved Urban Mobility](#)

[Desai, K., Sahatiya, P., Singh, D.K.](#)

AIP Conference Proceedings, 2024

Conference Paper

[Treatment of Municipal Wastewater using Microalgae and Green Synthesized Nanocatalyst: Process Optimization by Response Surface Methodology](#)

[Parmar, B., Sandhwar, V.K., Saxena, S., Yadav, A.R., Joshi, U.A.](#)

AIP Conference Proceedings, 2024

Article • *Open access*

[Geochemical evaluation and the mechanism controlling groundwater chemistry using chemometric approach and groundwater pollution index \(GPI\) in the Kishangarh city of Rajasthan, India](#)

[Kumar, M.D., Garg, V., Kumar, R.D.S., Kumar, R.](#)

Environmental Science and Pollution Research, 2024

Article

[Identification of earthquake induced structural damage based on synchroextracting transform](#)

[Roshan, K.P., Gaurav, K., Zhao, W., ...Kumar, J., Amponsah, E.](#)

Earthquake Engineering and Engineering Vibration, 2024

Article

Estimation of land surface temperature and LULC changes impact on groundwater resources in the semi-arid region of Madhya Pradesh, India

[Moharir, K.N.](#), [Baliram Pande, C.](#), [Kumar Gautam, V.](#), ...[Pramanik, M.K.](#), [Elsahabi, M.A.](#)
Advances in Space Research, 2024

Conference Paper

A Strategic Layout Design for Creating Prediction System for Heart Related Disease Using Hms

[Kumar, V.S.P.](#), [Ramakrishnan, R.](#), [Saini, D.](#), [Verma, M.A.](#), [Rastogi, S.](#)
2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024, 2024

Conference Paper

Monitoring Water Levels in Rivers with optical fiber sensors

[Dalai, C.](#), [Singh, M.K.](#), [Sunad Kumara, A.N.](#), ...[Patil, H.](#), [Maranan, R.](#)
2024 5th International Conference on Innovative Trends in Information Technology, ICITIIT 2024, 2024

Conference Paper

Big Data Analysis on Intelligent Traffic Surveillance by Incorporating Sensors and IoT Devices on Roads

[Sangeerani Devi, A.](#), [Kapruwan, A.](#), [Shrimali, M.](#), ...[Maranan, R.](#), [Barve, A.](#)
7th International Conference on Inventive Computation Technologies, ICICT 2024, 2024

Book Chapter

GIS Mapping and Groundwater Quality Assessment Near Solid Waste Dump Site

[Nihalani, S.A.](#), [Meeruty, A.R.](#), [Behede, S.N.](#)
Advances in Geographic Information Science, 2024

Article • *Open access*

Geospatial evaluation of normalized difference vegetation index (NDVI) and urban heat island: a spatio-temporal study of Gandhinagar City, Gujarat, India

[Modi, T.](#), [Ghosh, T.](#), [Ali, D.](#), ...[Niazi, P.](#), [Yadav, V.K.](#)
Geomatics, Natural Hazards and Risk, 2024

Book Chapter

E-Waste: The Problem and the Solutions

[Taksali, K.](#), [Rathore, P.S.](#)
Sustainable Management of Electronic Waste, 2024

Article • *Open access*

A Comprehensive Flood Risk Inundation Mapping and Hybrid Model for Flood Forecasting in the Panam River Basin

[Patel, M.](#), [Parekh, F.P.](#)

Contemporary Mathematics (Singapore), 2024

Article • *Open access*

[Improving WSN Performance through Fuzzy-Based Traffic Data Analysis](#)

[Gharge, A.P.](#), [Hadia, S.K.](#)

Journal of Electrical Systems, 2024

Review • *Open access*

[Investigating the ecological implications of nanomaterials: Unveiling plants' notable responses to nano-pollution](#)

[Ekambaram, G.](#), [Prakash, P.](#), [Saravanan, P.](#), ...[Viswanathan, D.](#), [Govindasamy, R.](#)

Plant Physiology and Biochemistry, 2024

Conference Paper

[Prediction of EV charging & Impact analysis on Indian Grid](#)

[Patel, B.K.M.](#), [Prajapati, H.](#), [Mokariya, K.L.](#)

AIP Conference Proceedings, 2023

Conference Paper

[Experimental investigation on braking energy potential under real urban driving conditions](#)

[Hiteshkumar, D.](#), [Nityam, O.](#)

AIP Conference Proceedings, 2023

Conference Paper

[Analysis of Routing Protocols in VANET](#)

[Gharge, A.P.](#), [Hadia, S.K.](#)

AIP Conference Proceedings, 2023

Conference Paper

[Optimization of Process Parameters during Activated Sludge Treatment of Municipal Wastewater using Response Surface Methodology](#)

[Mehta, M.](#), [Sandhwar, V.K.](#), [Saxena, S.](#), [Yadav, A.R.](#), [Joshi, U.A.](#)

AIP Conference Proceedings, 2023

Article • *Open access*

[Selection of optimum renewable energy sources under smart city environment for energy management and planning: An eclectic decision](#)

[Bhowmik, C.](#), [Khare, M.](#), [Mewada, B.G.](#), [Chatterjee, P.](#), [Demir, G.](#)

Reports in Mechanical Engineering, 2023

Book

[Exploring culture and heritage through experience tourism](#)

[Rawal, Y.S.](#), [Sinha, R.](#), [Mukherjee, S.K.](#), [Batabyal, D.](#)
Exploring Culture and Heritage Through Experience Tourism, 2023

Article

Fuzzy Inference of Air Quality – A case study of Vadodara City

[Nihalani, S.A.](#)
Pollution, 2023

Article • *Open access*

Forecasting of Flood Flow of Panam River Basin using Adaptive Neuro-Fuzzy Inference System (ANFIS) and ANN with Comparative Study

[Patel, M.](#), [Parekh, F.P.](#)
Journal of Advanced Research in Applied Sciences and Engineering Technology, 2023

Review • *Open access*

A critical review on sustainable hazardous waste management strategies: a step towards a circular economy

[Kumar, A.](#), [Thakur, A.K.](#), [Kumar Gaurav, G.K.](#), ...[Pant, K.K.](#), [Kumar, R.](#)
Environmental Science and Pollution Research, 2023

Book Chapter

Parameters impacting duration and price of ahmedabad metro project

[Khan, S.](#), [Pathan, F.K.](#), [Bachwani, D.](#), [Malek, M.S.](#)
Emerging Trends and Innovations in Industries of the Developing World: A Multidisciplinary Approach, 2023

Article • *Open access*

Characterization and Process Optimization for Enhanced Production of Polyhydroxybutyrate (PHB)-Based Biodegradable Polymer from Bacillus flexus Isolated from Municipal Solid Waste Landfill Site

[Adnan, M.](#), [Siddiqui, A.J.](#), [Ashraf, S.A.](#), ...[Sachidanandan, M.](#), [Patel, M.B.](#)
Polymers, 2023

Conference Paper

Why Big Data and Data Analytics for Smart City

[Dubey, S.](#), [Mishra, A.](#), [Verma, D.K.](#), ...[Dikshit, G.](#), [Gupta, N.](#)
Proceedings of the 2023 IEEE International Conference on Computer Vision and Machine Intelligence, CVMI 2023, 2023

Conference Paper

Enhancing Student Support and Engagement with Natural Language Processing in Academic Chatbot's

[Patel, H.](#), [Vemuri, V.P.](#), [Kaur, J.](#), ...[Moharekar, T.T.](#), [Chakravarthi, M.K.](#)
2023 10th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering, UPCON 2023, 2023

Conference Paper

Smart Biking: IoT-Connected Cycling Gear for Training and Safety

[Mohan Kumar, S.](#), [Ramakrishnan, R.](#), [Barve, A.](#), [Mohanty, A.](#), [Muthulekshmi, M.](#)
2023 2nd International Conference on Smart Technologies for Smart Nation, SmartTechCon 2023, 2023

Conference Paper

Cloud-Based Solar Lights for Sustainable Cities: Real-time Monitoring and Energy Efficiency Solutions

[Ramakrishnan, R.](#), [Presitha Aarthi, M.](#), [Vekariya, D.](#), [Naikade, K.](#), [Sujatha, S.](#)
2023 2nd International Conference on Smart Technologies for Smart Nation, SmartTechCon 2023, 2023

Conference Paper

Smart Crosswalk Management with Vehicle-to-Pedestrian Communication

[Srinivasan, S.](#), [Ramakrishnan, R.](#), [Thacker, C.B.](#), [Shrivastava, A.](#)
International Conference on Sustainable Communication Networks and Application, ICSCNA 2023 - Proceedings, 2023

Conference Paper

Intelligent Parking Management Systems Using IoT and Machine Learning Techniques for Real-Time Space Availability Estimation

[Ramakrishnan, R.](#), [Sujatha, V.](#), [Thacker, C.B.](#), ...[Sahaai, M.B.](#), [Murugan, S.](#)
International Conference on Sustainable Communication Networks and Application, ICSCNA 2023 - Proceedings, 2023

Conference Paper

Survey on the Effectiveness of Traffic Sign Detection and Recognition System

[Patel, P.A.](#), [Vekariya, V.M.](#), [Shah, J.M.](#), [Vala, B.](#)
Lecture Notes in Electrical Engineering, 2023

Article • *Open access*

Shadow Extraction and Elimination of Moving Vehicles for Tracking Vehicles

[Jadav, K.R.](#), [Sorathiya, V.P.](#), [El-Shafai, W.](#), ...[Ahmed, K.M.](#), [Bui, F.M.](#)
Computers, Materials and Continua, 2023

Book Chapter

Bio and bio-based hybrid techniques for municipal wastewater treatment and resource recovery

[Sandhwar, V.K.](#), [Saxena, S.](#), [Joshi, U.A.](#), [Yadav, A.R.](#)
Resource Recovery in Municipal Waste Waters, 2023

Article • *Open access*

Intelligent algorithms in privacy-preserving authentication schemes and traceability with accuracy in VANETs for smart transportation

[Sikka, R.](#), [Kamalraj, R.](#), [Shah, P.K.](#), ...[Anwar, S.R.](#), [Kumar, A.V.](#)
Soft Computing, 2023

Conference Paper

Role of Telemedicine in Healthcare Sector for Betterment of Smart City

[Sahatiya, P.](#), [Singh, D.K.](#)
Lecture Notes in Networks and Systems, 2023

Book

Climate Change and Sustainable Development

[Fulekar, M.H.](#), [Dubey, R.S.](#)
Climate Change and Sustainable Development, 2023

Article • *Open access*

Machine learning based novel frameworks developments and architectures for secured communication in VANETs for smart transportation

[Chakraborty, R.](#), [Maakar, S.K.](#), [Awasthi, A.](#), ...[Rastogi, A.](#), [Jethava, G.](#)
Soft Computing, 2023

Conference Paper

Network of Things-Based Smart Towns

[Pramanik, K.K.](#), [Parikh, S.M.](#)
2023 International Conference on Artificial Intelligence and Smart Communication, AISC 2023, 2023

Conference Paper

A Nobel Approach to Identify the Rainfall Prediction Using Deep Convolutional Neural Networks Algorithm

[Desai, P.](#), [Gandhi, A.](#), [Acharya, M.](#)
Smart Innovation, Systems and Technologies, 2023

Article • *Open access*

Did Covid-19 lockdown positively affect the urban environment and UN- Sustainable Development Goals?

[Nigam, R.](#), [Tripathi, G.](#), [Priya, T.](#), ...[Damásio, B.](#), [Kotha, M.](#)
PLoS ONE, 2022

Article

Giardia lamblia infection and associated risk factors among patients attending Kochore Health Center, Ethiopia

[Hajare, S.T.](#), [Betcha, A.](#), [Sharma, R.J.](#), ...[Kuddus, M.A.](#), [Eriso, F.](#)
Infectious Diseases Now, 2022

Article

Effect of bioremediation technique on engineering properties of crude oil-contaminated soil

[Rathod, V.P.](#), [Parekh, H.H.](#), [Rajpura, P.D.](#), ...[Panchal, R.R.](#), [Upadhye, V.J.](#)

Biocatalysis and Agricultural Biotechnology, 2022

Article • *Open access*

Advanced Techniques of Flood Forecasting, Flood Inundation Mapping and Flood Prioritization of Panam River Basin

[Patel, M.](#), [Parekh, F.P.](#)

Civil Engineering and Architecture, 2022

Article • *Open access*

Groundwater quality assessment in proximity to solid waste dumpsite at Uruli Devachi in Pune, Maharashtra

[Nihalani, S.A.](#), [Behede, S.N.](#), [Meeruty, A.R.](#)

Water Science and Technology, 2022

Article

Groundwater suitability determination near solid waste dump site at Pune

[Nihalani, S.A.](#), [Behede, S.N.](#), [Meeruty, A.R.](#)

Sustainable Water Resources Management, 2022

Book Chapter

Biochemical aspects and cultivation of medicinal mushroom pleurotus florida on cellulosic waste of cotton and paper

[Nisha.](#), [Chhatbar, A.](#), [Chhatbar, H.](#), [Arya, A.](#)

Biology, Cultivation and Applications of Mushrooms, 2022

Conference Paper

Security and Challenges for Blockchain Integrated Fog-Enabled IoT Applications

[Samanta, S.](#), [Sarkar, A.](#), [Sharma, A.](#), [Geman, O.](#)

Lecture Notes in Networks and Systems, 2022

Conference Paper

Usage of Polyacrylic Acid in Cold Mix Applications: A Review

[Patel, V.J.](#), [Juremalani, J.R.](#), [Shankar, S.](#)

Lecture Notes in Civil Engineering, 2022

Article • *Open access*

Gradual sustainability approach for urban transport through subtle measures

[Advani, M.](#), [Sharma, N.](#), [Errampalli, M.](#), ...[Dhyani, R.](#), [Kumar, P.V.P.](#)

Current Science, 2022

Conference Paper • *Open access*

Examining Traffic Operations at Multi-Legged Intersection Operating under Heterogeneous Traffic: A Case Study in India

[Mistry, J.](#), [Chaudhari, P.M.](#), [Arkatkar, S.S.](#), [Antoniou, C.](#)
Transportation Research Procedia, 2022

Article

Metaheuristic enabled deep convolutional neural network for traffic flow prediction: Impact of improved lion algorithm

[Patel, M.](#), [Valderrama Sukuyama, C.A.](#), [Yadav, A.R.](#)
Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2022

Article • *Open access*

Evaluation of Cytotoxicity and Genotoxicity of Water from Nag River, Nagpur, India

[Hirapure, P.](#), [Paranjape, S.A.](#), [Sarodaya, V.S.](#), [Mehere, B.A.](#), [Upadhye, V.J.](#)
Nature Environment and Pollution Technology, 2021

Article

Water quality index evaluation for major rivers in Gujarat

[Nihalani, S.A.](#), [Meeruty, A.R.](#)
Environmental Science and Pollution Research, 2021

Conference Paper

Cleanliness Automation: YOLOv3

[Hiteshkumar, G.](#), [Gour, P.](#), [Steeve, N.](#), [Parmar, T.](#), [Singh, P.](#)
2021 6th International Conference for Convergence in Technology, I2CT 2021, 2021

Conference Paper

Intelligent Traffic Management for Emergency Vehicles using Convolutional Neural Network

[Deepajothi, S.](#), [Palanivel Rajan, D.](#), [Karthikeyan, P.](#), [Sarveshwaran, V.](#)
2021 7th International Conference on Advanced Computing and Communication Systems, ICACCS 2021, 2021

Article • *Open access*

Evaluation and management of haemorrhagic shock in polytrauma: Clinical practice guidelines

[Vishwanathan, K.](#), [Chhajwani, S.H.](#), [Gupta, A.K.](#), [Vaishya, R.](#)
Journal of Clinical Orthopaedics and Trauma, 2021

Book Chapter

Microorganism: an ecofriendly tool for waste management and environmental safety

[Parmar, S.](#), [Daki, S.](#), [Bhattacharya, S.](#), [Shrivastav, A.](#)

Development in Wastewater Treatment Research and Processes: Innovative Microbe-Based Applications for Removal of Chemicals and Metals in Wastewater Treatment Plants, 2021

Book Chapter

[Removal of emerging contaminants in water treatment by nanofiltration and reverse osmosis](#)

[Rai, B.](#), [Shrivastav, A.](#)

Development in Wastewater Treatment Research and Processes: Removal of Emerging Contaminants from Wastewater through Bio-nanotechnology, 2021

Conference Paper

[Experimental Analysis of Seismic Cloak Foundation by Using Elastoplastic Material](#)

[Shelar, A.](#), [Yadav, V.](#), [Thaker, M.](#), [Suriya, D.](#)

Lecture Notes in Civil Engineering, 2021

Conference Paper

[Heavy Metal Assessment in Urban Particulate Matter in Industrial Areas of Vadodara City](#)

[Nihalani, S.A.](#), [Khambete, A.K.](#), [Jariwala, N.D.](#)

Lecture Notes in Civil Engineering, 2021

Article • *Open access*

[Participants' perception of the AIIMS Trauma Assessment and Management \(ATAM\) course for management of polytrauma: A multi-institutional experience from India](#)

[Babu, B.V.](#), [Vishwanathan, K.](#), [Ramesh, A.C.](#), ...[Nimbalkar, S.M.](#), [Sharma, Y.](#)

Journal of Clinical Orthopaedics and Trauma, 2021

Book Chapter

[Fuzzy Logic based Light Control Systems for Heterogeneous Traffic and Prospectus in Ahmedabad \(India\)](#)

[Vaghela, R.](#), [Solanki, K.H.](#)

Lecture Notes on Data Engineering and Communications Technologies, 2021

Article • *Open access*

[Advances in methods for recovery of ferrous, alumina, and silica nanoparticles from fly ashwaste](#)

[Yadav, V.K.](#), [Fulekar, M.H.](#)

Ceramics, 2020

Article

[Development of efficient solid waste management system in a town area of Gujarat state: Mahisagar district](#)

[Mahajan, S.](#), [Sadh, H.](#), [Soni, J.](#)

International Journal of Advanced Research in Engineering and Technology, 2020

Conference Paper

**Estimating the Impact of Flyover on Vehicle Delay, Fuel Consumption, and Emissions—
A Case Study**

[Bedada, L.](#), [Advani, M.](#), [Chandra, S.](#), [Juremalani, J.R.](#)

Lecture Notes in Civil Engineering, 2020

Article

**Evaluation of commuters' travel behavior under mix traffic condition: A case study of
vadodara city**

[Javeed, F.A.](#), [Juremalani, J.R.](#), [Sanket, B.](#)

International Journal on Emerging Technologies, 2020

Conference Paper

Air Quality Assessment Using Fuzzy Inference Systems

[Nihalani, S.A.](#), [Moondra, N.](#), [Khambete, A.K.](#), [Christian, R.A.](#), [Jariwala, N.D.](#)

Advances in Intelligent Systems and Computing, 2020

Article • *Open access*

A critical appraisal of mode choice model of work trips

[Javeed, F.A.](#), [Juremalani, J.R.](#), [Sanket, B.](#), [Dharmesh, J.R.](#)

International Journal of Engineering and Advanced Technology, 2019

Conference Paper

Design of Smart Power Distribution Network for Smart City-Dholera

[Pandya, R.](#), [Velani, K.N.](#), [Karvat, D.](#)

*Proceedings of the 2018 International Conference on Current Trends towards Converging
Technologies, ICCTCT 2018*, 2018

Conference Paper

**Comparison of feature extraction techniques to recognize traffic rule violations using
low processing embedded system**

[Purohit, M.R.](#), [Yadav, A.R.](#)

*2018 5th International Conference on Signal Processing and Integrated Networks, SPIN
2018*, 2018

Conference Paper

Automatic intelligent traffic controlling for emergency vehicle rescuing

[Tank, M.](#), [Mewada, H.N.](#), [Choksi, V.](#), [Potdar, M.B.](#)

Advances in Intelligent Systems and Computing, 2016



SDG 12: Responsible Consumption and Production

Article

[Navigating the landscape of precision horticulture: Sustainable agriculture in the digital Age](#)

[Kumar, S.](#), [Wani, A.W.](#), [Kaushik, R.](#), ...[Yadav, K.K.](#), [Wani, A.K.](#)
Scientia Horticulturae, 2024

Review

[Nanoparticles Mediated Salt Stress Resilience: A Holistic Exploration of Physiological, Biochemical, and Nano-omics Approaches](#)

[Singh, A.](#), [Rajput, V.D.](#), [Agrawal, S.](#), ...[Papadakis, M.N.](#), [Athanasios, A.T.](#)
Reviews of Environmental Contamination and Toxicology, 2024

Article

[Organic municipal solid waste derived hydrogen production through supercritical water gasification process configured with K₂CO₃/SiO₂: Performance study](#)

[Mohammed Soudagar, M.E.](#), [Upadhyay, V.V.](#), [Bhooshanam, N.N.](#), ...[Alotaibi, M.A.](#), [Seikh, A.H.](#)
Biomass and Bioenergy, 2024

Article

[A review on e-waste contamination, toxicity, and sustainable clean-up approaches for its management](#)

[Kumar, P.S.](#), [Singh, S.](#), [Gacem, A.](#), ...[Tariq, M.](#), [Waqas Alam, M.W.](#)
Toxicology, 2024

Article

[Predicting compressive strength of concrete with iron waste: a BPNN approach](#)

[Kumar Tipu, R.K.](#), [Batra, V.](#), [Suman, n.](#), [Pandya, K.S.](#), [Panchal, V.R.](#)
Asian Journal of Civil Engineering, 2024

Article • *Open access*

[Assessing Drivers Influencing Net-Zero Emission Adoption in Manufacturing Supply Chain: A Hybrid ANN-Fuzzy ISM Approach](#)

[Yadav, A.](#), [Sachdeva, A.K.](#), [Garg, R.K.](#), ...[Qureshi, M.R.N.](#), [Mansour, M.A.](#)
Sustainability (Switzerland), 2024

Article

[Metagenomic profiling of rhizosphere microbiota: Unraveling the plant-soil dynamics](#)

[Wani, A.K.](#), [Rahayu, F.](#), [Alkahtani, A.M.A.](#), ...[Rahayu, D.M.](#), [Singh, R.](#)
Physiological and Molecular Plant Pathology, 2024

Article

[Optimizing compressive strength in sustainable concrete: a machine learning approach with iron waste integration](#)

[Kumar Tipu, R.K.](#), [Batra, V.](#), [Suman, n.](#), ...[Pandya, K.S.](#), [Patel, G.A.](#)
Asian Journal of Civil Engineering, 2024

Article • *Open access*

[Achieving Net-Zero in the Manufacturing Supply Chain through Carbon Capture and LCA: A Comprehensive Framework with BWM-Fuzzy DEMATEL](#)

[Yadav, A.](#), [Sachdeva, A.K.](#), [Garg, R.K.](#), ...[Qureshi, M.R.N.](#), [Mansour, M.A.](#)
Sustainability (Switzerland), 2024

Book Chapter

[Ecotech harmony: A case study of sustainable resource management through ai integration and online community engagement in the circular economy-insights from leading brands](#)

[Thakkar, A.](#), [Zaveri, B.](#), [Mathewos, T.](#)
Utilizing Technology for Sustainable Resource Management Solutions, 2024

Book Chapter

[Adapting palates: A mapping of food neophobia and neophilia in the shift towards sustainable food consumption](#)

[Ranga, I.](#), [Ranga, B.](#), [Premjani, K.](#)
Cultural, Gastronomy, and Adventure Tourism Development, 2024

Review • *Open access*

[Climate Change Impacts on Legume Physiology and Ecosystem Dynamics: A Multifaceted Perspective](#)

[Dave, K.P.](#), [Kumar, A.](#), [Dave, N.](#), ...[Yadav, A.](#), [Kaushik, P.](#)
Sustainability (Switzerland), 2024

Article

[Estimation of calorific value using an artificial neural network based on stochastic ultimate analysis](#)

[Thakur, D.](#), [Kumar, S.](#), [Kumar, V.](#), [Kaur, T.](#)
Renewable Energy, 2024

Article • *Open access*

[Investigating lactic acid bacteria genus Lactococcus lactis properties: Antioxidant activity, antibiotic resistance, and antibacterial activity against multidrug-resistant bacteria Staphylococcus aureus](#)

[Hamdaoui, N.](#), [Benkirane, C.](#), [Bouammali, H.](#), ...[Choi, J.](#), [Meziane, M.](#)
Heliyon, 2024

Article • *Open access*

[Journey From a Digital Innovation to a Sustainable Health Worker Capacity-Building App in India: Experiences, Challenges, and Lessons Learned](#)

[Chase, R.](#), [Sanyal, S.](#), [Singh, P.](#), ...[Soni, G.K.](#), [Ganguly, P.](#)
Global Health Science and Practice, 2024

Review • *Open access*

[Nanoparticles in revolutionizing crop production and agriculture to address salinity stress challenges for a sustainable future](#)

[Singh, A.](#), [Agrawal, S.](#), [Rajput, V.D.](#), ...[Papadakis, M.N.](#), [Athanasios, A.T.](#)
Discover Applied Sciences, 2024

Article

[Machine learning-based prediction of concrete strengths with coconut shell as partial coarse aggregate replacement: a comprehensive analysis and sensitivity study](#)

[Kumar Tipu, R.K.](#), [Panchal, V.R.](#), [Pandya, K.S.](#)
Asian Journal of Civil Engineering, 2024

Article • *Open access*

[Investigating industry 4.0 technologies in logistics 4.0 usage towards sustainable manufacturing supply chain](#)

[Qureshi, K.M.R.](#), [Mewada, B.G.](#), [Kaur, S.](#), ...[Alqahtani, M.M.](#), [Qureshi, M.R.N.](#)
Heliyon, 2024

Conference Paper

[A Review on Pyrolysis: Plastic Waste Recycling Method](#)

[Patel, A.I.](#), [Molvi, I.](#), [das Lala, S.](#)
AIP Conference Proceedings, 2024

Conference Paper

[Reactive Orange 16 dye removal using novel particle-coated and graphene oxide-based DSA](#)

[Pandya, C.](#), [Saxena, P.](#)
AIP Conference Proceedings, 2024

Article

[Biogenic synthesis of silver nanoparticles from Solanum tuberosum peel and their potent antibacterial action](#)

[Michael, A.](#), [Singh, A.](#), [Mishra, R.](#), ...[Verma, R.K.](#), [Sharma, K.D.](#)
Nano-Structures and Nano-Objects, 2024

Book Chapter

Biomass-Derived Biochar for Environmental Remediation

[Sharma, C.](#), [Saxena, J.](#), [Pathak, P.](#), [Kumar, S.](#)

Materials Horizons: From Nature to Nanomaterials, 2024

Conference Paper

Hybrid Fuzzy Decision-Making Model

[Kumar, V.S.P.](#), [Saini, D.](#), [Rastogi, S.](#), ...[Verma, A.](#), [Meenakshi, R.](#)

2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024, 2024

Review

Trends of Nanobiosensors in Modern Agriculture Systems

[Kumar, P.](#), [Chugh, P.](#), [Ali, S.S.](#), ...[Bhatia, A.](#), [Kumar, R.](#)

Applied Biochemistry and Biotechnology, 2024

Review

Value-Added Nanocellulose Valorized from Fruit Peel Waste for Potential Dermal Wound Healing and Tissue Regenerative Applications

[Datta, D.](#), [Prajapati, B.](#), [Jethva, H.](#), ...[Singh, S.K.](#), [Prajapati, B.G.](#)

Regenerative Engineering and Translational Medicine, 2024

Book Chapter

GIS Mapping and Groundwater Quality Assessment Near Solid Waste Dump Site

[Nihalani, S.A.](#), [Meeruty, A.R.](#), [Behede, S.N.](#)

Advances in Geographic Information Science, 2024

Article

Residual, direct and interaction effect of nutrient management on growth, yield, quality, and economics of fodder maize and soil nutrient balance under grain amaranth (*Amaranthus hypochondriacus* L.)– fodder maize [*Zea mays* (L.)] sequence in Inceptisols of Western India

[Patel, R.S.](#), [Pankhania, R.M.](#), [Bartwal, D.](#), [Patel, A.A.](#)

Cereal Research Communications, 2024

Book Chapter

E-Waste: The Problem and the Solutions

[Taksali, K.](#), [Rathore, P.S.](#)

Sustainable Management of Electronic Waste, 2024

Conference Paper

Trends in Human-Robot Collaboration and Sustainable Automation for the Construction Industry

[Patel, S.N.](#), [Sharma, R.](#), [Patel, N.M.](#)

Lecture Notes in Networks and Systems, 2024

Conference Paper

Behavior of M25 Concrete Using Waste Plastic Fiber in Beam-Column Joint Under Seismic Loading

[Patel, N.M.](#), [Patel, M.N.](#)

AIP Conference Proceedings, 2023

Article • *Open access*

Selection of optimum renewable energy sources under smart city environment for energy management and planning: An eclectic decision

[Bhowmik, C.](#), [Khare, M.](#), [Mewada, B.G.](#), [Chatterjee, P.](#), [Demir, G.](#)

Reports in Mechanical Engineering, 2023

Article

Strategies for development of smart and green products using Blockchain-IoT integrated architecture

[Rane, S.B.](#), [Potdar, P.R.](#), [Aware, S.](#)

Operations Management Research, 2023

Erratum • *Open access*

Corrigendum to “Microbial approaches for pharmaceutical wastewater recycling and management for sustainable development: A multicomponent approach” [Environ. Res. 237 (2013) 1–8/116983] (Environmental Research (2023) 237(P2), (S0013935123017875), (10.1016/j.envres.2023.116983))

[Chauhan, B.](#), [Dodamani, S.S.](#), [Malik, S.](#), ...[Haque, S.](#), [Sayyed, R.Z.](#)

Environmental Research, 2023

Article

Microbial approaches for pharmaceutical wastewater recycling and management for sustainable development: A multicomponent approach

[Chauhan, B.](#), [Dodamani, S.S.](#), [Malik, S.](#), ...[Haque, S.](#), [Sayyed, R.Z.](#)

Environmental Research, 2023

Article • *Open access*

Sustainable Manufacturing Supply Chain Performance Enhancement through Technology Utilization and Process Innovation in Industry 4.0: A SEM-PLS Approach

[Qureshi, K.M.R.](#), [Mewada, B.G.](#), [Kaur, S.](#), ...[Almuflih, A.S.](#), [Qureshi, M.R.N.](#)

Sustainability (Switzerland), 2023

Article • *Open access*

Acceleration of histopathological and biochemical defense patterns in mung bean with biopriming of *Amycolatopsis* sp. SND-1 against *Cercospora* leaf spot disease

[Basavarajappa, D.S.](#), [Kumar, R.S.](#), [Rudrappa, M.](#), ...[Kantli, G.B.](#), [Nayaka, S.](#)

Journal of King Saud University - Science, 2023

Book

[Exploring culture and heritage through experience tourism](#)

[Rawal, Y.S.](#), [Sinha, R.](#), [Mukherjee, S.K.](#), [Batabyal, D.](#)

Exploring Culture and Heritage Through Experience Tourism, 2023

Book Chapter

[Animal cruelty and sacrifice in religious and mythological tourism: Perspective and challenges in South Asia](#)

[Chatterjee, P.](#), [Batabyal, D.](#), [Chakraborty, N.](#), ...[Mukherjee, S.K.](#), [Roy, S.](#)

Exploring Culture and Heritage Through Experience Tourism, 2023

Review • *Open access*

[A critical review on sustainable hazardous waste management strategies: a step towards a circular economy](#)

[Kumar, A.](#), [Thakur, A.K.](#), [Kumar Gaurav, G.K.](#), ...[Pant, K.K.](#), [Kumar, R.](#)

Environmental Science and Pollution Research, 2023

Article • *Open access*

[AI Chatbot Adoption in SMEs for Sustainable Manufacturing Supply Chain Performance: A Mediation Research in an Emerging Country](#)

[Panigrahi, R.R.](#), [Shrivastava, A.K.](#), [Qureshi, K.M.R.](#), ...[Almuflih, A.S.](#), [Qureshi, M.R.N.](#)

Sustainability (Switzerland), 2023

Article • *Open access*

[Antibiofilm, Antimicrobial, Anti-Quorum Sensing, and Antioxidant Activities of Saudi Sidr Honey: In Vitro and Molecular Docking Studies](#)

[Bazaid, A.S.](#), [Alsolami, A.](#), [Patel, M.B.](#), ...[Almusheet, S.M.](#), [Qanash, H.](#)

Pharmaceutics, 2023

Book Chapter

[An introduction to nanopriming for sustainable agriculture](#)

[Agrawal, S.](#), [Das, R.](#), [Solanki, S.](#), ...[Mishra, S.K.](#), [Tiwari, K.N.](#)

Nanopriming Approach to Sustainable Agriculture, 2023

Article

[Nanobioremediation: a bacterial consortium-zinc oxide nanoparticle-based approach for the removal of methylene blue dye from wastewater](#)

[Modi, S.](#), [Yadav, V.K.](#), [Amari, A.](#), ...[Igwegbe, C.A.](#), [Fulekar, M.H.](#)

Environmental Science and Pollution Research, 2023

Article • *Open access*

[Modelling the Construction Projects Implementation Barriers: A Structure Equation Modelling Approach](#)

[Almakayeel, N.M.](#), [Buniya, M.K.](#), [Abubakar, A.S.](#), ...[Qureshi, K.M.R.](#), [Qureshi, M.R.N.](#)

Buildings, 2023

Article

[An inclusive outlook on the fate and persistence of pesticides in the environment and integrated eco-technologies for their degradation](#)

[Chaudhari, Y.S.](#), [Kumar, P.S.](#), [Soni, S.](#), ...[Yadav, P.](#), [Yadav, K.K.](#)
Toxicology and Applied Pharmacology, 2023

Article • *Open access*

[Analyzing Critical Success Factors of Lean 4.0 Implementation in Small and Medium Enterprises for Sustainable Manufacturing Supply Chain for Industry 4.0 Using PLS-SEM](#)

[Qureshi, K.M.R.](#), [Mewada, B.G.](#), [Buniya, M.K.](#), [Qureshi, M.R.N.](#)
Sustainability (Switzerland) , 2023

Article • *Open access*

[Characterization and Process Optimization for Enhanced Production of Polyhydroxybutyrate \(PHB\)-Based Biodegradable Polymer from Bacillus flexus Isolated from Municipal Solid Waste Landfill Site](#)

[Adnan, M.](#), [Siddiqui, A.J.](#), [Ashraf, S.A.](#), ...[Sachidanandan, M.](#), [Patel, M.B.](#)
Polymers, 2023

Article • *Open access*

[Assessing Lean 4.0 for Industry 4.0 Readiness Using PLS-SEM towards Sustainable Manufacturing Supply Chain](#)

[Qureshi, K.M.R.](#), [Mewada, B.G.](#), [Kaur, S.](#), [Qureshi, M.R.N.](#)
Sustainability (Switzerland), 2023

Conference Paper

[Revolutionizing Waste Management Through Intelligent Garbage Segregation Bin](#)

[Veerabhadraswamy, K.M.](#), [Kumar, K.](#), [Indhuja, A.](#), ...[Kannadasan, B.](#), [Bakhare, R.](#)
3rd International Conference on Innovative Mechanisms for Industry Applications, ICIMIA 2023 - Proceedings, 2023

Article • *Open access*

[ARTIFICIAL INTELLIGENCE AND BIG DATA ANALYTICS-BASED OPTIMIZATION OF CROP YIELDS IN SUSTAINABLE AGRICULTURE](#)

[Krishna, S.R.](#), [Kumar, R.](#), [Rose, J.D.](#), ...[Mehta, D.](#), [Ranadive, A.](#)
Carpathian Journal of Food Science and Technology, 2023

Conference Paper

[Robotic Weed Control and Biodiversity Preservation: IoT Solutions for Sustainable Farming](#)

[Ramakrishnan, R.](#), [Parvathy, P.R.](#), [Sapra, P.](#), [Sonule, V.B.](#), [Murugan, S.](#)
7th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2023 - Proceedings, 2023

Article

Livestock Healthcare and Farmer Contentment: An Exploration of Economic and Social Determinants

[Menaka, C.](#), [Kulkarni, B.G.](#), [Saraswat, N.](#)
Revista Electronica de Veterinaria, 2023

Conference Paper

IoT and Real-time Data Analytics Optimize Greywater Recycling

[Ranganathan, C.S.](#), [Ramakrishnan, R.](#), [Parikh, S.M.](#), [Thakur, V.S.](#), [Sujatha, S.](#)
2023 2nd International Conference on Smart Technologies for Smart Nation, SmartTechCon 2023, 2023

Book Chapter

Membrane Based Technologies for Industrial Waste Management

[Varma, J.](#), [Zala, U.](#), [Upadhye, V.J.](#), [Pankaj, P.P.](#), [Shrivastav, A.](#)
Environmental Science and Engineering, 2023

Conference Paper

Corporate Social Responsibility Reports: A Big Data Approach

[Pacori Paricahua, E.W.](#), [Pacori Paricahua, A.K.](#), [Gehlot, A.N.](#), ...[Suresh Kumar, M.V.](#), [Lourens, M.E.](#)
2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2023, 2023

Article

Maize Plant Leaf Disease Classification Using Supervised Machine Learning Algorithms

[Patel, A.](#), [Mishra, R.](#), [Sharma, A.](#)
Fusion: Practice and Applications, 2023

Book Chapter

Bio and bio-based hybrid techniques for municipal wastewater treatment and resource recovery

[Sandhwar, V.K.](#), [Saxena, S.](#), [Joshi, U.A.](#), [Yadav, A.R.](#)
Resource Recovery in Municipal Waste Waters, 2023

Review • *Open access*

Dissecting WASH Assessment Tools and Recommending a Comprehensive Tool for Indian Healthcare Facilities

[Trivedi, P.](#), [Bhavsar, P.](#), [Saxena, D.B.](#), ...[Das, T.](#), [Yasobant, S.](#)
Risk Management and Healthcare Policy, 2023

Article

Development of a Feasible Distillation Column for Extracting Ethyl Alcohol from Wastewater

[Desai, S.K.](#), [Sharma, M.](#), [Arya, S.](#)

International Journal of Chemical and Biochemical Sciences, 2023

Book Chapter

Cow farm wastes: A bioresource for sustainable development

[Saxena, D.](#), [Sandhwar, V.K.](#)

Bio-Based Materials and Waste for Energy Generation and Resource Management: Present and Emerging Waste Management Practices: Volume 5 of Advanced Zero Waste Tools, 2023

Book Chapter

The Impact of Climate Change on Crop Production and Combat Strategies

[Singh, A.K.](#), [Rami, E.](#), [Upadhyay, P.](#), [Gangawane, A.K.](#)

Climate Change and Sustainable Development, 2023

Article • *Open access*

Abiotic stresses impact on major cereals and adaptation options - A review

[Gaikwad, D.J.](#), [Ubale, N.B.](#), [Pal, A.](#), ...[Ali, M.A.](#), [Maitra, S.](#)

Research on Crops, 2022

Review • *Open access*

Status of Coal-Based Thermal Power Plants, Coal Fly Ash Production, Utilization in India and Their Emerging Applications

[Yadav, V.K.](#), [Gacem, A.](#), [Choudhary, N.](#), ...[Barik, D.](#), [Islam, S.](#)

Minerals, 2022

Book Chapter

Recycling polymer composites

[Xavier, F.](#)

Thermoplastic Polymer Composites: Processing, Properties, Performance, Applications and Recyclability, 2022

Review • *Open access*

Applications of Nanotechnology-Based Agrochemicals in Food Security and Sustainable Agriculture: An Overview

[Khan, F.](#), [Pandey, P.](#), [Upadhyay, T.K.](#)

Agriculture (Switzerland), 2022

Article • *Open access*

Polyhydroxybutyrate (PHB)-Based Biodegradable Polymer from *Agromyces indicus*: Enhanced Production, Characterization, and Optimization

[Adnan, M.](#), [Siddiqui, A.J.](#), [Ashraf, S.A.](#), ...[Sachidanandan, M.](#), [Patel, M.B.](#)
Polymers, 2022

Article • *Open access*

[Accomplishing Sustainability in Manufacturing System for Small and Medium-Sized Enterprises \(SMEs\) through Lean Implementation](#)

[Qureshi, K.M.R.](#), [Mewada, B.G.](#), [Alghamdi, S.Y.](#), ...[Qureshi, M.R.N.](#), [Mansour, M.A.](#)
Sustainability (Switzerland), 2022

Article

[Giardia lamblia infection and associated risk factors among patients attending Kochore Health Center, Ethiopia](#)

[Hajare, S.T.](#), [Betcha, A.](#), [Sharma, R.J.](#), ...[Kuddus, M.A.](#), [Eriso, F.](#)
Infectious Diseases Now, 2022

Article • *Open access*

[Groundwater quality assessment in proximity to solid waste dumpsite at Uruli Devachi in Pune, Maharashtra](#)

[Nihalani, S.A.](#), [Behede, S.N.](#), [Meeruty, A.R.](#)
Water Science and Technology, 2022

Book Chapter

[Biochemical aspects and cultivation of medicinal mushroom pleurotus florida on cellulosic waste of cotton and paper](#)

[Nisha.](#), [Chhatbar, A.](#), [Chhatbar, H.](#), [Arya, A.](#)
Biology, Cultivation and Applications of Mushrooms, 2022

Book Chapter

[Biochar technology: A promising approach to mitigate environmental pollutants](#)

[Reddy, S.](#), [Lakkakul, R.](#), [Hirapure, P.](#), [Upadhye, V.J.](#)
Synergistic Approaches for Bioremediation of Environmental Pollutants: Recent Advances and Challenges, 2022

Book Chapter

[Applications of Metagenomics in Microbial Diversity and Function Analysis: Recent Trends and Advances](#)

[Savalia, H.J.](#), [Shrivastav, A.](#)
Omics Insights in Environmental Bioremediation, 2022

Conference Paper

[IoT and ML based Irrigation System using KNN Algorithm](#)

[Kumar Pandey, A.K.](#), [Patel, Y.](#)
Proceedings of 5th International Conference on Contemporary Computing and Informatics, IC3I 2022, 2022

Review • *Open access*

Nanotechnology-based advancements in postharvest management of horticultural crops

Upadhyay, T.K., Varun Kumar, V.S., Sharangi, A.B., ...Baba, A.Y., Hakeem, K.R.

Phyton-International Journal of Experimental Botany, 2022

Conference Paper

Comparative study of 4-dimensional DSA on electrochemical treatability of a reactive dye

Saxena, P., Ruparelia Jayesh, P.P., Saxena, P.

Materials Today: Proceedings, 2022

Book Chapter

Behavioral Changes in Strength of Concrete Reinforced by Waste Plastic Fibers

Patel, N.M., Patel, M.N.

Lecture Notes in Networks and Systems, 2022

Review

Quinoxaline as Ubiquitous Structural Fragment: An Update on the Recent Development of its Green Synthetic Approaches

Patel, A.D., Shah, D.V., Patel, N., ...Bhimani, B.V., Bambharoliya, T.

Current Organic Chemistry, 2021

Article • *Open access*

Evaluation of Cytotoxicity and Genotoxicity of Water from Nag River, Nagpur, India

Hirapure, P., Paranjape, S.A., Sarodaya, V.S., Mehere, B.A., Upadhye, V.J.

Nature Environment and Pollution Technology, 2021

Conference Paper

Cleanliness Automation: YOLOv3

Hiteshkumar, G., Gour, P., Steeve, N., Parmar, T., Singh, P.

2021 6th International Conference for Convergence in Technology, I2CT 2021, 2021

Book Chapter

Microorganism: an ecofriendly tool for waste management and environmental safety

Parmar, S., Daki, S., Bhattacharya, S., Shrivastav, A.

Development in Wastewater Treatment Research and Processes: Innovative Microbe-Based Applications for Removal of Chemicals and Metals in Wastewater Treatment Plants, 2021

Book Chapter

Enzymatic decolorization and degradation of azo dyes

Bharatbhai Vishani, D., Shrivastav, A.

Development in Wastewater Treatment Research and Processes: Innovative Microbe-Based Applications for Removal of Chemicals and Metals in Wastewater Treatment Plants, 2021

Book Chapter

Biofuels and bioproducts from seaweeds

[Nagula, K.N.](#), [Sati, H.](#), [Trivedi, N.](#), [Reddy, C.R.](#)

Advanced Biofuel Technologies: Present Status, Challenges and Future Prospects, 2021

Book Chapter

Insights on broad spectrum applications and pertinence of biofiltration in various fields

[Parmar, S.](#), [Shrivastav, A.](#), [Bhattacharya, S.](#)

An Innovative Role of Biofiltration in Wastewater Treatment Plants (WWTPs), 2021

Book Chapter

Membrane bioreactors for wastewater treatment

[Gadkari, J.](#), [Shrivastav, A.](#), [Bhattacharya, S.](#)

Membrane-based Hybrid Processes for Wastewater Treatment, 2021

Conference Paper

Green Supplier Selection: An Empirical Investigation

[Ghosh, S.](#), [Bhowmik, C.](#), [Mandal, M.C.](#), [Ray, A.](#)

Smart Innovation, Systems and Technologies, 2021

Article • *Open access*

Advances in methods for recovery of ferrous, alumina, and silica nanoparticles from fly ashwaste

[Yadav, V.K.](#), [Fulekar, M.H.](#)

Ceramics, 2020

Article

Physico-chemical and microbial assessment of Industrial dye effluent collected from Naroda G.I.D.C, Ahmedabad, Gujarat, India

[Modi, S.](#), [Fulekar, M.H.](#)

Research Journal of Chemistry and Environment, 2020

Article

Development of efficient solid waste management system in a town area of Gujarat state: Mahisagar district

[Mahajan, S.](#), [Sadh, H.](#), [Soni, J.](#)

International Journal of Advanced Research in Engineering and Technology, 2020

Article

A study on environmental education-a barefoot college model understanding

[Iqbal, M.](#), [Pandit, D.](#), [Chauhan, R.](#), [Susilawati, S.](#), [Patriani, Y.](#)

International Journal of Advanced Science and Technology, 2020

Book Chapter

The degradation of plastic by microorganisms: A way for a bright future

[Kazi, S.M.](#), [Khan, A.](#), [Shrivastav, A.](#)

Recent Advances in Biotechnology, 2019

Article • *Open access*

A resourceful methodology to profile indolic auxins produced by rhizo-fungi using spectrophotometry and HPTLC

[Patel, D.S.](#), [Patel, A.](#), [Vora, D.](#), ...[Acharya, D.K.](#), [Goswami, D.](#)

3 Biotech, 2018

Conference Paper

Environmental Aging Effect and Geotechnical Stabilization of Organic Waste on Soil

[Hasilkar, N.B.](#), [Shweta, M.](#), [Parmar, M.](#), [Rathod, P.](#), [Patel, R.](#)

Sustainable Civil Infrastructures, 2018



SDG 13: Climate Action

Article

[Potential of solar thermal collector combined with dual phase change materials for different energy demands: An energy, economic, and environmental assessment](#)

[Chopra, K., Tyagi, V.V., Enosh, R.B., ...Rajamony, R.K., Kumar Pandey, A.K.](#)
International Communications in Heat and Mass Transfer, 2024

Article

[Organic municipal solid waste derived hydrogen production through supercritical water gasification process configured with K₂CO₃/SiO₂: Performance study](#)

[Mohammed](#)
[Soudagar, M.E., Upadhyay, V.V., Bhooshanam, N.N., ...Alotaibi, M.A., Seikh, A.H.](#)
Biomass and Bioenergy, 2024

Article • *Open access*

[Assessing Drivers Influencing Net-Zero Emission Adoption in Manufacturing Supply Chain: A Hybrid ANN-Fuzzy ISM Approach](#)

[Yadav, A., Sachdeva, A.K., Garg, R.K., ...Qureshi, M.R.N., Mansour, M.A.](#)
Sustainability (Switzerland), 2024

Article • *Open access*

[Achieving Net-Zero in the Manufacturing Supply Chain through Carbon Capture and LCA: A Comprehensive Framework with BWM-Fuzzy DEMATEL](#)

[Yadav, A., Sachdeva, A.K., Garg, R.K., ...Qureshi, M.R.N., Mansour, M.A.](#)
Sustainability (Switzerland), 2024

Review • *Open access*

[Climate Change Impacts on Legume Physiology and Ecosystem Dynamics: A Multifaceted Perspective](#)

[Dave, K.P., Kumar, A., Dave, N., ...Yadav, A., Kaushik, P.](#)
Sustainability (Switzerland), 2024

Erratum

[Corrigendum to “Cu₂O/SiC photocatalytic reduction of carbon dioxide to methanol using visible light on InTaO₄” \[Mater. Sci. Semicond. Process. 174 \(2024\) 108235\] \(Materials Science in Semiconductor Processing \(2024\) 174, \(S1369800124001318\), \(10.1016/j.mssp.2024.108235\)\)](#)

[Oni, B.A., Sanni, S.E., Tomomewo, O.S., Bade, S.O.](#)
Materials Science in Semiconductor Processing, 2024

Article • *Open access*

Burden of disease scenarios for 204 countries and territories, 2022–2050: a forecasting analysis for the Global Burden of Disease Study 2021

[Vollset, S.E.](#), [Ababneh, H.S.](#), [Abate, Y.H.](#), ...[Alqutaibi, A.Y.](#), [Alrawashdeh, A.A.](#).
The Lancet, 2024

Article

Cu₂O/SiC photocatalytic reduction of carbon dioxide to methanol using visible light on InTaO₄

[Oni, B.A.](#), [Sanni, S.E.](#), [Tomomewo, O.S.](#), [Bade, S.O.](#).
Materials Science in Semiconductor Processing, 2024

Book Chapter

Nanoparticles for crop improvement and management

[Das, R.](#), [Kumar, P.](#), [Agrawal, S.](#), ...[Mishra, S.K.](#), [Tiwari, K.N.](#).
Sustainable Agriculture: Nanotechnology and Biotechnology for Crop Production and Protection, 2024

Article

Empowering hybrid renewable energy systems with BESS for self-consumption and self-sufficiency

[Barva, A.V.](#), [Joshi, S.](#).
Journal of Energy Storage, 2024

Article

Unveiling the potential of membrane in climate change mitigation and environmental resilience in ecosystem

[Ahmad, T.](#), [Kumar, N.](#), [Kumar, A.](#), ...[Paswan, B.K.](#), [Qiblawey, H.](#).
Environmental Research, 2024

Article

Estimation of land surface temperature and LULC changes impact on groundwater resources in the semi-arid region of Madhya Pradesh, India

[Moharir, K.N.](#), [Baliram Pande, C.](#), [Kumar Gautam, V.](#), ...[Pramanik, M.K.](#), [Elsahabi, M.A.](#).
Advances in Space Research, 2024

Book Chapter

Biomass-Derived Biochar for Environmental Remediation

[Sharma, C.](#), [Saxena, J.](#), [Pathak, P.](#), [Kumar, S.](#).
Materials Horizons: From Nature to Nanomaterials, 2024

Book Chapter

Climate Change Impact on Hydrogeochemical Characteristics of Himalayan Glacier Meltwater

[Kumar, R.D.S.](#), [Kumar, R.](#), [Singh, A.K.](#), ...[Sharma, A.](#), [Singh, J.V.](#)
Sustainable Development Goals Series, 2024

Book Chapter

[Impact of Changing Climate on the Cryospheric Region and Glacier Retreat in the Himalayan Region](#)

[Kumar, P.S.](#), [Shah, D.](#), [Singh, S.](#), ...[Bisht, H.C.S.](#), [Tariq, M.](#)
Sustainable Development Goals Series, 2024

Book Chapter

[Role of Aerosols in Atmospheric Dynamics and Deciphering the Climate Change](#)

[Pippal, P.S.](#), [Kumar, R.](#), [Kumar, R.D.S.](#), ...[Singh, J.V.](#), [Joshi, S.](#)
Sustainable Development Goals Series, 2024

Article • *Open access*

[Geospatial evaluation of normalized difference vegetation index \(NDVI\) and urban heat island: a spatio-temporal study of Gandhinagar City, Gujarat, India](#)

[Modi, T.](#), [Ghosh, T.](#), [Ali, D.](#), ...[Niazi, P.](#), [Yadav, V.K.](#)
Geomatics, Natural Hazards and Risk, 2024

Article

[Role of acrylate terpolymers in flow assurance studies of crude oil](#)

[Patel, Z.](#), [Patel, J.](#), [Nagar, A.](#)
Petroleum Science and Technology, 2024

Conference Paper

[Prediction of EV charging & Impact analysis on Indian Grid](#)

[Patel, B.K.M.](#), [Prajapati, H.](#), [Mokariya, K.L.](#)
AIP Conference Proceedings, 2023

Conference Paper

[To Understand the Significance of Financial Management in Construction Sector](#)

[Shah, S.](#), [Bachwani, D.](#)
AIP Conference Proceedings, 2023

Conference Paper

[Microgrid Architecture for Distributed Generation: Issues and Challenges](#)

[Joseph, B.K.](#), [Shah, A.P.](#), [Jadhav, G.J.](#)
AIP Conference Proceedings, 2023

Article

[Strategies for development of smart and green products using Blockchain-IoT integrated architecture](#)

[Rane, S.B.](#), [Potdar, P.R.](#), [Aware, S.](#)
Operations Management Research, 2023

Article

THE IMPACT OF CLIMATE CHANGE ON INFECTIOUS DISEASES: A COMPREHENSIVE ANALYSIS OF VECTOR-BORNE DISEASES, WATER-BORNE DISEASES, AND PUBLIC HEALTH STRATEGIES

[Patel, G.M.](#), [Nidhi.](#), [Gupta, K.R.L.](#), ...[Gupta, S.K.](#), [Krupa, S.](#)
Georgian Medical News, 2023

Article • *Open access*

Modelling the Construction Projects Implementation Barriers: A Structure Equation Modelling Approach

[Almakayeel, N.M.](#), [Buniya, M.K.](#), [Abubakar, A.S.](#), ...[Qureshi, K.M.R.](#), [Qureshi, M.R.N.](#)
Buildings, 2023

Article

A generalized payment policy for deteriorating items when demand depends on price, stock, and advertisement under carbon tax regulations

[Chaudhari, U.B.](#), [Bhadoriya, A.](#), [Jani, M.Y.](#), [Sarkar, B.](#)
Mathematics and Computers in Simulation, 2023

Article

Analyzing the Public Opinion as a Guide for Renewable-Energy Status in Malaysia: A Case Study

[Qazi, A.](#), [Bhowmik, C.](#), [Hussain, F.](#), ...[Gumaei, A.H.](#), [Al-Rakhami, M.S.](#)
IEEE Transactions on Engineering Management, 2023

Conference Paper

Computational Intelligence Router of Machine and Artificial Intelligence Learning for the Expansion of Agriculture's Manufacturing Sector

[Ramakrishnan, R.](#), [Alanya-Beltran, J.](#), [Akram, S.V.](#), ...[Sanjay, C.P.](#), [Ponnusamy, R.](#)
2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2023, 2023

Review • *Open access*

Dissecting WASH Assessment Tools and Recommending a Comprehensive Tool for Indian Healthcare Facilities

[Trivedi, P.](#), [Bhavsar, P.](#), [Saxena, D.B.](#), ...[Das, T.](#), [Yasobant, S.](#)
Risk Management and Healthcare Policy, 2023

Article

Global Warming Effects on Water Supplies and Productivity of Crops

[Mathur, M.](#), [Thaker, T.H.](#), [Saxena, S.](#)
International Journal of Chemical and Biochemical Sciences, 2023

Article

Evaluation of the Greenhouse Gas Emissions by Farming Soils Treated with Manure

[Das, T.](#), [Upadhye, V.J.](#), [Singh, P.K.](#)

International Journal of Chemical and Biochemical Sciences, 2023

Article

An Intercultural Analysis on Farmers' Opinions and Intentions Regarding Global Warming

[Sharma, K.](#), [Patel, K.G.](#), [Yadav, U.](#)

International Journal of Chemical and Biochemical Sciences, 2023

Conference Paper

Frequency Stability Analysis in Islanded Microgrid via Sliding Mode

[Arkdev.](#), [Barva, A.V.](#), [Verma, V.K.](#), [Anand, S.](#)

2023 International Conference on Power, Instrumentation, Control and Computing, PICC 2023, 2023

Book Chapter

Comprehensive Study on Next-Generation IoT: Energy-Efficient Green IoT

[Patel, M.](#), [Shah, P.V.](#), [Patel, R.](#), [Swaminarayan, P.R.](#), [Vaghela, R.](#)

Intelligent Green Communication Network for Internet of Things, 2023

Book Chapter

Climate Change-National Action Plan

[Rai, A.](#), [Fulekar, M.H.](#)

Climate Change and Sustainable Development, 2023

Book Chapter

Environment and Sustainable Development

[Rai, A.](#), [Fulekar, M.H.](#)

Climate Change and Sustainable Development, 2023

Book Chapter

The Impact of Climate Change on Crop Production and Combat Strategies

[Singh, A.K.](#), [Rami, E.](#), [Upadhyay, P.](#), [Gangawane, A.K.](#)

Climate Change and Sustainable Development, 2023

Book

Climate Change and Sustainable Development

[Fulekar, M.H.](#), [Dubey, R.S.](#)

Climate Change and Sustainable Development, 2023

Book Chapter

Climate Change-Global Environmental Concern

[Rai, A., Fulekar, M.H.](#)

Climate Change and Sustainable Development, 2023

Book Chapter

Eco-Hydrology: Conservation of Water Resources

[Rai, A., Fulekar, M.H.](#)

Climate Change and Sustainable Development, 2023

Book Chapter

Climate Change-International Policies

[Rai, A., Fulekar, M.H., Dubey, R.S.](#)

Climate Change and Sustainable Development, 2023

Conference Paper

A Review on IOT as a Green Trade Economy Development Path for Ecological Sustainable Development

[Gandhi, A., Mishra, K.](#)

2023 International Conference on Artificial Intelligence and Smart Communication, AISC 2023, 2023

Article • *Open access*

Abiotic stresses impact on major cereals and adaptation options - A review

[Gaikwad, D.J., Ubale, N.B., Pal, A., ...Ali, M.A., Maitra, S.](#)

Research on Crops, 2022

Article

Combined Effect of Carbon Emission, Exchange Scheme, Trade Credit, and Advertisement Efforts in a Buyer's Inventory Decision

[Bhadoriya, A., Jani, M.Y., Chaudhari, U.B.](#)

Process Integration and Optimization for Sustainability, 2022

Article • *Open access*

Advanced Techniques of Flood Forecasting, Flood Inundation Mapping and Flood Prioritization of Panam River Basin

[Patel, M., Parekh, F.P.](#)

Civil Engineering and Architecture, 2022

Book Chapter

Biochemical aspects and cultivation of medicinal mushroom pleurotus florida on cellulosic waste of cotton and paper

[Nisha., Chhatbar, A., Chhatbar, H., Arya, A.](#)

Biology, Cultivation and Applications of Mushrooms, 2022

Book Chapter

Contactless attendance system: A health-care approach to prevent spreading of Covid-19

[Yadav, A.R.](#), [Kumar, J.](#), [Anumeha.](#), [Agrawal, A.K.](#), [Kumar, R.](#)

Blockchain for 5G Healthcare Applications: Security and privacy solutions, 2022

Article

Selection of optimum green energy sources by considering environmental constructs and their technical criteria: a case study

[Bhowmik, C.](#), [Bhowmik, S.](#), [Ray, A.](#)

Environment, Development and Sustainability, 2021

Book Chapter

An Integrated Entropy-TOPSIS Methodology for Evaluating Green Energy Sources

[Bhowmik, C.](#), [Kaviani, M.A.](#), [Ray, A.](#), [Ocampo, L.A.](#)

Research Anthology on Clean Energy Management and Solutions, 2021

Book Chapter

Membrane bioreactors for wastewater treatment

[Gadkari, J.](#), [Shrivastav, A.](#), [Bhattacharya, S.](#)

Membrane-based Hybrid Processes for Wastewater Treatment, 2021

Conference Paper

Green Supplier Selection: An Empirical Investigation

[Ghosh, S.](#), [Bhowmik, C.](#), [Mandal, M.C.](#), [Ray, A.](#)

Smart Innovation, Systems and Technologies, 2021

Article

CRISPR/CAS9 technology for CROP improvement: A new weapon for indian agricultural threats

[Marotkar, S.](#), [Hirapure, P.](#), [Paranjape, S.A.](#), [Upadhye, V.J.](#)

Plant Cell Biotechnology and Molecular Biology, 2020

Article

An integrated entropy-TOPSIS methodology for evaluating green energy sources

[Bhowmik, C.](#), [Kaviani, M.A.](#), [Ray, A.](#), [Ocampo, L.A.](#)

International Journal of Business Analytics, 2020

Book Chapter

Plant oil biodiesel: Technologies for commercial production, present status and future prospects

[Pathak, A.N.](#), [Talan, A.](#), [Gaurav, K.](#)

Plant Biotechnology: Progress in Genomic Era, 2019

Article

Hydro carbon and carbon monoxide reduction from exhaust of vehicles

Prajapati, R., Patel, J., Soni, R., Modi, S.

International Journal of Engineering and Advanced Technology, 2018

Article

Durability study of binary blended high performance concrete

Patel, V.N., Shah, N.D.

Indian Concrete Journal, 2016



SDG 14: Life Below Water

Article • *Open access*

[Indigo carmine biodegradation by endophytic *Microbacterium zeae* K5: Enzymatic insights, degradation mechanism, and ecotoxicity analysis](#)

[Adnan, M.](#), [Patel, K.](#), [Patel, M.B.](#)

Environmental Technology and Innovation, 2024

Article

[Geochemical fractionation, bioavailability, and ascertaining ecological risk of phosphorus in surface and core sediments of mangroves, western coast of India](#)

[Maurya, P.](#), [Rina, K.](#), [Solanki, J.B.](#), [Ranjan, R.K.](#)

Environmental Science and Pollution Research, 2024

Article

[Structural insights into polyethylene terephthalate \(PET\)-degrading archaeal lipase enzyme: An insilico approach](#)

[Puri, P.](#), [Pandey, K.](#), [Khuman, A.K.](#), ...[Chaudhary, B.](#), [Singhal, B.](#)

Bioremediation Journal, 2024

Book Chapter

[Impact of Changing Climate on the Cryospheric Region and Glacier Retreat in the Himalayan Region](#)

[Kumar, P.S.](#), [Shah, D.](#), [Singh, S.](#), ...[Bisht, H.C.S.](#), [Tariq, M.](#)

Sustainable Development Goals Series, 2024

Article

[A Comprehensive Examination of Thymic Acid's Advantageous Impacts on Fish Nutrient Absorption and Growth](#)

[Singh, R.K.](#), [Raghavendra, R.](#), [Patel, D.J.](#)

Revista Electronica de Veterinaria, 2024

Article • *Open access*

[Significance of Serum Biomarkers in Early Diagnosis of Hepatocellular Carcinoma in Patient with Fisher Groups](#)

[Tufael,](#) [Kar, A.](#), [Upadhye, V.J.](#), ...[Khan, M.S.S.](#), [Sunny, A.R.](#)

Journal of Angiotherapy, 2024

Review • *Open access*

[Resilience and Mitigation Strategies of Cyanobacteria under Ultraviolet Radiation Stress](#)

[Singh, V.K.](#), [Jha, S.](#), [Rana, P.](#), ...[Upadhye, V.J.](#), [Sinha, R.P.](#)

International Journal of Molecular Sciences, 2023

Conference Paper

IoT Applications in Marine Monitoring: Protecting Ocean Health and Biodiversity

[Ranganathan, C.S.](#), [Ramakrishnan, R.](#), [Parikh, S.M.](#), ...[Meenakshi, R.](#), [Muthulekshmi, M.](#)

International Conference on Sustainable Communication Networks and Application, ICSCNA 2023 - Proceedings, 2023

Article • *Open access*

Estimating the production of withaferin A and withanolide A in Withania somnifera (L.) dunal using aquaponics for sustainable development in hill agriculture

[Singh, M.](#), [Bhutani, S.](#), [Dinkar, N.](#), ...[Bhatt, S.C.](#), [Suyal, D.C.](#)

Frontiers in Plant Science, 2023

Book

Climate Change and Sustainable Development

[Fulekar, M.H.](#), [Dubey, R.S.](#)

Climate Change and Sustainable Development, 2023

Book Chapter

Climate Change-Global Environmental Concern

[Rai, A.](#), [Fulekar, M.H.](#)

Climate Change and Sustainable Development, 2023

Book Chapter

Recycling polymer composites

[Xavier, F.](#)

Thermoplastic Polymer Composites: Processing, Properties, Performance, Applications and Recyclability, 2022

Article

Multivariate and Statistical Evaluation of Coastal Water Quality and Seasonal Variation in the Physicochemical Properties of Gulf of Khambhat Region, Gujarat, India

[Singh, J.K.](#), [Kumar, P.S.](#), [Vishwakarma, S.](#)

Water, Air, and Soil Pollution, 2022

Article • *Open access*

Investigations on presence of biopolymer producing microorganism in marine soils & enhanced potential of marine soil by using isolated microorganism

[Thakkar, R.B.](#), [Shah, K.](#), [Mehta, A.](#), ...[Upadhye, V.J.](#), [Panchal, R.R.](#)

Biointerface Research in Applied Chemistry, 2022

Article • *Open access*

Cadmium-Tolerant Plant Growth-Promoting Bacteria *Curtobacterium oceanosedimentum* Improves Growth Attributes and Strengthens Antioxidant System in Chili (*Capsicum frutescens*)

[Patel, M.B.](#), [Patel, K.](#), [Al-Keridis, L.A.](#), ...[Yadav, D.K.](#), [Adnan, M.](#)
Sustainability (Switzerland), 2022

Book Chapter

Applications of Metagenomics in Microbial Diversity and Function Analysis: Recent Trends and Advances

[Savalia, H.J.](#), [Shrivastav, A.](#)
Omics Insights in Environmental Bioremediation, 2022

Book Chapter

Impact of microplastics and nanoplastics interactions with other contaminants in environment

[Pathak, A.N.](#), [Singh, L.K.](#)
Current Developments in Biotechnology and Bioengineering: Microplastics and Nanoplastics: Occurrence, Environmental Impacts and Treatment Processes, 2022

Article • *Open access*

Underwater Acoustic Sensor Network Data Optimization with Enhanced Void Avoidance and Routing Protocol

[Garg, M.](#), [Sharma, S.](#), [Balu, V.](#), ...[Bhatt, P.](#), [Bhagat, A.K.](#)
International Journal of Communication Networks and Information Security, 2022

Book Chapter

Importance and applications of biofilm in microbe-assisted bioremediation

[Gadkari, J.](#), [Bhattacharya, S.](#), [Shrivastav, A.](#)
Development in Wastewater Treatment Research and Processes: Innovative Microbe-Based Applications for Removal of Chemicals and Metals in Wastewater Treatment Plants, 2021

Book Chapter

Insights on broad spectrum applications and pertinence of biofiltration in various fields

[Parmar, S.](#), [Shrivastav, A.](#), [Bhattacharya, S.](#)
An Innovative Role of Biofiltration in Wastewater Treatment Plants (WWTPs), 2021



SDG 15: Life On Land

Article

[A review on e-waste contamination, toxicity, and sustainable clean-up approaches for its management](#)

[Kumar, P.S.](#), [Singh, S.](#), [Gacem, A.](#), ...[Tariq, M.](#), [Waqas Alam, M.W.](#)
Toxicology, 2024

Article • *Open access*

[Unlocking bioremediation potential: harnessing an indigenous bacterial consortium from effluent treatment plants for industrial wastewater treatment](#)

[Rai, A.](#), [Yadav, V.K.](#), [Ali, D.](#), [Fulekar, M.H.](#)
Environmental Research Communications, 2024

Article

[Metagenomic profiling of rhizosphere microbiota: Unraveling the plant-soil dynamics](#)

[Wani, A.K.](#), [Rahayu, F.](#), [Alkahtani, A.M.A.](#), ...[Rahayu, D.M.](#), [Singh, R.](#)
Physiological and Molecular Plant Pathology, 2024

Article

[Optimizing compressive strength in sustainable concrete: a machine learning approach with iron waste integration](#)

[Kumar Tipu, R.K.](#), [Batra, V.](#), [Suman, n.](#), ...[Pandya, K.S.](#), [Patel, G.A.](#)
Asian Journal of Civil Engineering, 2024

Article

[A Novel and Economical Approach for the Fusarium Oxysporum Mediated Myco-Synthesis of Mesoporous Floral-Shaped Silica Nanoparticles from Coal Fly Ash Waste](#)

[Yadav, V.K.](#), [Choudhary, N.](#), [Ali, D.](#), ...[Patel, A.D.](#), [Fulekar, M.H.](#)
Particle and Particle Systems Characterization, 2024

Book Chapter

[Role of microbes in heavy metal bioremediation](#)

[Bora, J.](#), [Acharya, S.](#), [Mondal, S.](#), ...[Rustagi, S.](#), [Lata, S.](#)
Nanotechnology Applications and Innovations for Improved Soil Health, 2024

Review

[Innovative strategies to manage polluted aquatic ecosystem and agri-food waste for circular economy](#)

[Trivedi, R.](#), [Upadhyay, T.K.](#), [Khan, F.](#), ...[Emran, T.B.](#), [Siddique, M.A.B.](#)
Environmental Nanotechnology, Monitoring and Management, 2024

Article • *Open access*

[Assessment of The Bioremediation Potential of Selected Bacterial Species Isolated from the Textile Printing Wastewater Inoculated with Cow Dung](#)

[Dhameliya, K.B.](#), [Ambasana, C.](#), [Agrawal, G.](#)

Journal of Pure and Applied Microbiology, 2024

Article

[Chaos inspired invasive weed optimization algorithm for parameter estimation of solar PV models](#)

[Chauhan, U.](#), [Chhabra, H.](#), [Jain, P.](#), ...[Chauhan, N.](#), [Kumar, B.V.V.N.](#)

IFAC Journal of Systems and Control, 2024

Review

[A review on fluoride contamination in groundwater and human health implications and its remediation: A sustainable approaches](#)

[Kumar, P.S.](#), [Kumar, M.](#), [Barnawi, A.B.](#), ...[Vinayak, V.](#), [Wanale, S.G.](#)

Environmental Toxicology and Pharmacology, 2024

Article • *Open access*

[Assessment of antimicrobial activity and methyl orange dye removal by Klebsiella pneumoniae-mediated silver nanoparticles](#)

[Desai, R.](#), [Yadav, V.K.](#), [Patel, B.K.](#), ...[Sahoo, D.K.](#), [Patel, A.D.](#)

Green Processing and Synthesis, 2024

Article

[Biosorption of Hexavalent Chromium by Shewanella putrefaciens MTCC 8104: Response Surface Methodology Optimization and Mechanistic Insights](#)

[Sable, H.](#), [Kumar, V.](#), [Mishra, R.](#), ...[Sharma, K.D.](#), [Verma, R.K.](#)

Indian Journal of Microbiology, 2024

Conference Paper

[Monitoring Water Levels in Rivers with optical fiber sensors](#)

[Dalai, C.](#), [Singh, M.K.](#), [Sunad Kumara, A.N.](#), ...[Patil, H.](#), [Maranan, R.](#)

2024 5th International Conference on Innovative Trends in Information Technology, ICITIIT 2024, 2024

Review • *Open access*

[Enhancing efficacy of microbial bioremediation by intervention of nanotechnology and metabolic engineering: A review](#)

[Mehta, S.](#), [Prasad, M.E.](#), [Upadhye, V.J.](#), [Goswami, S.](#), [Singh, P.](#)

Journal of Applied and Natural Science, 2024

Conference Paper

Robotic Solutions for Geothermal and Energy Sector Monitoring with IoT Random Forest Algorithm

[Baskar, V.V.](#), [Ramakrishnan, R.](#), [Kantilal, P.P.](#), ...[Vasmatkar, A.D.](#), [Suganya, J.](#)

Proceedings of the 2024 10th International Conference on Communication and Signal Processing, ICCSP 2024, 2024

Conference Paper

Design, Calibration, and Navigation of Bird Ambulance Drone Using APM Flight Controller

[Vishwath, N.C.](#), [Pandey, S.K.](#), [Phanendra, V.](#), [Amarnath, K.](#), [Reddy, T.](#)

Lecture Notes in Mechanical Engineering, 2024

Article • *Open access*

Bibliometric analysis of studies on threat assessment and prioritization of species for conservation

[Wani, Z.A.](#), [Pant, S.](#), [Bhat, J.A.](#), ...[Siddiqui, S.](#), [Alshaharni, M.O.](#)

Frontiers in Forests and Global Change, 2024

Conference Paper

Parametric Optimization of Biological Process for the Treatment of Textile Wastewater

[Saxena, D.](#), [Sandhwar, V.K.](#), [Saxena, S.](#), [Saha, S.](#)

AIP Conference Proceedings, 2023

Article

Microbial approaches for pharmaceutical wastewater recycling and management for sustainable development: A multicomponent approach

[Chauhan, B.](#), [Dodamani, S.S.](#), [Malik, S.](#), ...[Haque, S.](#), [Sayyed, R.Z.](#)

Environmental Research, 2023

Article

Nanobioremediation: a bacterial consortium-zinc oxide nanoparticle-based approach for the removal of methylene blue dye from wastewater

[Modi, S.](#), [Yadav, V.K.](#), [Amari, A.](#), ...[Igwegbe, C.A.](#), [Fulekar, M.H.](#)

Environmental Science and Pollution Research, 2023

Article

An inclusive outlook on the fate and persistence of pesticides in the environment and integrated eco-technologies for their degradation

[Chaudhari, Y.S.](#), [Kumar, P.S.](#), [Soni, S.](#), ...[Yadav, P.](#), [Yadav, K.K.](#)

Toxicology and Applied Pharmacology, 2023

Article

Purification of Lipase from Pseudomonas aeruginosa VSJK R-9 and Its Application in Combination with the Lipolytic Consortium for Bioremediation of Restaurant Wastewater

[Sutar, V.P.](#), [Mali, G.V.](#), [Upadhye, V.J.](#), [Singh, V.K.](#), [Sinha, R.P.](#)
Applied Biochemistry and Biotechnology, 2023

Conference Paper

[Robotic Weed Control and Biodiversity Preservation: IoT Solutions for Sustainable Farming](#)

[Ramakrishnan, R.](#), [Parvathy, P.R.](#), [Sapra, P.](#), [Sonule, V.B.](#), [Murugan, S.](#)
7th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2023 - Proceedings, 2023

Book Chapter

[Bio and bio-based hybrid techniques for municipal wastewater treatment and resource recovery](#)

[Sandhwar, V.K.](#), [Saxena, S.](#), [Joshi, U.A.](#), [Yadav, A.R.](#)
Resource Recovery in Municipal Waste Waters, 2023

Article • *Open access*

[Estimating the production of withaferin A and withanolide A in Withania somnifera \(L.\) dunal using aquaponics for sustainable development in hill agriculture](#)

[Singh, M.](#), [Bhutani, S.](#), [Dinkar, N.](#), ...[Bhatt, S.C.](#), [Suyal, D.C.](#)
Frontiers in Plant Science, 2023

Book Chapter

[Introduction to Medicinal and Aromatic Plants: Diversity, Biogeographic Distribution and Conservation Status](#)

[Surti, M.](#), [Patel, M.](#)
Ethnobotany and Ethnopharmacology of Medicinal and Aromatic Plants: Steps Towards Drug Discovery, 2023

Review • *Open access*

[Revisiting the Green Synthesis of Nanoparticles: Uncovering Influences of Plant Extracts as Reducing Agents for Enhanced Synthesis Efficiency and Its Biomedical Applications](#)

[Singh, H.](#), [Desimone, M.F.](#), [Pandya, S.R.](#), ...[Bazaid, A.S.](#), [Alderhami, S.A.](#)
International Journal of Nanomedicine, 2023

Review • *Open access*

[The Possibilities of Gene Drives for Managing Populations and Controlling Diseases | Posibilidades de los impulsores genéticos para la gestión de poblaciones y el control de enfermedades](#)

[Vijay Upadhye, J.](#), [Shah, U.N.](#), [Mudhol, B.](#)
Salud, Ciencia y Tecnologia, 2023

Article

[An Intercultural Analysis on Farmers' Opinions and Intentions Regarding Global Warming](#)

[Sharma, K.](#), [Patel, K.G.](#), [Yadav, U.](#)

International Journal of Chemical and Biochemical Sciences, 2023

Article

[Analyzing the Harmful Effects of Arsenic Oxides on the Morphological and Biochemical Domains of the Water Lily Plant](#)

[Sharma, D.](#), [Upadhye, V.J.](#), [Gupta, R.](#)

International Journal of Chemical and Biochemical Sciences, 2023

Book Chapter

[Cow farm wastes: A bioresource for sustainable development](#)

[Saxena, D.](#), [Sandhwar, V.K.](#)

Bio-Based Materials and Waste for Energy Generation and Resource Management: Present and Emerging Waste Management Practices: Volume 5 of Advanced Zero Waste Tools, 2023

Book

[Climate Change and Sustainable Development](#)

[Fulekar, M.H.](#), [Dubey, R.S.](#)

Climate Change and Sustainable Development, 2023

Book Chapter

[Pretreatment of lignocellulosic biomass and 2G ethanol](#)

[Panchal, H.J.](#), [Kumar, K.](#)

Biomass and Bioenergy Solutions for Climate Change Mitigation and Sustainability, 2022

Article • *Open access*

[Did Covid-19 lockdown positively affect the urban environment and UN- Sustainable Development Goals?](#)

[Nigam, R.](#), [Tripathi, G.](#), [Priya, T.](#), ...[Damásio, B.](#), [Kotha, M.](#)

PLoS ONE, 2022

Review • *Open access*

[Environmental and human health implications of metal\(loid\)s: Source identification, contamination, toxicity, and sustainable clean-up technologies](#)

[Kumar, P.S.](#), [Gacem, A.](#), [Ahmad, M.T.](#), ...[Jeon, B.](#), [Cabral-Pinto, M.M.d.S.](#)

Frontiers in Environmental Science, 2022

Article

[Effect of bioremediation technique on engineering properties of crude oil-contaminated soil](#)

[Rathod, V.P.](#), [Parekh, H.H.](#), [Rajpura, P.D.](#), ...[Panchal, R.R.](#), [Upadhye, V.J.](#)
Biocatalysis and Agricultural Biotechnology, 2022

Article

Bacterial biofilm mediated bioremediation of hexavalent chromium: A review

[Bhunia, A.](#), [Lahiri, D.](#), [Nag, M.](#), [Upadhye, V.J.](#), [Pandit, S.](#)
Biocatalysis and Agricultural Biotechnology, 2022

Article

Bioconversion dynamics for bioremediation of chlorpyrifos pesticide using bacterial consortia in two immiscible liquid phase partitioning bioreactor

[Ravi, R.K.](#), [Singh, M.M.](#), [Fulekar, M.H.](#)
Biomass Conversion and Biorefinery, 2022

Article • *Open access*

Cadmium-Tolerant Plant Growth-Promoting Bacteria *Curtobacterium oceanosedimentum* Improves Growth Attributes and Strengthens Antioxidant System in Chili (*Capsicum frutescens*)

[Patel, M.B.](#), [Patel, K.](#), [Al-Keridis, L.A.](#), ...[Yadav, D.K.](#), [Adnan, M.](#)
Sustainability (Switzerland), 2022

Book Chapter

Application of Biochar for Soil Remediation

[Parmar, S.](#), [Daki, S.](#), [Shrivastav, A.](#)
Biochar and its Application in Bioremediation, 2022

Conference Paper

Thermal Image-Based Fault Analysis of Induction Motors using a Novel Machine Learning Model

[Bhagat, A.K.](#), [Chauhan, A.](#)
Proceedings of the 2022 11th International Conference on System Modeling and Advancement in Research Trends, SMART 2022, 2022

Article

Cadmium phytoremediation potential of Deenanath grass (*Pennisetum pedicellatum*) and the assessment of bacterial communities in the rhizospheric soil

[Kumar, P.S.](#), [Fulekar, M.H.](#)
Environmental Science and Pollution Research, 2022

Book Chapter

Importance and applications of biofilm in microbe-assisted bioremediation

[Gadkari, J.](#), [Bhattacharya, S.](#), [Shrivastav, A.](#)
Development in Wastewater Treatment Research and Processes: Innovative Microbe-Based Applications for Removal of Chemicals and Metals in Wastewater Treatment Plants, 2021

Book Chapter

BIOREMEDIATION OF SOILS POLLUTED WITH HEXAVALENT CHROMIUM USING BACTERIA

[Karkhanis, R.K., Shrivastav, A.](#)

An Innovative Approach of Advanced Oxidation Processes in Wastewater Treatment, 2021

Book Chapter

Metal–organic framework-based nanostructures for biomedical applications

[Pandya, S.R., Undre, S.B.](#)

Nanotechnology in the Life Sciences, 2021

Book Chapter

Rhizospheric microorganisms for the remediation of contaminants for ecological restoration

[Rai, A., Fulekar, J., Fulekar, M.H.](#)

Plant Microbiome Paradigm, 2020

Article

In vitro hairy root culture: A promising approach to investigate molecular mechanism of phytoremediation

[Hirapure, P., Upadhye, V.J., Shanaware, A.](#)

Plant Archives, 2019



SDG 16: Peace, Justice and Strong Institutions

Article • *Open access*

[Achieving Net-Zero in the Manufacturing Supply Chain through Carbon Capture and LCA: A Comprehensive Framework with BWM-Fuzzy DEMATEL](#)

[Yadav, A.](#), [Sachdeva, A.K.](#), [Garg, R.K.](#), ...[Qureshi, M.R.N.](#), [Mansour, M.A.](#).
Sustainability (Switzerland), 2024

Book Chapter

[Ecotech harmony: A case study of sustainable resource management through ai integration and online community engagement in the circular economy-insights from leading brands](#)

[Thakkar, A.](#), [Zaveri, B.](#), [Mathewos, T.](#).
Utilizing Technology for Sustainable Resource Management Solutions, 2024

Article • *Open access*

[Journey From a Digital Innovation to a Sustainable Health Worker Capacity-Building App in India: Experiences, Challenges, and Lessons Learned](#)

[Chase, R.](#), [Sanyal, S.](#), [Singh, P.](#), ...[Soni, G.K.](#), [Ganguly, P.](#).
Global Health Science and Practice, 2024

Conference Paper

[Violence Activity Detection Techniques – A Review](#)

[Bhalodia, S.](#), [Vekariya, V.M.](#).
AIP Conference Proceedings, 2023

Book

[Exploring culture and heritage through experience tourism](#)

[Rawal, Y.S.](#), [Sinha, R.](#), [Mukherjee, S.K.](#), [Batabyal, D.](#).
Exploring Culture and Heritage Through Experience Tourism, 2023

Book Chapter

[Cyber quantum computing \(Security\) using rectified probabilistic packet mark for big data](#)

[Turukmane, A.V.](#), [Khekare, G.S.](#).
Quantum Computing in Cybersecurity, 2023

Book Chapter

[Safety and quality management \(TQM\)-Implementation in the construction](#)

[Tilokani, M.](#), [Pipaliya, J.](#), [Malek, M.S.](#).
Emerging Trends and Innovations in Industries of the Developing World: A Multidisciplinary Approach, 2023

Conference Paper

Examining the Ethical Implications and Technical Capabilities of Key-logger Software

[Shukla, V.](#), [Shukla, Y.](#), [Patel, A.](#)

3rd International Conference on Innovative Mechanisms for Industry Applications, ICIMIA 2023 - Proceedings, 2023

Article • *Open access*

Improving the health outcomes of individuals with chronic illness through the delivery of healthcare services | Mejora de la calidad de vida de las personas con enfermedades crónicas a través de la prestación de servicios de atención médica

[Joseph, L.](#), [Devanshu Patel, J.](#), [Sandeep Kumar, C.](#)

Salud, Ciencia y Tecnologia, 2023

Conference Paper

Crime Analysis and Prediction in 7 States of India Using Statistical Software RStudio

[Sharma, A.](#), [Sharma, C.S.](#), [Sharma, R.](#), [Panchal, K.D.](#)

Lecture Notes in Networks and Systems, 2023

Conference Paper

Generalized Immutable Ledger (GILED) using Blockchain Technology

[Bari, H.](#), [Patel, N.](#)

2023 IEEE International Students' Conference on Electrical, Electronics and Computer Science, SCEECS 2023, 2023

Article • *Open access*

Accomplishing Sustainability in Manufacturing System for Small and Medium-Sized Enterprises (SMEs) through Lean Implementation

[Qureshi, K.M.R.](#), [Mewada, B.G.](#), [Alghamdi, S.Y.](#), ...[Qureshi, M.R.N.](#), [Mansour, M.A.](#)

Sustainability (Switzerland), 2022

Article • *Open access*

Knowledge, Attitude, and Practice of Community towards an Onchocerciasis Elimination Program from South West Ethiopia

[Worku, H.](#), [Mola, M.](#), [Derebew, B.](#), ...[Kuddus, M.](#), [Upadhye, V.J.](#)

Journal of Tropical Medicine, 2022

Article • *Open access*

You want to deal with power while riding on power': Global perspectives on power in participatory health research and co-production approaches

[Egid, B.R.](#), [Roura, M.](#), [Aktar, B.](#), ...[Zimmerman, E.B.](#), [Ozano, K.](#)

BMJ Global Health, 2021

Conference Paper

AISHE-Onto: A Semantic Model for Public Higher Education Universities

[Panchal, R.](#), [Swaminarayan, P.R.](#), [Tiwari, S.M.](#), [Ortiz-Rodríguez, F.](#)
ACM International Conference Proceeding Series, 2021

Article

[International migration: Major challenges and analysis of human resource management for supply chains](#)

[To Nguyen, Q.L.H.T.](#), [Nguyen, P.T.](#), [Chauhan, R.](#), ...[Vo, K.](#), [Phan, P.T.](#)
International Journal of Supply Chain Management, 2019

Conference Paper

[A comparative study on various aspects of security of geospatial data](#)

[Rajpoot, M.S.](#), [Patel, P.A.](#)
Proceedings - 2014 4th International Conference on Communication Systems and Network Technologies, CSNT 2014, 2014



SDG 17: Partnerships for the goals

Article

[Navigating the landscape of precision horticulture: Sustainable agriculture in the digital Age](#)

[Kumar, S.](#), [Wani, A.W.](#), [Kaushik, R.](#), ...[Yadav, K.K.](#), [Wani, A.K.](#)
Scientia Horticulturae, 2024

Article • *Open access*

[Prevalence of human papillomavirus infection and associated factors among women attending cervical cancer screening in setting of Addis Ababa, Ethiopia](#)

[Tsfaye, E.](#), [Kumbi, B.](#), [Mandefro, B.](#), ...[Upadhye, V.J.](#), [Hajare, S.T.](#)
Scientific Reports, 2024

Review • *Open access*

[Enhancing forensic education: exploring the importance and implementation of evidence-based education system](#)

[Nilendu, D.](#)
Egyptian Journal of Forensic Sciences, 2024

Article

[A review on e-waste contamination, toxicity, and sustainable clean-up approaches for its management](#)

[Kumar, P.S.](#), [Singh, S.](#), [Gacem, A.](#), ...[Tariq, M.](#), [Waqas Alam, M.W.](#)
Toxicology, 2024

Article • *Open access*

[Environmental sustainability and waste conversion of Prosopis juliflora fibre-reinforced ZnO nanofiller particulates PLA composite- mechanical and thermal analysis](#)

[Thandavamoorthy, R.](#), [Mohanavel, V.](#), [Sivapragasam, A.](#), ...[Alharbi, S.A.](#), [Basavegowda, N.](#)
Heliyon, 2024

Review • *Open access*

[Phytochemical, biological, and nutritional properties of the prickly pear, Opuntia dillenii: A review](#)

[Loukili, E.H.](#), [Merzouki, M.](#), [Taibi, M.](#), ...[Kumar, P.S.](#), [Choi, J.](#)
Saudi Pharmaceutical Journal, 2024

Article

[Diffusion dynamics of the informal sector sustainable innovations: Exploring cases of grassroots innovations in India](#)

[Lakum, A.C.](#), [Namrata, n.](#), [Kumar, H.](#)

Environmental Innovation and Societal Transitions, 2024

Article • *Open access*

[Achieving Net-Zero in the Manufacturing Supply Chain through Carbon Capture and LCA: A Comprehensive Framework with BWM-Fuzzy DEMATEL](#)

[Yadav, A.](#), [Sachdeva, A.K.](#), [Garg, R.K.](#), ...[Qureshi, M.R.N.](#), [Mansour, M.A.](#)

Sustainability (Switzerland), 2024

Article

[Efficient synthesis and characterization of imidazo\[1,2-a\]pyridine-8-carboxamide derivatives: A promising scaffold for drug development](#)

[Bhatt, K.](#), [Patel, D.D.](#), [Rathod, M.M.](#), [Patel, A.D.](#), [Shah, D.V.](#)

Vietnam Journal of Chemistry, 2024

Article

[An Empirical Analysis of The Mandate Of Higher Educational Institutions In Promoting International Public Sector Accounting Standards \(IPSAS\) Adoption In Ghana](#)

[Doe-Dartey, R.K.](#), [Valand, J.B.](#)

Library Progress International, 2024

Review • *Open access*

[Climate Change Impacts on Legume Physiology and Ecosystem Dynamics: A Multifaceted Perspective](#)

[Dave, K.P.](#), [Kumar, A.](#), [Dave, N.](#), ...[Yadav, A.](#), [Kaushik, P.](#)

Sustainability (Switzerland), 2024

Erratum

[Corrigendum to “Cu₂O/SiC photocatalytic reduction of carbon dioxide to methanol using visible light on InTaO₄” \[Mater. Sci. Semicond. Process. 174 \(2024\) 108235\] \(Materials Science in Semiconductor Processing \(2024\) 174, \(S1369800124001318\), \(10.1016/j.mssp.2024.108235\)\)](#)

[Oni, B.A.](#), [Sanni, S.E.](#), [Tomomewo, O.S.](#), [Bade, S.O.](#)

Materials Science in Semiconductor Processing, 2024

Article • *Open access*

[Journey From a Digital Innovation to a Sustainable Health Worker Capacity-Building App in India: Experiences, Challenges, and Lessons Learned](#)

[Chase, R.](#), [Sanyal, S.](#), [Singh, P.](#), ...[Soni, G.K.](#), [Ganguly, P.](#)

Global Health Science and Practice, 2024

Review • *Open access*

[Nanoparticles in revolutionizing crop production and agriculture to address salinity stress challenges for a sustainable future](#)

[Singh, A.](#), [Agrawal, S.](#), [Rajput, V.D.](#), ...[Papadakis, M.N.](#), [Athanasios, A.T.](#)
Discover Applied Sciences, 2024

Article

[Saffron \(*Crocus sativus* L.\) extract attenuates chronic scopolamine-induced cognitive impairment, amyloid beta, and neurofibrillary tangles accumulation in rats](#)

[Patel, K.S.](#), [Dharamsi, A.T.](#), [Priya, M.](#), ...[Modi, S.J.](#), [Hingorani, L.L.](#)
Journal of Ethnopharmacology, 2024

Article • *Open access*

[Burden of disease scenarios for 204 countries and territories, 2022–2050: a forecasting analysis for the Global Burden of Disease Study 2021](#)

[Vollset, S.E.](#), [Ababneh, H.S.](#), [Abate, Y.H.](#), ...[Alqutaibi, A.Y.](#), [Alrawashdeh, A.A.](#)
The Lancet, 2024

Article

[Geochemical fractionation, bioavailability, and ascertaining ecological risk of phosphorus in surface and core sediments of mangroves, western coast of India](#)

[Maurya, P.](#), [Rina, K.](#), [Solanki, J.B.](#), [Ranjan, R.K.](#)
Environmental Science and Pollution Research, 2024

Article • *Open access*

[Impact of Curriculum Implementation Support Programme in changing the Knowledge, Attitude and Perceptions of Medical faculties towards Competency Based Medical Education in a Private Medical College](#)

[Nagar, N.S.](#), [Nagar, S.](#), [Jankhwala, M.S.](#), ...[Shukla, A.](#), [Godara, N.R.](#)
Indian Journal of Community Health, 2024

Article • *Open access*

[Green Synthesis Of silver Nanoparticles Using *Elettaria cardamomum*: Characterization and Antimicrobial Potential](#)

[Patel, N.D.](#), [Patel, D.A.](#), [Shrimali, G.](#), [Kamdar, R.](#)
Current Trends in Biotechnology and Pharmacy, 2024

Book Chapter

[Nanoparticles for crop improvement and management](#)

[Das, R.](#), [Kumar, P.](#), [Agrawal, S.](#), ...[Mishra, S.K.](#), [Tiwari, K.N.](#)
Sustainable Agriculture: Nanotechnology and Biotechnology for Crop Production and Protection, 2024

Article

[Financial Inclusion Index and its Determinants among Asian Countries](#)

[Bhall, R.](#), [Berwal, K.](#), [Bisla, M.](#), [Kumar, J.](#)
Indian Journal of Economics and Development, 2024

Article

Identification of earthquake induced structural damage based on synchroextracting transform

[Roshan, K.P.](#), [Gaurav, K.](#), [Zhao, W.](#), ...[Kumar, J.](#), [Amponsah, E.](#)
Earthquake Engineering and Engineering Vibration, 2024

Article • *Open access*

Endline assessment of knowledge about sickle cell disease among the tribal community of Chhotaudepur district of Gujarat

[Surti, S.B.](#), [Parmar, A.S.](#), [Babu, B.V.](#), ...[Mishra, U.](#), [Patel, S.](#)
Journal of Community Genetics, 2024

Article

Phytochemical profiling, antioxidant, cytotoxic, and anti-inflammatory activities of Plectranthus rugosus extract and fractions: in vitro, in vivo, and in silico approaches

[Mir, R.H.](#), [Mohi-Ud-Din, R.](#), [Al-Keridis, L.A.](#), ...[Adnan, M.](#), [Masoodi, M.H.](#)
Inflammopharmacology, 2024

Article

Do ESG Disclosures Create Value for Investors of Nifty 500 Firms?

[Shroff, S.J.](#), [Soni, R.](#)
Finance India, 2024

Review

A review on fluoride contamination in groundwater and human health implications and its remediation: A sustainable approaches

[Kumar, P.S.](#), [Kumar, M.](#), [Barnawi, A.B.](#), ...[Vinayak, V.](#), [Wanale, S.G.](#)
Environmental Toxicology and Pharmacology, 2024

Article

Agglomeration of deep learning networks for classifying binary and multiclass classifications using 3D MRI images for early diagnosis of Alzheimer's disease: a feature-node approach

[Kumari, R.](#), [Das, S.](#), [Singh, R.K.](#)
International Journal of System Assurance Engineering and Management, 2024

Article • *Open access*

Investigating the photosensitized reaction of methylene blue with toluidines: A spectroscopic and kinetic analysis

[Trivedi, P.](#), [Pand, U.](#), [Sharma, K.](#), [Sharma, C.R.](#)
Vietnam Journal of Chemistry, 2024

Article • *Open access*

Nutritional status of under-5 children during COVID-19: Insights from Anganwadi workers of Kerala, India

[Behanan, A.](#), [Krishnan, A.](#), [Sukumar, B.S.](#), ...[Gadgil, N.D.](#), [Kulkarni, A.A.](#)
Multidisciplinary Reviews, 2024

Article

Estimation of land surface temperature and LULC changes impact on groundwater resources in the semi-arid region of Madhya Pradesh, India

[Moharir, K.N.](#), [Baliram Pande, C.](#), [Kumar Gautam, V.](#), ...[Pramanik, M.K.](#), [Elsahabi, M.A.](#)
Advances in Space Research, 2024

Article

An intelligent model-driven fingerprint classification system for gender identification

[Gupta, R.](#), [Amin, P.](#), [Pradeepa, P.](#), [Jadav, K.R.](#)
International Journal of System Assurance Engineering and Management, 2024

Article

Policy Frameworks and Investment Needs for Scaling Oil and Gas Industry Decarbonization in Selected Niger Delta Fields

[Okoro, E.E.](#), [Ogali, O.I.](#), [Sanni, S.E.](#), [Oluchi, O.P.](#)
Petroleum and Coal, 2024

Article

Process standardization and characterization of Pizza cheeses prepared employing ‘dual acidification’ method

[Rajani, B.](#), [Jana, A.H.](#), [Bihola, A.](#), [Parmar, S.C.](#), [Shaikh, A.](#)
Journal of Food Science and Technology, 2024

Article

Optimizing the performance of solar evacuated tube collector systems for seawater desalination

[Patel, N.](#), [Joshi, U.A.](#), [Patel, V.S.](#), ...[Kumar, A.](#), [Velkin, V.I.](#)
Environmental Progress and Sustainable Energy, 2024

Book Chapter

Potential antihyperglycemic medicinal plants and their active components

[Raole, V.M.](#), [Oza, K.K.](#), [Raole, V.V.](#)
Herbal Formulations, Phytochemistry and Pharmacognosy: Natural Remedies and Drug Discovery, 2024

Review

A Systematic Narrative Review on ADIPOQ Gene Variants and its Association with T2DM in the Indian Population

[Khan, M.D.](#), [Srivastava, R.K.](#), [Upadhyay, T.K.](#), [Khan, M.M.](#)
Endocrine, Metabolic and Immune Disorders - Drug Targets, 2024

Conference Paper

Hybrid Fuzzy Decision-Making Model

[Kumar, V.S.P.](#), [Saini, D.](#), [Rastogi, S.](#), ...[Verma, A.](#), [Meenakshi, R.](#)
2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024, 2024

Article

Unbraiding the effect of policy benefits on subjective well-being: the mediating role of work-related well-being

[Singh, S.](#)
Journal of Advances in Management Research, 2024

Conference Paper

Optimizing Power Consumption for Business Networks through Cooperative Communication in Mixed Wireless Environments

[Ramakrishnan, R.](#), [Kumar, V.S.P.](#), [Sanjay, C.P.](#), ...[Patre, S.](#), [Meenakshi, R.](#)
2024 International Conference on Knowledge Engineering and Communication Systems, ICKECS 2024, 2024

Article

Synthesis, biological evaluation, ADME studies and molecular docking with β -tubulin of fused benzimidazole-pyridine derivatives

[Panchani, D.](#), [Maurya, S.O.](#), [Thaker, T.H.](#), [Rathod, V.](#), [Thakur, S.](#)
Bulgarian Chemical Communications, 2024

Article • *Open access*

Design, Develop, and Pilot-Test a Digital Platform to Enhance Student Well-Being: Protocol for a Mixed-Methods Study

[Joshi, A.](#), [Kaur, K.](#), [Bhatt, A.](#), ...[Grover, A.](#), [Pandya, A.K.](#)
JMIR Research Protocols, 2024

Article

Cloud-based human authentication through scalable multibiometric image sensor fusion

[Amin, P.](#), [Bhuvana, J.](#), [Patel, W.D.](#), [Saxena, A.K.](#)
International Journal of System Assurance Engineering and Management, 2024

Article • *Open access*

Design and performance evaluation of inverted downdraft biomass gasifier cook stove for improving the kitchen environment of rural area

[Shah, R.R.](#), [Galindo, M.V.](#), [Martínez-Valencia, A.B.](#), ...[Makvana, N.](#), [Patel, K.](#)
Applied Chemical Engineering, 2024

Article • *Open access*

INVESTIGATIONS OF INSTITUTIONAL INSTIGATIONS OF INTERNATIONAL PUBLIC SECTOR ACCOUNTING STANDARDS (IPSAS) ADOPTION IN GHANA | INVESTIGACIONES DE INSTIGACIONES INSTITUCIONALES PARA LA ADOPCIÓN DE NORMAS INTERNACIONALES DE CONTABILIDAD DEL SECTOR PÚBLICO (IPSAS) EN GHANA | INVESTIGAÇÕES DE INSTIGAÇÕES INSTITUCIONAIS DE ADOÇÃO DE NORMAS INTERNACIONAIS DE CONTABILIDADE DO SETOR PÚBLICO (IPSAS) EM GANA

Doe-Dartey, R.K., Valand, J.B.

Revista de Gestao Social e Ambiental , 2024

Conference Paper

West Africa Power Pool Transmission Line Monitoring Using the Scada System

Ngobeh, J.M., Sannoh, M.

Proceedings - 2024 2nd International Conference on Smart Technologies for Power and Renewable Energy, SPECon 2024, 2024

Article

Residual, direct and interaction effect of nutrient management on growth, yield, quality, and economics of fodder maize and soil nutrient balance under grain amaranth (Amaranthus hypochondriacus L.)– fodder maize [Zea mays (L.)] sequence in Inceptisols of Western India

Patel, R.S., Pankhania, R.M., Bartwal, D., Patel, A.A.

Cereal Research Communications, 2024

Article • *Open access*

Geospatial evaluation of normalized difference vegetation index (NDVI) and urban heat island: a spatio-temporal study of Gandhinagar City, Gujarat, India

Modi, T., Ghosh, T., Ali, D., ...Niazi, P., Yadav, V.K.

Geomatics, Natural Hazards and Risk, 2024

Book Chapter

E-Waste: The Problem and the Solutions

Taksali, K., Rathore, P.S.

Sustainable Management of Electronic Waste, 2024

Article • *Open access*

Enhancing Different Skill Sets of Engineering Students through Project based Interdisciplinary Approach - A Case Study of Azadi Ka Amrit Mahotsav Project

Parmar, R., Patel, V.N., Kapadiya, J., ...Gandhi, V., Jadeja, S.

Journal of Engineering Education Transformations, 2024

Book Chapter

A Comprehensive Mathematical Framework for Diabetes and Its Complications in Crisp and Fuzzy Settings

[Pandit, P.K.](#), [Singh, P.](#), [Panda, S.](#)

Advances on Mathematical Modeling and Optimization with Its Applications, 2024

Conference Paper

[Navigating Independence: The Smart Walking Stick for the Visually Impaired](#)

[Kumar Kaushal, R.K.](#), [Pavan Kumar, T.V.](#), [Sharath, N.](#), ...[Lakshmaiya, N.](#), [Patil, H.](#)

Proceedings - 2024 5th International Conference on Mobile Computing and Sustainable Informatics, ICMCSI 2024, 2024

Article • *Open access*

[Bibliometric analysis of studies on threat assessment and prioritization of species for conservation](#)

[Wani, Z.A.](#), [Pant, S.](#), [Bhat, J.A.](#), ...[Siddiqui, S.](#), [Alshaharni, M.O.](#)

Frontiers in Forests and Global Change, 2024

Article • *Open access*

[Indian Food Image Classification and Recognition with Transfer Learning Technique Using MobileNetV3 and Data Augmentation †](#)

[Patel, J.](#), [Modi, K.J.](#)

Engineering Proceedings, 2024

Article

[Exploring the Potential of Plumbagin as an Activator of Caspase 3 for Non-small Cell Lung Carcinoma: A Comprehensive in silico Study](#)

[Saeed, M.A.](#), [Tasleem, M.](#), [Siddiqui, S.](#), ...[Abdalla, R.A.H.](#), [Shoaib, A.](#)

Indian Journal of Pharmaceutical Education and Research, 2024

Article

[Analysis of Dog Bite Injuries to Humans: Strategies for Prevention by Emergency Physicians](#)

[Menaka, C.](#), [Gupta, P.](#), [Rohinkar, A.](#)

Revista Electronica de Veterinaria, 2024

Article • *Open access*

[Significance of Serum Biomarkers in Early Diagnosis of Hepatocellular Carcinoma in Patient with Fisher Groups](#)

[Tufael, Kar, A.](#), [Upadhye, V.J.](#), ...[Khan, M.S.S.](#), [Sunny, A.R.](#)

Journal of Angiotherapy, 2024

Book Chapter

[The Effect of Internationalization Decision on Firm Performance of Export Firms Based in a Developing Country: An Insight From Ethiopia](#)

[Elifneh, Y.W.](#), [Hirpa, H.D.](#)

Economic Growth and Development in the Tropics, 2024

Article

[A Study on Individual Awareness and Perception Towards Blockchain Technology in India](#)

[Ravichandra, T.](#), [Madaan, V.](#), [Sharma, A.](#), ...[Gumber, G.](#), [Khan, M.A.](#)

International Journal of Intelligent Systems and Applications in Engineering, 2024

Review • *Open access*

[Investigating the ecological implications of nanomaterials: Unveiling plants' notable responses to nano-pollution](#)

[Ekambaram, G.](#), [Prakash, P.](#), [Saravanan, P.](#), ...[Viswanathan, D.](#), [Govindasamy, R.](#)

Plant Physiology and Biochemistry, 2024

Article

[Forecasting the PV Power Utilizing a Combined Convolutional Neural Network and Long Short-Term Memory Model](#)

[Ramakrishnan, R.](#), [Mewada, B.](#), [Meenakshi, R.](#), ...[Mohammad Wabaidur, S.M.](#), [Iqbal, A.](#)

Electric Power Components and Systems, 2024

Article

[Influencing factors and prospects of electronic service implementation in higher educational institutions of Ethiopia](#)

[Tekaleng, D.](#), [Swaminarayan, P.R.](#)

Interactive Learning Environments, 2024

Article

[Can a five-minute meeting improve the wellbeing of students? the Indian school experience](#)

[Kathuria, T.](#), [Pandya, A.K.](#)

Journal of Psychologists and Counsellors in Schools, 2023

Conference Paper

[Prediction of EV charging & Impact analysis on Indian Grid](#)

[Patel, B.K.M.](#), [Prajapati, H.](#), [Mokariya, K.L.](#)

AIP Conference Proceedings, 2023

Conference Paper

[Implementation of Plant Leaf Disease Recognition Using Texture Feature Extraction and Machine Learning Algorithm](#)

[Patel, A.](#), [Mishra, R.](#)

AIP Conference Proceedings, 2023

Conference Paper

[A Decentralized, Secure, and Transparent Blockchain-enabled E-voting for Indian elections based on UIDAI Aadhar Identification](#)

[Pandya, S., Raiyani, A.G., Vaghela, K.](#)

AIP Conference Proceedings, 2023

Conference Paper

Consequence Modeling, Analysis and Emergency Response Planning for Ammonia (NH₃) Releases in Urea Manufacturing Unit Using Aloha

[Saxena, P., Patel, R., Dohare, S., Saxena, P.](#)

AIP Conference Proceedings, 2023

Conference Paper

Teaching Diversified Socio-Cultural Skills to Autism Spectrum Disorder (ASD) Students in Clinical Setting

[Mishra, R., Dargar, S.K.](#)

AIP Conference Proceedings, 2023

Book Chapter

Cinnamon oil: An insight into pharmacological and pharmaceutical potential

[Patel, M.G., Prajapati, B.G.](#)

Pharmacological Aspects of Essential Oils: Current and Future Trends, 2023

Article • *Open access*

Selection of optimum renewable energy sources under smart city environment for energy management and planning: An eclectic decision

[Bhowmik, C., Khare, M., Mewada, B.G., Chatterjee, P., Demir, G.](#)

Reports in Mechanical Engineering, 2023

Article

Stigma of sickle cell disease among Indian tribal population: A multi-centric qualitative study

[Bhat, D., Babu, B.V., Surti, S.B., ...Sridevi, P., Sharma, Y.](#)

Journal of the National Medical Association, 2023

Article

Exploring medication adherence and its determinants among hypertensive, diabetic, and hyperlipidemic patients in the OPD of a tertiary care hospital

[Gandhi, K., Rathod, T., Rangwala, J., ...Jamsa, A., Chakraborty, G.](#)

Egyptian Pharmaceutical Journal, 2023

Review • *Open access*

A critical review on sustainable hazardous waste management strategies: a step towards a circular economy

[Kumar, A., Thakur, A.K., Kumar Gaurav, G.K., ...Pant, K.K., Kumar, R.](#)

Environmental Science and Pollution Research, 2023

Article

Integration of Lean Six Sigma with Internet of Things (IoT) for productivity improvement: a case study of contactor manufacturing industry

[Rane, S.B.](#), [Wavhal, S.](#), [Potdar, P.R.](#)

International Journal of System Assurance Engineering and Management, 2023

Book Chapter

A study regarding issues in public private partnership road & highway projects

[Brahmbhatt, P.](#), [Bachwani, D.](#), [Malek, M.S.](#)

Emerging Trends and Innovations in Industries of the Developing World: A Multidisciplinary Approach, 2023

Book Chapter

An advanced project management technique for the indian construction industry: Critical chain project management

[Bharadiya, R.](#), [Bachwani, D.](#), [Malek, M.S.](#)

Emerging Trends and Innovations in Industries of the Developing World: A Multidisciplinary Approach, 2023

Article

UNDERSTANDING THE LONG-TERM INTERPLAY BETWEEN GLUCOCORTICOIDS, PARATHYROID HORMONE LEVELS, AND OSTEOPOROSIS IN PATIENTS

[Patel, G.M.](#), [Shah, U.N.](#), [Jane, A.](#), ...[Verma, A.](#), [Shankar, S.](#)

Georgian Medical News, 2023

Article • *Open access*

Six-Segment Strategy for Prosumers' Financial Benefit Maximization in Local Peer-to-Peer Energy Trading

[Mochi, P.](#), [Pandya, K.S.](#), [Faia, R.](#), [Soares, J.P.](#)

Mathematics, 2023

Article • *Open access*

AI Chatbot Adoption in SMEs for Sustainable Manufacturing Supply Chain Performance: A Mediatonal Research in an Emerging Country

[Panigrahi, R.R.](#), [Shrivastava, A.K.](#), [Qureshi, K.M.R.](#), ...[Almuflih, A.S.](#), [Qureshi, M.R.N.](#)

Sustainability (Switzerland), 2023

Article • *Open access*

Genetic Variability and Diversity in Red Onion (*Allium cepa* L.) Genotypes: Elucidating Morpho-Horticultural and Quality Perspectives

[Amir, A.](#), [Sharangi, A.B.](#), [Bal, S.](#), ...[Saeed, M.A.](#), [Thapa, U.](#)

Horticulturae, 2023

Article • *Open access*

Prevalence, years lived with disability, and trends in anaemia burden by severity and cause, 1990–2021: findings from the Global Burden of Disease Study 2021

[Gardner, W.M.](#), [Razo, C.](#), [McHugh, T.A.](#), ...[Adesina, M.A.](#), [Olufadewa, I.I.](#)
The Lancet Haematology, 2023

Article

Indian sickle cell disease registry for surveillance and patient management: Development and implementation

[Babu, B.V.](#), [Sharma, Y.](#), [Surti, S.B.](#), ...[Sudhakar, G.](#), [Sarmah, J.](#)
International Journal of Health Planning and Management, 2023

Article • *Open access*

Antimicrobial Efficacy of 7-Hydroxyflavone Derived from Amycolatopsis sp. HSN-02 and Its Biocontrol Potential on Cercospora Leaf Spot Disease in Tomato Plants

[Math, H.H.](#), [Kumar, R.S.](#), [Chakraborty, B.](#), ...[Kantli, G.B.](#), [Nayaka, S.](#)
Antibiotics, 2023

Review • *Open access*

The global scenario of hydrogeochemical research on glacier meltwater: a bibliometric and visualization analysis

[Kumar, R.D.S.](#), [Pippal, P.S.](#), [Kumar, R.](#), ...[Singh, A.K.](#), [Sharma, P.](#)
Environmental Science and Pollution Research, 2023

Article • *Open access*

Modelling the Construction Projects Implementation Barriers: A Structure Equation Modelling Approach

[Almakayeel, N.M.](#), [Buniya, M.K.](#), [Abubakar, A.S.](#), ...[Qureshi, K.M.R.](#), [Qureshi, M.R.N.](#)
Buildings, 2023

Article

A comparative study on mechanical, physico-chemical, and thermal properties of rubber and walnut seed shell reinforced epoxy composites and prominent timber species

[das Lala, S.](#), [Deb, P.](#), [Barua, E.](#), [Deoghare, A.B.](#), [Chatterjee, S.](#)
Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2023

Article

Feasibility of population-based screening of sickle cell disease through the primary health care system in tribal areas of India

[Babu, B.V.](#), [Sharma, Y.](#), [Sridevi, P.](#), ...[Sarmah, J.](#), [Sudhakar, G.](#)
Journal of Medical Screening, 2023

Article • *Open access*

Characteristics and Outcomes of COVID-19 during the Third Wave of COVID Pandemic: A Single-center Descriptive Study

[Mitra, S.](#), [Muley, A.](#), [Bavishi, A.](#), [Patel, G.M.](#), [Bhattacharya, A.](#)
Journal of Association of Physicians of India, 2023

Article • *Open access*

Evaluation of Antidiabetic, Antioxidant and Anti-Hyperlipidemic Effects of Solanum indicum Fruit Extract in Streptozotocin-Induced Diabetic Rats

[Gadewar, M.M.](#), [Prashanth, G.K.](#), [Mishra, P.C.](#), ...[Jha, N.K.](#), [Jha, S.K.](#)
Current Issues in Molecular Biology, 2023

Article

Prevalence of Entamoeba histolytica among schoolchildren in Dilla town, Gedeo zone, Ethiopia

[Abate, M.](#), [Eriso, F.](#), [Kalyankar, V.B.](#), ...[Jadhav, S.D.](#), [Hajare, S.T.](#)
Infectious Diseases Now, 2023

Article

Analyzing the Public Opinion as a Guide for Renewable-Energy Status in Malaysia: A Case Study

[Qazi, A.](#), [Bhowmik, C.](#), [Hussain, F.](#), ...[Gumaei, A.H.](#), [Al-Rakhami, M.S.](#)
IEEE Transactions on Engineering Management, 2023

Conference Paper

Fetal Health Classification using AI from Cardiotocography Features

[Jyostna, G.](#), [Goyal, H.R.](#), [Soudagar, M.E.M.](#), ...[Patil, H.](#), [Alaskar, K.M.](#)
3rd International Conference on Innovative Mechanisms for Industry Applications, ICIMIA 2023 - Proceedings, 2023

Conference Paper

Blockchain Based Security Enabled Smart Contract for Energy Management

[Sharma, A.](#), [Patel, M.](#), [Choudhary, A.](#), [Kumar, G.](#)
16th International Conference on Security of Information and Networks, SIN 2023, 2023

Article • *Open access*

Review of the determinants contributing to the demographics of Alzheimer's syndrome: Prevention techniques, risk factors, and insights for public health

[Verma, P.S.](#), [Patel, G.M.](#), [Malathi, H.](#), [Kumar, A.](#)
Multidisciplinary Reviews, 2023

Conference Paper

Robotic Weed Control and Biodiversity Preservation: IoT Solutions for Sustainable Farming

[Ramakrishnan, R.](#), [Parvathy, P.R.](#), [Sapra, P.](#), [Sonule, V.B.](#), [Murugan, S.](#)
7th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2023 - Proceedings, 2023

Article

Antibiotics in Livestock Production: A Comprehensive Examination of Usage, Resistance, and Regulatory Imperatives for Enhanced Oversight

[Belwal, P.](#), [Mathad, P.](#), [Kudari, J.M.](#)

Revista Electronica de Veterinaria, 2023

Article

Livestock Healthcare and Farmer Contentment: An Exploration of Economic and Social Determinants

[Menaka, C.](#), [Kulkarni, B.G.](#), [Saraswat, N.](#)

Revista Electronica de Veterinaria, 2023

Article

Assessing Somatic Cell Count Criteria for Enhanced Cow Care: Implications for Udder Health after Calving

[Patel, K.G.](#), [Raghavendra, R.](#), [Mehra, R.](#)

Revista Electronica de Veterinaria, 2023

Article

Improving Diagnostic Precision for Cow Hypodermosis via Analysis of Medical, Abnormal, and Serologic Observations: A Critical Study

[Kulkarni, B.G.](#), [Kannagi, A.](#), [Gussain, P.](#)

Revista Electronica de Veterinaria, 2023

Article

Enriching Survival of Calves: An Analysis on Managerial Procedures in Milking Farms

[Ranjana.](#), [Prakash, F.](#), [Gavande, S.](#)

Revista Electronica de Veterinaria, 2023

Conference Paper

Cloud-Based Solar Lights for Sustainable Cities: Real-time Monitoring and Energy Efficiency Solutions

[Ramakrishnan, R.](#), [Presitha Aarthi, M.](#), [Vekariya, D.](#), [Naikade, K.](#), [Sujatha, S.](#)

2023 2nd International Conference on Smart Technologies for Smart Nation, SmartTechCon 2023, 2023

Article

EMERGING NATIONS' LEARNING SYSTEMS AND THE COVID-19 PANDEMIC: AN ANALYSIS

[Prabhakar, A.](#), [Kapse, V.M.](#), [Patel, G.M.](#), ...[Singh, A.](#), [Kumar, A.K.S.](#)

Georgian Medical News, 2023

Book Chapter

Medicinal plants and their bioactive components with antidiabetic potentials

[Upadhyay, T.K.](#), [Das, S.](#), [Mathur, M.](#), ...[Joshi, N.](#), [Sharangi, A.B.](#)

Antidiabetic Medicinal Plants: Applications and Opportunities, 2023

Conference Paper

IoT Applications in Marine Monitoring: Protecting Ocean Health and Biodiversity

[Ranganathan, C.S.](#), [Ramakrishnan, R.](#), [Parikh, S.M.](#), ...[Meenakshi, R.](#), [Muthulekshmi, M.](#)

International Conference on Sustainable Communication Networks and Application, ICSCNA 2023 - Proceedings, 2023

Article • *Open access*

Effectiveness of the QuitSure Smartphone App for Smoking Cessation: Findings of a Prospective Single Arm Trial

[Pandya, A.K.](#), [Mythri, K.S.](#), [Mishra, S.](#), [Bajaj, K.](#)

JMIR Formative Research, 2023

Article • *Open access*

Strengthening Health System and Community Mobilization for Sickle Cell Disease Screening and Management among Tribal Populations in India: An Interventional Study

[Babu, B.V.](#), [Sharma, Y.](#), [Sridevi, P.](#), ...[Sudhakar, G.](#), [Sarmah, J.](#)

Hemoglobin, 2023

Article

EXPLORING MEDICAL STUDENTS' COMPETENCY IN UNDERSTANDING PRIMARY IMMUNODEFICIENCY DISEASES IN INDIA

[Batra, R.](#), [Patel, D.J.](#), [Asha, K.S.](#), ...[Bhardwaj, S.](#), [Gupta, P.](#)

Georgian Medical News, 2023

Article

AN EVALUATION OF ANTIBIOTIC PRESCRIPTION PRACTICES: PERSPECTIVES OF VETERINARY TRAINEES AND PRACTICING VETERINARIANS

[Ballal, S.](#), [Ahmad, N.](#), [Jha, A.M.](#), ...[Mishra, R.](#), [Patel, G.M.](#)

Georgian Medical News, 2023

Conference Paper

Corporate Social Responsibility Reports: A Big Data Approach

[Pacori Paricahua, E.W.](#), [Pacori Paricahua, A.K.](#), [Gehlot, A.N.](#), ...[Suresh](#)

[Kumar, M.V.](#), [Lourens, M.E.](#)

2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2023, 2023

Conference Paper

Rabble Based Autonomous Assistance Using Machine Learning Algorithms

[Sutaria, K.K.](#), [Gupta, M.V.](#), [Lal, B.](#), ...[Sriramakrishnan, G.V.](#), [Tripathi, V.](#)
2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2023, 2023

Conference Paper

IoT based Volcano Multipara meter Surveillance Method

[Patel, P.K.](#), [Kumar Pandey, A.K.](#)
2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2023, 2023

Conference Paper

Effect of Covid-19 on India's Industry with Digitalization, IoT, and AI Techniques

[Shekokar, K.S.](#), [Kumar Pandey, A.K.](#)
2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2023, 2023

Conference Paper

Artificial Intelligence & AGILE Based Business Development Review

[Maneria, S.](#), [Paikaray, D.](#)
2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2023, 2023

Article • *Open access*

Exploring the world hot springs: A bibliometric analysis of global trends in metagenomics research

[Wani, A.K.](#), [Mir, T.U.G.](#), [Akhtar, N.](#), ...[Herwati, A.](#), [Singh, R.](#)
Current Research in Biotechnology, 2023

Article

Investigation of ritonavir analogs antiretroviral natural compounds against SARS-CoV-2 envelope protein

[Negi, S.](#), [Kamboj, N.K.](#), [Kantli, G.B.](#), [Yadava, U.](#)
Journal of Biomolecular Structure and Dynamics, 2023

Article • *Open access*

Comparative Evaluation of Salivary Parameters in Tobacco Substance Abusers

[Bhavasar, R.S.](#), [Shah, V.S.](#), [Bhavasar, R.](#), ...[Testarelli, L.](#), [Bhandi, S.H.](#)
Frontiers in Bioscience - Landmark, 2023

Article

Efficacious elimination of salts from a convoluted ethylene glycol-water solution employing nanofiltration membranes

[Mehta, J.P.](#), [Panwar, D.S.](#), [Kohli, D.K.](#), ...[Gupta, N.K.](#), [Prakash, C.](#)
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2023

Article • *Open access*

Management of essential hypertension through Basti Karma: A case study

[Chetan, M.](#), [Vaidya, A.](#)

International Journal of Experimental Research and Review, 2023

Book Chapter

Introduction to Medicinal and Aromatic Plants: Diversity, Biogeographic Distribution and Conservation Status

[Surti, M.](#), [Patel, M.](#)

Ethnobotany and Ethnopharmacology of Medicinal and Aromatic Plants: Steps Towards Drug Discovery, 2023

Review • *Open access*

Dissecting WASH Assessment Tools and Recommending a Comprehensive Tool for Indian Healthcare Facilities

[Trivedi, P.](#), [Bhavsar, P.](#), [Saxena, D.B.](#), ...[Das, T.](#), [Yasobant, S.](#)

Risk Management and Healthcare Policy, 2023

Article

An Intercultural Analysis on Farmers' Opinions and Intentions Regarding Global Warming

[Sharma, K.](#), [Patel, K.G.](#), [Yadav, U.](#)

International Journal of Chemical and Biochemical Sciences, 2023

Article

Modification in Physiological Characteristics by Genotype in Maize during High Temperature Stress

[Singh, D.P.](#), [Sharma, S.](#), [Kumar, K.](#)

International Journal of Chemical and Biochemical Sciences, 2023

Book Chapter

Cow farm wastes: A bioresource for sustainable development

[Saxena, D.](#), [Sandhwar, V.K.](#)

Bio-Based Materials and Waste for Energy Generation and Resource Management: Present and Emerging Waste Management Practices: Volume 5 of Advanced Zero Waste Tools, 2023

Conference Paper

Classification of Landsat Image Using Support Vector Machine and Majority Analysis

[Patel, S.N.](#), [Patel, N.M.](#)

Lecture Notes in Networks and Systems, 2023

Conference Paper

Crime Analysis and Prediction in 7 States of India Using Statistical Software RStudio

[Sharma, A.](#), [Sharma, C.S.](#), [Sharma, R.](#), [Panchal, K.D.](#)

Lecture Notes in Networks and Systems, 2023

Article • *Open access*

[A Hospital-based Observational Study of Newly diagnosed Sthula Prameha Subjects with special reference to type 2 Diabetes Mellitus from Maharashtra, India](#)

[Munishwar, N.J.](#), [Bramhankar, R.B.](#), [Raju, N.R.N.](#)

Brazilian Journal of Pharmaceutical Sciences, 2023

Book Chapter

[Climate Change-National Action Plan](#)

[Rai, A.](#), [Fulekar, M.H.](#)

Climate Change and Sustainable Development, 2023

Book

[Climate Change and Sustainable Development](#)

[Fulekar, M.H.](#), [Dubey, R.S.](#)

Climate Change and Sustainable Development, 2023

Book Chapter

[Climate Change-International Policies](#)

[Rai, A.](#), [Fulekar, M.H.](#), [Dubey, R.S.](#)

Climate Change and Sustainable Development, 2023

Article

[Potential status of A1 and A2 variants of bovine beta-casein gene in milk samples of Indian cattle breeds](#)

[Khan, R.](#), [De, S.](#), [Dewangan, R.](#), [Tamboli, R.](#), [Gupta, R.](#)

Animal Biotechnology, 2023

Article • *Open access*

[Simultaneous Quantification of Piperine, Vasicine and Eugenol in Kabasura Kudineer by HPTLC](#)

[Patel, D.C.](#), [Mohan Maruga Raja, M.K.](#)

Journal of Natural Remedies, 2023

Article • *Open access*

[Handwritten Gujarati Numerals Classification Based on Deep Convolution Neural Networks Using Transfer Learning Scenarios](#)

[Goel, P.](#), [Ganatra, A.P.](#)

IEEE Access, 2023

Review • *Open access*

[Current Insights into Diagnosis, Prevention Strategies, Treatment, Therapeutic Targets, and Challenges of Monkeypox \(Mpox\) Infections in Human Populations](#)

[Patel, M.B.](#), [Adnan, M.](#), [Aldarhami, A.](#), ...[Saeed, A.](#), [Alshaghdali, K.](#)
Life, 2023

Review • *Open access*

**LIPOSOMAL DRY POWDER INHALER: NOVEL PULMONARY TARGETED
DRUG DELIVERY SYSTEM FOR THE TREATMENT OF LUNG CANCER**

[Patil, M.M.](#), [Patel, P.H.](#)

International Journal of Applied Pharmaceutics, 2023

Conference Paper

**A Nobel Approach to Identify the Rainfall Prediction Using Deep Convolutional Neural
Networks Algorithm**

[Desai, P.](#), [Gandhi, A.](#), [Acharya, M.](#)

Smart Innovation, Systems and Technologies, 2023

Article • *Open access*

Prevalence and Clinical Characteristics of COVID-19 in Frontline Health Care Workers

[Aring, B.J.](#), [Gavali, D.M.](#), [Kateshiya, P.R.](#), [Shingala, H.K.](#), [Gadhavi, H.M.](#)

Journal of Pure and Applied Microbiology, 2022

Article • *Open access*

**Mental health consequences of COVID-19 pandemic among college students and coping
approaches adapted by higher education institutions: A scoping review**

[Pandya, A.K.](#), [Lodha, P.](#)

SSM - Mental Health, 2022

Article • *Open access*

Dietary Risk Factors in Upper Aero-Digestive Tract Cancers

[Bansal, M.](#), [Gupta, T.K.](#)

Indian Journal of Otolaryngology and Head and Neck Surgery, 2022

Review • *Open access*

**Comprehensive league table of cost-utility ratios: A systematic review of cost-
effectiveness evidence for health policy decisions in India**

[Shah, K.H.](#), [Singh, M.](#), [Kotwani, P.](#), ...[Saxena, D.B.](#), [Rajshekar, K.](#)

Frontiers in Public Health, 2022

Article • *Open access*

**Cost-effectiveness of mhealth intervention (TeCHO+) for improving maternal and child
health indicators in Gujarat, India**

[Saha, S.](#), [Pandya, A.K.](#), [Raval, D.](#), [Saxena, D.B.](#)

Indian Journal of Community Medicine, 2022

Article

Mini clinical evaluation exercises (mini CEX) as formative assessment tool in pediatric postgraduate education: Its feasibility and acceptability

[Pathak, S.](#), [Patel, P.](#), [Rasania, M.](#), [Modi, P.](#)

Journal of Datta Meghe Institute of Medical Sciences University, 2022

Article • *Open access*

Extraction, Isolation and Structure Elucidation of a Bioactive Constituent from Chloroform Extract of Moringa concanensis Leaves

[Patil, V.](#), [Dodiya, T.R.](#)

Journal of Natural Remedies, 2022

Review • *Open access*

Theranostic efficiency of biosurfactants against COVID-19 and similar viruses - A review

[Sarangi, M.K.](#), [Padhi, S.](#), [Patel, L.D.](#), ...[Nanda, S.S.](#), [Yi, D.K.](#)

Journal of Drug Delivery Science and Technology, 2022

Article • *Open access*

Did Covid-19 lockdown positively affect the urban environment and UN- Sustainable Development Goals?

[Nigam, R.](#), [Tripathi, G.](#), [Priya, T.](#), ...[Damásio, B.](#), [Kotha, M.](#)

PLoS ONE, 2022

Article

Multivariate and Statistical Evaluation of Coastal Water Quality and Seasonal Variation in the Physicochemical Properties of Gulf of Khambhat Region, Gujarat, India

[Singh, J.K.](#), [Kumar, P.S.](#), [Vishwakarma, S.](#)

Water, Air, and Soil Pollution, 2022

Article • *Open access*

Prevalence and associated risk factors of Entamoeba histolytica infection among school children from three primary schools in Arsi Town, West Zone, Ethiopia

[Roro, G.B.](#), [Eriso, F.](#), [Al-Hazimi, A.M.](#), ...[Upadhye, V.J.](#), [Hajare, S.T.](#)

Journal of Parasitic Diseases, 2022

Article

Green Energy Sources Selection for Sustainable Planning: A Case Study

[Bhowmik, C.](#), [Bhowmik, S.](#), [Ray, A.](#)

IEEE Transactions on Engineering Management, 2022

Article

Epidemiological insights into anthropometric indices and their correlates among college students through a university-level screening program in Western India

[Talati, K.N.](#), [Parmar, A.S.](#), [Zalavadiya, D.I.](#), [Shinde, M.K.](#), [Patel, G.M.](#)
Indian Journal of Community Medicine, 2022

Article

Knowledge of rural population about orthodontics: An original research

[Jha, K.](#), [Patowary, J.](#), [Mandal, N.B.](#), ...[Thakur, S.](#), [Tiwari, H.D.](#)
Journal of Pharmacy and Bioallied Sciences, 2022

Article • Open access

Effect of COVID-19 on air pollution related illnesses in India

[Uday, U.](#), [Bethineedi, L.D.](#), [Hasanain, M.](#), ...[Patel, P.](#), [Khalid, Z.](#)
Annals of Medicine and Surgery, 2022

Article • Open access

Peripheral health workers' knowledge and experience related to sickle cell disease: an in-depth interview study in six tribal-dominated districts of India

[Babu, B.V.](#), [Sridevi, P.](#), [Surti, S.B.](#), ...[Sudhakar, G.](#), [Sharma, Y.](#)
Journal of Community Genetics, 2022

Review • Open access

Workplace Mental Health Interventions in India: A Rapid Systematic Scoping Review

[Pandya, A.K.](#), [Khanal, N.](#), [Upadhyaya, M.](#)
Frontiers in Public Health, 2022

Article • Open access

Water quality and risk assessment of copper content in drinking water stored in copper container

[Manne, R.](#), [Mohan Maruga Raja, M.K.](#), [Iska, R.S.R.](#), [Devarajan, A.](#), [Mekala, N.](#)
Applied Water Science, 2022

Article • Open access

Impact of clinical pharmacist intervention on medication adherence in patients with cardiovascular disease

[Lavanya, S.](#), [Patel, N.](#), [Purani, A.](#), [Patel, K.](#)
Thai Journal of Pharmaceutical Sciences, 2022

Article • Open access

A case study of students' skill development through the project carried out for sustainable development of rural area for transformation to urbanization

[Patel, V.N.](#), [Gandhi, V.](#), [Thummar, K.](#), ...[Oza, V.H.](#), [Jadeja, S.](#)
Journal of Engineering Education Transformations, 2022

Conference Paper

Digital Smart Collar: Monitoring Cow Health Using Internet of Things

[Darwis, D.](#), [Mehta, A.R.](#), [Wati, N.E.](#), [Samsugi, S.](#), [Swaminarayan, P.R.](#)
ISESD 2022 - 2022 International Symposium on Electronics and Smart Devices, Proceeding, 2022

Article • *Open access*

Knowledge, Attitude, and Practice of Community towards an Onchocerciasis Elimination Program from South West Ethiopia

[Worku, H.](#), [Mola, M.](#), [Derebew, B.](#), ...[Kuddus, M.](#), [Upadhye, V.J.](#)
Journal of Tropical Medicine, 2022

Article • *Open access*

Flavonoids: A Potent Substance in Anti-ulcer and Hepatoprotective Agents

[Chakraborty, G.](#), [Patel, P.H.](#), [Sharma, S.K.](#), [Jani, R.K.](#), [Mandal, S.D.](#)
Journal of Natural Remedies, 2022

Book Chapter

Cloud Computing Infrastructure for Education System Development

[Mehta, A.R.](#), [Patel, K.](#), [Solanki, K.H.](#), [Swaminarayan, P.R.](#)
Cloud Computing Infrastructure for Enabling Future Technology Advancement, 2022

Book Chapter

Detection of COVID-19 and its symptoms using chest X-rays for healthcare

[Kumar, J.](#), [Yadav, A.R.](#), [Anumeha.](#), [Kumar, S.](#), [Gaurav, A.](#)
Blockchain for 5G Healthcare Applications: Security and privacy solutions, 2022

Conference Paper

Evaluation of Feasibility for Novel Modular Block Construction

[Bhaliya, P.R.](#), [Rajgor, M.B.](#), [Shah, D.A.](#)
ECS Transactions, 2022

Article • *Open access*

Gradual sustainability approach for urban transport through subtle measures

[Advani, M.](#), [Sharma, N.](#), [Errampalli, M.](#), ...[Dhyani, R.](#), [Kumar, P.V.P.](#)
Current Science, 2022

Article • *Open access*

Cross-Sectional Study on Assessment of Frequency of Intestinal Helminth Infections and Its Related Risk Factors among School Children from Adola Town, Ethiopia

[Husen, E.A.](#), [Tafesse, G.](#), [Hajare, S.T.](#), ...[Sharma, R.J.](#), [Upadhye, V.J.](#)
BioMed Research International, 2022

Conference Paper • *Open access*

Examining Traffic Operations at Multi-Legged Intersection Operating under Heterogeneous Traffic: A Case Study in India

[Mistry, J.](#), [Chaudhari, P.M.](#), [Arkatkar, S.S.](#), [Antoniou, C.](#)
Transportation Research Procedia, 2022

Conference Paper

Theoretical Simulation of Experimental Results with Barron's Theory for Consolidation of Soft Clay by Radial Flow Using PVD

[Shrivastava, R.P.](#), [Shroff, A.V.](#)
Lecture Notes in Civil Engineering, 2022

Article

Experimental investigation of solid desiccant wheel in hot and humid weather of India

[Dadi, M.J.](#), [Jani, D.B.](#)
International Journal of Ambient Energy, 2022

Article • *Open access*

Virtual screening of curcumin and its analogs against the spike surface glycoprotein of SARS-CoV-2 and SARS-CoV

[Patel, A.D.](#), [Rajendran, M.](#), [Shah, A.P.](#), ...[Pakala, S.B.](#), [Karyala, P.](#)
Journal of Biomolecular Structure and Dynamics, 2022

Article • *Open access*

Evaluation of Cytotoxicity and Genotoxicity of Water from Nag River, Nagpur, India

[Hirapure, P.](#), [Paranjape, S.A.](#), [Sarodaya, V.S.](#), [Mehere, B.A.](#), [Upadhye, V.J.](#)
Nature Environment and Pollution Technology, 2021

Article • *Open access*

Bibliometric analysis of the top 50 most cited publications of the Journal of Clinical Orthopaedics and Trauma

[Vishwanathan, K.](#), [Kambhampati, S.B.S.](#), [Patralekh, M.K.](#), [Vaish, A.](#), [Vaishya, R.](#)
Journal of Clinical Orthopaedics and Trauma, 2021

Article

Amended lithostratigraphy of the Cretaceous Bagh Group, Western Lower Narmada Valley, India: A comparison with pervasive Tethyan basins

[Shitole, A.D.](#), [Patel, S.J.](#), [Darngawn, J.L.](#), [Joseph, J.K.](#)
Geological Journal, 2021

Article

Selection of optimum green energy sources by considering environmental constructs and their technical criteria: a case study

[Bhowmik, C.](#), [Bhowmik, S.](#), [Ray, A.](#)
Environment, Development and Sustainability, 2021

Conference Paper

Cleanliness Automation: YOLOv3

[Hiteshkumar, G., Gour, P., Steeve, N., Parmar, T., Singh, P.](#)
2021 6th International Conference for Convergence in Technology, I2CT 2021, 2021

Article • *Open access*

Synthesis and anticonvulsant evaluation of 3-(5-(4-substitutedphenyl)-4,5-dihydro-1h-pyrazol-3-ylamino)-2-(2-methylphenyl)quinazolin-4(3h)-one derivatives

[Kumar, S., Jha, K.K., Tripathi, R.K.P., Kumar, N., Chaudhary, A.](#)
Indian Journal of Pharmaceutical Education and Research, 2021

Article • *Open access*

Synchronized quantitative assessment of corticosteroid and bronchodilator in rotacaps by hptlc using fractional factorial design

[Zanwar, A.S., Sen, D.B., Pandya, C.P., ...Maheshwari, R.A., Sen, A.K.](#)
Indian Journal of Pharmaceutical Education and Research, 2021

Article • *Open access*

Identification of potential Mpro inhibitors for the treatment of COVID-19 by using systematic virtual screening approach

[Kanhed, A.M., Patel, D.V., Teli, D.M., ...Chhabria, M.T., Yadav, M.R.](#)
Molecular Diversity, 2021

Book Chapter

Removal of pesticides from water and waste water by microbes

[Bhatt, P., Shrivastav, A.](#)
Development in Wastewater Treatment Research and Processes: Innovative Microbe-Based Applications for Removal of Chemicals and Metals in Wastewater Treatment Plants, 2021

Book Chapter

Comparative Analysis of MCDM Methods for the Evaluation of Optimum Green Energy Sources: Case Study

[Bhowmik, C., Dhar, S., Ray, A.](#)
Research Anthology on Clean Energy Management and Solutions, 2021

Book Chapter

An Integrated Entropy-TOPSIS Methodology for Evaluating Green Energy Sources

[Bhowmik, C., Kaviani, M.A., Ray, A., Ocampo, L.A.](#)
Research Anthology on Clean Energy Management and Solutions, 2021

Article

Psychological impact of covid-19 in the general population of india: A cross-sectional study during lockdown 3.0

[Kotwani, P., Patwardhan, V., Pandya, A.K.](#)
International Journal on Disability and Human Development, 2021

Conference Paper

Study of Swelling and Shrinkage Characteristics of Expansive Soil Using Silica Gel as an Admixture

[Chaudhari, U.](#), [Muchhara, V.B.](#)

Lecture Notes in Civil Engineering, 2021

Conference Paper

Green Supplier Selection: An Empirical Investigation

[Ghosh, S.](#), [Bhowmik, C.](#), [Mandal, M.C.](#), [Ray, A.](#)

Smart Innovation, Systems and Technologies, 2021

Article

Analysis of vertical forces in children with down's syndrome by using emed® capacitance-based pressure platform

[Kakaraparthi, V.N.](#), [Gannamaneni, V.K.](#), [Kakaraparthi, L.](#)

Journal of the Anatomical Society of India, 2021

Article • *Open access*

A cross-sectional study of prevalence and types of sexual dysfunction among married male patients with alcohol dependence syndrome attending tertiary healthcare center from Central Rural India

[Bhainsora, R.S.](#), [Patil, P.S.](#), [Ghogare, A.S.](#), [Vankar, G.K.](#)

Journal of Education and Health Promotion, 2021

Conference Paper

Real-Time Electric Vehicle Collision Avoidance System Under Foggy Environment Using Raspberry Pi Controller and Image Processing Algorithm

[Yadav, A.R.](#), [Kumar, J.](#), [Kumar, R.](#), ...[Singh, P.](#), [Soni, R.](#)

Lecture Notes in Electrical Engineering, 2021

Book Chapter

Fuzzy Logic based Light Control Systems for Heterogeneous Traffic and Prospectus in Ahmedabad (India)

[Vaghela, R.](#), [Solanki, K.H.](#)

Lecture Notes on Data Engineering and Communications Technologies, 2021

Article

Fabrication of Cationic Surfactant (Conventional/Gemini) Functionalized Gr@ZrO₂ Nanocomposite with Faster Adsorbability of an Anionic Azo Dye from Aqueous Solution

[Singh, S.](#), [Patel, B.](#), [Parikh, K.](#), [Kumar, S.](#)

ChemistrySelect, 2020

Article

CRISPR/CAS9 technology for CROP improvement: A new weapon for indian agricultural threats

[Marotkar, S., Hirapure, P., Paranjape, S.A., Upadhye, V.J.](#)

Plant Cell Biotechnology and Molecular Biology, 2020

Article

Digitalagriculture: Contemporary ways for precision farming practices in India

[Bharadwaj, A., Hirapure, P., Paranjape, S.A., Upadhye, V.J.](#)

Plant Cell Biotechnology and Molecular Biology, 2020

Article

Interface Between FRAND Licensing of Standard Essential Patents (SEPS) and Competition Law: Issues and Challenges

[Devarhubli, G.D.](#)

Indian Journal of Law and Justice, 2020

Article

An integrated entropy-TOPSIS methodology for evaluating green energy sources

[Bhowmik, C., Kaviani, M.A., Ray, A., Ocampo, L.A.](#)

International Journal of Business Analytics, 2020

Article

Development of efficient solid waste management system in a town area of Gujarat state: Mahisagar district

[Mahajan, S., Sadh, H., Soni, J.](#)

International Journal of Advanced Research in Engineering and Technology, 2020

Article

A study on environmental education-a barefoot college model understanding

[Iqbal, M., Pandit, D., Chauhan, R., Susilawati, S., Patriani, Y.](#)

International Journal of Advanced Science and Technology, 2020

Conference Paper

Estimating the Impact of Flyover on Vehicle Delay, Fuel Consumption, and Emissions—A Case Study

[Bedada, L., Advani, M., Chandra, S., Juremalani, J.R.](#)

Lecture Notes in Civil Engineering, 2020

Article • Open access

Evidence based support to assess the role of miasm and establish the curative efficacy of homoeopathic antimiasmatic similimum medicines the cases of hyperlipidaemia-a case study

[Malvi, B., Krishnan, P.R.](#)

International Journal of Research in Pharmaceutical Sciences, 2020

Article

Evaluation of commuters' travel behavior under mix traffic condition: A case study of vadodara city

[Javeed, F.A.](#), [Juremalani, J.R.](#), [Sanket, B.](#)

International Journal on Emerging Technologies, 2020

Article

Perception of researchers & academicians of parul university towards research data management system & role of library: A study

[Bunkar, A.R.](#), [Bhatt, D.D.](#)

DESIDOC Journal of Library and Information Technology, 2020

Article

Employee performance motivation and performance management system-exploring the pertinence

[Deogaonkar, A.](#), [Zaveri, B.](#), [Vichoray, C.](#)

International Journal of Management, 2020

Article • *Open access*

To compare the effect of specific yoga and aerobic exercise program on vital parameters in young adult females

[Desai, B.](#), [Desai, D.](#)

International Journal of Current Research and Review, 2020

Article

Determination of vessel elements and computation of hydraulic conductance of hardwood species images using digital image processing technique

[Yadav, A.R.](#), [Anand, R.S.](#), [Dewal, M.L.](#), [Gupta, S.](#)

Wood Science and Technology, 2019

Article • *Open access*

A critical appraisal of mode choice model of work trips

[Javeed, F.A.](#), [Juremalani, J.R.](#), [Sanket, B.](#), [Dharmesh, J.R.](#)

International Journal of Engineering and Advanced Technology, 2019

Article

Comparative analysis of MCDM methods for the evaluation of optimum green energy sources: A case study

[Bhowmik, C.](#), [Dhar, S.](#), [Ray, A.](#)

International Journal of Decision Support System Technology, 2019

Article • *Open access*

Sustained release bioadhesive ocular inserts of olopatadine hydrochloride: Formulation and characterization

[Sabale, V.P.](#), [Kumawat, O.N.](#), [Sabale, P.M.](#)

Indian Journal of Pharmaceutical Education and Research, 2019

Book Chapter

Handling and utilisation of fly ash from thermal power plants

[Nihalani, S.A.](#), [Mishra, Y.D.](#), [Meeruty, A.R.](#)

Circular Economy and Fly Ash Management, 2019

Article

Effect of GDP with respect to the Nominal and Real GDP of India: 2014-‘15

[Ayu Salmah, N.N.](#), [Chauhan, R.](#), [Valianti, R.M.](#), [Maseleno, A.](#)

Opcion, 2019

Article

Effect of GDP with respect to the nominal and real GDP of India: 2014-‘15 | Efecto del PIB con respecto al PIB nominal y real de la India: 2014-‘15

[Ayu Salmah, N.N.](#), [Chauhan, R.](#), [Valianti, R.M.](#), [Maseleno, A.](#)

Opcion, 2019

Article

Ethical climate and its effect in teaching hospital: A vision from 3rd eye

[Bansal, A.K.](#), [Parmar, P.B.](#), [Bansal, P.](#), ...[Barai, P.H.](#), [Thomas, E.](#)

Journal of Indian Academy of Forensic Medicine, 2019

Conference Paper

Design of Smart Power Distribution Network for Smart City-Dholera

[Pandya, R.](#), [Velani, K.N.](#), [Karvat, D.](#)

Proceedings of the 2018 International Conference on Current Trends towards Converging Technologies, ICCTCT 2018, 2018

Conference Paper

Optical Character Recognition for Tigrigna Printed Documents Using HOG and SVM

[Tsegay Fitsum, K.](#), [Patel, Y.](#)

Proceedings of the International Conference on Inventive Communication and Computational Technologies, ICICCT 2018, 2018

Conference Paper

Comparison of feature extraction techniques to recognize traffic rule violations using low processing embedded system

[Purohit, M.R.](#), [Yadav, A.R.](#)

2018 5th International Conference on Signal Processing and Integrated Networks, SPIN 2018, 2018

Article

Antidiabetic and renoprotective effect of Anogeissus acuminata leaf extract on experimentally induced diabetic nephropathy

Navale, A.M., Paranjape, A.N.

Journal of Basic and Clinical Physiology and Pharmacology, 2018

Conference Paper

Simulation and feasible analysis of system standalone PV-Wind hybrid system for rural electrification

Abaye, A.E., Paliwal, R.K.

2018 3rd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2018 - Proceedings, 2018

Conference Paper • *Open access*

Emission Control Technologies for Thermal Power Plants

Nihalani, S.A., Mishra, Y., Juremalani, J.R.

IOP Conference Series: Materials Science and Engineering, 2018

Article

Hydro carbon and carbon monoxide reduction from exhaust of vehicles

Prajapati, R., Patel, J., Soni, R., Modi, S.

International Journal of Engineering and Advanced Technology, 2018

Article

Performance management system in telecom industry –A tool for development of employee

Deogaonkar, A., Zaveri, B.

Journal of Advanced Research in Dynamical and Control Systems, 2018

Conference Paper

I-MsRTRM: Developing an IoT Based Intelligent Medicare System for Real-Time Remote Health Monitoring

Patel, W.D., Pandya, S.N., Mistry, V.

Proceedings - 2016 8th International Conference on Computational Intelligence and Communication Networks, CICN 2016, 2017

Conference Paper

Virtex FPGA based flash memory controller for chandravaan-2 lander mission

Patel, D.K., Parmar, Y.D.

Proceedings of the International Conference on Computing Methodologies and Communication, ICCMC 2017, 2017

Conference Paper

High speed vedic multiplier used vedic mathematics

[Kahar, D.K.](#), [Mehta, H.](#)

Proceedings of the 2017 International Conference on Intelligent Computing and Control Systems, ICICCS 2017, 2017

Article

Optimal Policies for Time-Varying Deteriorating Item with Preservation Technology Under Selling Price and Trade Credit Dependent Quadratic Demand in a Supply Chain

[Shah, N.H.](#), [Chaudhari, U.B.](#), [Jani, M.Y.](#)

International Journal of Applied and Computational Mathematics, 2017

Article • Open access

Anti-arthritic activity of a classical Ayurvedic formulation Vatari Guggulu in rats

[Patel, M.G.](#), [Pundarikakshudu, K.](#)

Journal of Traditional and Complementary Medicine, 2016

Article

Effect of Shatpuspadya Churna - a classical Ayurvedic formulation on formaldehyde and Complete Freund's adjuvant (CFA) induced arthritis in rats

[Patel, M.G.](#), [Pundarikakshudu, K.](#)

Oriental Pharmacy and Experimental Medicine, 2016

Conference Paper

Performance prediction of students using distributed data mining

[Parmar, K.](#), [Vaghela, D.](#), [Sharma, P.](#)

ICIIECS 2015 - 2015 IEEE International Conference on Innovations in Information, Embedded and Communication Systems, 2015

Conference Paper

Performance prediction of students using distributed Data mining

[Parmar, K.](#), [Vaghela, D.](#), [Sharma, P.](#)

ICIIECS 2015 - 2015 IEEE International Conference on Innovations in Information, Embedded and Communication Systems, 2015

Article

Diabetes mellitus – Treatment using bi-layer tablets containing fixed-dose combination of antidiabetic agents

[Gohel, N.A.](#), [Patel, D.M.](#), [Patel, K.S.](#), [Modi, J.G.](#), [Ghodasara, R.](#)

International Journal of Pharmaceutical Sciences Review and Research, 2015

Conference Paper

Enhancing Security in Cloud Computing Using Bi-directional DNA Encryption Algorithm

[Prajapati, A.](#), [Rathod, A.](#)

Advances in Intelligent Systems and Computing, 2015

Conference Paper

I-EDRI Scheme to Mitigate Grayhole Attack in MANETs

Patel, A.D., Jhaveri, R.H., Shah, S.N.

Advances in Intelligent Systems and Computing, 2015

Conference Paper

Dual Security Against Grayhole Attack in MANETs

Patel, A.D., Chawda, K.

Advances in Intelligent Systems and Computing, 2015

Article • *Open access*

Assessment of genotoxic potential of Hridayarnava Rasa (a herbo-mineralo-metallic ayurvedic formulation) using chromosomal aberration and sperm abnormality assays

Jagtap, C.Y., Chaudhari, S.Y., Thakkar, J.H., Galib, R., Kumar Prajapati, P.

Toxicology International, 2014

Article

Simultaneous quantitation of piperine and piperlongumine in the fruit of Piper longum Linn. by validated high-performance thin-layer chromatography-densitometric method

Pundarikakshudu, K., Sharma, A.S., Bhatt, C.J., Kanaki, N.S.

Journal of Planar Chromatography - Modern TLC, 2014

Review • *Open access*

Outline of researches on raktamokshana

Sathish, H.S., Baghel, M.S., Bhuyan, C., ...Narmada, M.G., Mithun, B.

International Journal of Research in Ayurveda and Pharmacy, 2013

Article • *Open access*

Simultaneous analysis and quantification of markers of manjisthadi churna using high performance thin layer chromatography

Patel, V.R., Patel, R.K.

Indian Journal of Pharmaceutical Sciences, 2013

Article

An overview of medicinal plants as wound healers

Sabale, P.M., Bhimani, B.V., Prajapati, C.K., Sabale, V.

Journal of Applied Pharmaceutical Science, 2012

Article

HPTLC method Development & validation for quantification of markers of dhatrinisha churna

Patel, V.R., Patel Rakesh, K.

Pharmacognosy Journal, 2012

Article

Tubular combustion chamber for micro gas turbine application: Numerical simulations

Dharani, B., Kulshreshtha, D.B., Joshi, K.C., Jejurkar, A.N.

International Journal of Applied Engineering Research, 2011