



## Faculty Profile on University Website

www.mjpru.ac.in

Title	Dr.	First Name	Ritika	Last Name	Misra	Photograph
Designation	Assistant Professor					
Department	Botany					
Address (Campus)	Constituent Government College, Bhadpura, Nawabganj, Bareilly					
Address (Residence)	W/O Mr Sandeep Kumar Sharma 211/40 Prem Nagar Line Par, Vishnupuri Lane 3, Izzatnagar Bareilly-243122					
Phone No (Campus)						
Phone No (Residence)	+91-9457467006					
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Fax						
Email	ritikamisra2011@gmail.com ritikamisra@mjpru.ac.in					
Orcid Id	<a href="https://orcid.org/0009-0002-6260-4953">https://orcid.org/0009-0002-6260-4953</a>					
Linkedin Id	<a href="https://www.linkedin.com/in/dr-ritika-misra-ba2a37296/v">https://www.linkedin.com/in/dr-ritika-misra-ba2a37296/v</a>					
Research Gate Id	<a href="https://www.researchgate.net/profile/Ritika-Misra-2">https://www.researchgate.net/profile/Ritika-Misra-2</a>					
Web-Page						
Educational Qualifications (Graduation Onwards)						
Course/Degree		Year	Details/Thesis Topic/Subjects			
Ph.D	M.J.P Rohilkhand University	2010	Plant Science/Botany			
M.Sc	M.J.P Rohilkhand University	1999	Plant Science/Botany			
B.Sc	Bareilly College Bareilly	1997	Zoology, Botany and Chemistry			
B.Ed	Bankey Bihari Kanya Mahavidyalaya, Ujhani	2012	Science stream			
Career Profile						
Organization / Institution	Designation	Duration	Role			
Gangasheel Mahavidyalaya, Nawabganj, Bareilly	Assistant Professor	2015-2016	Teaching and other activities			
Maharaja Agresen Mahavidyalaya, Bareilly	Assistant Professor	2016-2022	Teaching and other activities			
Constituent Government College, Bhadpura, Nawabganj, Bareilly	Assistant Professor	2022 to be continued	Teaching and other activities			

Research Interests / Specialization

**Ph.D Thesis**

**Research Topic- Regulation of nitrate reductase activity in Poplar leaves by some plant hormones.**

Teaching Experience (Subjects/Courses Taught)

S. No	College Name	Years	Course taught in B.Sc.	Course taught in M.Sc.
1	Gangasheel Mahavidyalaya Nawabganj Bareilly	2015	<ul style="list-style-type: none"> <li>Diversity of Viruses, Bacteria and Fungi.</li> <li>Diversity of Algae, Lichens and Bryophytes.</li> <li>Diversity of Pteridophytes, Gymnosperms and Palaeobotany.</li> <li>Diversity of Angiosperms, Systematics, Development &amp; Reproduction.</li> <li>Cytology, Genetics, Evolution &amp; Ecology.</li> <li>Plant Physiology and Biochemistry.</li> <li>Plant Resource Utilisation, Palynology and Biostatistics.</li> <li>Molecular Biology and Biotechnology.</li> <li>Environment Botany and Plant Pathology.</li> </ul>	<ul style="list-style-type: none"> <li>Phycology and Microbiology.</li> <li>Mycology and Plant Pathology.</li> <li>Bryophytes, Pteridophytes and Gymnosperms.</li> <li>Ecology and Soil Science.</li> <li>Biochemistry and Photobiology.</li> </ul>
2	Maharaja Agrasen Mahavidyalaya, Bareilly	2016-2022		
3	Constituent Government College Bhadpura, Nawabganj, Bareilly	2022 to till date		

**Honors & Awards**

Publications /Academic Activities (numbers Only)

Books & Monographs (Single Author)	Research Papers Published in International Journals	4	Papers Presented in Seminars/ Conferences	5	Seminars/ Conferences Organized	Research Projects (Completed)
Books (Co-authored)	Research Papers Published in Other Journals	4	Seminar/ Conferences Attended	8	Workshops Organized	Research Projects (Ongoing)
Books (Edited)	Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.		Sessions Chaired in Seminars/ Conferences		Membership of Academic/ Professional Bodies	1 Foreign Countries Visited for Academic Assignments
Chapters in Edited Books			Resource Lectures Delivered			

Details of Publications /Academic Activities (2010 Onwards)

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<b>(a) Books / Monographs</b>				
<b>Year of Publication</b>	<b>Title</b>	<b>Publisher</b>	<b>ISBN</b>	<b>Co-Author (s) (if any)</b>
	.			
<b>b) Papers Published in Indexed/ Peer Reviewed Journals</b>				
<b>Year of Publication</b>	<b>Title</b>	<b>Journal</b>	<b>ISSN/ Indexing</b>	<b>Co-Author (s) (if any)</b>
2012	Regulation of nitrate reductase activity by abscisic acid in poplar( <i>Populus Deltoids</i> ) leaves.	Vegetos-An international journal of Plant Research	0970 – 4078(ISSN)	2
2015	Effect of foliar application of boron on growth, yield, chlorophyll ,amylase and nitrate reductase activity in Rice .	Oryza-An international journal of Rice	0474 – 7615(ISSN)	3
2017	Stress induced alteration in the antioxidant activity of in vitro adventitious roots of <i>Withania somnifera</i> (genotype jawahar 20) .	Vegetos-An international journal of Plant Research	0970 – 4078(ISSN)	4
2017	Regulation of nitrate reductase activity in poplar ( <i>Populus deltoids</i> ) leaves by benzyladenine with calcium, EGTA (calcium chelator) and LaCl <sub>3</sub> (calcium channel blocker).	The Bioscan-An international journal of Life Science	0973– 7049(ISSN)	1
2022	Silicon application stimulated rice growth and physiological responses in normal and water-stressed conditions.	The Pharma innovation	2349 – 8242(ISSN)	4
2023	Integrative impacts of salicylic acid and water deficit stress on physiological processes of medicinal herb <i>Bacopa monnieri</i> (L).	Plant Physiology Reports	2662-2548	4
2023	Augumented effects of silicon solubilizer on biochemical analysis of rice grains under normal and water stress conditions	Journal of Plant Nutrition	1532-4087	4
2022	Efficiency of salicylic acid to enhance the growth attributes of <i>Bacopa monnieri</i> (L.) under water deficit conditions.	The Pharma innovation	2349 – 8242(ISSN)	4
<b>(c) Artices</b>				

(d) Seminar/Conference Presentations

1. **Misra, R.** and Garg, S.K. (2007). Effect of Benzyladenine on nitrate assimilation in poplar leaves. *New strides in Microbiology, Biochemistry, Biotechnology and Agriculture Science, Doon(PG).Feb. 3-4, Paramedical College Dehradun Uttarakhand*
2. **Misra, R.**, Gangwar, S., Gautam, I.K. and Garg, S.K. (2007). Response of growth regulator Abscisic acid on nitrate assimilation in poplar leaves. *XXX Conference of Indian Botanical Society, Nov. 28-30, Jiwaji University , Gwalior. pp 194.*
3. **Misra, R.** and Garg, S.K. (2008). Effect of growth regulators on nitrate assimilation in poplar leaves. *Rashtriya Vikas Ki 21vi Sadi Mein Jaiv Prodyogiki Ki Bhoomika, March 15-16, Sardar Vallabh Bhai Patel University of Agriculture and Technology, Merrut. pp.112.*
4. Gangwar, S., **Misra, R.**, Gautam, I.K., Garg, S.K. and Maurya, J.N. (2007). Effect of chromium heavy metal on growth and GDH activity of *Pisum sativum*. *XXX Conference of Indian Botanical Society , Nov. 28-30, Jiwaji University, Gwalior. pp.185-186.*
5. Gautam, I.K., **Misra, R.**, Gangwar, S., and Garg, S.K. (2008). Modulation of nitrate reductase activity by putrescine in root, shoot and leaves of barley. *International Seminar on Medicinal Plants and Herbal Products, March 7-9 , Sri Venkateswara university, Tirupati. pp.149*
6. Gangwar, S., **Misra, R.**, Gautam, I.K., Garg, S.K. and Maurya, J.N. (2008). Impact of chromium and manganese heavy metal on the growth of pea seedling. *International Seminar on Medicinal Plants and Herbal Products, March 7 -9 , Sri Venkateswara University, Tirupati. pp.124*

7. **Misra, R** and Garg, S. K(2010). Effect of calcium chelator egta with bap on nitrate assimilation in poplar leaves. *National seminar on management of Environmental Pollutions for sustainable energy production, April 10-11, Department of Plant Science, MJP Rohilkhand University, Bareilly.* pp- 54
8. **Misra, R.**(2016). Progress and role of women education in India. *National seminar, New education policy : vision and aspiration. Virangna Awantibai Government Girls Degree college, Bareilly* pp17.
9. **Misra, R** and Garg, S. K(2016). Regulation of nitrate reductase activity in poplar (*Populus deltoids*) leaves by benzyladenine with calcium, EGTA (calcium chelator) and  $\text{LaCl}_3$  (calcium channel blocker).*XXXIX All India conference of the Indian Botanical society and recent challenges in Botany, October 21-23, Ranchi University , Ranci.* pp-315
- 10 **Misra,R.,** Sinhal.V.K. , Kumar J. and Bi,N (2021).Effect of abscisic acid in combination with EGTA and  $\text{LaCl}_3$  on nitrate reductase activity in *Populus deltoids*.*National seminar on recents developments in science and technology. December 11 , Utkarsh School of management and technology, Bareilly* pp- 27
11. Sinhal.V.K., Bi,N., **Misra,R.,**(2021) Heavy metals zinc and lead induced genetic variations in *Vigna mungo*. *Natioanl seminar on recents developments in science and technology. December 11 Utkarsh School of management and technology, Bareilly* pp- 81
12. **Misra,R.,** Sinhal.V.K., and Garg , S. K.(2022) Influence of Ca , EGTA and  $\text{LaCl}_3$  with ABA on nitrate reductase activity in *Maize* leaves. *National seminar on role of sustainable technologies for future sciences. February 28 to 01 March.S.S college, mumukshu ashram Shahjanpur.ashram Shahjanpur.*

**13. Sinhal.V.K., Misra,R. and Srivastava A.(2022) Cytotoxic Effect of Zn Nanoparticles on *Vigna mungo*. . National seminar on role of sustainable technologies for future sciences. February 28 to 01 March.S.S college, mumukshu ashram Shahjanpur.**

(e)  
Resource Lectures Delivered - NA

(f) Seminars/Conferences/Workshops Organized - NA

(g) Public Service / University Service / Consulting Activity -

- **Member of Admission committee in Maharaja Agresen Mahavidhyalaya,Bareilly,2016-2022**
- **Member of Discipline committee in Maharaja Agresen Mahavidhyalaya,Bareilly, 2016-2022**
- **Member of Cultural committee in Maharaja Agrasen Mahavidhyalaya,Bareilly, 2016-2022**
- **Member of Environmental Awareness committee in Maharaja Agrasen Mahavidhyalaya, Bareilly, 2016-2022.**
- **Member of Mushroom committee in Maharaja Agrasen Mahavidhyalaya, Bareilly, 2016-2022.**
- **Member of IQAC committee in Maharaja Agrasen Mahavidhyalaya, Bareilly, 2016-2022.**
- **Member of Discipline committee Constituent Government College Bhadpura,Nawabganj in 2023.**
- **Member of Cultural committee Constituent Government College Bhadpura,Nawabganj in 2023.**
- **Member of Career counseling committee in Constituent Government College Bhadpura,Nawabganj in 2023.**

(h) Memberships of Academic/Professional Bodies -  
**Sessional membership of The Indian Science Congress Association from 2006-2010.**

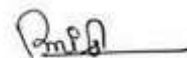
Projects (With Title, Year, Grants, Funding Agency and Collaborations)

NA

Administrative Positions/Assignments Held

- **Member of Admission committee in Maharaja Agresen Mahavidhyalaya,Bareilly,2016-2022**
- **Member of Discipline committee in Maharaja Agresen Mahavidhyalaya,Bareilly, 2016-2022**
- **Member of Cultural committee in Maharaja Agrasen Mahavidhyalaya,Bareilly, 2016-2022**
- **Member of Environmental Awareness committee in Maharaja Agrasen Mahavidhyalaya, Bareilly, 2016-2022.**
- **Member of Mushroom committee in Maharaja Agrasen Mahavidhyalaya, Bareilly, 2016-2022.**
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- **Member of Cultural committee Constituent Government College Bhadpura,Nawabganj in 2023.**
- **Member of Career counseling committee in Constituent Government College Bhadpura,Nawabganj in 2023**

Academic Foreign Visits
NA
Any Other Details
<ul style="list-style-type: none"><li>○ <b>Participated in Regional workshop on NAAC &amp; Quality of higher education in 2016 in Maharaja Agresen Mahavidyalaya Bareilly.</b></li><li>○ <b>Grade A+ certificate on two week refresher course in “Managing online classes &amp; Co-creating MOOCS” by Teaching learning centre Ramanuj College, University of New Delhi in 2023</b></li><li>○ <b>Certificate of Participation in NEP 2020 orientation &amp; sensitization programme under Malaviya Mission Teacher Programme of UGC organized by Iswar saran PG College ,Prayagraj from 19/12/2023 to 29/12/2023.</b></li><li>○ <b>Participation in Mushroom Cultivation training in Department of Plant Science by MJPRU from 6/12/23 to 7/12/23.</b></li></ul>



Dr. Ritika Misra