

CURRICULUM VITAE

Abhilasha Bhawsar, PhD

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Present status

At present working at the capacity of Assistant Professor in Department of Environmental Sciences and Limnology, Barkatullah University, Bhopal.

Academic Details

Doctorate

- PhD Environmental Sciences and Limnology (2013) Department of Environmental Sciences and Limnology, Barkatullah University, Bhopal, India.

Post Graduation

- M.Sc. Limnology (2007) Scored 70.41%, Department of Environmental Sciences and Limnology, Barkatullah University, Bhopal, India.

Graduation

- B.Sc. Botany, Zoology, Chemistry (2005) Scored 65.38%, Govt. P.G. College, Bareilly, India.

Personal Profile

Father's Name	:	Shri Mahendra Kumar Bhawsar
Mother's Name	:	Smt. Geeta Bhawsar
Date of Birth	:	31 st December, 1983

Languages Known : English and Hindi

Computer Skills : Diploma in Computer Applications (1 Year)

Specialization : Aquatic ecology, Environmental Science.

Research and training experience

- Participated in Online Workshop for Health Science & Colleges on “Transformation through NAAC Accreditation process” dated 21-22 June, 2021 (**nominated by the Hon’ble Vice Chancellor to participate as representative of Barkatullah University, Bhopal**).
- Participated in National webinar on “Opportunities & Challenges in National Education Policy-2020” dated 21 Sept. 2020, organized by Dr. Harisingh Gour Vishwavidyalaya, Sagar.
- Participated in training programme on “*Training of Teachers (TOT)* for Deeksharambh-Student Induction Program (SIP)” dated from 21st to 23rd August, 2019 at The National Law Institute University, Bhopal, Madhya Pradesh organized by University Grants Commission, Central Regional Office, Bhopal (**nominated by the Hon’ble Vice Chancellor to participate as representative of Barkatullah University, Bhopal**).
- Participated in Refresher course (three week) in Savitri Bai Phule Pune University, Pune, dated 22 November - 12 December, 2018.
- Participated in orientation program (four week) in Academic Staff College, University of Kashmir, Srinagar dated 5 May - 2 June, 2015.
- Participated in training course (one week) on Environment Education and Sustainable Development at Environmental Planning and Coordination Organization, Bhopal, during 19-24 January, 2015.
- Participated in training program on “Environment impact assessment and biodiversity conservation” held at Indian Institute of Forest Management (IIFM), Bhopal during 11-13 March, 2013.
- Participated in 5-day training on “Phylogenetic Analysis: Tools and Techniques” organized in Dept. of Bioinformatics and biotechnology, Barkatullah University, Bhopal during 17-21 January, 2012.
- Performed one-week training with **Dr. K.A. Subramanian**, Scientist E & Officer-in-Charge, Zoological Survey of India, Ministry of Environment, Forest and Climate Change, Govt. of India, Chennai (Ex Scientist C, ZSI, Pune) during December, 2010.

- Performed field survey with **Dr. Michael T. Barbour**, Mote Marine Lab, Sarasota, during “International River Festival” 21-23 March, 2010, Bandrabhan, M.P., India organized by Narmada Samagra, India (Developed Rapid Bioassessment Protocols, US EPA, Ex Vice President and Director, Center for Ecological Sciences, University of Maryland, Maryland, USA).
- Worked as “Project fellow” in UGC funded Major research project from 16.02.2010 to 25.03.2012 in Department of Environmental Sciences and Limnology, Barkatullah University, Bhopal.

Publications

1. Samreena Tabassum, Abhilasha Bhawsar and Vipin Vyas (2011). Study of Denwa River in Pachmarhi biosphere reserve area. *Journal of Aquatic Biology*, 26(1): 1-5. **ISSN: 0971-4235.**
2. Vipin Vyas and Abhilasha Bhawsar (2013). Benthic community structure in Barna stream network of Narmada River basin. *International Journal of Environmental Biology*, 3(2): 57-63. **ISSN 2277-386X**
3. Vipin Vyas, Abhilasha Bhawsar, Manzoor Ahmad Bhat (2013). Assessment of macrozoobenthic structure in relation to physicochemical components in Barna stream network of Narmada River basin. *Asian Academic Research Journal of Multidisciplinary AARJMD*, 1 (14):20-38. Impact factor: Index Copernicus (ICV) - 5.05 **ISSN: 2319-2801**
4. Kripal Singh Vishwakarma, Altaf Ali Mir, Abhilasha Bhawsar and Vipin Vyas (2014). Assessment of Fish assemblage and distribution in Barna Stream Network in Narmada basin (Central India). *International Journal of Advanced Research*, 2 (1): 888-897. **ISSN 2320-5407**
5. Abhilasha Bhawsar and Vipin Vyas (2014). Estimation of water quality index in Barna stream network of Narmada River basin. *International Journal of Current Research*, 6 (09): 8600-8604. **ISSN: 0975-833X**
6. Abhilasha Bhawsar, Vipin Vyas and Manzoor Ahmad Bhat (2015). Assessing ecological integrity of Barna stream network of Narmada River basin by using macrozoobenthic communities. *International Journal of Scientific Research (IJSR)*, 4 (10):1-4. **ISSN No 2277-8179.**
7. Abhilasha Bhawsar, Manzoor Ahmad Bhat and Vipin Vyas (2015). Distribution and composition of macroinvertebrates functional feeding groups with reference to catchment area in Barna sub-basin of Narmada River basin. *International Journal of Scientific*

Research in Environmental Sciences, 3(11): 0385-0393. ISSN: 2322-4983.
<http://dx.doi.org/10.12983/ijsres-2015-p0385-0393>

8. Manzoor Ahmad Bhat, Farooq Thoker, Hilal Dar, Abhilasha Bhawsar and Vipin Vyas (2015). Habitat preference of macrozoobenthos in Upper Lake - A Ramsar Site . *International Journal of Scientific Research in Environmental Sciences*, 3(12): 0431-0435. ISSN: 2322-4983. <http://dx.doi.org/10.12983/ijsres-2015-p0431-0435>
9. Sandhoor Singh, Mohan Singh, Manzoor Ahmad Bhat and Abhilasha Bhawsar (2016). Evaluation of water quality index of Upper Lake - A Ramsar site. *Archives of Applied Science Research*, 8(3):34-37. ISSN No. 0975-508X
<http://scholarsresearchlibrary.com/archive.html>
10. Neelam Kalakar, Manzoor Ahmad Bhat, Abhilasha Bhawsar and Vipin Vyas (2016). Studies on ground water quality in Narsingharh area of Madhya Pradesh, India. *Archives of Applied Science Research*, 8 (7):12-15. ISSN No. 0975-508X
<http://scholarsresearchlibrary.com/archive.html>
11. Abhilasha Bhawsar, Manzoor Ahmad Bhat and Vipin Vyas (2016). Water quality assessment of Barna stream network of Narmada River basin. *Academia Journal of Environmental Science* , 4(7):118-124. ISSN: 2315-778X. DOI: 10.15413/ajes.2016.0117
12. Jahangeer Quadar, Manzoor Ahmad Bhat, Vipin Vyas, Pradeep Shrivastava and Abhilasha Bhawsar (2017). Physical habitat assessment of two pristine and polluted streams of Narmada River basin. *IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS)*, 12(6) III: 60-63. e-ISSN:2278-3008, p-ISSN:2319-7676. DOI: 10.9790/3008-1206036063. **UGC SI No.5012.**
13. Aadil Mir, Vipin Vyas, Pradeep Shrivastava, Abhilasha Bhawsar and Manzoor Ahmad Bhat (2018). Ecological and ethnomedicinal values of sacred plants in some major temples of Bhopal, India. *International Journal of Current Microbiology and Applied Sciences*, 7(1): 1630-1637. **NAAS Score 5.38.**
14. Mohd Rafi, Manzoor Ahmad Bhat, Abhilasha Bhawsar and Vipin Vyas (2017). Distribution and abundance of odonates, in Palakmati stream of Narmada River basin. *International Journal of Research in Applied, Natural and Social Sciences (IMPACT: IJRANSS)*, 5 (11) : 127-132. **Impact Factor (JCC): 3.6754.**
15. Roomi Jan, Abhilasha Bhawsar and Manzoor Ahmad Bhat (2017). Seasonal variation in physicochemical properties of two pristine and polluted streams. *Ecology, Environment and Conservation* 23 (4): 2254-2257. **NAAS score 4.89.**

16. Sohail Yousuf Lone, Abhilasha Bhawsar and Manzoor Ahmad Bhat (2017). Comparative study of physicochemical analysis of soils of Barna and Jamner streams. *Pollution Research* 36 (3): 636-639. **NAAS Score 4.97.**
17. Rihalee Tembhare, Abhilasha Bhawsar, Vipin Vyas and Manzoor Ahmad Bhat (2018). Assessing ecological quality of riparian habitat of streams of Narmada River basin using QBR index. *International Journal of Applied and Natural Sciences (IJANS)*, 7 (2):87-90. **NAAS score 3.73.**
18. Sandeep Carpenter, Abhilasha Bhawsar and Manzoor Ahmad Bhat (2018). Comparative study of physicochemical characteristics of ground water and surface water in Bhopal city, India. *International Journal of Current Research in Life Sciences* 7 (02): 923-926. **UGC SI No.47847**
19. Sandeep Carpenter, Shilpi Maurya, Abhilasha Bhawsar and Manzoor Ahmad Bhat (2020). Comparative study of aquatic micro flora of Upper Lake and Shahpura Lake, Bhopal. *Our Heritage*, 68(1): 61-66. **ISSN: 0474-9030**
20. Waheed Ahmad Hurra and Abhilasha Bhawsar (2021). Assessment of ground water quality near solid waste dumping site Bhanpur, Bhopal. *International Journal of Applied Research*, 7(8): 314-319. **P-ISSN: 2394-7500 E-ISSN: 2394-5869**
21. Hilal Ahmad Bhat, Mushtaq Ahmad Ganie, Abhilasha Bhawsar (2021). Kolar River in the focus of natural anthropogenic situations at catchments (M.P INDIA). *IJCR,T 9* (10) : b215-b221. **ISSN: 2320-2882**
22. Hilal Ahmad Bhat, Mushtaq Ahmad Ganie, Abhilasha Bhawsar (2021). Water Quality Assessment of Kolar River with PhysicoChemical Analysis (Sehore, MP). *International Journal of Innovative Research in Technology*, 8 (4): 259-264. **ISSN: 2349-6002**
23. Mushtaq Ahmad Ganie, Hilal Ahmad Bhat and Abhilasha Bhawsar (2022) Evaluation of anthropogenic stress on ecological quality of riparian habitat of Kolar River. *IJGGE*, 4(1): 84-88. **p-ISSN: 2706-7483 e-ISSN: 2706-7491**
24. Mushtaq Ahmad Ganie, Hilal Ahmad Bhat and Abhilasha Bhawsar (2022) Kolar River in the focus of physical habitat assessment with its catchment. *IJAR*, 8(3): 38-41. **p-ISSN: 2394-7500 e-ISSN: 2394-5869**

Accepted for publication

1. Mohan Singh, Sandhoor Singh, Manzoor Ahmad Bhat and Abhilasha Bhawsar. Assessing water quality status of Upper Lake - A Ramsar site by using benthic communities. Accepted for publication in *International Journal of Environmental Sciences*. **ISSN: 0976- 4402**

Books/chapters (International/National Publishers)

1. **Abhilasha Bhawsar**, Manzoor Ahmad Bhat and Mohan Singh (2016). *Role of macroinvertebrates in assessing water quality*. Lambert Academic Publishing, Germany, pp: 69.
2. **Abhilasha Bhawsar**, Manzoor Ahmad Bhat and Vipin Vyas (2019). Assessment of impact of land use on macrozoobenthic diversity of Barna sub-basin of Narmada River basin. In Ahmad, F. and Bakhtiyar, Y. (Eds.), *Horizons in Zoological Studies* (pp: 37-45). Srinagar: Department of Zoology, University of Kashmir, Srinagar, India. **ISBN: 978-935351-851-6**

Reviewer

- Reviewer for Journals viz., IMPACT: International Journal of Research in Applied, Natural and Social Sciences and Advances in Science, Technology and Engineering Systems Journal (ASTESJ).

Research guidance

- 3 PhD candidates submitted thesis under my supervision.
- Co supervisor to 2 PhD candidates.
- Supervised more than 15 students for their dissertation required for the degree of Masters of Science in Environmental Sciences.

Paper presentation in National and International seminar/conferences

- **Abhilasha Bhawsar**. Paper presentation in BU Second Research Seminar, 14-15 June, 2021 organized by Barkatullah University, Bhopal.
- **Abhilasha Bhawsar**. Invited talk on the Sampling Benthos: Tools & Techniques in workshop on River Ecology and Biodiversity, organized by Department of Biosciences, Barkatullah University, Bhopal, 29 Feb-1 Mar, 2020.
- **Abhilasha Bhawsar**, Manzoor Ahmad Bhat and Vipin Vyas. Assessment of impact of land use on macrozoobenthic diversity of Barna sub-basin of Narmada River basin. Paper presented in National Seminar on Animal Science Congress: Horizons in Zoological Studies, 4-6 August, 2018, organized by Department of Zoology, University of Kashmir, Srinagar, Jammu and Kashmir, India.
- **Abhilasha Bhawsar**. Invited lecture on “Benthos: tools and techniques” in seminar organized by TARU, Indore, 25 July, 2015.
- **Abhilasha Bhawsar**. Water quality monitoring of Barna sub-basin of Narmada River using benthic macroinvertebrates. Paper presented in Young Scientist Congress, 28 Feb-1 Mar, 2011, Jabalpur, organized by Madhya Pradesh Council of Science and Technology.

- **Abhilasha Bhawsar.** Impact of land use on stream ecology in Barna sub-basin of Narmada River. Paper presented in “International River Festival” 21-23 March, 2010, Bandrabhan, M.P., India organized by Narmada Samagra, India.

Honors / awards and administrative assignments

- Honored for contribution in the field of Animal Science by the Department of Zoology, University of Kashmir on the occasion of 3 Day National Seminar on Animal Science Congress: Horizons in zoological Studies, 4-6 August, 2018.

Conference / Seminar Organized

- Organized Expert Lecture on Earth Day 22 April, 2022.
- Organized workshop on Monitoring of River Ecosystem Health dated 5-7 March, 2022.
- Organized Second Campus Bird Count at Barkatullah University Campus, Bhopal dated 18-21 Feb, 2022.
- Organized online Expert Lecture under “Ek Bharat, Shreshta Bharat” on the topic “*Cultural Heritage of Nagaland*” 13 August, 2021.
- Organized online symposium on “*The role of natural history collections*”, 20 May, 2021.
- Organized webinar on International day for biological diversity, 22 May, 2021(lockdown).
- Organized National webinar on “COVID 19: Impact on earth and environment”, 30-31 May, 2020 in collaboration with Department of Earth Sciences.
- Organized three-day online lecture series 18-20 May, 2020 (lockdown).
- Organized one-day workshop in collaboration with NGO “*Sarthak*” on “Plastic Waste Management” on 4 June, 2019 at Department of Environmental Sciences and Limnology, Barkatullah University, Bhopal.
- Organized poster making competition on World Wetlands Day, 2 February, 2018 in collaboration with department of Zoology and Applied aquaculture, Barkatullah University, Bhopal. The prizes for the winners were sponsored by WWF, Bhopal and Regional Museum of Natural History, Bhopal.
- Organized work shop on “Ecological health assessment of wetland ecosystem (Bhoj Wetland: A Ramsar Site)” under DBT Builder Program, 9-11th January, 2017.
- Organized three-day workshop was on “Q-GIS, 26-28th July, 2017 in the Department of Environmental Sciences and Limnology, Barkatullah University, Bhopal.
- Organized lecture under Popular Lecture Series on “Invisible pollution in environment and health” on 16 November, 2017.

Research projects

- Project investigator of research project on the topic entitled “Ecological assessment of Barna sub-basin of Narmada River basin by using macrozoobenthic communities” funded by Madhya Pradesh Council of Science and Technology (MPCoST), Bhopal.
- Project investigator of research project on the topic entitled “Assessment of effect of soil erosion and degradation on water quality of Kolar River” Seed money, Barkatullah University, Bhopal.

Active participation

- Participated in “1st Citizen Science Bird and Butterfly Survey” at Bhopal City Forest on 5 Feb, 2022 organized by Bhopal Territorial Division, MP Forest Department and Tinsa Ecological Foundation, Bhopal.
- Participated in “Campus Bird Count-2021” at Barkatullah University Campus, Bhopal on 21 Feb, 2021 organized by Department of Zoology and Applied Aquaculture, Barkatullah University, Bhopal supported by Bhopal Birds Conservation Society, Bhopal.
- Evaluator in 28th National Children’s Science Congress, dated 3 Feb., 2021, A program of National Council for Science & Technology Communication, Department of Science and Technology, Govt. of India.
- Jury member in painting competition on the occasion of Wildlife Week, 2018 organized by Department of Zoology and Applied Aquaculture, Barkatullah University, Bhopal.
- Evaluator in 24th National Children’s Science Congress, dated 28-30 Nov., 2016, A program of National Council for Science & Technology Communication, Department of Science and Technology, Govt. of India.
- Evaluator in 22nd National Children’s Science Congress, dated 9-11 Dec., 2014, A program of National Council for Science & Technology Communication, Department of Science and Technology, Govt. of India.

Administrative assignments/member

- Member, Board of Studies, Environmental Science and Limnology (2014-2019).
- Member, Board of Studies, Zoology and applied Aquaculture (2014-till date).
- Member, Tender committee, Barkatullah University, Bhopal (2020 to till date).
- Member, committee, “State specification action plan for water sector of Madhya Pradesh state”, Barkatullah University, Bhopal.

- Active involvement in execution of Temporary Exhibition on “Rivers of Madhya Pradesh” at Regional Museum of Natural History, Bhopal under the Ministry of Environment, Forest & Climate Change, Govt. of India.
- Member, Youth festival, 6-8 October, 2017, Barkatullah University, Bhopal.
- Member, Youth festival, October, 2014, Barkatullah University, Bhopal.
- Member, Editorial Board, BU Newsletter, Barkatullah University, Bhopal.

Date:

Place: Bhopal

Dr. Abhilasha Bhawsar