

BIODATA

Mamta Bhat

Assistant Professor

School of Biosciences and Biotechnology

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Date of Birth: 09/01/1982

Age on 01/01/2018: 35 years 11 months and 23 days

ACADEMIC CREDENTIALS

S. No	Examination Passed	Subject(s)	University/Institution	Year	Percentage
1	10 th	G. English, Hindi, SST, Science & Mathematics	JK BOSE	1997	73.4%
2	12 th	G. English, Physics, Chemistry, Botany & Zoology	JK BOSE	1999	70.16%
3	B. Sc.	G. English, Chemistry, Botany & Zoology	University of Jammu	2002	71.51%
4	M. Sc.	Environmental Sciences	University of Jammu	2004	76.25%
5	NET	Environmental Sciences	UGC	June 2004	--
6	Diploma	Computer Applications	GIIT, Jammu	2005	--
7	Ph. D	Plant Sciences	BGSB University	2017	-

WORK EXPERIENCE: 10 years

WORK PROFILE:

Worked as Lecturer in Environmental Sciences in Government PG College Rajouri, Jammu and Kashmir from 2005 – 2007.

Worked as Conservation Education Assistant, Centre for Biodiversity Studies, School of Biosciences and Biotechnology, BGSB University, Rajouri, J&K from Mar 24th 2007 – Oct 18th, 2007

Presently Working as Assistant Professor, Centre for Biodiversity Studies, School of Biosciences and Biotechnology, BGSB University, Rajouri, J&K from Oct 19th, 2007 till date.

TRAININGS ATTENDED:

1. Training course on “Classical and modern methods in plant systematics”, organized by CSIR – National Botanical Research Institute, Lucknow from March 04 – 10, 2013.
2. Advanced Techno – Management Programme for Women Scientists (Sponsored by DST, Government of India) conducted by Management Development Institute, Gurgaon (New Delhi), December 23, 2013 – January 25, 2014.
3. Attended 102nd Orientation programme organized by UGC – human Resource Development Centre, University of Rajasthan, Jaipur, 12.09.2016 to 08.10.2016.
4. Attended Refresher course in Life Sciences organized by Department of Biotechnology, University of Jammu, Jammu, March 6, 2017 – March 27, 2017.

SEMINARS ATTENDED:

NATIONAL:

1. World Environment Day on “Role of students in preserving environment” organized by Jammu Consumer Council & Department of Environmental Sciences, University of Jammu, 2003
2. “Solid Waste Management”, Govt.P.G.DegreeCollege, Rajouri, Sep. 20th, 2007.
3. “Himalayan Biodiversity : Concerns &Issues”, CBS, BGSB University, Rajouri, (J&K), Oct. 26th – 29th, 2007
4. National Meet on “Biodiversity Studies - Roadmap”, Centre for Biodiversity Studies, School of Biosciences and Biotechnology, BGSB University, Rajouri, Oct. 18th, 2008.
5. 7TH JK Science Congress organized by University of Jammu, Oct 13 – 15, 2011, Jammu.
6. National seminar on Biotechnology for Bioprospection, Value addition and conservation of Bioresources organized by CBS, BGSB University Rajouri. Aug. 31st, 2012.
7. National Seminar on “Women power in cutting edge Biotechnology” organized by Amity University, Lucknow campus, Oct. 17th& 18th, 2013.
8. 2nd J&K Women’s Science Congress organized by Govt. College for Women, Parade ground, Jammu, Nov. 5th – 7th, 2013. 101st Indian Science Congress organized by Indian Science Congress Association, Kolkata, February 3rd – 7th, 2014.
9. 10th JK Science Congress on “Science and Technology for Inclusive Development: A Way Forward” at University of Jammu, Jammu, J & K, March 14th – 16th, 2015.
10. National Seminar on “New vistas in plant and microbial sciences” organized by Department of Botany University of Jammu, Jammu, March, 11 – 12, 2016.
11. Two Days National Conference at Govt Degree College Thannamandi, March 19th – 20th, 2018, Thannamandi, Rajouri.

INTERNATIONAL:

1. 4th South Asian Renewable Energy Conference 2009 – Responding to future energy challenges, organized by ASSOCHAM in collaboration with Ministry of New & Renewable energy, GOI, 29th July, 2009, New Delhi.
2. International Congress on “Agriculture, Food Engineering and Environmental Sciences – Sustainable Approaches: (AFEESSA - 2014) at Jawaharlal Nehru University, New Delhi organized by “Krishi Sanskriti”, March 29th – 30th, 2014.
3. International Congress on “ Role of Agri – Science, Forestry, Food Technology and Participatory Natural Resource Management for Mitigation of Climate Change” (AF - Nature 2015) at Jawaharlal Nehru University, New Delhi organized by “Krishi Sanskriti”, February 21st – 22nd, 2015.
4. International Conference on Architecture, Civil and Environmental Engineering (ACEE) 2017 organised by Krishi Sanskriti at Jawaharlal Nehru University, New Delhi, June 11th, 2017.

INTERNATIONAL VISITS:

Presented paper in International Conference on “Science for the environment” – 2015 organized by Danish Centre for environment and energy, **Aarhus University, Aarhus, Denmark**, October 1st – 2nd, 2015.

WORKSHOPS ATTENDED:

1. “Use of Environmental Law and policy for Environment Protection & Sustainable Development” at Rishikesh, Uttaranchal, organised by M.C.Mehta Environment Foundation, May 2006.
2. Brain storming meet on “Climate change and Green Technology”, Centre for Biodiversity Studies, School of Biosciences and Biotechnology, BGSB University, Rajouri, Feb. 21, 2010.
3. One day workshop on “Intellectual Property Technology management and Entrepreneurship” organized by Biotechnology Industry Research Assistance Council and SMVD University, Katra, January 11, 2013.
4. “National Workshop on Reproductive Biology for Biodiversity Conservation” organized by University of Jammu in collaboration with Centre for Biodiversity Studies, BGSB University, Rajouri, Nov. 22nd – 26th, 2013.

5. “National Workshop on Hands on Training in the field of Plant Reproductive Biology” organized by Centre for Biodiversity Studies, BGSB University, Rajouri, February 21st – 22nd, 2014.
6. Attended pre Conference Workshop on Molecular Systematics of lichens organized by Indian Lichenological Society, at CSIR NBRI, Lucknow, January 26th, 2018.

PUBLICATIONS:

1. Bhat, M. 2008. Pollution, environment and lichens. Environmental Awareness, 31:19-20. **ISSN 0254-8798.**
2. Bhat, M. 2014. Assessment of air quality of Rajouri town, Jammu & Kashmir, using lichen transplant technique. Science and Technology Journal, Vol. 2 (1): 15 – 19. **ISSN: 2321 – 3388.**(with Shukla, S., Upreti, D. K., Verma, S., Sharma, G. and Anand, R.).
3. Bhat, M. 2014. Lichens for sustainable environment. International Journal of Environmental Research and Development. Vol. 4: 325 – 328. **ISSN 2249-3131.**(with Verma, S. and Upreti, D. K.).
4. Bhat, M. 2016. New additions to the Lichen flora of Jammu and Kashmir state (India). Tropical Plant Research. 3 (1): 157 – 161. **ISSN (P): 2349 – 9265.** (with Goni, R., Verma, S., and Upreti, D. K.).
5. Bhat, M. 2016. Ground water recharging: a sustainable approach for water resource management in rural area. Journal of Basic and Applied engineering research. Volume 3(2): 180 – 181.

BOOK CHAPTER:

1. Bhat, M. 2015. Lichens: indicators of Climate Change. Energy Research and Environmental Management: An Innovative Approach. 118 - 119 **ISBN: 978-81-930585-2-7.** (with Verma, S., and Upreti, D. K.).

Abstracts in Conferences:

1. Bhat, M. 2011. A preliminary report on the lichens of district Rajouri. Abstract Book of 7th JK Science Congress JKSC – 11 October 13 – 15, 2011. **200.**
2. Bhat, M. 2013. Role of Biotechnology in lichen bioprospection. Abstract Book of National Seminar on “Women power in cutting edge Biotechnology” organized by Amity University, Lucknow campus, Oct. 17th& 18th, 2013. **30** (with Upreti, D. K and Verma, S).

3. Bhat, M. 2013. Bioprospection of lichens for pharmaceuticals. Abstract Book of 2nd J&K Women's Science Congress organized by Govt. College for Women, Parade ground, Jammu, Nov. 5th – 7th, 2013. **28**.
4. Bhat, M. 2014. Biomonitoring of Air pollution by Lichen Transplantation at Rajouri, Jammu and Kashmir. Proceedings of 101st Indian Science Congress, section of Environmental Sciences organized by Indian Science Congree Association, Kolkata, February 3rd – 7th, 2014. **95**. (with Upreti, D. K and Verma, S).
5. Bhat, M. 2015. Diversity of epiphytic lichens in Rajouri district. Proceedings of UGC-SAP sponsored National seminar on Innovative Trends in Plant and Microbial Sciences organized by Department of Botany, University of Jammu. March 2nd – 3rd, 2015. **PP-31, 45**. (with Upreti, D. K and Verma, S).
6. Bhat, M. 2015. Lichen conservation: needs and challenges. Souvenir 10th JK Science Congress 2015 March 14th – 16th, 2015 organized by University of Jammu and J & K State Council for Science and Technology on "Science and Technology for Inclusive Development: A Way Forward" (Abstracts). **BOT 45, 65**(with Upreti, D. K and Verma, S).

RESEARCH PROJECTS HANDLED:

Title of ongoing Project	Funding Agency	Amount Sanctioned
Bioactivity of secondary metabolites and thallus extracts from lichens against pathogens	Department of Biotechnology, Ministry of Science and Technology, Govt. of India	Rs 8.00 lakhs

Title of Completed Project	Year	Funding Agency	Amount Sanctioned
Minor project on Solid Waste Management	2007 – 08	National Environment Awareness Campaign, MoEF &CC, Govt. of India	Rs 0.05 lakhs
Minor project on Biodiversity Conservation	2010 - 11	National Environment Awareness Campaign, MoEF &CC, Govt. of India	Rs 0.30 lakhs

Lectures/Talks delivered:

1. Delivered extension lecture on “People and Environment” during NSS Winter Camp on January 4th, 2018 at Govt. Degree College, Thannamandi, Rajouri.
2. Delivered invited lecture on “Lichens and human welfare” during National Conference on Current Developments and next generation Lichenology organized by Indian Lichenological Society, CSIR – NBRI Lucknow, January 27th – 28th, 2018.

Popular articles in newspapers:

1. Solid waste management, The Mandate of 20:11:05.
2. Majestic Chinar, Daily Excelsior of 18:06:07.

MEMBERSHIP:

Life member of

1. Indian Science Congress Association, Kolkatta.
2. Indian Lichenological Society, Lucknow.
3. International Society of Environmental Botanists, Lucknow.
4. Social Environmental and Biological Association, Kolkata.
5. Green Earth Foundation, Jaipur.

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