

Dr. MANISHITA MUKHERJI

Improving Performance • Enhancing Programs • Inspiring Systemic Change

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EXPERIENCED EDUCATOR

...dedicated to guiding students to succeed while inspiring an insatiable passion for learning and reading

Visionary Leader, Bridge Builder and Licensed Educator with a PhD Degree coupled with around 6 years experience instructing graduate students, securing resources, and implementing effective programs.

SUMMARY

- Around 7 Years experience in Teaching, Research and Development.
- Received and worked on Project funded by UGC
- Presented and published papers in National and International Conference proceedings and Journals on Bio monitoring of wetlands, Biodiversity, Water pollution & Eutrophication
- Member, IACSIT Environmental Science Society , Singapore
- Senior Member, Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEEES) , Singapore

PROFESSIONAL EXPERIENCE

[July 2011- till date] Amity Institute of Biotechnology , Amity University Rajasthan, Jaipur, Rajasthan , India.

Designation Assistant Professor

[March 2010- June 2011] Institute of Science and Technology for Advanced Studies and Research (ISTAR) Vallabh Vidyanagar, Anand , Gujarat, India.

Designation Research Scholar

[June 2004 – February 2010] Natubhai V. Patel College of Pure and Applied Sciences, Vallabh Vidyanagar, Gujarat. (Accredited A Grade by NAAC)

Designation Lecturer

Responsibilities

- Involved in NAAC accreditation process
- Worked as a team member of the “Foreign Collaboration” Committee for ISO 9001: 2000, certification.
- Worked as a team member of “Industrial training, visits and placement cell”, Committee for ISO 9001: 2000.
- Imparted lessons in Environmental Science to students of under graduate programme.
- Covering topics - Environmental Biotechnology and Microbiology, Toxicology, Pollution and Management, Policies, Ecology, Earth Science Systems and Natural resource conservation and management.
- Fair distinction in having tutored batches of students and crediting with their success
- Guided and guiding more than Eight under graduate dissertation projects
- Worked as the ex-officio of “Nature Club” portfolio
- Arranged academic- industry interact programmes
- Worked as visiting in AD Patel Institute of Technology, New Vidyanagar, Gujarat
- Worked as a team member for curriculum design for Environmental Sciences of Sardar Patel University, Vallabh

Vidyanagar, Gujarat

- Worked as a team member in organizing National and state level symposia- New Horizons in Biological Sciences in 2007 and Current Trends in Environmental Sciences in 2008.

EDUCATION

[2012] Sardar Patel University, Vallabh Vidyanagar, Gujarat, INDIA

PhD

[2004] Sardar Patel University, Vallabh Vidyanagar, Gujarat,, INDIA

M.Sc.(Environmental Science) with 80.4 %

[2002] Sardar Patel University, Vallabh Vidyanagar, Gujarat,, INDIA

B.Sc.(Environmental Science) with 82 %

INSTRUMENTAL SKILLS

Inductively coupled Plasma Analyzer, Flame Photometer, High Volume Air Sampler, Centrifuge, etc.

TECHNIQUES KNOWN

Water, Soil, Air and Wastewater Quality monitoring, Bioassay, Tissue Culture, Chromatography, Microscopy, etc.

WORKSHOP/CONFERENCE/SYMPOSIA/SEMINAR ATTENDED

- **National Symposium on Sustainable Development : Issues And Concerns (Jan 22, 2011)** organized by Department of Biological and Environmental Sciences, Natubhai V.Patel College of Pure and Applied Sciences at Vallabh Vidyanagar and Gujarat Council on Science and Technology, Gandhinagar at Vallabh Vidyanagar, INDIA) .
- **National Workshop on “Chemical Safety in Industry”, (Sept 19, 2009)** organized by Post graduate Department of Industrial Hygiene and Safety, Institute of Science and Technology for Advanced Studies and Research (ISTAR), co sponsored by Central Industrial Hygiene Association, India (CIHA) and 3M India Ltd, Bangalore at Vallabh Vidyanagar, Gujarat.
- **State Level Seminar on “Importance of Trees in Conservation of Avian Diversity (ITCAD – 2009)”, (Sept 13, 2009)** organized by Dept of Zoology, M.S. University, Baroda in collaboration with Bird Conservation Society, Gujarat (BCSG), at M. S. University, Vadodara, Gujarat.
- **Workshop on “LATEX- A smart way of preparing Research Papers and Thesis” (Aug 27, 2009)** organized by Dept of Information Technology and Computer Engineering , A D Patel Institute of Technology at New Vallabh Vidya Nagar, Gujarat.
- **International Symposium on “Environmental Pollution, Ecology and Human Health” (July 25-28, 2009)** organized by Department of Zoology, S.V. University, Tirupati, in collaboration with United States Environmental Protection Agency, USA, Savannah State University, Savannah, USA, Division of Pharmacology and Toxicology, DRDE, Gwalior at Tirupati, Andhra Pradesh.
- **National Seminar on “Environmental Scenario in Future”, (Jan 24, 2009)** organized by C. U. Shah Science College, at Ahmedabad, Gujarat.

- **National Conference of NEA on “Environmental Science and Technology for Sustainable development”, (Jan 18-20, 2009)** organized by IQAC, Govt. College for Women at Srikakulam, Andhra Pradesh.
- **National Symposium on “LAKES 2008: Symposium on conservation and management of river and lake eco-systems”, (Dec 22-24, 2008)** organized by Centre for Ecological Studies, IISc at Bangalore, Karnataka.
- **National Seminar on “Taxonomy Teaching and Research: The Relevance in the National Context”, (Sept 27, 2008)** organized by Shri R.K.Parikh Arts and Science College, at Petlad, Gujarat.
- **State Level Seminar on “ Current Trends in Environmental Sciences” , (Sept 20, 2008)** organized by Department of Biological and Environmental Sciences, N.V.Patel College of Pure and Applied Sciences at Vallabh Vidyanagar, Gujarat.
- **National Level Seminar on “New Horizons in Biological Sciences”, (Sept 23, 2007)** organized by Department of Bio-Sciences, N.V.Patel College of Pure and Applied Sciences at Vallabh Vidyanagar, Gujarat.
- **Regional “Second Annual GSA-CSC VVN, Science Meet-2007”, (Feb 11,2007)** organized by Community Science Centre, Sardar Patel University and Chapter of Gujarat Science Academy , at Vallabh Vidyanagar, Gujarat.
- **International Conference on “Exploring Horizons in Biotechnology: A Global Venture”, (Nov 2-4, 2006)** organized by BRD School of Biosciences, Sardar Patel University and Charutar Vidya Mandal, at Vallabh Vidyanagar, Gujarat.
- **Workshop on “Enhancing classroom effectiveness”, (Oct 6-7,2006)** organized by “Waymade college of Education” at “Waymade College of Education”, at Vallabh Vidyanagar, Gujarat.
- **State level Seminar on “Scouting and Documenting Traditional Knowledge”, (Mar 28,2006)** organized by M. S.University, Baroda in collaboration with National Innovation Foundation, IIM, Ahmedabad, at M. S. University, Vadodara, Gujarat.
- **“Gujarat Science Congress 2006”, (Mar 26,2006)** organized by Gujarat University, Ahmedabad and Gujarat Science Academy, at Gujarat University, Ahmedabad, Gujarat.
- **National Workshop on “Pollution: Anthropogenic Disaster”, (Mar 4, 2006)** organized by “B & B Institute of Technology” at “B & B Institute of Technology”, at Vallabh Vidyanagar, Gujarat.

PUBLICATIONS

PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS

- **“Application of a multivariate technique for analysis of seasonal variations in water quality of a sewage-fed wetland -Khodiyar, Gujarat, India”** , presented at “National Symposium on Sustainable Development : Issues And Concerns” organized by Department of Biological and Environmental Sciences, Natubhai V.Patel College of Pure and Applied Sciences at Vallabh Vidyanagar and Gujarat Council on Science and Technology, Gandhinagar at Vallabh Vidyanagar, INDIA (Jan 22, 2011) .
- **“Spatial and temporal patterns of waterbird abundance and species richness in a sewage fed wetland, Khodiyar, Gujarat, India”** presented at “International Symposium on Environmental

Pollution, Ecology and Human Health” organized by “Department of Zoology, S.V. University, Tirupati, in collaboration with United States Environmental Protection Agency, USA, Savannah State University, Savannah, USA, Division of Pharmacology and Toxicology, DRDE, Gwalior” at Tirupati, Andhra Pradesh, INDIA (July 25-28, 2009)

- **“Temporal and Spatial variations in hydro- chemical properties of a sewage-fed wetland, Khodiyar, Gujarat, India”** presented at “3rd National Conference of NEA on Environmental Science and Technology for Sustainable development”, organized by “IQAC, Govt. College for Women”, at Srikakulam, Andhra Pradesh, INDIA (Jan 18-20, 2009)
- **“Heavy metal contamination of selected aquatic macrophytes in two distinct seasons: a case study of Varasda wetland, Gujarat, India”**, presented at “Lakes 2008: Symposium on conservation and management of river and lake eco-systems” organized by “Centre for Ecological Studies, IISC”, at Indian Institute of Sciences(IISc), Bangalore, Karnataka, INDIA (Dec 22-24, 2008)
- **“Characterization studies of sugar mill effluent”**, presented at “State Level Seminar on Current trends in Environmental sciences ”, organized by Department of Biological and Environmental Sciences, Natubhai V.Patel College of Pure and Applied Sciences at Vallabh Vidyanagar, Gujarat, INDIA (Sept 20, 2008)
- **“Treatability studies of sugar mill effluent”**, presented at “3rd BRSI Convention and International Conference on Exploring Horizons in Biotechnology: A global Venture” jointly organized by “BRD School of Biosciences, S.P. University and Charutar Vidya Mandal (CVM)” at Vallabh Vidyanagar, INDIA (Nov 2-4, 2006)

PAPERS PUBLISHED IN JOURNAL

- **“Temporal and spatial variations in hydro- chemical properties of a sewage-fed wetland, Khodiyar, Gujarat, India”** *The Ecoscan : An International Biannual Journal of Environmental Science*, Vol 2(2), pp: 195-201,2008.
- **“Patterns spatial and temporal of waterbird abundance and species richness in a sewage fed wetland, Khodiyar, Gujarat, India”** *Berkut-Ukrainian Journal of Ornithology, Ukraine*, Vol . 19 (1&2), pp: 49-59, 2010.
- **“Assessment of hydro-chemical characteristics of a tropical wetland system using Principal Component Analysis: A case study”** , *IUP Journal of Environmental Sciences , Hyderabad* , Vol 5(1), pp: 37-50 , 2011.(Also available at ***Social Science Research Network e-library, USA***)
- **“Assessment of Heavy Metal Pollution in Macrophytes, Water and Sediment of a Tropical Wetland System Using Hierarchical Cluster Analysis Technique”** , *Journal of International Environmental Application & Science, Turkey*, Vol. 6(1), pp 149-156, 2011.
- **“Assessment of zooplankton diversity of a tropical wetland system”**, *International Journal of Pharmacy & Life Sciences, India* , Vol. 2, No. 8, pp 983-990,2011.
- **“Influence of water quality on composition and seasonal abundance of phytoplankton community in Thol wetland, Gujarat, India”**, accepted for publication, *International Journal of Nature*,

Environment and Pollution Technology, Vol 10 (3), pp: 399-404, 2011.

- **“Heavy Metal Contamination of Selected Aquatic Macrophytes in Two Distinct Seasons: A Case Study of Varasda Wetland, Gujarat, India”**, accepted for publication, *Turkish Journal of Science and Technology, Turkey*, Vol. 7, No. 1, pp:7-17, 2012.
- **“Trace Metal Contents in Water, Sediment and Hydrophytes at a Freshwater Wetland in Central Gujarat, India”**, *Bulletin of Environmental and Scientific Research*, Vol. 1, No. 1, pp 16-24 2012.

PROJECTS

- Received a Minor Research Project from UGC, Pune of Rs.55,000/- on the topic “Bio monitoring studies of certain Wetlands of Central Gujarat with reference nutrient status”, from 2008-2010.
- Team member in NIF, IIM (Ahmadabad) funded project, worth Rs.50,000/-, for Documenting Traditional Knowledge in Dang Forest, Gujarat

PERSONAL DETAILS

- Date of Birth : October 19th, 1980
- Spouse’s Name : Mr. Rana Mukherji
- Marital Status : Married
- Language Known : English, Hindi, Bengali, Gujarati, Punjabi

PERSONAL QUALITIES

I do believe that I possess almost all the requisite qualities to be a progressive person, be it smart work, sincerity, energetic & dedicated person believes in Team Spirit and God. In addition I believe to update myself by acquiring new skills and knowledge which is the key ingredient to grow and develop in entirety. My strengths include, as a desire to do new things by accepting challenges helped me to grow.

ACHIEVEMENTS

- Received Best Paper Award in **National Symposium on Sustainable Development : Issues And Concerns** organized by Department of Biological and Environmental Sciences, Natubhai V.Patel College of Pure and Applied Sciences at Vallabh Vidyanagar and Gujarat Council on Science and Technology, Gandhinagar at Vallabh Vidyanagar, INDIA (Jan 22, 2011) .
- Received a Minor research project from UGC
- Recognized Examiner for Sardar Patel University, Vallabh Vidyanagar, Gujarat
- Team member in NIF, IIM (Amehabad) funded project, Documenting Traditional Knowledge in Dang Forest, Gujarat
- Participated in the “Bird Census” at Nalsarovar” (a proposed Ramsar site),Gujarat
- **University Gold Medalist** in the subject of Environmental Sciences in the year 2004

REFERENCES

- **Prof. Nirmal Kumar, Head of Department, M. Sc. Environmental Science and Technology**, Institute of Science and Technology for Advanced Studies and Research, Vallabh Vidyanagar, Anand, Gujarat.
- **Dr. Rita Kumar (Head of Biosciences and Environmental Science Department)** N. V. Patel College of Pure and Applied Sciences, Vallabh Vidyanagar, Anand, Gujarat.

Date: 06/11/12

Place: Jaipur, INDIA

(Manishita Das Mukherji)