

Curriculum Vitae



Dr. M. Ashraf Bhat
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(A). Objective

To work with a group of honest and dedicating teaching and research oriented resource persons in an educational institution. The focus point of my teaching and research will be in the field of biosciences with interdisciplinary research in the field of Environment and water resource/wastewater resource management. Interdisciplinary teaching and research is being considered by policy makers at New Delhi to take the education sector of the country to the international standard and I too believe in this mantra. In this context I am confident enough to handle teaching and research activities between the departments of Zoology, Biotechnology and Environmental Sciences.

(B). Introduction

Dr Bhat has done M.Phil & Ph.D Zoology (Environmental Technology) from Pondicherry Central University, India with research interests in water and wastewater treatment systems. For his research interests, Bhat has gained expertise in wastewater treatment systems, solid waste disposal techniques and water and wastewater quality monitoring techniques during his doctoral phase. For his doctoral work he has worked on the application of a novel bioreactor SHEFROL[®] developed by his guide under a MoWR project. Novelty and usefulness of SHEFROL system was accepted world over and finally a patent was granted (Patent No. 302282) by the patent office, Government of India. Dr. Bhat has presented several research papers at various international and national conferences across India. He has one outstanding paper to his credit. His doctoral research was widely published by India's leading print media houses such as The Hindu, The Times of India, The Indian Express, Current Affairs, Governance Now and Better India. Bhat believes that the research and its findings should ultimately reach to the common people and they should be able to harness its benefits easily.

(C). Academic qualifications

S.No.	Institution	Degree	Year	Classes	Field/Subject
1	Pondicherry University	Ph.D.	2016	-	Zoology (Environmental Technology)
2	Pondicherry University	M.Phil.	2011	I	Environmental Technology
3	University of Pune	M.Sc.	2008	I	Zoology (Animal Physiology)

4	University of Kashmir	B.Sc.	2006	II	Zoology
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(D). Teaching Experience		
<i>S.No</i>	<i>University/Institute</i>	<i>Period</i>
1	Lecturer, GDC, Pattan, J&K	April 2018- Present
2	Lecturer, GDC, Tangdhar, J&K	May 2017 – March. 2018
3	Teacher, AL-Asma School, Chattergam	July 2008 – August 2010

(E). Achievements and awards

1. Received Maulana Azad National Fellowship, India, for M.Phil and Ph.D.
2. Received Best Research Paper Award at IWMER-2015

(F). Specializations

1. Animal Physiology, Reproductive Biology, Immunology, Fresh water Zoology, Parasitology (UG & PG Courses)
2. Water/wastewater Resource Management (Research)

(G). Computer Skills

1. Diploma in Information & Advanced Technology (IT)
2. Other Applications: MS Word, MS Excel, MS Power Point.

(H). Research Papers in Referred Journal	
<i>S.No</i>	<i>Title</i>
1	Bhat, M. A., Abbasi, T., & Abbasi, S. A. (2018). Soil-Less Use of Aquatic Macrophytes in Wastewater Treatment and the Novel SHEFROL® Bioreactor. In <i>Advances in Health and Environment Safety</i> (pp. 297-316). Springer, Singapore.
2	Bhat, M. A., & Abbasi, T. (2015). Feasibility of using salvinia (<i>Salvinia molesta</i>) as a bioagent for continuous Treatment of sewage in SHEFROL® bioreactors.. <i>International Journal of Environmental Science and Engineering Research (IJESER)</i> , 6(2):1-4
3	Dar, J. A., Mir, M. F., Bhat, N. A., & Bhat, M. A. (2013). Pollution Studies of a Monomictic Lake, Srinagar, Jammu and Kashmir. <i>India. Forest Res</i> , 2(110), 2.

(I). Publication of Research Work in India's leading News Papers and E.magazines			
<i>S.No</i>	<i>News Paper/ E.magazine</i>	<i>Title</i>	<i>Publishing date</i>
1	Better India	The low-cost technology is helping Puducherry village treat its wastewater, and it uses plants	Mar. 02, 2017
2	Governance Now	This is how Puducherry treats waste water	Feb. 22, 2016
3	Greater Kashmir	Developing low cost sewage treatment system	Oct. 12, 2015

4	The Times Group	Pondy Varsity teachers develop cheaper, green tech. to treat sewage	Aug. 11, 2015
5	The Hindu	Eco-friendly way of treating water	Aug. 05, 2015
6	Current Affairs	SHEFROL: An Ecofriendly way of treating water, pp 155-156	Aug. 2015

(J). List of Papers Presented in national/international conferences

S.No	Title
1.	Treatment of Domestic Wastewater from a Fishing Hamlet in Pondicherry using SHEFROL Bioreactor. 11 th JK Science Congress, <i>University of Kashmir</i> , 2015
2.	Efficiency of SHEFROL [®] Bioreactor to Treat the Wastewater Generated by the Village Communities. National Seminar on Integrated Waste Management and Energy Recovery, <i>Department of Environmental Management, Bharathidasan University, Tamil Nadu, India</i> , February 12, 2015.
3.	Adaptation of a Novel Bioreactor SHEFROL [®] to Treat Household Wastewater. International Conference on Water: From Pollution to Purification, <i>Centre for Environment Education and Technology (CEET), Kottayam, Kerala, and Advanced Centre of Environmental Studies and Sustainable Development (ACESSD), Mahatma Gandhi University, Kottayam, Kerala, India</i> , January 23-26, 2015
4.	Employing <i>Alternanthera sessilis</i> as a Bioagent in SHEFROL [®] Bioreactor for High Rate Treatment of Wastewater. National Conference on Emerging Trends in Water Quantity and Quality Management, <i>Poornima University, Jaipur, India</i> , December 19-20, 2014
5.	Exploration of the Efficiency of <i>Salvinia molesta</i> as a Bioagent in Rapid Treatment of the Septic Tank Effluents in SHEFROL [®] Bioreactor. 3 rd National Conference on Challenges in Biochemical Engineering and Biotechnology for Sustainable Environment, <i>Department of Chemical Engineering, Annamalai University, Tamil Nadu, India</i> , April 02-03, 2014.
6.	A Pilot Plant demonstrating the efficacy of the weed salvinia (<i>Salvinia molesta</i>) for the Rapid Treatment of Sewage in SHEFROL [®] Bioreactor. School of Public Health, Global Public Health Conference, <i>SRM University, Chennai, India</i> , February 21-23, 2014.
7.	Salvinia (<i>Salvinia Molesta</i> , Mitchell): a Promising Bioagent for very Rapid Treatment of Domestic Wastewater in the SHEFROL [®] Bioreactor. National Conference on Hydrology with special emphasis on Rain Water Harvesting, <i>Poornima Group of Colleges, Jaipur, India</i> , November 15-16, 2013.
8.	Assessment of the Role of Macrophyte <i>Marsilea quadrifolia</i> as a Bioagent for very Rapid Wastewater Treatment in SHEFROL [®] Bioreactor. International Conference on Bioenergy, Environment and Sustainable Technologies, <i>Arunai Engineering College, Tiruvannamalai, Tamil Nadu, India</i> , January 27-30, 2013.
9.	Performance of <i>Salvinia molesta</i> , Mitchell as a Bioagent for very Rapid

	Treatment of Septic Tank Effluents in the SHEFROL® Bioreactor. National Conference on Conservation and Management of Wetland Ecosystems, <i>School of Environmental Sciences, Mahatma Gandhi University, Kottayam, Kerala, India</i> , November 06-08, 2012.
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(K). Conferences/Symposiums participated	
<i>S.No</i>	<i>Title</i>
1	International Conference on Green India Strategic Knowledge for Combating Climate Change Prospects and Challenges (GISKCCC-2013), <i>Pondicherry University, India</i> , December 05-07, 2013.
2	7 th National Symposium on PLANT PROTECTION OPTIONS-Implementation and Feasibility. Society of Plant Protection Sciences, <i>IARI New Delhi and (NCL) Pune, India</i> , December 20-22, 2007.

(L). Opinions		
<i>S.No.</i>	<i>Opinion Title</i>	<i>Publishing</i>
1	Save Them Now	Greater Kashmir, March 02, 2018
2	KU needs a reformist not a scientist	Rising Kashmir, June 12, 2018

(M). Testimonials/References
<p>1. Professor J. A. K. Tareen (Padma Shri), Former Vice Chancellor of University of Kashmir, Former Vice Chancellor of Pondicherry University, Former Vice Chancellor of B. S. Abdur Rahman University, Former member of University Grants Commission, India. Email: tareenjak@yahoo.co.in , Phone: +91-9442234506</p>
<p>2. Emeritus Prof. S. A. Abbasi, Former Head Center for Pollution Control and Environmental Engineering, Pondicherry University, Kalapet, Puducherry, India. Email: abbasi.cpee@gmail.com, Phone: +91-9487765262</p>
<p>3. Dr N. K. Goel, Bharat Singh Chair for Water Resources, Department of Hydrology IIT Roorkee 247667, Uttarakhand, India. Email: goelhy@gmail.com, goelnfhy@iitr.ac.in , Phone: +91-9412393851</p>
<p>4. Prof. Ing. Jan Vymazal, Head Depart of Applied Ecology, Faculty of Environmental Sciences, Czech University of Life Sciences, Prague- 165006. Email: vymazal@yahoo.com. Vymazal@knc.czu.cz , Phone: +420224383825</p>
<p>5. Dr Tasneem Abbasi, Assistant Professor, Center for Pollution Control and Environmental Engineering, Pondicherry University, Kalapet, Puducherry, India. Email: tasneem.abbasi@gmail.com, Phone: +91-9751468491</p>
<p>6. Khalid Ul Rehman Hakeem, Associate Professor, Department of Biological Sciences, Faculty of Science, King Abdulaziz University, Jeddah, Makkah Province, Kingdom of</p>

Saudi Arabia, Email: kur.hakeem@gmail.com, Phone: 00966-0508642544.

(N). Personal Information

Name: Dr. Mohammad Ashraf Bhat

Father: Ghulam Mohammad Baht

Permanent address: House No. 13, Mir Mohalla, Gowhar Pora, Chadoora, Budgam,
Jammu & Kashmir, Pin: 191113

Date of birth: 05/

(O). Patent Reference

[1]. (*Official Journal of the Patent Office*, 20 7611, 2012).

http://ipindia.nic.in/ipr/patent/journal_archieve/journal_2012/pat_arch_052012/official_journal_18052012_part_i.pdf, page no. 7611.

(P). Declaration

I hereby declare that the information furnished above is true to the best of my knowledge and belief.

Place: Srinagar, India

Date: 22.11.2018



M. A. Bhat