

RESUME

NAME : **Dr. SEEMA SHALIGRAM BODKHE**
DESIGNATION : Assistant Professor
INSTITUTION : Department of Botany, Institute of Science, Nagpur.
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EMAIL : seemabodkhe73@gmail.com
DATE OF BIRTH : 5TH AUGUST 1973
NATIONALITY : Indian
DOMICILE : Maharashtra state
LANGUAGE KNOWN : English, Hindi, Marathi

TEACHING EXPERIENCE

1. Presently working as Assistant Professor at Institute of Science, Nagpur
2. Worked as Assistant Professor at Institute of Science, Nagpur from 2004-2017
3. Worked as Assistant Professor at Government College of Arts and Science, Aurangabad June 2017 to August 2021
4. Total 17 years of Teaching experience

UG : 13 Years at Institute of Science, Nagpur (2004-2017)

04 Years at Government College of Arts and Science, Aurangabad (2017-2021) .

PG : 13 Years at Institute of Science, Nagpur(2004-2017).

RESEARCH ACTIVITIES

- Awarded Ph.D. in the year 2001 by RTM. Nagpur University.

Title- **“Studies on the subterranean algae of some cultivated fields of Nagpur”.**

RESEARCH PUBLICATION

- **19** Research paper published at various National Journal . [List enclosed]

RESEARCH PAPER PRESENTED

- **8** Research paper presented at various Conferences.

CONFERENCE, SEMINAR AND WORKSHOP ATTENDED

- 45 different National and International Conference and Seminar attended
- 6 Workshop attended

AWARDS AND HONORS

- Stood 2nd Merit in M.Sc. II Botany in Nagpur University, Nagpur.
- Stood 1st Merit in M.Sc. II Botany in Institute of Science, Nagpur.
- Awarded Maharashtra State Research Scholarship for Research.

INVITED LECTURES

- Resource Person at National Seminar on Environmental Ethics and its Conservation 8th Feb 2019 at Chandra Shekhar Azad Govt. PG Nodal College Sehore, Bhopal (MP)
Topic: **Soil Health Management**
- Guest Lecture at S. K. Porwal Kamptee, Nagpur Topic: **Phytoremediation and Sustainable Development**
- Guest Lecture at Kamala Nehru Mahavidyalaya . Topic: **Fertilization for Nursery**
- Guest Lecture at Tayawade College, Koradi, Nagpur Topic: **Biofertilizer**
- Guest Lecture at PGTD, Physical Education Dept, RTMNU, Nagpur
Topic: **Noise Pollution and its Health Effect**
- Resource Person at Refresher course in Physical Education, HRDC, RTMNU, Nagpur 19.07.2021 Topic: **Quality Enhancement in Physical Education**
- Resource Person at Refresher course in Physical Education, HRDC, RTMNU, Nagpur 27.08.2020 Topic: **“Role of Physical Education Department In NAAC”**
- Resource person at National Webinar organized by Vasantrao Naik Mahavidyalaya, Aurangabad on 30th April 2020. Topic: **“Role of Projects, Publications and Add- On Courses in enhancing Institutional Quality ”**
- Invited Lecture **“From Nirmalya to Nirmal Environment”** Pre-Conference Workshop to Sensitize Community on International Conference “Integrated Solid Waste Management Practices in Developing Countries” NEERI, WTERI, Govt. Institute of Science, Nagpur and Govt. Institute of Forensic Science, Nagpur

POSITION HELD

- **Coordinator** for Science Festival held Online on 22nd- 27th Feb. 2022 organised by Institute of Science, Nagpur and Pratibha Shakti.
- **Member of IQAC** from 2017-2021 at Government College of Arts and Science, Aurangabad.
- **Member of Organising Committee** One day Online National seminar on “Fostering Teaching learning practices for quality enhancement in HEI’s” 5th July 2021, organized by IQAC, Government College of Arts and Science, Aurangabad.
- **Member of Organising Committee** of Webinar On "Assessment and Accreditation: A revised accreditation framework for affiliated colleges" 21st May 2020 to 23rd May 2020 organized by Government College Of Arts & Science, Aurangabad in association with IQAC Cluster India

- **Member of Editorial Board** for Edited book “Diet Concept: Past Present Future” Ed. Bharti Katekhaye) Kapshilkar Publication, Nagpur
- **Convener** of One day State Level Workshop on “Intellectual Property Rights” 7th Sep 2018 IQAC , Government College of Arts and Science Aurangabad
- **Organizer** one day workshop On “Medicinal Plants: Cultivation practices and uses” in collaboration with Ayurvan Foundation at AuroPark , Katlabodi Nagpur for B.Sc VI sem and M.Sc II and IV Sem students
- **Member of Organizing Committee** for Interdisciplinary National Conference on “Application of Science and Social Science in Sports” organized by RTMNU, Nagpur and VNGIASS, Nagpur
- **Joint Secretary** at One day Symposium “Biodiversity of Past” in department on 21st January 2016 Institute of Science, Nagpur
- **Member of Executive Committee** for 13th National Conference on Aerobiology at Institute of Science, Nagpur. 31st Jan to 2nd Feb 2005
- Editing of Souvenir and Abstract Book for 13th National Conference on Aerobiology at Institute of Science, Nagpur. 31st Jan to 2nd Feb 2005
- **Member of Executive Committee** for National Conference on “Recent Trends in Biosciences” NCRTB-2009, Jan 20th-21st, 2009 at Institute of Science, Nagpur.
- **Member of Editorial Board** for Souvenir and Abstract Book of National Conference on “Recent Trends in Biosciences” NCRTB-2009, Jan 20th-21st, 2009 at Institute of Science, Nagpur.
- **Member of Criterion-V Committee** for NAAC 2012, Institute of Science, Nagpur
- **Member of Organizing committee** of the National Workshop on “Innovative Practices for Quality Improvement “ at Institute of Science , Nagpur held on 15th to 22nd Dec. 2012

EDUCATIONAL QUALIFICATION

Examination	Year of Passing	Board/University	% of Marks Obtained	Division	Remarks, if any
SSC	1989	Mah. Board	77.14%	I	
HSSC	1991	Mah. Board	64.00%	I	
B. Sc.	1994	RTMNU, Nagpur	63.5	I	
M. Sc	1996	RTMNU, Nagpur	68.8%	I	II nd Uni. Topper RTMNU
Ph.D.	2001	RTMNU, Nagpur			Awarded
MSCIT	2003	Mah. Board Edu.	68%	I	

RESEARCH PUBLICATIONS

Publication in International & National Scientific Journals					
<u>S. No.</u>	<u>Author</u>	<u>Paper Title</u>	<u>Journal Name</u>	<u>Volume (Issue) :</u>	<u>National / International</u>

				Year	
1.	J.L. Tarar and Seema Bodkhe.	Diatom flora of polluted water bodies of Nagpur	Phykos	37 (1&2) pp 77-86, 1998	International
2.	J.L. Tarar and Seema Bodkhe.	Contribution to the knowledge of desmids from Nagpur.	Phykos	37 (1&2) pp 59-67, 1998	International
3.	J.L. Tarar and Seema Bodkhe.	Studies on Chlorococcales of Nagpur”.	Phykos	. 37 (1&2) pp 107-114, 1998.	International
4.	J.L. Tarar and Seema Bodkhe and Vaishali Charjan.	Ecological studies on freshwater and polluted water euglenoids of Nagpur”	International Journal Mendel	Vol. 15 (3-4)pp127-128. 1998	International
5.	J.L. Tarar and Seema Bodkhe	Comparative account on the desmids present in freshwater and polluted water bodies of Nagpur”.	. International Journal Mendel	Vol. 16 (1-2)pp1-2. 1999	International
6.	J.L. Tarar and Seema Bodkhe.	Response of Endosulphan on some Cyanobacterial species”.	The Botanique	12 (1) pp46-50. 2003	International
7.	Seema Bodkhe and J.L. Tarar	Qualitative Evaluation of Microalgae in Soyabean (Glycine max (L)Marril) Rhizosphere”.	The Botanique	13 (1) pp94-97. 2009	International
8.	M.A.Mardikar and S.S. Bodkhe	A study on the physico-chemical parameters of the Nag River and its Reuse for playground and Landscaping”.	Vidarbha Journal of Science	Vol. 8, No.1-2 , pp. 27-34. 2013	National
9.	Seema Bodkhe	Biodiversity of algae in groundnut fields of Nagpur.	International Journal of Researches in Biosciences,	Special Issue-(6), October 2015. Pp 86-89	International

			Agriculture & Technology IJBAT,		
10.	Seema Bodkhe	Biodiversity of aeroalgae in the cultivated fields of Nagpur.	International Journal of Life Sciences	Special Issue A6; Feb 2016 pp. 105-107. 2016	International
11.	Seema Bodkhe	Differential Effect of Endosulfan and Lasso on Growth and Nitrogen Fixation of Two Species of Nostoc.	International Journal of Researches in Biosciences, Agriculture & Technology	Special Issue I, pp170-176 March 2015	International
12.	M.P. Meshram, K.J. Cherian, S.S. Bodkhe	Studies on the Physico-chemical Status of Two Water Bodies at Nagpur City Under Anthropogenic Influences	International Journal of Researches in Biosciences, Agriculture and Technology	Sept 2014 Vol.II Issue. 3	International
13.	Seema S. Bodkhe and J.L. Tarar	Impact of herbicide Glyphosate on metabolic activities of Cyanobacterial species	Phykos	46 (1): 1-6 (2016)	International
Total Publication					<u>13</u>

Research paper presented in Conference and Seminar

S. No.	Paper Title	Conference Name/ Sponsored by/Organized by	Year	National / International
1.	Effect of Glyphosate on some Cyanobacteria.	National Conference on "Recent Advance in Botany" on 28 th -29 Jan 2003 at J.M. Patel College Bhandara.	2003	National
2.	Comparative account on freshwater and polluted water Euglenophycean members.	Pro. 86 th Session of the Indian Science Congress Association , Chennai held on 3 rd -7 th Jan 1999. Section IV, Abst No. 92 pp. 69	1999	National
3.	Potential of Cyanobacteria as a Biofertilizer for Soybean	13 th National Conference on Aerobiology, 31 st Jan-2 nd Feb.2005	2005	National

	Glycine max.	at Institute of Science, Nagpur.		
4.	Algal Diversity in cultivated fields of Nagpur.	International Conference on 'Modern Trends in Plant Science with Special Reference to the Role of Biodiversity in Conversation' 17 th -20 th Feb 2005 at Department of Botany, Amravati University, Amravati	2005	International
5.	Spirulina, An alternative medicine.	National Conference on "Emerging Trends in Medicinal Plants and Their Biotechnological Advances" 5 th -6 th Jan 2007. at Dr. Ambedkar College, Nagpur.	2007	National
6.	A Study on the physicochemical parameters of the Nag River and its reuse for playground and landscaping.	National Seminar on "Water Recycle and Reuse- A step towards Sustainability" 16 th March 2013 Government Science College, Gadchiroli (M.S.) India.	2013	National
7.	Seasonal variation of aeroalgae in the cultivated fields of Nagpur.	17 th National Conference of Indian Aerobiological Society Pune "Impact of Airborne Microbes" 13-15 th Dec, 2012 at MAEER's Arts, Commerce & Science College, Pune.	2012	National
8.	An ecofriendly method for reusing waste water for land treatment.	National Seminar on "Biodiversity Conservation A Global Need" J.M. Patel Arts, Commerce & Science College, Bhandara(M.S.) on 26 th Oct. 2013	2013	National

Publication in Proceedings				
S. No.	Paper Title	Journal Name / Conference Name	Volume (Issue) : Year	National / International

1.	Distribution of algal species in crop fields of Nagpur.	National Seminar on “Recent Trends in Life Sciences & Materials Sciences” 14 & 15th March 2016 Rashtrapita Mahatma Gandhi Arts & Sciences College, Nagbhid.	2016	National
Total Publication in Proceedings		1		

S. No.	Book's Title	Publisher	National / International
1.	Cyanobacterial and Algal Metabolism and Environment Biotechnology. “Freshwater Cyanobacteria of Nagpur region”.	Tasneem Fatma (Ed.) Narosa Publishing House, New Delhi	International pp226-235. 1999
2.	Algal Biotechnology “Studies on freshwater diatoms from Nagpur”.	(Ed. P.C. Trivedi) Jaipur Pointer Publishing	National pp 225-232. 2001
3.	Algological Research in India : Festschrift to Prof. V.N. Rajarao “Desmids from Vidarbha”.	(Ed. N. Anand) Pub. Bishen Singh Mahendra Pal Singh, Dehradun	pp. 55-62 2002.
4	Algal Biotechnology “Cyanobacteria from the polluted habitat of Nagpur city”.	(Ed. P.C. Trivedi) Jaipur Pointer Publishing	pp 149-157. 2001
5.	Diet Concept: Past Present Future A Potential Micro-algae, Spirulina : For Human Nutrition and Health	(Ed. Bharti Katekhaye) Kapshilkar Publication, Nagpur	Pp 08-13 2020

MEMBERSHIPS			
S.N.	Organization	Short form	Membership
1	Alumni Association of Science College Of Nagpur	AASCON	Life Membership

2	Indian Science Congress		Life Membership
3	Indian Aerobiological Society		Life Membership
4	Botanique		Life Membership
5.	Indian Women Scientist Association	IWSA	Life Membership

Dr. Seema S. Bodkhe

Assistant Professor

Department of Botany

Institute of Science (An Autonomous Government Institute), Nagpur