CURRICULUM VITAE

Dr. Mohd. Muzamil Bhat

Current Position:

Assistant Professor & Head, Department of Water Management, Govt. College for Women, M A Road Srinagar.



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Personal Details:

Date of Birth : 01-02-1983
Sex : Male
Category : Gen
Marital Status : Married
Nationality : Indian
Passport No. : N 6057849

Languages known : English, Urdu, Kashmiri, Hindi, Arabic.

ACADEMIC QUALIFICATIONS:

- Ph.D. Environmental Biology (Sustainable Mitigation of Urban Water Bodies through Phytoremediation).
- M.Sc. Environmental Sciences.
- NET (UGC) Environmental Sciences.
- NET (ASRB/ICAR) Environmental Sciences.

Experiences/Activities/Achievements:

- Working as Member/Member Secretary of various college committees at Govt. College for Women, M A Road Srinagar.
- Working as member, Board of Studies, Water Management, Cluster University, Srinagar (J&K).
- Working as member, Board of Studies, Water Management, University of Kashmir, Srinagar (J&K).
- Worked as **Assistant Professor (Contractual)**, Environmental Sciences at Islamic University of Science & Technology, Awantipora Pulwama Kashmir (J&K) from March, 2013 to April 2022.
- Four Years research experience on Water Quality of Urban Areas and Phytoremediation and six months on solid waste management.
- Worked as a **supporting teaching faculty** at Department of Environmental Science, Babasaheb Bhimrao Ambedkar Central University, Lucknow, U.P., India.
- Worked as **Project Coordinator** in a national level NGO, "WEMTEP" in Jammu and Kashmir.
- Editorial member of *Journal of Environmental Science and Water Resources*.
- Reviewer of *African Journal of Environmental Science and Technology*.
- Reviewer of *World Applied Sciences Journal*.
- Member of *Environmental Biology Society*, School of Environmental Biology, APSU, Rewa, M.P. India.
- Member of Journal of Environmental Research and Development.
- Life member of Society for Environment Protection Public Health and Education Development.
- Editorial member of *International Journal of Environmental Science and Toxicology*.

PUBLICATIONS

Papers Published/Accepted/Communicated

1. **Bhat, M.M**., Yazdani, T., Narain, K., Yunus, M. and Shukla, R.N. (2009). Water Quality Status of Some Urban Ponds of Lucknow, Uttar Pradesh. *Journal of Wetland Ecology*, **2:** 66-73. [UGC]

2. **Bhat, M.M.,** Shankar, S., Shikha, P., Shukla, R.N. and Yunus, M. (2011). Remediation of Hydrocarbon Contaminated Soil through Microbial Degradation-FTIR based prediction. *Advances in Applied Science Research*, **2 (2**): 321-326. [UGC].

3. **Bhat, M.M.,** Kumar, D., Narain, K., Shukla, R.N. and Yunus, M. (2011). Mycoremediation of Hydrocarbon Contaminated Soil- FTIR Based Analysis. *World Applied Sciences Journal*, **15(11)**: 1547-1552. **SJR IF- 0.35**

4. **Bhat, M.M.,** Narain, K., Ahmad, A., Shukla, R.N. and Yunus, M. (2012). Seasonal Variations of Physico-chemical Characteristics in several Ponds of Lucknow City affected by Urban Drainage. *Advances in Environmental Biology*, **6(10):** 2654-2662. [UGC]. **SJR IF- 0.21**

5. **Bhat, M.M.,** Narain, K., Andrabi, S.Z.A., Shukla, R.N. and Yunus, M. (2012). Assessment of Heavy Metal pollution in Urban Pond Ecosystems. *Universal Journal of Environmental Research and Technology* (UJERT), **2(4):** 225-232. [UGC]

6. **Bhat, M.M.,** Narain, K., Shukla, R.N. and Yunus, M. (2013). Apportionment of pollution loads arising from catchments in pond water bodies. *Advances in Applied Science Research*, **4 (4**): 436-441. [UGC].

7. Shahenshah, **Bhat, M.M.,** Andrabi, S.Z.A. and Shukla, S. (2011). Effect of Idol Immersions on some Water Quality Parameters of Saryu River. *European Journal of Experimental Biology*, **1(3):** 97-100.

8. Narain, K., Yazdani, T., **Bhat, M.M.** and Yunus, M. (2012).Effect of Distillery Effluent on Physico-Chemical and Structural Properties of Soil. *Environmental Earth Sciences*, **66**: 977–984 (DOI 10.1007/s12665-011-1344-x). [UGC]. **SJR IF-1.66**

9. Narain, K., **Bhat, M.M.,** Abhilash, P.C. and Yunus, M. (2012). Impact of distillery effluent on seedling growth and pigment concentration of *Cicer arietinum* L. *Journal of Environmental Research and Development*, **6(3A)**: 601-608.

10. Narain, K., **Bhat, M.M.** and Yunus, M. (2012). Impact of distillery effluent on germination and seedling growth of *Pisum sativum* L. *Universal Journal of Environmental Research and Technology* (UJERT), **2(4):** 269-272. [UGC].

11. Yazdani, T., Mir, A.Q., Narain, K., **Bhat, M.M.** and Yunus, M. (2009). Fly Ash a Solid Waste: Its Utilization and Impact on Environment. *Our Earth,* **5(4):** 14-19.

12. Yazdani, T., Narain, K., **Bhat, M.M.** and Yunus, M. (2010). Phytoremediation: Ecofriendly Green Technology for Environmental Cleanup. *Our Earth*, **6(1):** 20-25.

13. Shah, A.B.**,** Shameem, S.A., Andrabi, S.Z.A and **Bhat, M.M.** (2013). Ecological Study of Three Medicinal Plants (*Malva Neglecta, Rumex Patientia and Taraxacum Officinale*) Of Kashmir Valley. *International Journal of Advance Research and Technology*, **1(2)**: 1-4**.**

Book Chapters Published

1. **Bhat, M.M.**, Yazdani, T., Narain, K., Shukla, R.N. and Yunus, M. (2013). *Constructed Wetlands: Sustainable Tools for Wastewater Treatment*. In: Environment Asia. (Eds.) Pal, A. Yunus, M. and Ahmad, K.J. Shree Publishers & Distributors, New Delhi. 295-306.

2. Narain, K., Yazdani, T., **Bhat, M.M.**, and Yunus, M. (2013). Phytoremediation: An Overview" In: Environment Asia- 2013. (Eds.) Pal, A. Yunus, M. and Ahmad, K.J. Shree Publishers & Distributors, New Delhi. 248-259.

3. Yazdani, T., Narain, K., **Bhat, M.M.** and Yunus, M. (2011). *Watershed Management: Sustainable Development for Conservation of Natural Resource*. In: Biotic Potential and the Abiotic Stress. (Eds.) Diwedi, A.K., Srivastava, M. and Pandey, V.N. Lambert Academic Publishing. 153-175.

4. Arya, R., **Bhat, M.M.**, Gupta, A.K. and Yunus, M. (2012). *Land Use Practices for Flood Risk Reduction*. In: Landscape Fragmentation and Restoration Researches in India. (Eds.) Soni, P. and Singh, L. Lambert Academic Publishing. 245-258.

5. **Bhat, M.M.**, Shukla, R.N. and Yunus, M. (2020). Urban Pond Ecosystems: Preservation and Management Through Phytoremediation. In: Fresh Water Pollution Dynamics and Remediation. (Eds). Qadri, H., Bhat, R.A., Mehmood, M.A. and Dar, G.H. Springer Nature Singapore Pte Ltd. 263-291.

Abstracts and Articles Published

1. "Constructed Wetlands – A Unified Approach of Phytoremediation". **Mohd. Muzamil Bhat**, Ab. Qayoom Mir, Taiyyaba Yazdani, Kamini Narain and Mohammad Yunus in National Conference on Biofunctions, Biodiversity and

Plant Resource Utilization, DDU, Gorakhpur University, Gorakhpur on 30-31st January 2009 pp. 83.

2. "Ecological Role of Macrophytes in Water Quality Management". **Mohd. Muzamil Bhat**, Taiyyaba Yazdani, Kamini Narain and Mohammad Yunus in SRK-ISA-RC-24-International Conference on Water, Environment, Energy and Society Organized By S. R. K. (P.G.) College, Firozabad, Agra University, India on 28-30 June 2009 pp 20.

3. "Disaster in India- An Overview and Issues for Research and Education". **Mohd. Muzamil Bhat**, Taiyyaba Yazdani, Kamini Narain, Mohammad Yunus and Ravinder Nath Shukla in 2nd India Disaster Management Congress, Vigyan Bhavan, New Delhi, 4-6 Nov. 2009. pp.319.

4. "Pollution Influx from the Catchment Areas in Urban Ponds". **Mohd. Muzamil Bhat,** Taiyyaba Yazdani, Kamini Narain, Mohammad Yunus and Ravinder Nath Shukla in 5th J&K Science Congress, University of Jammu, Jammu on 8-10th Feb. 2010 pp.1.

5. "Stormwater Ponds". **Mohd. Muzamil Bhat,** Taiyyaba Yazdani, Kamini Narain, Mohammad Yunus and Ravinder Nath Shukla in National Conference on challenges in Life sciences with changing Environment and Prof. H.S. Srivastava Memorial Lecture Series, Scared Heart Degree College, Sitapur on 20-21 February 2010 pp. 93.

6. "Effect of Heavy metals on some Bacteria Isolated from Distillery Effluent". Kamini Narain, Taiyyaba Yazdani, Ab. Qayoom Mir, **Mohd. Muzamil Bhat**, Bindulata and Mohammad Yunus in National Conference on Biofunctions, Biodiversity and Plant Resource Utilization, DDU, Gorakhpur University, Gorakhpur on 30-31st January 2009 pp. 24.

7. "Climate Change and Its Relation with Development and Sustainability". Taiyyaba Yazdani, Ab. Qayoom Mir, Kamini Narain, **Mohd. Muzamil Bhat** and Mohammad Yunus in National Conference on Biofunctions, Biodiversity and Plant Resource Utilization, DDU, Gorakhpur University, Gorakhpur on 30-31st January 2009 pp. 54.

8. "Impact of Distillery Effluent on Seed Germination and Seedling Growth of *Pisum sativum* L.". Kamini Narain, Ab. Qayoom Mir, Taiyyaba Yazdani, **Mohd. Muzamil Bhat**, and Mohammad Yunus in National Symposium on Current Challenges in Plant Sciences: Gene to Ecosystem. Banaras Hindu University on 24-25th Mar. 2009 pp 50.

9. "Influence of Short-Term Irrigation of Distillery Wastewater on the Growth of *Cicer arietinum* L*."*. Kamini Narain, Taiyyaba Yazdani, **Mohd. Muzamil Bhat**, Ab. Qayoom Mir, and Mohammad Yunus in SRK-ISA-RC-24-International

Conference on Water, Environment, Energy and Society Organized By S. R. K. (P.G.) College, Firozabad, Agra University, India on 28-30 June pp 67.

10. **"**Phytoremediation of Chromium from Tannery Wastewater/Sludge Using Two Crop Plants**"** Taiyyaba Yazdani, , Ab. Qayoom Mir, Kamini Narain, **Mohd. Muzamil Bhat** and Mohammad Yunus in SRK-ISA-RC-24-International Conference on Water, Environment, Energy and Society Organized by S. R. K. (P.G.) College, Firozabad, Agra University, India on 28-30 June 2009 pp 126.

11. "Effect of Tannery Sludge Amended Soil on Growth & Performance of Two Common Oil Yielding Crop Plants" Taiyyaba Yazdani, Kamini Narain, Ab. Qayoom Mir, **Mohd. Muzamil Bhat** and Mohammad Yunus in International Conference on Plant and Environmental Pollution (ICPEP-2009) 6-10 July Erciyes University Kayseri, TURKEY pp 53.

12. **"**Phytoextraction: Using Plants to Remediate the Contaminated Site" Kamini Narain, Taiyyaba Yazdani, **Mohd. Muzamil Bhat**, Ab. Qayoom Mir and Mohammad Yunus in International Conference on Plant and Environmental Pollution (ICPEP-2009) 6-11 July Erciyes University Kayseri, TURKEY pp 87.

13. "Natural Disaster Management: An Issue in India**"** Kamini Narain, Taiyyaba Yazdani, **Mohd. Muzamil Bhat**, and Mohammad Yunus in 2nd India Disaster Management Congress, Vigyan Bhavan, New Delhi, 4-6 Nov. 2009. pp 259.

14. "Climate Change: It's Effect on Living Beings- Risk Management and Research Agenda**"** Taiyyaba Yazdani, Kamini Narain, **Mohd. Muzamil Bhat** and Mohammad Yunus in 2nd India Disaster Management Congress, Vigyan Bhavan, New Delhi, 4-6 Nov. 2009. pp 320.

15. "Phytoremediation of Distillery Effluent by *Cicer arietinum* L.: Role of Antioxidant Enzymes and Antioxidant Substances" Kamini Narain, Taiyyaba Yazdani, **Mohd. Muzamil Bhat** and Mohammad Yunus in International Congress on Recent Advances in Environmental Science & Technology. Banaras Hindu University on 2-4 Nov. 2009 pp. 61-62.

16. "Phytoremediation: An Emerging **Ecofriendly Green** Technology for Environmental Cleanup" Taiyyaba Yazdani, Ab. Qayoom Mir, Kamini Narain, **Mohd. Muzamil Bhat**, and Mohammad Yunus in International Congress on Recent Advances in Environmental Science & Technology. Banaras Hindu University on 2-4 Nov. 2009 pp 73-74.

17. "Climatic Change and Sustainable Development". Kamini Narain, Taiyyaba Yazdani, **Mohd. Muzamil Bhat** and Mohammad Yunus in National Conference on Identifying the research basis for sustainable development of Kumaun Region on 15-16 Jan 2010. pp 49.

18. "Environmental Risk Management" Taiyyaba Yazdani, Kamini Narain, **Mohd. Muzamil Bhat** and Mohammad Yunus in 5th J & K Science Congress, University of Jammu, Jammu on 8-10th Feb. 2010 pp.3-4.

19. "Phytoremediation of heavy metal pollution from contaminated site" Taiyyaba Yazdani, **Mohd. Muzamil Bhat,** Kamini Narain, and Mohammad Yunus in National Conference on Challenges in Life Sciences with Changing Environment and Prof. H.S. Srivastava Memorial Lecture Series, Scared Heart Degree College, Sitapur on 20-21 February 2010 pp. 90-91.

20. "Urban pond water bodies: status and threats" **Mohd. Muzamil Bhat,** Taiyyaba Yazdani, Kamini Narain, Mohammad Yunus and Ravinder Nath Shukla in Fourth International Conference on Plants and Environmental Pollution (ICPEP-4) organized by International Society of Environmental Botanists and National Botanical Research Institute Lucknow, India, 8-11 Dec. 2010 pp. 109-110.

21. "Flood Disaster in India and its Management" Richa Arya, **Mohd. Muzamil Bhat,** A.K. Gupta and M. Yunus in Fourth International Conference on Plants and Environmental Pollution (ICPEP-4) organized by International Society of Environmental Botanists and National Botanical Research Institute Lucknow, India, 8-11 Dec. 2010 pp. 13-14.

22. "E-waste in India and its Management" **Mohd. Muzamil Bhat,** Taiyyaba Yazdani, Kamini Narain, Mohammad Yunus and Ravinder Nath Shukla in National Seminar on Global Environmental Issues: Problems & Prospects organized by National PG College Lucknow, 19-20 Feb. 2011 pp. 63.

23. "Importance of Disaster Management Education in India" Richa Arya, **Mohd. Muzamil Bhat,** Kamini Narain, A.K. Gupta and M. Yunus in National Seminar on Global Environmental Issues: Problems & Prospects organized by National PG College Lucknow, 19-20 Feb. 2011 pp. 79.

Seminars & Workshop Attended/Participated/Presented

1. Regional Seminar on, "Intellectual Property & Innovative Management In Knowledge Era**"** organized by the Corporation in Collaboration with Council of Science & Technology, U. P. at Lucknow on November 6th to 7th 2008.

2. International Conference on Water, Environment, Energy and Society by S.R.K. (P.G.) College, Firozabad Agra University, India from June 28-30, 2009.

3. 2nd India Disaster Management Congress organized by National Institute of Disaster Management, New Delhi held on 4-6 November 2009.

4. Symposium on Climate Change: Issues and Imperatives organized by Department of Environmental Sciences, Babasaheb Bhimrao Ambedkar University, Lucknow held on 16th Feb. 2010.

5. National Conference on Challenges in Life Sciences with Changing Environment and Prof. H.S. Srivastava Memorial Lecture Series by Sacred Heart Degree College, Sitapur and Prof. H.S. Srivastava Foundation for Science and Society, Lucknow from Feb., 20-21, 2010.

6. Fourth International Conference on Plants and Environmental Pollution ICPEP-4 by International Society of Environmental Botanist and National Botanical Research Institute Lucknow, India from Dec., 8-11, 2010.

7. "E-waste in India and its Management" in National Seminar on Global Environmental Issues: Problems & Prospects organized by National PG College Lucknow, 19-20 Feb. 2011.

8. Two weeks workshop on Environmental Studies conducted by Indian Institute of Technology Bombay at Islamic University of Science and Technology, Awantipora Pulwama (J&K) under the project National Mission on Education through ICT MHRD, Government of India from 2nd June to 12th June , 2015.

9. International Conference on Sustainable Development and Technological Innovation organized by School of Business Studies, Islamic University of Science and Technology, Awantipora Pulwama from Dec. 23-24, 2015.

10. IMPACT, Math Festival (2016) by Department of Mathematical Sciences, Islamic University of Science and Technology, Awantipora Pulwama from March 19-20, 2016.

11. One day workshop on 'Waste Management and Cleanliness Drive' conducted by Mantaqi Center for Science and Society and Department of Mathematical Sciences (Environmental Science Section) Islamic University of Science and Technology Awantipora Pulwama on 29th November, 2017.

12. Three day national workshop on "Technical Paper Writing, Patent Drafting and Filing" organized by the Department of Electronics and Communication Engineering, Islamic University of Science and Technology Awantipora Pulwama (J&K), from 12th to 14th of December, 2017.

13. One day workshop on "How to Write and Publish Scientific Articles and Manuscripts" conducted by Islamic University of Science and Technology Awantipora Pulwama and Springer Nature on 15th December, 2017.

14. Two day workshop on "Scientific and Technical Documentation Using LATEX" organized by Department of Electrical Engineering, Islamic University of Science and Technology Awantipora Pulwama from 21-22 December, 2017.

15. Two-day national workshop on Nanoscience opportunities and Challenges, jointly organized by the Department of Physics and Department of Chemistry, Islamic University of Science and Technology Awantipora Pulwama (J&K), on 4th and 5th of September, 2018.

16. One day online National Conference on Biodiversity Conservation and Sustainable Future (BCSF-2020) organized by Govt. SAM Degree College Budgam and Govt. Degree College Pulwama Jammu & Kashmir on June 6, 2020.

Certificate Courses

- **Successfully completed certificate courses through SWAYAM in:**
  - *Ecosystem and Natural Resources*
  - *Sustainable Management of Biodiversity*
  - *Environmental Occupational Hazards*
  - *Environmental Impact Assessment for Environmental Health*

Mohd. Muzamil Bhat