

Brief Biodata of

Prerna Mehta



Ambassador of Microbiologists Society, India,
Associate Director of Management at Creative Division of
MBSI, India
Executive Advisor to Board of Directors at Micro Militia Division of
MBSI, India
Assistant Professor, Department of Biotechnology,
GD Rungta College of Science and Technology, R1, Bhilai- 490024,
Chhattisgarh, India

Over 8 years in the academic realm, I have held impactful roles as a Lecturer and Assistant Professor, demonstrating a commitment to advancing education and contributing to biotechnological research. My journey includes notable achievements such as authoring published works and securing a utility patent, reflecting a dynamic and accomplished professional trajectory.

Name Prerna Mehta

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Academic Qualifications

Degree	University	Year of Passing	Class
B.Sc. (Biotechnology)	Pandit Ravishankar Shukla University,	2012	1 st Class (Gold Medal)

	Raipur, Chhattisgarh, India		
M.Sc. (Biotechnology)	Pandit Ravishankar Shukla University, Raipur, Chhattisgarh, India	2014	1 st Class
B.Ed. (Biology)	Hemchand Yadav University, Durg, Chhattisgarh, India	2022	1 st Class with Distinction (80%)
PhD in Biotechnology	MATS University, Raipur, Chhattisgarh, India	Pursuing	Pursuing

Skills

- [1] Curriculum Design
- [2] Classroom Management
- [3] EdTech Integration
- [4] Research: Experimental Design, Data Analysis
- [5] Biotech: Biomolecules, Molecular Biology
- [6] Tech Proficiency: Lab Techniques, Data Analysis
- [7] Communication: Effective, Public Speaking
- [8] Organization: Project, Event Coordination

Teaching Experience

Institution and Place	Position	From	To
Khalsa Public Higher Secondary School, Durg, Chhattisgarh, India	PGT	May 2017	April 2020
Vishwadeep Senior Secondary School, Padmanabhpur, Durg, Chhattisgarh, India	TGT	May 2020	June 2022

GD Rungta College of Science and Technology, R1, Bhilai, Chhattisgarh, India	Assistant Professor	July 11, 2022	August 22, 2024
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Professional Experience

Position	Organization	Duration
Activity In Charge	Khalsa Public Higher Secondary School, Durg, Chhattisgarh	1 year
External Examiner for Biology Practicals	Govt. Higher Secondary School, Urla, Durg	January 16, 2019
Board Paper Checker for Class 10th	Jhaduram Dewangan Government Multipurpose Higher Secondary School, Durg, Chhattisgarh, India	One paper published in Navbodh Pariksha Saar 2019

Book Chapters Published

Meta Minds: Intellectual Property Rights in Neuro-enhanced Creations	National Conference on Emerging Trends on IPR	Swami Swaroopana nd College, Bhilai, Chhattisgarh
Transgender People in the 21st Century (in the Perspective of Religion)	Gender and Religion	Kalinga University, Raipur, Chhattisgarh
Toward Sustainable Environmental Education Trends, Challenges, and Opportunities	Sustainability and Citizenship: Social Scientific Issues in Science Education, https://doi.org/10.1201/9781003679332	Collaboratio n with CRC Press, a Taylor & Francis

		Group, Apple Academic Press
Mycodegradation of Lignocellulosic Waste Biomass and Their Applications	Sustainable Management of Agro-Food Based	Elsevier
Book title- Marine Larvae: Development and Applications	Chapter- Application for Marine Medaka Larvae for Ecological Toxicity Assessment, https://doi.org/10.1201/9781003359388	CRC Press- Taylor and Francis (2024).
Book Title- Emerging Trends on Intellectual Property Rights	Chapter- Meta Minds: Intellectual Property Rights in Neuro-Enhanced Creations	ABS Books Publisher and Exporter, Delhi, India, 2024
Book title- Sustainable Management of Agro-Food Waste: Fundamental Aspects and Practical Applications	Chapter- Myco degradation of lignocellulosic waste biomass and their applications	Elsevier Scopus, 04/12/2024
Book title- Climate, Environment and Agricultural Development - A Sustainable Approach Towards Society	Chapter- The Impact of Climate Change on the Environment, Water Resources, and Agriculture: A Comprehensive Review, https://doi.org/10.1007/978-981-97-8363-2_12	Springer, 17/12/24
Book Name- Futuristic Trends in Chemical Material Sciences & Nano Technology Volume 3 Book 22	Chapter- Emerging Technologies and Their Impact on Biological Science Research, doi.org/10.58532/V3BECS22P2CH3	IIP Series, May 2024

<p>Book name- Tech Horizons: Bridging Disciplines in the Era of Emerging Technologies</p>	<p>Solar Energy Revolution: Advances and Applications in Renewable Power, https://www.doi.org/10.58532/nbennurthch5</p>	<p>IIP Series, July 30, 2024</p>
<p>Book name- Tech Horizons: Bridging Disciplines in the Era of Emerging Technologies, https://www.doi.org/10.58532/nbennurthch10</p>	<p>Computer Technology, https://www.doi.org/10.58532/nbennurthch10</p>	<p>IIP Series, July 30, 2024</p>
<p>Book name- Prioritizing Employee Mental Health and Well-Being for Organizational Success</p>	<p>A Multi-Level Approach to Burnout Prevention: Strategies for a Sustainable and Thriving Workforce, DOI: 10.4018/979-8-3373-2210-0.ch009</p>	<p>IGI Global Publishing, May 02, 2025</p>
<p>Book name-Toward Sustainable Environmental Education Trends, Challenges, and Opportunities</p>	<p>Sustainability and Citizenship: Social Scientific Issues in Science Education, https://doi.org/10.1201/9781003679332</p>	<p>AAP, Taylor and Francis, CRC Press, Forthcoming October 2025</p>
<p>Book name- Advancing Science and Innovation in Healthcare Research Health Horizons</p>	<p>Optimizing Neurological and Cardiovascular Health Through Exercise, https://doi.org/10.1016/B978-0-443-33351-4.00008-8</p>	<p>Elsevier, Academic Press, July 25, 2025</p>
<p>Book- Sahyadri Dialogue: Open Letters To Pakistan</p>	<p>TO OUR NEIGHBOURS IN PAKISTAN, 10.25215/9141001737</p>	<p>Redshine Publication Sweden (14 June 2025)</p>

Book- Advancements in the Diagnostics and Therapeutics for Non-Small Cell Lung Carcinoma (NSCLC).	CAR-T Cell Therapy - Effectiveness and Limitations against NSCLC: Evaluating CAR-T Cell Therapy Outcomes,10.4018/979-8-3373-2096-0	IGI Global Publishing, October, 2025.
Book- Harnessing Data Science for Sustainable Insurance	The Role of Data-Driven Marketing Strategies in Sustainable Insurance, 10.4018/979-8-3373-1882-0	IGI Global Publishing, July, 2025.
Book- Municipal Waste Management: Policies and Strategies	Industrial Waste Management and Safety Measures ,https://doi.org/10.1079/9781836990666.0008	CABI, 18 November 2025
Book name- Advancing Science and Innovation in Healthcare Research Health Horizons	Optimizing Neurological and Cardiovascular Health Through Exercise, https://doi.org/10.1016/B978-0-443-33351-4.00008-8	Elsevier, Academic Press, July 25, 2025
Book name- Advanced Machine Learning Models for Dynamic Pricing in Energy Markets	Harnessing Data Science for Sustainable Insurance, 10.4018/979-8-3373-1882-0	IGI Global Publishing, July, 2025.

Patents

- A chamber to detect radiation and a method to shower melanin to protect the user against radiation.
- AI-Powered Rural Enhancement System for Tackling Hunger & Ensuring Water Conservation through Smart Resource Management.

Workshops and Webinars

Event Type	Event/Organization	Date
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National Workshop	CCOST-sponsored National Workshop on Awareness about Patents (IPR)	2018
Workshop	Integral Education "Seeds of Future Dawns" Workshop by Sri Aurobindo Society Puducherry	2018
Award	Kendra Prabhari Sikhshak Sammaan by Chhattisgarh Sikhshak Mahashangh Jila	2019
Webinar	Participation on International Yoga Day organized by The Ministry of AYUSH and MyGov	2021
Webinar	Online Presentation Skills conducted by the Government of Nagarjuna PG College of Science Raipur, CG	2021
National Level Workshop	Workshop on Paradigm Change In Career Development: Unfolding Opportunities In The New Normal Realm by the Department of Commerce & Management & IQAC CELL	2021
Online Lecture Series	"MEET THE DOCTOR" 7 Days Online Lecture Series by Hemchand Yadav University, Durg (C.G)	2021
International Webinar	Urban Farming - Cultivation of Medicinal Plants in Hydroponics organized by SLI International Webcasting Centre	2021
National Webinar	Coexisting with COVID-19 conducted by Govt. Arts and Commerce Girls College IQAC	2021
Certificate of Achievement	National Level General Knowledge & Awareness Online Quiz - Covid 19 by Vindyankur Education	2021
Webinar	Clock Controlled Cardiovascular Health: The Regulatory Role of MicroRNA	2024
Webinar	"GMP in industry: An investment in quality product" organized by the Department of Microbiology of Maulana Azad College of Arts, Science & Commerce, Aurangabad in association with the Microbiologists Society of India on September 28, 2024.	2024

Professional Development

- Participated in workshops on research methodology, semiotics of cinematic adaptation, and development programs conducted by various organizations.
- Participated in the 'Ganesha Kriti Workshop' for 2 days.
- Attended seminars and conferences on various topics, including "Bioresource - Its Implication, Alteration, and Management for the Welfare of Living Kingdom," "Frontiers of New Biology," "Emergence of Modern Biotechnology and Its Application," and more.
- Attend and present paper on 19 Chhattisgarh Young Scientists Congress (Cysc-2024), Raipur, Chhattisgarh, with Title- 'Iron-based nanoparticles in industrial wastewater treatment: Enhanced contaminant removal'.
- Participate and Present paper on sponsored 9th International Conference "Shaastrarth-2024" on Emerging Technologies and Multidisciplinary Research for Sustainable Development held on 5 & 6 January 2024, organized by Rungta a of Engineering and Technology, Bhilai on the topic- Solar Energy Revolution: Advances and Applications in Renewable Power.
- Presented paper on "New Paradigms in Clinical and Medical Nutrition" at the One Day International Conference on "Sustainable Practices in Sports, Nutrition and Health Promotion" on August 24, 2024, organized by Smt. RDG College for Women, Akola, Maharashtra, India.
- Participated and presented a paper titled "Diaspora and Digital Connectivity: Digital Diaspora, Virtual Community" at a Three-Day National Webinar on "Indian Diaspora, Migration and Development: A Multifaceted Exploration." The webinar was held online via Google Meet from 28th to 30th August 2024 and was organized by the Department of Geography and the Department of Journalism & Mass Communication at Shri Rawatpura Sarkar University in Raipur, Chhattisgarh, India.
- Presented chapter titled "New Paradigms in Clinical and Medical Nutrition: Concept of Adjuvant Augmentation Nutritional Strategies" in the special issue of the journal "Research Nebula" for the One Day International Multi-Disciplinary Conference on Sustainable Practices in Sports, Nutrition and Health Promotion, held on 24th August 2024 at Smt. Radhadevi Goenka College for Women, Akola, Maharashtra, with DOI PREFIX 10.22183, JOURNAL DOI 10.22183/RN, and an SIF of 7.399.
- Participated in the IP Awareness/Training program under the National Intellectual Property Awareness Mission on September 21, 2024, organized by the Intellectual Property Office, India.

- Presented a paper titled “**Medicinal Biotechnological Approaches in Pursuing Therapeutic Drugs from Plant Secondary Metabolites**” at the ICEES 2024 conference, held on October 21-22, 2024, at Amity University, Ranchi, Jharkhand, India.
- Actively participated in the 79th SPSR International Webinar on "Gene Polymorphisms Associated with Treatment Outcomes of Morphine among Cancer Pain Patients," organized by the Society of Pharmaceutical Sciences and Research (SPSR) in association with the Malaysian Pharmacists Society, January 19, 2025.
- Participated in “Innovative Drug Delivery, Phytopharmaceuticals, and Healthcare Policy Integration” organized by Guru Gobind Singh College of Pharmacy, Yamuna Nagar, Haryana, India, and Amar Shaheed Baba Ajit Singh Jujhar Singh Memorial College of Pharmacy, Bela, Punjab, India, in collaboration with the Association of Registered Pharmacists (ARP) on January 21, 2025.
- Participated in the National Seminar "Ignite the Spark: Unlocking Inner Potential for Personal and Professional Growth" organized by the Department of Commerce and Management, University of Kota, Rajasthan, and the Indian Accounting Association, Kota Branch, held on March 7, 2025, at GD Rungta College of Science and Technology, Bhilai, Chhattisgarh, India.
- Actively participated as a NSS Programme Officer/NSS Volunteer in the One-Day National Seminar on “Ek Bharat Shreshtha Bharat: Fostering National Unity Through NSS” (Hybrid Mode) organized by RUSA Component No. 11, Faculty Improvement Scheme & Knowledge Consortium of Gujarat (KCG), Ahmedabad, held on February 7, 2026, at C P Patel & F H Shah Commerce College, Anand (Autonomous).

Faculty Development Programs (FDPs)

- Engaged in GDR CST Faculty Development Program (FDP) on "Utilities of MS Word & MS-Excel" in 2023.
- Actively participated in FDP focusing on abstract writing skills at GDR CST in 2023.
- Explored the intricacies of income tax returns during the GDR CST FDP in 2023.
- Delved into AI tools for research in the GDR CST FDP sessions in 2023.
- Actively participated in FDP focusing on How to remove plagiarism in writing in 2023.
- Actively participated in FDP focusing on How to use Mendeley Reference in 2023.
- Actively participated in FDP focusing on How to prepare an Effective Review Article in 2023.

- Participated in an awareness quiz competition on National Dengue Day on May 16th, 2024.
- Actively participated in Next Generation Sequencing at the Department of Biotechnology, Haldia Institute of Technology, West Bengal, India, May 6th to 11th, 2024.
- Participated in the National Intellectual Property Awareness Mission (NIPAM) organized by the Intellectual Property Office, India from 25th April 2024 to 5th June 2024.
- Completed Faculty Development Program on Research Methodology, Dev Sanskriti College of Education and Technology, Khapari, Durg, June 3-12, 2024.
- Participated in a One Week Faculty Development Programme on Innovative Approaches in Environmental Research and Sustainability, 01-07 August 2024, Organized by: the Department of Environmental Science, Centre of Excellence Centre for Biodiversity & Environmental Conservation, Amity University Madhya Pradesh.
- Participated in the Faculty Development Program / Training Program On "NAAC: New Reforms-2024: An Introduction to Binary Accreditation Framework, New Education Policy-2020" Organised by: Research Foundation India & Council of Academic Research and Educational Organisation (RFI-CARE) from 06-07 August 2024.
- Participate in a day online webinar on "Wiley's Journals: How They Can Help Researchers and How to be Successful in Your Publication Process," organized by HEC on November 11, 2024.
- Participated in the "Microbiomes and Human Health" webinar on October 19, 2024, organized by the Student Council MBSI, SSSMV Chhattisgarh.
- Participated in the National Webinar on the occasion of World Polio Day, organized by the Global Forum for Sustainable Rural Development, Global Centre for Youth Development, on October 24, 2024.
- Participated in the **AICTE Training and Learning (ATAL) Academy Faculty Development Program**
Next-Gen Solutions for Medical Challenges Powered by AI-Based Intelligent Systems Malla Reddy, Vasant Kunj, New Delhi -110070, College of Engineering & Technology
December 16, 2024 – December 21, 2024
Completed an intensive program focused on innovative AI applications in addressing medical challenges.
- Participated in the International Expert's Talk Show on Bioprocessing of Secondary Metabolites, discussing current challenges and future opportunities, organized by the Microbiologists Society, India, on April 10th, 2025.

- Participated in the one-day National Webinar on "Essential Skills and Sampling: Key to Success in Statistics" held on April 11, 2025, at Bangaramma Sajjan Arts, Commerce and Science College for Women, Vijayapura.
- Participated in an IPR awareness training program under the National Intellectual Property Awareness Mission (NIPAM) on May 5, 2025.
- Participated in the National Webinar on UGC NET Paper 1 organized by Nucleus of Learning and Development, UDYAM-GJ-24-0122141, 255W104HSS42, on May 10, 2025.
- Participated in the One-week Faculty Development Program (FDP) on Biotech 2.0: Empowering Educators with Cutting-edge Knowledge from November 17 - 22, 2025, from the Department of Biotechnology, Haldia Institute of Technology (HIT), Haldia.

Short-Term Training Program (STTP)

- Participated in a 3-day Short Term Training Program (STTP) on 'Idea to Manuscript' by CRC, REF, Bhilai, Chhattisgarh.
- Participated in the online International Lecture Series on Gender Equality (SDG5) of Four months under the collaboration of GLOBAL FORUM FOR SUSTAINABLE RURAL DEVELOPMENT(GFSRD) from 18/11/2023 to 08/03/2024.
- Completed a 15-day certificate program on "Mushroom Cultivation and Spawn Production" organized by IQAC at Swami Shree Swaroopanand Saraswati Mahavidyalaya, Amdi Nagar, Hudco, Bhilai, Chhattisgarh, from 22-03-2024 to 08-04-2024.
- Participated in a 4-week program on "Microbiology Laboratory Techniques" organized by the Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur, in association with the Biotechnological Society of Nepal and Western Rio Janeiro State University, Brazil, from 22nd April to 21st May 2024.
- Participated in the 'Ten Day Value Added Programme on Advanced Research Techniques in Social Sciences' organized by the Department of Regional Economics, Mahatma Jyotiba Phule Rohilkhand University, Bareilly, Uttar Pradesh from 16th to 25th August 2024.
- Participated in the international seminar on "Stewardship For Clean-healthy Rivers" at Michael Madhusudan Memorial College on 30th August, 2024. The event was organized in collaboration with IQAC, MMMC & Microbiologist Society of India.
- Participated in the online National Quiz Competition organized by the History Department of the Government Autonomous College, Rajnandgaon (C.G.) from 2nd

October, 2024 to 4th October, 2024, in commemoration of the birth anniversaries of Mahatma Gandhi and Lal Bahadur Shastri.

- Participated in the National Webinar organized on the occasion of World Polio Day (24th October, 2024), in recognition of active participation, a Certificate of Participation was awarded by the Global Forum for Sustainable Rural Development and Global Centre for Youth Development.
- Participated and presented a paper titled "Medicinal Biotechnology: Producing Therapeutic Drugs from Plant Secondary Metabolites - Jharkhand" at the International Conference on Ecotoxicology and Environmental Sciences (ICEES-2024) held on 21st - 22nd October, 2024 at the Main Auditorium, Amity University Jharkhand, Ranchi – New Campus, HEC Core Capital Area, Naya Sarai, Ranchi, Jharkhand, India.
- Active participant in the Bioinformatics Course 201 on October 11, 2024, covering fundamentals such as DNA sequencing technologies, codon/protein coding identification, comparative genomics, and whole genome/exome alignment for disease-associated genomic rearrangements. Gained insights into functional annotation and phylogenetics across species for evolutionary analysis.
- Participated in the Virtual Reviewer's Week theme "Elevating Excellence in Peer Review," organized by IESRF in collaboration with the Indian Reprographic Rights Organisation (IRRO) and sponsored by IP Innovative Publication Pvt Ltd., New Delhi, held on January 10th - 11th, 2025.
- Actively participated in a free 2-hour workshop on "Protocol Writing & Narrative Writing" conducted by Curio & CliMed Academy, initiatives of CliMed Research Solutions, on January 12, 2025.
- Participated in "Innovative Drug Delivery, Phytopharmaceuticals, and Healthcare Policy Integration," organized by Guru Gobind Singh College of Pharmacy, Yamuna Nagar, Haryana, India, and Amar Shaheed Baba Ajit Singh Jujhar Singh Memorial College of Pharmacy, Bela, Punjab, India, in collaboration with the Association of Registered Pharmacists (ARP) on January 21, 2025.
- Active participation in a free webinar on "Scope & Career Opportunities in Clinical Data Management" conducted by Curio & CliMed Academy, initiatives of CliMed Research Solutions, on January 25, 2025.
- Participated in the Faculty Enrichment Program (FEP) webinar on "Technology Gap Between Teaching and Learning," organized under the aegis of the IQAC by East West College of Management, Bangalore on January 30, 2025.
- Participated in the Faculty Enrichment Program (FEP) webinar on "Opportunities in Advanced Technologies for Teachers," organized under the aegis of IQAC by East West College of Management, Bangalore on 31/01/2025.

- Participated in the e-Seminar on “Bridging Biology and Business for Life Science Students 2025” Department of Biotechnology, Shivchhatrapati College in collaboration with the Microbiologists Society, India Chhatrapati Sambhajinagar, February 1, 2025.
- Participated in the 80th SPSR International Webinar on ‘Artificial Intelligence in Pharmaceutical Care’ organized by the Society of Pharmaceutical Sciences and Research (SPSR) in-association with Malaysian Pharmacists Society on 2nd February 2025.
- Participated in a Nation-Wide Interactive Session on “HALO & HORN EFFECT: HOW BIASES CAN SILENTLY IMPACT OUR CLASSROOM TEACHING” conducted on 03.02.2025, organized by the Internal Quality Assurance Cell in association with the Department of Commerce and Business Administration, S.R.R. GASC(A), Karimnagar.
- Participated in the training program on “Climate Resilience Livestock Farming” organized by the Training and Education Centre, ICAR-Indian Veterinary Research Institute, Pune, from January 20 to 24, 2025, via virtual mode (LBI-7804-2024).
- Participated in the NEP Orientation & Sensitization Programme held from April 2 to April 10, 2025, at UGC-MMTTC (also GAD-MMTTC), SGTB Khalsa College, University of Delhi.ss
- Attended a two-day online workshop on developing effective methods of online assessment and evaluation, organized by Gautam Buddha Teachers’ Training College, Hazaribagh, Jharkhand, in collaboration with the Council for Teachers Professional Development (CTPD, India), held from April 18-19, 2025.
- Active participant in the National e-Workshop on Academic, Scientific, Research, and Technical Writing, held on November 15, 2025, organized by the Department of English, School of Engineering and Technology, Dhanalakshmi Srinivasan University, Tiruchirappalli, Tamil Nadu, India.
- Active participant in the online lecture, "Bio-Entrepreneurship: Transforming Life Science Innovations into Market Impact," held on January 24, 2026.
- Participated in the "Impactful Manuscript Writing Techniques" workshop on February 13, 2026, as part of the International Free Workshop Series 2026 organized by the Bangladesh Institute of Innovative Health Results.

Educational Tours and Explorations

- Attended an educational tour at ADITYA BIRLA BIOTECH.

- Tour at Pt. Ravishankar Shukla University, Raipur, Chhattisgarh.
- Explored the INS Kursura Submarine Museum in Visakhapatnam, gaining insights into naval history and technology through interactive exhibits.
- Ascended Kailasagiri, a hilltop park, to absorb panoramic views of Visakhapatnam, utilizing the serene surroundings for recreational and educational activities.
- Studied coastal ecology at Rushikonda Beach, fostering discussions on marine life, conservation, and environmental science amidst the natural coastal setting.
- Explored the TU-142 Aircraft Museum, delving into aviation technology and history by interacting with exhibits, particularly a retired TU-142 aircraft.
- Visited Indira Gandhi Krishi Vishwavidyalaya (IGKV), Raipur, Chhattisgarh, exploring diverse agricultural research labs and facilities.

Mentorship

- International Cultural Exchange Webinar
- Mentor of Beacon Magazine, Volume 16, Rungta College Magazine, 2023 and 2024.

Professional Roles and Achievements

- Ambassador of MICROBIOLOGISTS SOCIETY, INDIA, 2023.
- CGIP Organizing Executive Board as the Chairperson and WSC Organizing Board as the Joint Secretary- **January 17, 2024**
- Guided organizational strategies and administrative functions as Chairperson, exhibiting strong leadership acumen and ensuring an effective decision-making process. Chairperson of the interview board of the Internship program for recruiting staff members from 10-14 January 2024, Microbiologists Society India.
- Demonstrated expertise in talent acquisition and team management as HR Manager at MSI, India, steering the Interview Board during crucial recruitment initiatives and contributing to organizational growth.
- Leveraged extensive experience in strategic planning and project management as Associate Director at MBSI, New York, orchestrating high-stakes initiatives and fostering cross-functional collaboration to drive company-wide advancement.
- Spearheaded visionary leadership and operational excellence as a member of the Executive Board of Directors at the Micro Militia Division of MBSI, driving transformative strategies and propelling the division towards unprecedented market expansion and innovation.

Publications

- **"Cognitive Creations and Intellectual Property Rights in the Era of Meta Minds"** published in IJARIE with IJARIE-ISSN(O)-2395-4396.

Sikdar, P. R., & Mehta, P. (2023). Cognitive Creations and Intellectual Property Rights in the Era of Meta Minds. *International Journal of Advance Research and Innovative Ideas in Education (IJARIE)*, 9(6), 2488-2496. https://ijarie.com/AdminUploadPdf/Cognitive_Creations_and_Intellectual_Property_Rights_in_the_Era_of_Meta_Minds_ijarie22349.pdf

- **'Meta Minds: Intellectual Property Rights in Neuro-enhanced Creations'**, pages 288-293, published in December 2023, navigates the complex terrain of protecting innovative creations.
- **'Nanoparticles in Agriculture and Wastewater Treatment: Evaluating Dual Impacts Across Nations'**, *Doi: 10.2023/EJRI/202312001*, published in EURASIAN JOURNAL OF RESEARCH AND INNOVATION (EJRI) on Dec 2023.
- **"Utilizing Fungal Biodegradation for Valorisation of Lignocellulosic Waste Biomass and Its Diverse Applications"** DOI: <https://doi.org/10.1002/appl.202300119>, First Published on 13 February 2024 on Applied Research, Wiley Publication, Scopus.
- **'Fueling the Solar Evolution: Progress in Photovoltaic Cells and IoT Energy Integration for Agricultural Biotechnology'**, *Doi: https://doi.org/10.5281/zenodo.10845914*, published on 24 February 2024 on the Journal of Agriculture Biotechnology & Applied Sciences (JABAAS).
- **'A recent review of the synthesis of plant-derived iron oxide nanoparticles for metal ion removal'**, *Doi: https://doi.org/10.1016/j.inoche.2024.112611*, published in Inorganic Chemistry Communications on 23 May 2024, **Scopus**.
- **'Adsorption-Based Approaches for Exploring Nanoparticle Effectiveness in Wastewater Treatment'**, *Doi: https://doi.org/10.1002/slct.202400959*, published in Chemistry Select on July 1st, 2024.
- **'Bridging the Gap between Technology and Medicine through the Revolutionary Impact of the Healthcare Internet of Things on Remote Patient Monitoring'** *Doi: 10.54216/JISIoT.130217*, published in the Journal of Intelligent Systems and Internet of Things on July 6, 2024.
- **Published as a guest article titled "Gene Therapy: Revolutionizing Treatment Modalities"** in **Biotech Express** with ISSN: **2454-6968**, Vol 11, Issue 133, August 2024, in association with the Microbiologists Society India.
- **Published chapter titled "New Paradigms in Clinical and Medical Nutrition: Concept of Adjuvant Augmentation Nutritional Strategies"** in the special issue of the journal **"Research Nebula"** for the One Day International Multi-Disciplinary Conference on Sustainable Practices in Sports, Nutrition and Health Promotion, held on **24th August 2024**

at Smt. Radhadevi Goenka College for Women, Akola, Maharashtra, with DOI PREFIX 10.22183, Journal **Doi:** [10.22183/RN](https://doi.org/10.22183/RN), and an SIF of **7.399**.

- **Commentary** titled **-From decay to decadence: Fungal alchemy in waste valorization**, **Doi:** <https://doi.org/10.46439/biomedres.5.054> in **Journal of Biomed Research** on August 01, 2024.
- Authored a blog post titled **"The Impact of Peer Review on the Career Development of Researchers, Authors, and Reviewers"**, [The Impact of Peer Review on the Career Development of Researchers, Authors, and Reviewers - Innovative Publication Blog](#), on the IIP Innovative Publication Blog.
- Authored a blog post titled **'Maintaining Research Quality and Integrity in the AI Era with Editorial Workflows'** on the IIP Innovative Publication Blog, [Innovative Publication Blog - Page 3 of 5 - IP Blog](#).
- **The Impact of Climate Change on the Environment, Water Resources, and Agriculture: A Comprehensive Review**, **Doi:** https://doi.org/10.1007/978-981-97-8363-2_12, published in Springer.
- **Mycodegradation of Lignocellulosic Waste Biomass and Their Applications**, **Doi:** <https://doi.org/10.1016/B978-0-443-23679-2.00022-7>, published in Springer, 2025.
- Published a research paper titled **"Gandhian Educational Philosophy and NEP 2020: A Comparative Analysis"** in the **Current Issue (Volume VIII, Issue II - April 2025) of GAP GYAN - A Global Journal of Social Sciences (ISSN: 2581-5830)**, with an **Impact Factor of SJIF 4.998 and IIFS 4.375**.
- Research paper- **Doe-Optimized Rp-Hplc Method For Simultaneous Quantification Of Emtricitabine And Tenofovir Disoproxil Fumarate In Tablets**, in the **Journal Thai Science, Technology and Health Review** on 2025/8/18, <https://he05.tci-thaijo.org/index.php/TSTHR/article/view/4590>.
- Published a review paper on **Biophilia Insights- Revolutionizing therapeutics: Exploring novel biotechnological methods for disease management and treatment** on 2025-06-07, <https://doi.org/10.52679/bi.e202531004>.
- Research paper- **Systematic Optimization of Swertisin-Rich Extract from *Enicostemma littorale* Using Box-Behnken design and Quantification by LC-MS/MS: A Smarter Approach to Extraction Efficiency**, [10.52711/2231-5713.2025.00048](https://doi.org/10.52711/2231-5713.2025.00048) will be published on December 2025 on the journal **Asian Journal of Pharmacy and Technology**.
- Published a review paper on the journal **Medinformatics (MEDIN)**, titled- **Wearable Technology Revolution: Improving Health Monitoring and Well-being**, on 19/09/2025, <https://doi.org/10.47852/bonviewMEDIN52025592>.

- Published an editorial on the journal Probiologists- Archives of Stem Cell and Therapy, ISSN: 2767-343X; **Recent discoveries in stem cell therapy: Charting new territories in regenerative medicine**, Volume 6, Issue 1, on September 15, 2025, DOI: <https://doi.org/10.46439/stemcell.6.024>.
- Published **Fluorescent Organic Nanoparticles: Innovations in Metal Ion Detection and Wastewater Remediation**, on 14.02.2026, Research J. Science and Tech. 2026; 18(1):105-113. DOI: [10.52711/2349-2988.2026.00016](https://doi.org/10.52711/2349-2988.2026.00016).
- Published Medicinal Biotechnology: Extracting Therapeutics from Plant Metabolites, Research Journal of Science and Technology. 2026; 18(1):114-4. DOI: [10.52711/2349-2988.2026.00017](https://doi.org/10.52711/2349-2988.2026.00017).
- Published an English Poem on book titled- Tera Intezar, by Rangrez Publication House, ISBN No.- 978-93-5592-291-5 on 19/01/2026, available in google play.

Book Published

- Hidayat-e-Dil in the year 2020 (Available on Amazon, Flipkart, Kindle)
- Assessment in Learning in year 2022 (Available on Amazon, Flipkart, Kindle)
- Learner and the Learning Process in the year 2024 (Available on Amazon, Flipkart, IIP)

Book Editor

- Book Editor for "Tech Horizons: Bridging Disciplines in the Era of Emerging Technologies," IIP Publication, August 2024 (available in Amazon, IIP, etc.)

Book Proposals

- Microplastics in Environment: From Degradation Processes to Solutions, with NOVA and Springer, agreement date: July 30, 2025.

Reviewer

S.No.	Reviewer on Journals
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1	Active IJRAR RMS (Reviewer) Member (Member ID: 119055, Member Since February 13, 2024) of the esteemed International Journal of Research and Analytical Reviews (IJRAR).
2	Reviewed for the International Journal of Research and Innovation in Applied Science (IJRIAS) ISSN: 2454-6194.
3	Reviewed the Environmental Science and Pollution Research, published by Springer Nature 2024.
4	Reviewer for the journal East African Scholars Journal of Biotechnology and Genetics.
5	Reviewer of the book chapter for BP International Publishers.
6	Reviewer for the book proposal Digital Twins for Smarter Diagnosis: Bridging Technology and Healthcare.
7	Reviewer at Web of Science, 2024.
8	As a potential reviewer, reviewed a new eBook proposal for Bentham Science Publisher on August 13, 2024, and August 17, 2024.
9	Reviewer of the Journal of Scientific Research and Reports as of 08.10.2024, indexed in Web of Science.
10	Appointed as a Reviewer for the "Journal of Pharmaceutical and Biological Sciences," on 08.11.2024.
11	Reviewer at Web of Science Clarivate 2024.
12	Reviewer of The Plant Journal, Wiley publication 2024.
13	Reviewer at IJRIAS.
14	Reviewer of the Archives of Stem Cell and Therapy.
15	Reviewer of the Journal of BioMed.
16	Reviewer of the Journal of Pharmaceutical and Biological Sciences.
17	Reviewer of Journal of Pharmaceutical and Biological Sciences (Reviewer Certificate No. JPBS-14445-2025) on January 20, 2025.

18	Reviewer of the conference IEEE Conference, 2024 and 2025.
19	Reviewer for the Agricultural Research Communication Centre (ARCC) journal, indexed, 2025.
20	Reviewer for the Journal of Global Humanities and Social Sciences, BONI FUTURE DIGITAL PUBLISHING CO., LIMITED.
21	Reviewer for the MDPI Journals.
22	Member of Referral/Review Management System of the Esteemed JOURNAL OF EMERGING TRENDS AND NOVEL RESEARCH (ISSN: 2984-9276), Member ID: 111972. Approved journal and with Impact Factor 7.95.
23	Reviewer for the Journal of Scientific Research and Reports, WoS indexed.
24	Reviewer for the Journal <i>Archives of Advanced Engineering Science</i> .
25	Reviewer for the Journal International Journal of Agricultural and Environmental Information Systems (IJAEIS), indexed.
26	Reviewer, 5th International Conference on Electrical, Computer and Energy Technologies (ICECET), Paris, France, July 3-6, 2025.
27	Reviewer for the RSIS International Journals, live profile.
28	Reviewer for the Magnus Journal Magnus Med Club Ltd, USA.
29	Reviewer of Educational Resurgence Journal Official Publication of Dr. D.Y. Patil Unitech Society's Dr. D. Y. Patil College of Education Pimpri, Pune-411 018(Maharashtra) India Accredited with 'B' Grade by NAAC with IF: 6.62, live profile.
30	Reviewer for the Special Issue on "Innovation, Sustainability, and Access," International Journal of Pharmaceutical and Healthcare Innovations, Shriram Swaroop Memorial University, Lucknow, India, February 25, 2025.
31	Reviewer, 3 rd International Conference on Artificial Intelligence, Machine Learning and Cybersecurity (ICAMC-2025).
32	Reviewer for the Journal Asia Pacific Journal of Chemical Engineering, Wiley (indexed).
33	Reviewer for the Journal Obese Journal, Magnus Med Club Ltd, USA.

34	Reviewer for the Journal Dental Journal, Magnus Med Club Ltd, USA.
35	Reviewer for the Journal Dermis Journal, Magnus Med Club Ltd, USA.
36	Reviewer for the Journal Material Science Journal (Material Science), Magnus Med Club Ltd, USA.
37	Reviewer for the Journal of Artificial Intelligence for Medical Sciences.
38	Reviewer, 2 nd International Conference on Artificial Intelligence, Computer, Data Sciences and Applications (ACDSA) which will take place in Antalya, TURKIYE on 07-09 August 2025.
39	Served as a reviewer for the 3rd IEEE International Conference on Knowledge Engineering and Communication Systems at SJC Institute of Technology, in association with IEEE Bangalore Section, April 28-29, 2025.
40	Served as a reviewer for the African Journal of Medicine and Pharma Research, 23/04/2025.
41	Served as a member of the Technical Program Committee for the International Conference on Emerging Applications of Artificial Intelligence, Machine Learning, and Cybersecurity (ICAMC - 2025) organized by HMR Institute of Technology and Management, New Delhi, India (1-2 May 2025).
42	Reviewer for the journal, holding a Peer Review Certificate from Reviewer Credits (indexed).
43	Reviewer for the journal IJIRT, with an impact factor of 8.01.
44	Reviewer for the Journal of Applied Social Science, indexed in Clarivate Analytics.
45	Reviewer for the Journal Kelvin Open Science Publishers, live profile.
46	Reviewer for the Journal Trends in Telemedicine & E-health.
47	Reviewer for the 5 th International Conference on Electrical, Computer and Energy Technologies (ICECET) which will take place in Rome, ITALY on 06-09 July 2026.
48	Reviewer for the Journal Determinations in Nanomedicine & Nanotechnology (DNN), Crimson Publishers, Impact Factor : ISI: 1.788 (2023-24).
49	Reviewer for the Journal Environmental Science: Water Research Technology, Indexed in: Scopus, Web of Science: Science Citation Index Expanded (SCIE), journal Impact Factor- 3.2 (2024).

Lifetime Memberships

<i>S.No.</i>	<i>Membership</i>
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1	Lifetime Membership in the Indian Science Congress Association.
2	Microbiologists Society, India (MBSI), now a member of the International Union of Microbiological Societies.
3	Membership in the American Society for Microbiology (ASM).
4	Lifetime Membership in the International Organization of Academic and Scientific Development (IOASD).
5	Member of Global Forum for Sustainable Rural Development (GFSRD), an organization uniting global efforts to improve rural lives, and ISO 9001:2015 certified (Certificate Registration No.: 10000778 QM15) on September 28, 2024.
6	Active member of The Institute for Educational Research and Publication (IFERP) from December 17, 2024.
7	Member of the International Parkinson and Movement Disorder Society (Member ID: 133536), December 18, 2024.
8	Lifetime member of the Science-i, membership id: <i>mp-txn-6656df681bf28</i> , active from May 29, 2024.
9	Member of the European Society of Radiology as an Associate member, (Member ID: 156052), February 03, 2025.
10	Member of Project Green Schools, 2025.
11	Member of The Technology, Pedagogy and Education Association (TPEA), 2025.
12	Associate member of International Society for Development and Sustainability (ISDS), 2025.
13	Mentorship in IFERP, 2025.
14	Nominated as International Teachers Associations (ITA) Project Manager, 2025

15	Member of the Global Harmonization Initiative team, 2025.
16	Member of the Asian Council of Science Editors. 2025.
17	Member of the International Society for Development and Sustainability (ISDS), 2025.
18	Member of the Asian Council of Science Editors (ACSE), 2025.
19	Member of the Journal Acta Science Microbiology (AS Microbiology) with IF: 1.4.
20	Member of the Journal Live DNA (Science Alert).
21	Editorial member of Journal of Regenerative Medicine & Biology Research.
22	Editorial member, of the International journal of Pharmaceutical and Healthcare innovation (IJPHI), live profile.
23	Editorial Board Member, The Rubrics e-Journal of Interdisciplinary Studies, Magnus Publishing, Pune, Maharashtra, India.
24	Editorial in chief of Kelvin Open Science Publishers Biotechnology and Pharmaceutical Sciences, live profile.
25	Editorial Member of the Journal of Cosmetic Dermatology, Kagaku International Open Access Publishers.
26	Editorial Member of the Journal of Clean Technology for Resource, Energy and Environment, International Open Access Publishers.
27	Editorial Member of the Journal of OA- Gateway Group, open access.
28	Editorial Board Member for the national conference on "Redefining Pharmacy Education Through Research, Technological Innovation & Holistic Stress Management," held on March 20, 2026, at Om Sai Vindhya College of Pharmacy, Mirzapur, Uttar Pradesh, published by IJPHI Global Publisher Pvt. Ltd.

Award

- Received the Rungta Awards for Research Excellence (RARE) for outstanding research contribution on National Technology Day, 11/05/2024 at RCET, Bhilai, Chhattisgarh, India.
- Recognized as the Best Reviewer for 2024 on 10-11th January 2025.

Professional Engagements and Appointments

- Executive Board of Directors: Micro Militia Division of MBSI.
- Associate Director: Strategic Initiative: Creative Division of Microbiologists Society, India
- Strategic HR Manager
- Chairperson: Leadership and Administration
- Ambassador: Microbiologists Society, India (2023)
- General Manager: SproutsEdu (effective 08/02/24)
- Ambassador of Sustainability Initiatives and Environmental Stewardship, Sustainability Ambassadorship Number IND25IACA00014772; 2025.

I certify that all the information mentioned above is true to the best of my knowledge.



PRERNA MEHTA