

DR. ANKUR BHARDWAJ, FSASS

S/o- Mahavir Prasad Sharma
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ACHIEVEMENTS

1. Presently working as Assistant Professor in Department of Biotechnology & Life Sciences, ShriVaishnav Vidyapeeth Vishwavidyalaya, Indore, Madhya Pradesh.
2. Worked as Assistant Professor for six months in Faculty of Life Sciences, Mandsaur University, Mandsaur, Madhya Pradesh.
3. One-month industrial training on design and formulation of nutraceuticals, Science on Wheels Pvt.Ltd. Goa.
4. Organized three educational/industrial trips for B.Tech., B. Sc., and M.Sc. students.
5. Eight years of teaching and research experience.
6. Editorial Board Member of Journal “Computers in Biology & Medicine”, Elsevier.
7. Member of Scholars Academic and Scientific Society.
8. Young Scientist Award, best oral presentation in National Conference on Frontiers in Environment, Health & Biosciences, CJM University, Kanpur, India 16 to 17th February 2019.
9. Young Scientist Award, best oral presentation in International Conference on Science Technology & Social Humanities (ICSTSH-2018), Dr. B.R Ambedkar University, Agra, India 26-28th February 2018.
10. Young Scientist Award, best oral presentation in International Conference on Innovative Strategies for Sustainable Water Management (ISSWM-2017), Lovely Professional University, Punjab, India 17 to 18th September 2017.

11. Organizing Committee Member in National conference on “Bio-resources-as a key to value added products”, 29-30th April 2016, Department of Biotechnology & Life Sciences, Mangalayatan University.
12. Organizing Committee Member in National Workshop on “Good Laboratory Practices”, 11-12th May 2015, Department of Biotechnology & Life Sciences, Mangalayatan University.
13. Appreciation of Volunteer in “98th Indian Science Congress-2011” SRM University, Chennai, Tamil Nadu, India, 3 – 7th January 2011.

EXPERIENCE

1. Worked as a JRF in a DBT project at Indian Institute of Pulses Research (IIPR), Kanpur 02 Aug. 2013 to 30 Apr. 2014.
2. Worked as Teaching Assistant in Dept. of Biotechnology and Life Sciences, Mangalayatan University, Aligarh 14 Aug 2014 to 27 Mar 2017.
3. Worked as Lecturer in Dept. of Biotechnology and Life Sciences, Mangalayatan University, Aligarh 28 Mar 2017 to 12 Jan 2018.
4. Working on one project for submission in DST-SERB.
5. A Patent filed regarding arsenic contaminated water filtration system.

PH.D. TOPIC

Isolation and Identification of Arsenic Transforming Bacteria and Study of Groundwater Quality in the Mining Regions of Madhya Pradesh and Jharkhand, India.

ACADEMIC QUALIFICATION

1. Ph.D. (With Course Work) Mangalayatan University (Oct. 2016 – Jul. 2021)
2. M. Sc. (Biotechnology) SRM University, Kattankulathur, Chennai (2009-2011) with 82.7%
3. B.Sc. [Hons] Biotechnology Allahabad Agricultural Institute-Deemed University (2005-2009) 87%
4. XIIth C.B.S.E Board (2003-2004) with 55.2%
5. Xth C.B.S.E Board (2001-2002) with 69%

BOOK CHAPTER PUBLICATIONS

Chapter Title	Book Name	Publisher	Status
Molecular Markers: Emerging Strategy for Crop Improvement	Recent Advances In Crop Improvement: New Approaches & Modern Practices	CRC Press	Accepted
Application of Nanotechnology for Sustainable Development of Agriculture	Recent Advances In Crop Improvement: New Approaches & Modern Practices	CRC Press	Accepted
Application Of Genome Editing In Modern Crop Technology	Recent Advances In Crop Improvement: New Approaches & Modern Practices	CRC Press	Accepted
Biosensors in Health care	Allied Health Science in India – A present Scenario	White Falcon Publishing	Published

PAPER PRESENTATION (NATIONAL)

Topic	Venue & Date
National Conference on Frontiers in Environment, Health & Biosciences	Chhatrapati Shahu Ji Maharaj University, Kanpur, UP, India (16 & 17 th February 2019)
Role of Biotechnology in sustainable Agriculture & Rural Development	RBS College, Agra, India (04 & 05 th March 2017)
Bio-resources-as a key to value added products	Department of Biotechnology & Life Sciences, Mangalayatan University (29 - 30 th April 2016)
UGC National Seminar on Recent Trends in Plant Science Research – 2010	Annamalai University, Tamil Nādu, India (18 – 20 st February 2010)

PAPER PRESENTATION (INTERNATIONAL)

Topic	Venue & Date
International Conference on NanoBioMat, 2023	University POLITEHNICA of Bucharest, Romania, 28 to 30 June 2023
International Conference on Science, Technology & Social Humanities (ICSTSH-2018)	Dr. B.R Ambedkar University, Agra, India, 26 to 28 th February 2018.
Innovative Strategies for Sustainable Water Management (ISSWM-2017)	Lovely Professional University, Punjab, India, 17 & 18 th September 2017.

Students Mentorship

S.No.	Program	Student Name	Topic
1.	B.Sc. Biotechnology	Bharti Chouhan and Kanishka Malviya	Antimicrobial activity of Clove extract and their effectivity
		Rakshita Panday and Nisha Solanki	Investigation of antimicrobial property of <i>Ross rubiginosa</i> on the isolated bacteria from agricultural field
		Sachin Goswami and Sakshi Singh	Investigation of antimicrobial property of <i>Parawinkle</i> on the isolated bacteria from agricultural field
2.	M.Sc. Biotechnology	Aditi Upadhyay	Development and production of <i>Dicloveron Plus</i> Tablet
		Shivani Khode	Development and production <i>Hydrocortisone acetate</i> Cream
3.	Ph.D.	Ishu Priya	Management of citrus greening disease by disruption of multitrophic host vector pathogen interaction by <i>Tinospora cordifolia</i> .

TRAININGS

1. One-month (Basics Techniques used in pathology laboratory) Motilal Nehru Medical College Allahabad.
2. One-month (Techniques in Molecular Biotechnology) National Institute of Leprosy & Other Microbial Diseases (JALMA) Agra.
3. One-month (Quality Control) Parag Dairy Bamrauli, Allahabad.
4. One-month (Bioinformatics) Clonengen biotechnology, Noida.

PROJECTS (6 months)

1. In-vitro Micro-propagation in *Bambusa balcooa Roxb.*, Allahabad Agricultural Institute (IARI-PTC Lab.)
2. Optimization of ISSR-PCR reaction and primer selection for characterization of genetic diversity among Indian *Sponge gourd.*, National Buearu of Plant Genetic Resources, IARI, New Delhi.

WORKSHOPS

1. National workshop on Instrumentation in Biotechnology 22 – 24 January 2019, RBS College, Agra, Uttar Pradesh.
2. National Level Workshop on “Application of Perl Scripting and Bioinformatics Tools and Techniques for Biological Databases” 4 – 6, October 2010, Karpaga Vinayaga College of Engineering, Tamil Nadu.
3. National Workshop on “Advance Bioinformatics Drug Discovery & Clinical Research” 25 – 26, September, 2010, Aravinda Biosolutions, Hyderabad.
4. UGC National workshop on “Recent Trends in Plant Science Research” 18 – 20 February, 2010, Dept. of Botany, Annamalai University, Tamil Nadu.

EXTRA CURRICULAR ACTIVITIES

1. Participated in “98th Indian Science Congress 2011” ISC-SRM University, Chennai, Tamil Nadu, India, 3 – 7th January 2011.
2. Participated in “The National Level Conference on Innovations in Biotechnology – 2010” SBTI-SRM University, Chennai, Tamil Nadu, India, 7 – 8th October 2010.
3. Participated in online workshop organized by Biodiscovery group on Drug discovery and design on 17th April 2020.
4. Participated in ‘Online webinar – Host Hijacking – The Science of Coronavirus, organized by Manipal University Jaipur, on 8th May 2020.

REFERENCES

1. Dr. Gajendra B. Singh

Associate Professor

University Institute of Biotechnology Chandigarh University

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2. Prof. (Dr.) Rakesh Kumar Sharma

Director Research

Institute of Biomedical Education and Research Mangalayatan University

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3. Dr. Mohit Kamthania

Associate Professor

Department of Biotechnology School of Sciences

SAGE University, Bhopal Madhya Pradesh – 462022

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4. Dr. Mohd. Irfan Ali

Head & Associate Professor

Faculty of Life Sciences,

Mandsaur University, Mandsaur

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DECLARATION

I hereby declare the above written particulars are true to the best of my knowledge and belief.

Ankur Bhardwaj

M.Sc., Ph.D.

Details of Publications

S.No	Title of Paper	Name of Journal	Page No.	ISSN No.	Volume	Month/Year
1	In-vitro Studies on Mass Propagation of <i>Bambusa Balcooa Roxb.</i>	International Journal of Multidisciplinary Sciences	12 – 16	2581-8176	1	2018
2	Microbial Fuel Cell: An Efficient Method to Utilize Prokaryotic Potential to Engender Reliable Energy	Journal of Microbial & Biochemical Technology	69 – 75	1948 -5948	10	2018
3	Isolation and Identification of Arsenite Oxidizing Bacillus sp. 3AB3 from Arsenic Contaminated Groundwater of Jharkhand	International Journal of Information and Computing Science	145 – 149	0972 - 1347	5	2018
4	Optimization of ISSR primers and analyze the genetic variability among different varieties and landrace collections of Indian Sponge gourd (<i>Luffa cylindrica L.</i>)	Plant Physiology Reports	296 – 304	2662 - 2548	24	2019
5	Isolation, identification and genetic characterization of AB3 bacterial sp. from mining regions Jharkhand metabolizing chromium, lead and arsenic.	Science, Technology and Development Journal	156 - 167	0950 - 0707	9	2018
6	Identification and characterization of arsenic transforming <i>Bacillus</i> species from abandoned mining regions of Madhya Pradesh and Jharkhand.	Journal of Pure and Applied Microbiology	175 – 185	0973 - 7510	15	2020
7	<i>In silico</i> multi subunit vaccine design referring spike glycoprotein of SARS–CoV–2 (COVID–19): The World Pandemic.	Indian Journal of Pharmaceutical Sciences	21 – 31	1998-3743	83	2021
8	Contagious progression and distribution of arsenic in India: a key towards bioremediation	Nature Environment and Pollution Technology	759 – 769	2395-3454	20	2021
9	Understanding the diversified microbial operon framework coupled to arsenic transformation and expulsion	Biologia Journal	1 - 14	1336-9563	24	2022
10	Chitinase – Phylogenetic analysis, Mechanism, Cloning and Applications	Biocatalysis and Biotransformation Journal	-	1336-9563	-	Accepted

BIOGRAPHY

Dr. Bhardwaj is presently working as Assistant Professor in Department of Biotechnology, Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore, Madhya Pradesh. He has obtained his Ph.D. in Microbiology and Molecular Biology from Mangalayatan University in July 2021. Dr. Bhardwaj has also received 3 young scientist awards during his Ph.D. tenure. Dr. Bhardwaj has 10 years of teaching and research experience and actively involved in teaching and skill related activities of B.Tech., B. Sc., and M.Sc. students respectively. He has published 10 research papers in peer reviewed journal of national and international repute. Dr. Bhardwaj is also engaged in the Editorial Board Member of Journal “Computers in Biology & Medicine”, Elsevier and is a lifetime member of Scholars Academic and Scientific Society, India.