

RESUME*

DR. J.P. BHATT

Research Scientist

Centre for Interdisciplinary Studies
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Father's Name Shri B.D. Bhatt

Date of Birth 10 June 1970

Permanent Address

H.N. 6 (1st Floor)
Pocket 8, Sector 24,
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New Delhi

Academic Qualifications

H.N.B. Garhwal University	Ph.D.	(1993-1998)
H.N.B. Garhwal University	M.Sc. (Zoology) (Specialization: Environmental Biology)	(1991-1992)
H.N.B. Garhwal University	B.Sc. (Zoology, Botany)	(1988-1990)

Field of Specialization:

- Environmental Impact assessment, Biodiversity, Aquatic Ecology and Fishery Science

Admin and Academic Responsibilities

- *Co-Principal Investigator of research and consultancy projects at the Centre at University of Delhi*
- *Administrative, fiscal and research work at the Centre*
- *Teaching of M.A./M.Sc. in the Department of Environmental Studies, University of Delhi for more than 5 years.*

Experience

Organisation	Duration	Position	Duties
Centre for Inter-disciplinary Studies of Mountain & Hill Environment (CISMHE), University of Delhi, Delhi.	2006-till date	Sr. Scientist	Research/Teaching
Centre for Inter-disciplinary Studies of Mountain & Hill Environment (CISMHE), University of Delhi, Delhi.	2000-2006	Research Associate	Research
Department of Zoology, H.N.B. Garhwal University, Srinagar (Garhwal)	1994-1998	SRF	Research
Department of Zoology, H.N.B. Garhwal University, Srinagar (Garhwal)	1993-1994	JRF	Research

Teaching Experience & Research Supervision

Paper -5 : Environment Impact & Risk Assessment [Theory & Practical]
Paper -1 : Introduction to Environmental Studies [Theory]

M.A./M.Sc. (Environmental Studies Dissertations guidance/Mentor) :

1. Manisha [M.Sc. – 2017-18]
2. Arvind Negi [M.Sc. - 2017-18]
3. Swati Sharma [M.Sc. – 2016-17]
4. Manjeet [M.Sc. - 2016-17]
5. Mr. Abhinay Sharma [M.Sc. - 2014-15]
6. Akshat Sharma [M.Sc. - 2014-15]
7. Sumit Sharma [M.Sc. - 2014-15]
8. Shalini Priya [M.A. – 2013-14]
9. Pooja Rani [M.Sc. – 2013-14]
10. B. Kamaksha [M.Sc. – 2013-14]
11. Gardina Nighbri [M.Sc. – 2012-13]

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|-----|-----------------------|--------------------|
| 12. | Chanambam Ronel Singh | [M. Sc. – 2012-13] |
| 13. | Y. Nandini Devi | [M.Sc. – 2012-13] |
| 14. | Sakshi Garg | [M.Sc. -2010-11] |
| 15. | Shweta Sharma | [M.Sc. -2010-11] |
| 16. | Ankush Saklani | [M.Sc. - 2009-10] |
| 17. | Akash Singh | [M.Sc. - 2009-10] |

Laboratory & Instrumentation

- In-charge of laboratory maintenance – procurement of equipment, chemicals and glassware.

List of Publications (Refereed Journals)

1. **J.P. Bhatt**, Sudha Tiwari and M.K. Pandit (2017). Environmental impact assessment of river valley projects in upper Teesta Basin of Eastern Himalaya with special reference to fish conservation: A review. **Impact Assessment & Project Appraisal**, 35:340–350 .
2. **J.P. Bhatt**, Kumar Manish, R. Mehta and M.K. Pandit (2016). Assessing Potential Conservation and Restoration Areas of Freshwater Fish Fauna in the Indian River Basins. **Environmental Management**, 57: 1098-1111.
3. **J.P. Bhatt** and M.K. Pandit (2016). Endangered Golden mahseer *Tor putitora* Hamilton: a review of natural history. **Reviews in Fish Biology and Fisheries**, 26:25–38.
4. **J.P. Bhatt**, Kumar Manish and M.K. Pandit (2012). Elevational gradients in fish diversity in the Himalaya: Water discharge is the key driver of distribution patterns. **PLoS ONE**, 7(9): e46237.doi:10.1371/journal.pone.0046237
5. **J.P. Bhatt** and M.K. Pandit (2010). A macro-invertebrate based new biotic index to monitor water quality. **Current Science**, 99: 196-203
6. **J.P. Bhatt**, A. Bhaskar and M.K. Pandit 2008. Biology, distribution and ecology of *Didymosphenia geminata* (Lyngbye) Schmidt an abundant diatom from the Himalayan rivers. **Aquatic Ecology**, 42:347-353.
7. **J.P. Bhatt**, A. Bhaskar and M.K. Pandit 2005. Biotic communities of Kishanganga river: A pre-impoundment case study of a Himalayan river. **Aquatic Ecosystem Health and Management Society**, 8:259-265.

8. **J.P. Bhatt**, P. Nautiyal and H.R. Singh 2004. Status (1993-94) of the endangered fish Himalayan mahseer *Tor putitora* (Hamilton) (Cyprinidae) in the mountain reaches of the river Ganga. **Asian Fishery Science**, **17**:341-355.
9. **J.P. Bhatt**, A. Jain, A. Bhaskar and M.K. Pandit 2001. Pre-impoundment study of biotic communities of Kistobazar nala in Purulia, West Bengal, **Current Science**, **81**:1332-37.
10. **J.P. Bhatt**, P. Nautiyal and H.R. Singh 2000. Population structure of Himalayan mahseer, a large cyprinid fish in the regulated foothill section of the river Ganga. **Fisheries Research**, **44**: 267-271.
11. **J.P. Bhatt** and P. Nautiyal 1999. Mortality and survival of Himalayan mahseer *Tor putitora* in the regulated section of the river Ganga between Rishikesh and Hardwar. **Journal of Bombay Natural History Society**, **96**: 70-73.
12. **J.P. Bhatt**, V.S. Rawat and P. Nautiyal. 1999. Mortality and survival rates of Himalayan mahseer, *Tor putitora* (Hamilton) in the Ganga river system. **Indian Journal of Animal Sciences**, **69**: 645-647.
13. **J.P. Bhatt**, P. Nautiyal and H.R. Singh 1998. Racial structure of Himalayan mahseer, *Tor putitora* (Hamilton) in the Ganga between Rishikesh and Hardwar. **Indian Journal of Animal Sciences**, **68**: 587-590.
14. **J.P. Bhatt**, P. Nautiyal and H.R. Singh 1998. Comparative study of morphometric characters of Himalayan mahseer *Tor putitora* (Hamilton) between Ganga and Gobindsagar reservoir stocks. **Indian Journal of Fisheries**, **45**:85-87.
15. **J.P. Bhatt**, P. Nautiyal and H.R. Singh 1998. Maturity stages and sex ratio in the Golden mahseer, *Tor putitora* (Hamilton) in the foothill section of river Ganga. **Journal of Hill Research**, **11**: 68-73.
16. B. Kishor, **J.P. Bhatt**, V.S. Rawat and P. Nautiyal 1998. Variations in the food habit of the Himalayan mahseer *Tor putitora* (Hamilton) inhabiting the Ganga river system in Garhwal region. **Indian Journal of Fisheries**, **45**: 113-118.
17. B. Kishor, **J.P. Bhatt**, V.S. Rawat and P. Nautiyal 1998. Stream regulation: Variations in the density of benthic macro-invertebrate fauna of Ganga in the lateral canals at Hardwar. **Journal of Hill Research**, **11**: 62-67.
18. P. Nautiyal, **J.P. Bhatt**, V.S. Rawat, B. Kishor, R. Nautiyal and H.R. Singh 1998. Himalayan mahseer: Magnitude of commercial fishery in Garhwal Hills. **Fish Gen. Biodiversity Conservation**, **5**:107-114.
19. P. Nautiyal, **J.P. Bhatt**, B. Kishor, V.S. Rawat, R. Nautiyal and H.R. Singh 1997. Altitudinal variations in phytobenthos density and its components in coldwater mountain river Alaknanda-Ganga. **Phykos**, **36**:81-88.

20. P. Nautiyal, **J.P. Bhatt**, B. Kishor, V.S. Rawat, R. Nautiyal and H.R. Singh 1997. Assessment of fish food resource in relation to the migratory habit of *Tor putitora* (Hamilton) found in the impounded section of the river Ganga between Rishikesh and Hardwar. **Proc. Nat. Acad. India, B63(B)**: III & IV.
21. K. Badoni, R. Nautiyal, J.P. Bhatt, B. Kishor and P. Nautiyal 1997. Variations in epilithic diatom community structure due to river valley projects on the Ganga between Rishikesh and Hardwar. **Proc. Indian Nat. Sci. Acad.**, **63(6)**: 523-536.
22. K Badoni, R. Nautiyal, **J.P. Bhatt**, B. Kishor and P. Nautiyal 1999. Variations in the diatom community structure due to stream regulation in Ganga between Rishikesh and Hardwar. **Proceedings of Fourth Indian Fisheries Forum**, Cochin, India. 13-15
23. P. Nautiyal, **J.P. Bhatt**, B. Kishore, V.S. Rawat, R. Nautiyal, Rita and H.R. Singh 1999. Himalayan mahseer habitat: variations in the density of some communities in regulated sections of Ganga (Rishikesh –Hardwar). **Proceedings of Fourth Indian Fisheries Forum**, Cochin, India. 99-102.
24. B. Kishor, V.S. Rawat, **J.P. Bhatt** and P. Nautiyal 1999. Size and age related variations in the feeding intensity of Himalayan mahseer (*Tor putitora*) from the Ganga river system. **Proceedings of Fourth Indian Fisheries Forum Proceeding**, Cochin, India 279-281.

Chapters in Books

1. **J.P. Bhatt**, B. Kishor, V.S. Rawat, R. Nautiyal, P. Nautiyal (1997). Stream Regulation. I. Variations in the density of diatoms (Potamoplankton) in impounded sections of river Ganga. In: I.S. Grover and A.K. Thukral (eds.) Environment and Development. pp. 233-236.
2. P. Nautiyal, R. Nautiyal, V.S. Rawat, **J.P. Bhatt**, B. Kishor (1997). Stream regulation. II. Variations in the density of phytobenthic diatoms in impounded section of river Gang. In: I.S. Grover and A.K. Thukral (eds.) Environment and Development. pp. 237-240.
3. B. Kishor, V.S. Rawat, **J.P. Bhatt** and P. Nautiyal (1997). Stream regulation. III. Variations in the density of benthic macro-invertebrate fauna of Ganga in the lateral canals at Hardwar. In: I.S. Grover and A.K. Thukral (eds.) Environment and Development, 1998.

Papers presented in symposium/ seminar

1. **March 1995.** Stream Regulation. I. Variations in the density of diatoms (Potamoplankton) in impounded sections of river Ganga. Published In: I.S. Grover and A.K. Thukral (eds.) **Environment and Development**, pp. 233-236.
2. **October 1999.** Aquatic biodiversity and emerging trends in freshwater biology. In: J.P. Bhatt and P. Nautiyal (eds), **Fish & Aquatic Ecology**, Department of Zoology, HNB Garhwal University

Invited Presentation

1. Impacts of Hydro-power and EMP for Mahseer fishery and Conservation in Himalaya. Workshop organized by WWF, New Delhi on Mahseer Conservation in India: Status, Challenges and the way forward

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R & D Projects

Carrying Capacity Studies

As PI/Co- Principal Investigator

1. Carrying Capacity Study of Lower Teesta Basin in West Bengal
2. Cumulative Impact Assessment & Carrying Capacity Study of Upper Ganga Reaches in Uttarakhand

As Scientist

1. Carrying Capacity Study of Teesta Basin in Sikkim

Environment Impact Assessment Studies

As PI/Co- Principal Investigator

1. EIA/EMP Studies of Heo H.E. Project on Yarjep river in Arunachal Pradesh
2. EIA/EMP Studies of Pauk H.E. Project on Yarjep river in Arunachal Pradesh

3. EIA/EMP Studies of Tato-I H.E. Project on Yarjep river in Arunachal Pradesh¹.
4. EIA/ EMP Studies of Loktak Downstream H.E. Project on Leimetak River in Manipur
5. EIA/ EMP Studies of Teesta Stage-IV H.E. project on Teesta River in Sikkim
6. EIA/ EMP Studies of Lower-Siang H.E. project on Siang River in Arunachal Pradesh
7. EIA/ EMP Studies of Hirong H.E. project on Siyom River in Arunachal Pradesh
8. Environment Flow Assessment of Pauk, Heo and Tato I H.E. project
9. EIA/EMP Studies of Jalam Tamak H.E. Project on Dhauliganga River in Uttarakhand
10. EIA/EMP Studies of Malari Jalam H.E. Project on Dhauliganga River in Uttarakhand
11. Environmental flow Study of Singoli Bhatwari H.E. project, Uttarakhand
12. EIA/ EMP Studies for Luhri H.E. Project on Sutlej River in Himachal Pradesh
13. Cumulative Impact Assessment of Siang Basin

As Team Leader

14. EIA/ EMP Studies of Tawang Chhu Stage-I H.E. project on Tawang River in Arunachal Pradesh
15. EIA/ EMP Studies of Tawang Chhu Stage-II H.E. project on Tawang River in Arunachal Pradesh
16. EIA/EMP Studies of Demwe Lower H.E. Project on Lohit river in Arunachal Pradesh
17. EIA/ EMP Studies of Tato-II H.E. project on Siyom River in Arunachal Pradesh

As Scientist

18. EIA/ EMP Studies for Pakal-Drangdhuran (Bursar Scheme) H.E. Project on Marusudar River in Kashmir, J&K
19. EIA/ EMP Studies of Panan H.E. Project on Rangyong Chhu in Sikkim
20. EIA/ EMP Studies of Rongni H.E. Project on Rani Khola in Sikkim
21. EIA/ EMP Studies of Alaknanda H.E. Project on Alaknanda River in Uttarakhand
22. EIA/ EMP Studies of Chakung Chhu H.E. Project on Chakung Chhu in North Sikkim
23. EIA/ EMP Studies of Ralang H.E. Project on Rangit River in South Sikkim
24. EIA/ EMP Studies of Jorethang Loop H.E. Project on Rangit river in Sikkim
25. EIA/ EMP Studies of Singoli Bhatwari H.E. Project on Mandakini River in Uttarakhand

26. EIA/ EMP Studies of Phata-Byung H.E. Project on Mandakini River in Uttarakhand
27. EIA/ EMP Studies of Rambara H.E. Project on Mandakini River in Uttarakhand
28. EIA/ EMP Studies for Purulia Pumped Storage Scheme in Purulia district of West Bengal
29. EIA/ EMP Studies of Chamera H.E. Project (Stage-III) on Ravi River in Himachal Pradesh
30. EIA/ EMP Studies of Rolep H.E. Project on Rangpo Chhu in East Sikkim
32. EIA/ EMP Studies of Kishanganga H.E. Project on Kishanganga River in Jammu & Kashmir
31. EIA/ EMP Studies of Parvati H.E. Project (Stage-II) on Parvati River in Himachal Pradesh
32. Environmental Impact Assessment (EIA) of the 33 KV Transmission Line through Protected Forest in Diglipur & Mayabunder Division, Andaman & Nicobar Islands
33. EIA Report on Canalisation of Sakki/ Kiran Nallah in Gurdaspur & Amritsar Districts of Punjab