

FACULTY PROFILE

Dr. Seema Trivedi

Professor of Zoology

Department of Zoology

Govt. Madhav Science PG College,

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Teaching Experience

Undergraduate: 36 years

Postgraduate: 15 years

Research Interest

Fish-Fisheries, Endocrinology and Limnology.

Research Publication

1. **2003-** Observation on activity recovery of Mercury exposed freshwater fish by using an Integrated Aquatic macrophyte Base System J.Natoon, 15(2) 371-375.
2. **2005-** Decline trends of fish biodiversity in a tropical river Kshipra, J.Aquacult (6) 143-147.
3. **2006-** Studies on fish growth rate of some Commercially important food fishes of Gandhisagar reservoir J.Exp. Zool.India 9(1)97-102.

4. **2009**- Physiological observation on activity recovery of mercury exposed freshwater fish by using aquatic weeds. International J. Environment Conservation 10(3) 109-113
5. **2010** - Globalization and Intellectual Property rights MPCST 106-108 ISBR 978-81
6. **2015** - Vermicomposting and Rural economic development. Atharv publications BTU-RD:TRT 1 310-313
7. **2015** - Studies of Zooplankton Ecology in TriveniSangam of Kshipra River. International J. Pharmacology and Biological Science 9(3) 49-54, Vol. 9, No. 3, ISSN 0973-6808
8. **2015** – Diversities of phytoplankton in Kshipra River (Triveni Station), Ujjain. International Journal of Research, “Granthalaya”, Vol. 3, Issue 9, ISSN (O) 2350-0530, ISSN (P) 2394-3629.
9. **2016**-Determination of Zooplankton by using laser counters. Int. J. of Advances in sciences and technology Vol. 10 Issue No. 21 , Feb. 2016, Issn 2230-9659.
10. **2017**- Seasonal Variations in Physico-Chemical Parameters of Dholawad Dam of Ratlam District (M.P.). Intl. Journal of Fundamental & Applied Research PP 20-24, Vol. 5, Issue 6+7, ISSN 2320-7973.
11. **2018**- Seasonal Diversity of Phytoplankton in Relation to Seasonal Changes in Physicochemical Parameters of Khedi Kalan station of Dholawad Dam of Ratlam District (M.P.). Intl. Journal of Pure and Applied Bioscience. ISSN 2320-7051 6(2): 448-454 (2018)
12. **2020**- Climate change and its Impact on the Environment.

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Books Published

Nil

Chapters in Books

Nil

Awards/Achievements

1. **2009:** Chaired technical session in international conference on Advances in Biosciences from Darwin to Dolly and Beyond organized by Yashwant Mahavidyalaya Nanded Maharashtra, India
2. **2011:** Chaired technical session in national seminar on environment management and biodiversity conservation organized by Omkarnanda Institute of management and Technology Rishikesh Uttarakhand India.
3. **Member** in Zoological society Department of Zoology Govt. Madhav Science College Ujjain (M.P.)
4. **Life membership of ASEA** no.L0112 association of sustainable efficacious development on international Association.
5. **Fellow:** Fellow of action for Sustainable development and awareness (ASEA) membership no. L0112 date issued 11 March 2013.
6. Membership of Vigyan Bharti (Malwa Vigyan Parishad Samiti).

Subject Related Activities

Trainings and Workshops - National and International

1. **1988** Participation in a workshop, University Level Technical Terminology, Organized by HRD Ministry, Commission for Scientific Terminology”
2. **2002** Participation in a “Training Programme” on “Operation Preventive & Maintenance and Calibration of Analytical Instruments” Jointly Organized by University Science Instrumentation Centre & Western regional instrumentation centre, Mumbai.
3. **2006** Participation in a workshop, University level Technical Terminology, organized by HRD Ministry, Commission for Scientific Terminology.
4. **2007** Participation in a work shop on “Biochemical tests and experiments “organized by Govt. Holkar Science College Indore (M.P.).

5. **2008** Participation in a workshop on “Application of Modern Instruments” organized by western regional Instrumentation centre Mumbai (WRIC) and Govt. Kalidas College Ujjain (M.P.).
6. **2008** Participation in a state level workshop on “Development initiatives and Role of Community Education” organized by the Indian Society for community education (ISCE) Ahemedabad (Gujrat).
7. **2009:** Participation in a workshop on Globalization and Intellectual property rights by organized govt. Degree College Tarana (Ujjain).
8. **2009:** Participation in a Training Programme on MS office organized by RCVP Noronha administrative academy Bhopal (M.P.).
9. **2009:** Participation in a workshop on Rights to Information Act 2005 “Sponsored by RCVP Noronha Academy Bhopal organized by Madhav Science College (M.P.).
10. **2013:** Participation in a State Level workshop on “Role of Higher Education in Direction to youth organized by Govt. Madhav Arts and Commerce College, Ujjain (M.P.)
11. **2013** Participation in a workshop on “Hands on training on training on Bioinformatics” for life science faculties. Organized by Govt. P.G. Arts and Science college Ratlam (M.P)
12. **2014** participation in a workshop “On good Laboratory practices and environmental issued” organized by MEDI-CAPS Group of Institution Indore (M.P)
13. **2014** Participation in a workshop on “Fresh water fish culture and identification of fishes” organized by P.G. Deptt. Of Zoology Govt. Holkar Science College Indore (M.P).
14. **2015** Participation in a workshop on ”Mysterious world of snakes” organized by Zoology dept. Govt. Madhav VigyanMahavidyalaya Ujjain (M.P)
15. **2015** Participation in a workshop on “Uccha Shiksha Me Gunwatta Vikas Avam Prabandhan” organized by Govt. Madhav Arts and Commerce College Ujjain (M.P).
16. **2015** Participation in Training on “Donor Motivation & Recruitment for Voluntary blood donation 2014-15” by Govt. Civil Hospital Ujjain.
17. **2016** Participation in National Workshop on “Safalta ke Sutra” organized by S.J.P.G College, Neemuch(M.P.).

18. **2017** Participation in Workshop on “Samaj Seva aur Vyaktitva Vikas” organized. Govt. M.V.M. College, Ujjain(M.P.).
19. **2017** Participation in Workshop on “Sansadiya Padhati aur Prakriya” organized. Govt. M.V.M. College, Ujjain (M.P.)
20. **2017** Participation in Workshop on “Protien-Protien Interaction” organized. Govt. M.V.M. College, Ujjain (M.P.).
21. **2018** Participation in National Workshop on “Biodiversity Conservation: Need and Strategies” organized by School of Studies in Environment Management Ujjain (M.P.).
22. **2018** Participation in National Workshop on “Changing Environmental scenario: Problems and solution” organized by Department of botany govt. girls college Motiabela indore. (MP) 10/09/2018.
23. **2019** Participation in National Workshop on “ Application of Biochemical Techniques in biosciences and poster presentation (PCR) organized by department of biochemistry and zoology govt. Holkar science college indore (MP)”03/03/2019.
24. **2020** Participation in National Workshop on “Recent trends in Molecular Biology” organized by Govt. Girls PG College Ujjain(M.P)

Seminar, Conference and Symposium - National and International

1. **2002** Participation in a Seminar on “Environment Pollution and Fishery Management” organized by School of Studies in Zoology Vikram University, Ujjain as a Delegate and presented a paper.
2. **2002** Participation in a Seminar on “Biodiversity sustainable use of Bio resources” organized by Department of Limnology Barkatullah University, Bhopal as a delegate and Presented a paper
3. **2004** Participation in a conference organized by “ Prodhogiki Sanchar Parishad (D.S.T.), New Delhi Govt. of India and Science Centre (Gwalior) as a Member of Evaluation Committee.

4. **2004** Participation in a Symposium on “Bio resources, Environment & Society” organized by India Society of Life Sciences, University of Jammu, as a delegate and Presented a paper.
5. **2005** Participation in a Conference: 21st M.P. Young Scientist Congress by Vikram University, Ujjain as a member of organizing committee.
6. **2006** Participation in a Conference on “JanasancharMadhyam Hindi Ki Dasha&Disha” organized by Govt. Girls P.G. College, Ujjain as a delegate.
7. **2007** Participation in a National Conference on “Frontiers of Research in Chemical Sciences” organized by Govt. MadhavMahavidyalaya, Ujjain as a delegate.
8. **2007** Participation in a national conference on “Environmental problems and Initiatives” organized by Department of Geography Govt. P.G. College MotiTabela, Indore as a delegate and presented a paper.
9. **2007** Participation in a National Seminar on “The role of NGOs and Educational Institutions in Environmental Education and Ecotourism” organized by Govt. Kalidas Girls College Ujjain as a delegate.
10. **2007** Participation and presented a paper in seminar on knowledge based society lising environmentally sustainable science and technology “organized by Indian Science Congress Association Bhopal Chapter.
11. **2009:** Participation in National Seminar on “The effect of Global warning organized by P.G. College Khandawa (M.P.)
12. **2009:** Participation in National Seminar on “Impact of Globalization on Indian economy sponsored by UGC organized by Govt. Commerce College Ratlam (M.P.)
13. **2009:** Participation in National Seminar on Social economic political status of women in India sponsored by UGC organized by Govt. PG College, Ratlam (M.P.)
14. **2009:** Presentation of a Paper in the International Conference on Advances in Biosciences from Darwin to Dolly and beyond organized by YashwantMahavidyalayaNanded Maharashtra (M.P.)
15. **2009:** Presentation of a paper in BhartiyaVigyanSammelanVs 2009 on Green Technology for sustainable development organized by DAVV Indore (M.P.)

16. **2010:** Presentation of a paper in MahilaVigyanSammelan organized by Mata GujriMahavidyalaya Jabalpur (M.P.)
17. **2011:** Participation and presentation of paper in a National Seminar on Environment management and Biodiversity conservation organized by Omkarnanda Institute of management and Technology Rishikesh (Uttarakhand) India.
18. **2011:** Participation in a National Seminar organized by Govt. Madhav Science College, Ujjain (M.P.)
19. **2011:** Participation and presentation of a paper in National Seminar on Green chemistry organized by Mata Jijabai College, Indore (M.P.)
20. **2011:** Participation in IIndMahilaVigyanSammelan organized by Madhav Science College, Ujjain
21. **2012:** Participation in National Conference on Emerging Trends in Research and Analysis for Sustainable Development Organized by Govt. Madhav Science College, Ujjain (M.P.)
22. **2013:** Participation in a seminar on water crisis in rural and urban area and its management organized by Govt. Madhav Arts and Commerce College, Ujjain (M.P.)
23. **2013:** Participation in a seminar on equality and best practices in higher education organized by Govt. Madhav Science College, Ujjain (M.P.)
24. **2013** Participation and presentation of a paper in a seminar on “Changing dimension in higher education an issue in context with changing Environment” organized by M.K.H.S. Gujrati girls college, Indore (M.P)
25. 2014 Participation in a international yog seminar on “Seminar, social and spiritual awakening with yog organized by yog life society Ujjain (M.P)
26. **2014** Participation in a INSPIRE Science Internship Camp2014, organized by Govt. MadhavVigyanMahavidyalaya Ujjain (M.P) as a “Member of organizing committee”.
27. **2014.** Participation and presentation of paper in a sminar on “Interdisiciplinary Approach of basic sciences” organized by Govt. Girls P.G. College Ujjain (M.P)
28. **2014** Judge in Model/Chart Section of Science exhibition organized by Govt. Girls P.G. College Ujjain (M.P)

29. **2014** Participation and presentation of a paper in a conference on “Indian Environmentalism and Developmental Issues” Organized by Govt. MadhavVigyanMahavidyalaya Ujjain (M.P)
30. **2014** Participation in a seminar on “Contributions of Ramanujan in mathematics and its applications in mathematical sciences” organized by Govt. MadhavVigyanMahavidyalaya Ujjain (M.P)
31. **2014** Participation and presentation of a paper in seminar on “Crystallography and its Applications” organized by Govt. Girls P.G. College Ujjain.
32. **2014** Participation and presentation of a paper in 3rd MP women science congress on “Women Empowerment and their role in Sustainable Development” organized by Holkar science college Indore.
33. **2015** Participation and presentation of paper in an international conference on “Bridging the Urban-Rural divide: Through Rural transformation” organized by G.H. Raisonni institute of business management, Jalgaon, Maharashtra(India).
34. **2015** Participation in national conference on “VartmanSamajikParidrashyameinKanoonkiBhoomika”organized by National book trust India and SamsayikAdhyayan Kendra Indore
35. **2015** Participation in a seminar on “Computational Biology” organized by Govt. MadhavVigyanMahavidyalaya Ujjain (M.P).
36. **2015** Participation and a member of organizing committee in a conference on “Trends in analytical chemistry” organized by chemistry dept. Govt. MadhavVigyanMahavidyalaya Ujjain (M.P).
37. **2015** Participation in National Seminar on “Application of Biological Sciences for Human Welfare” organized by zoology dept. Govt. Holkar Science College, Indore(M.P.).
38. **2015** Participation in National Seminar on “Social issues and Environmental Problems” organized by Zoology and Biotechnology dept. Govt. P.G. Science College, Ujjain(M.P.).
39. **2016** Participation in National Seminar on “Causes and Consequences of Bio-Diversity Loss” organized by Botany dept. Bhagat Singh Govt. P.G. Science College, Jaora(M.P.).
40. **2016** Participation in National Consortium on “From Photonics to Economic Impact of Light” organized. Govt. P.G. Science College, Ujjain(M.P.).

41. **2016** Participation in National Seminar on “Strategies for Sustainable Use of Resources” organized by Govt. Kalidas Girls College, Ujjain(M.P.).
42. **2017** Participation in National Conference on “Spirituality, Religion and happiness” organized by Govt. M.L.P.G College, Indore(M.P.).
43. **2017** Participation in National Seminar on “Shri MadBhagwat Geeta mein Adhyatm Vigyan evm Yoga” organized by Govt. Madhav College, Ujjain(M.P.).
44. **2019** Participation in National Seminar on “Nehru” organized by Govt. Madhav Science PG College in Ujjain(M.P.)
45. **2019** Participation in National Seminar on “Science and Technology for Sustainable Development” organized by Govt. Girls PG College Ujjain(M.P).
46. **2019** Participation in International Conference on “Recent Advances in Life Sciences for Betterment of Environment and Human Health” organized by Govt. Holkar Science College Indore(M.P).

Webinar- National and International

1. **2020** Participation in National Webinar on “Biodiversity Conservation and Sustainable Development” organized by R.S.Govt. PG Girls College Chhindwara(M.P)
2. **2020** Participation in National webinar on “Environmental Imbalance and Corona-Havoc” organized by Govt. Holkar Science College Indore(M.P)
3. **2020** Participation in National Webinar on “Gender Equality and Women Empowerment” organized by Govt. Holkar Science College Indore(M.P).
4. **2020** Participation in National Webinar on “Covid-19: Immunopathology, Clinical manifestations and therapeutic measurements” organized by Govt. Madhav Science PG College Ujjain(M.P)
5. **2020** Participation in National Webinar on “Mental Health and Covid 19” organized by Govt. Holkar Science College Indore(M.P)
6. **2020** Participation in National Webinar on “Biodiversity Conservation and its Management” organized by Govt. Girls PG College Ujjain(M.P).
7. **2020** Participation in National Webinar on “Entrepreneur opportunities in Fish Culture” organized by School of Studies in Zoology and Biotechnology Vikram University Ujjain.

8. **2021** Participation in National Webinar on “Cancer Awareness” organized by Govt. Girls PG College Ujjain(M.P).
9. **2021** Participation in National Webinar on “Biology: For the welfare of Mankind” organized by SMS Govt. Model Science College Gwalior(M.P).
10. **2021** Participation in International Webinar on “Toll like receptor 4 Mediated Immune responses in development of skin cancer” organized by Govt. Madhav Science PG College Ujjain(M.P)
11. **2021** Participation in International Webinar on “Role of Science and Technology in Global Health and Food Security” organized by Govt. Girls PG College Ujjain(M.P).
12. **2021** Participation in International Webinar on “Ecosystem Reservation through Sustainable Biodiversity” organized by Govt. Girls PG College Ujjain(M.P).

Short term courses and Faculty Development Programmes

1. **2002** Participation in a two week “Faculty Development Programme in Entrepreneurship” sponsored by National Science & Technology Entrepreneurship Development Board, New Delhi .
2. **2013:** Participation in a Workshop on Capacity Building of woman managers in Higher Education (SAM workshop) sponsored by UGC organized by Govt. PG college Mandsaur, Vikram University, Ujjain (M.P.)
3. **2014** Participation in the orientation programme on “Introduction to translation” organized by Ministry of Human Resource Development of Higher Education Govt. of India.
4. **2020** Participation in Short term course on “Covid-19 crisis awareness: Ayurveda’s Immunity boosting plants” organized by M.J.B Govt. PG Girls college Moti Tabela Indore(M.P)
5. **2020** Participation in National e-short term course on “Nature’s altruism and our contribution” organized by Shri Neelkantheshwar Govt. Post Graduate College.
6. **2020** Participation in National online short term course on “Organ function test: A clinical health guide” organized by M.J.B Govt. PG Girls college Moti Tabela Indore(M.P)
7. **2020** Participation in Faculty Development Programme on “Research Article Writing and Online Academic Presentation” organized by Govt. Girls PG College Ujjain(M.P).

Major Social Engagements

- Active Participation for “42 days: Yoga Prashikshak Training Camp Organized by Higher Education Department and Kaivalyadham Yoga Training Centre at Govt. MadhavVigyanMahavidyala Ujjain (M.P)
- In Session, 2007 appointed as Programme Officer of N.S.S. Girls (Unit 2) of College. Organized eye camp, dental camp, awareness campaign against smoking and alcohol during this time.
- Active member in Ananya, Eco Club, Jeevan Rakshak club in Govt. Madhav Science PG College.

Teaching Learning Pedagogy

- Offline classes through chalk-board, visualizer and overhead projectors.
- Online classes through Google Meet using Power Point Presentation.
- Notes sharing through Google classroom and WhatsApp.
- Group discussion, Quizzes, Assignments and CCE for Internal Assessment.
- Project work during the courses which are beneficial for job prospects of the students.
- Experimental teaching with the help of practicals and demonstrations.