

Faculty Profile



1. **Name of the faculty** : Dr. Prateek Sharma
2. **Name of the Department** : Department of Botany
3. **Educational qualifications** : M.Sc. M.Phil-Ph.D (Integrated), NET, SET
4. **Present position** : Assistant Professor
5. **Address for correspondence** : Shastri Secondary School, Bagar,
Jhunjhunu, Rajasthan-333023
6. **E-mail and contact number** : Prateek12biotech@gmail.com/7889259962
7. **Specialization** : Biotechnology
8. **Total teaching experience** : 09 years
9. **Courses taught** : Botany, Zoology, Microbiology,
Research Methodology
10. **Research experience** : Supervised 9 Ph.D. research scholars
& 20 M.Sc. students to completion

11. Publication of research papers

Sr. No.	Authors title of the paper	Name of journal	ISSN. No.	Impact factor h-index	National /International
1.	Metformin inhibits human breast carcinoma cells growth by promoting apoptosis via ROS-independent pathway involving mitochondrial dysfunction: Pivotal role of superoxide dismutase (SOD).	Cellular Oncology	2211-3428	5.304	International
2.	S961, a biosynthetic Insulin receptor antagonist, downregulates insulin receptor expression and suppresses growth of breast cancer cells.	Indian Journal of Medical Research	0971-5916	3.4	International
3.	Amino acid functionalized zinc oxide nanostructures for cytotoxicity effect and haemolytic behavior:	Materials & Design	0264-1275	7.9	International

	Theoretical and Experimental studies.				
4.	Identifying the preferred interaction mode of naringin with gold nanoparticles through experimental, DFT and TDDFT techniques: insights into their sensing and biological applications.	RSC Advances	2046-2069	4.6	International
5.	Misconstrued versatility of <i>Ganoderma lucidum</i> : a key player in multi targeted cellular signaling.	Tumor Biology	1010-8793	3.650	International
6.	Chemical Composition and Antiproliferative, Antioxidant, and Proapoptotic Effects of Fruiting Body Extracts of the Lingzhi or Reishi Medicinal Mushroom, <i>Ganoderma lucidum</i> (Agaricomycetes), from India.	International Journal of Medicinal Mushrooms	1521-9437	1.423	International
7.	Screening of <i>Citrullus colocynthis</i> for antioxidant properties.	Journal of Renewable Energy Exchange	2321-1067	-	National
8.	Investigation of <i>in vitro</i> anti-diabetic and anti-inflammatory activity of <i>Citrullus colocynthis</i> whole plant methanolic extract.	Journal of Renewable Energy Exchange	2321-1067	-	National
9.	Utilization of Water Hyacinth for Bioethanol Production	International Journal of Advance and Applied Research	2347-7075	8.141	National
10.	Production and Characterization of	Young Researcher	2277-7911	5.519	National

	Ethanol derived from Enzymatic Hydrolysis of Water Hyacinth Biomass using <i>Saccharomyces Cerevisiae</i>				
11.	A Study on Hepatotoxicity and Nephrotoxicity Induced by Chronic Alcohol Toxicity in Wistar Rats	International Journal Research in Engineering and Applied Sciences	2321-1067	-	National
12.	A study on the Hepatotoxicity and Nephrotoxicity due to Acute Alcohol Toxicity in Wistar Rats	International Journal Research in Engineering and Applied Sciences	2321-1067	-	National

12. Minor research projects completed/Ongoing

Sr. No.	Title of the project	Duration of the Project	Grant received	Funding agency	Completed /Ongoing
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13. Participation in conferences, symposia, seminars and workshops: International, national, state or university level, attended. Presented paper, chaired session. Resource person.

- ❖ Sharma, P. (2024) National Conference on “Recent Trends in Science, Education & Research” Organized by Institute of Science, Shri Jagdishprasad Jhabarmal Tibrewala University, Chudella, Jhunjhunu, Rajasthan, on 28th June, 2024.
- ❖ Sharma, P. (2023) National workshop and training programme on “Empowering Coastal Communities especially the Women through Seaweeds Cultivation and Utilization” organized by Marine Biotechnology Laboratory, Department of Botany, University of Delhi.
- ❖ Sharma, P. (2021) Sensitization workshop on Good Laboratory Practice (GLP) organized by National Good Laboratory Practice Compliance Monitoring Authority (NGCMA), Department of Science and Technology (DST), Government of India, at Shri Jagdishprasad Jhabarmal Tibrewala University, Chudella, Jhunjhunu, Rajasthan.
- ❖ Sharma, P. and Kumar, S. ((2019) International conference on Emerging Challenges, Their Solutions and Recent Advances in Science organized by Government Science College, Sikar, Rajasthan, India. (Oral and Poster Presentation).

- ❖ Sharma, P. (2019) Workshop on Statistical Package for the Social Sciences (SPSS) organized by Shri Jagdishprasad Jhabarmal Tibrewala University, Chudella, Jhunjhunu, Rajasthan.
- ❖ Sharma, P. (2016). National workshop on “Cytokine analysis and phenotyping of B/T cells using Flow cytometer” organized by Centre for Human Genetics and Molecular Medicine, Central University of Punjab, Bathinda in collaboration with BD Biosciences at University Campus, Bathinda.
- ❖ Sharma, P., Gill, B. and Kumar, S. (2015). International symposium on Current Advances in Radiobiology, Stem Cells and Cancer Research organized by School of Life Sciences, Jawahar Lal Nehru University, New Delhi. (Poster Presentation)
- ❖ Sharma, P. (2015). Training programme on Human Rights, organized by Centre for Law, Central University of Punjab, Bathinda association with National Human Rights Commission, New Delhi.
- ❖ Sharma, P. (2015). National seminar on Recent Trends in Food Processing, jointly organized by Indian Institute of Crop Processing Technology (IICPT), Ministry of Food Processing Industries, Government of India and Central University of Punjab, Bathinda.
- ❖ Sharma, P. (2015). National seminar on Recent Trends in Food Processing, jointly organized by Indian Institute of Crop Processing Technology (IICPT), Ministry of Food Processing Industries, Government of India and Central University of Punjab, Bathinda.
- ❖ Sharma, P. and Kumar, S. (2014). National symposium on Recent Trends in Molecular Medicine organized by Centre for Genetic Diseases and Molecular Medicine, Central University of Punjab, Bathinda. (Poster Presentation).
- ❖ Sharma, P. and Kumar, S. (2014). Symposium on Recent Trends in Molecular Medicine organized by Centre for Genetic Diseases and Molecular Medicine, Central University of Punjab, Bathinda. (Poster Presentation).
- ❖ Sharma, P. (2013) Training on BD FACS Orient (BD LSR II) - A course Flow Cytometry Basics at BD-JH FACS Academy, New Delhi.
- ❖ Sharma, P. and Kumar, S. (2012). International conference on Microbial, Plant and Animal Research (ICMPAR 2012) organized by Faculty of Arts, Science and Commerce, Mody Institute of Technology and Science (Deemed University) Lakshargarh, Sikar-332311, Rajasthan, India. (Poster Presentation).
- ❖ Sharma, P. (2012) Course completion at 5th Winter School of Immunology at Jodhpur, Rajasthan.
- ❖ Sharma, P. and Kumar, S. (2011). National seminar on Environment and Health organized by Central University of Punjab, Bathinda. (Poster Presentation).
- ❖ Sharma, P. (2011) 32nd Asia Pacific Advanced Network (APAN) Meeting organized by ERNET India, Ministry of Communications and Information Technology, Government of India at India Habitat Centre, New Delhi.

14. Participation in co-curricular and extra-curricular activities.

- ❖ Won 3rd position in Badminton at Senior Primary School District Level Games, Jhunjhunu, Rajasthan.
- ❖ Worked as NSS Volunteer for 2 years (240 hours).
- ❖ Participated in Quiz contest organized by Indian Science Congress Association (ISCA), Regional Chapter, Jaipur, Rajasthan, on 29th September, 2007.
- ❖ Participated in Painting competition under the theme “Cancer” organized by Central University of Punjab, Bathinda.
- ❖ Participated in Painting competition under the theme “Cancer” organized by Central University of Punjab, Bathinda.
- ❖ Participated in Annual Sports and Athletic Meet of Central University of Punjab, Bathinda and won 1st Prize in Event of Badminton, 3rd prize in event of Discuss Throw.
- ❖ Participated in Hindi Pakhwada competitions of Central University of Punjab, Bathinda and won 1st Prize in Essay writing & Hand writing competition, 2nd prize in quiz competition, and 3rd prize in debate & translation competition.
- ❖ Participated in International Yoga Week organized by Central University of Punjab, Bathinda.

15. Leadership Activities :

- ❖ Performed Administrative responsibilities by serving as Head of Department (HOD) in the department of Bioscience, Department of Biotechnology & Department of Microbiology at Shri Jagdishprasad Jhabarmal Tibrewala University, Chudella, Jhunjhunu, Rajasthan.
- ❖ Served as the Organizing committee member in several committees associated with Sports events/ International/ national seminar organization/ Disciplinary committees.
- ❖ Worked as a member of Shri Jagdishprasad Jhabarmal Tibrewala University NAAC working committee.

16. Contribution to University level :

- ❖ Have worked as an examiner at Jai Narain Vyas University Jodhpur during Session 2017-18.
- ❖ Working as an examiner at Pandit Deendayal Upadhyaya Shekhawati University, Sikar.
- ❖ Examination and evaluation duties assigned by university during the tenure at Shri Jagdishprasad Jhabarmal Tibrewala University, Chudella, Jhunjhunu, Rajasthan.

17. Awards /recognitions received:

- Awarded with **Certificate of Merit (Gold Medal)** for securing first position in Master of Philosophy (M.Phil.) in Biosciences, at Centre for Biosciences, School of Basic and Applied Sciences, Central University of Punjab, Bathinda, Punjab.
- Awarded with **2nd Prize in the contest** organized by Indian Science Congress Association (ISCA), Regional Chapter, Jaipur, Rajasthan.

Dr. Prateek Sharma