

## CHAPTER 8

### CREDENTIALS, PUBLICATIONS, PARTICIPATIONS AND PRESENTATIONS

#### *List of Publications*

1. Bhadrecha, M. H., Nitasha Khatri, and Sanjiv Tyagi, (2016). 'Rapid integrated water quality evaluation of Mahisagar river using benthic macroinvertebrates.' Environmental monitoring and assessment 188:254, 1-8.
2. Bhadrecha Mahendra H., Mankodi Pradeep C., (2017). 'In situ measurement of primary production and production respiration ratio of Thol Wetland, Mehsana, Gujarat, India' International Research Journal of Environmental Sciences, Vol. 6(3), 43-49.
3. Bhadrecha Mahendra H., Mankodi Pradeep C., (2018). 'Water Quality Index of Thol Wetland, Mehsana, Gujarat, India' International Research Journal of Environmental Sciences, Vol. 7(6), 19-24.
4. Bhadrecha Mahendra H., Mankodi Pradeep C., 'Rapid Integrated Water Quality Evaluation of Thol Wetland Using Benthic Macro Invertebrates' – Submitted (on 16.02.2018) through proper channel for publication in the Journal of The Maharaja Sayajirao University of Baroda (Science and Technology) – manuscript accepted for publication in Year 2019.

#### *List of participation*

1. Took part in Inter – Laboratory Comparison exercise conducted by Central Pollution Control Board for taxonomic identification of benthic macro-invertebrates used for Bio-monitoring of surface waters. Various Pollution Control Boards of the country had

taken part in the exercise. Achieved Excellent Z- score for the exercise. (Ref: CPCB letter F.No.C-11013/21/Bio-lab/16-17/4151 dated 08.09.2016). A letter of recognition of this work was also issued by the Deputy Chief Environmental Scientist, GPCB in this regard vide GPCB letter no. GPCB/CL/Bio-monitoring 533(2)/375191 dated 09.11.2016,

2. Co authored for the Oral presentation titled 'Biomonitoring of water Bodies using Benthic Macro invertebrates as bio indicator of water quality' presented by Nirav kumar K. Dabhi at National Conference on Recent Advances in Environmental Sciences and Engineering Technologies RAESSET - 2016 organised by Department of Civil Engineering, JIET, Jodhpur during November 21 -22, 2016.
3. Participated in 1-Day Wetland & 4 Days Wetland Techniques Training Workshop during 12 to 16 December 2016, organized by Gujarat Ecological Education and Research (GEER) Foundation, Gandhinagar. International Expert Dr. James T. Anderson, Davis Michael Professor of Forestry and Natural Resources, Division of Forestry and Natural Resources, West Virginia University, USA was the mentor during the workshop.
4. Participated in Environmental Researchers' Meet 2017 held on 05 June 2017 at Mahatma Mandir Gandhinagar and as a speaker delivered a presentation on Concepts of Bio Monitoring and Primary Production for Water Quality Assessment of Natural Water Bodies. The Meet was organized by Gujarat Environment Management Institute & Gujarat Pollution Control Board, Gandhinagar.
5. Worked as an external guide for the Dissertation work of Mr. Nirav Dabhi, a second year student of ME (Environment Management), L. D. Engineering College for the

topic titled 'Biomonitoring of Sabarmati river front stretch for water quality assessment using Benthic Macroinvertebrates'. The Dissertation work got successfully completed on 29 June 2017.

6. Delivered a lecture on 'Concepts of Bio Monitoring for Water Quality Assessment of Natural Water Bodies' for the benefit of the M.Sc. Environmental Science Students of Department of Environmental Studies, The Maharaja Sayajirao University of Baroda, Vadodara on 12 Aug 2017 so as to popularize the concept among the Students / Research Scholars.
7. Worked as external guide for the Dissertation work of Mr. Viral Chaudhari, a second year student of ME (Environment Management), L. D. Engineering College for the topic titled 'Biomonitoring of Fatehwadi Canal using Benthic Macro Invertebrates for irrigation water quality assessment' The permission is granted vide GPCB letter no. GPCB/ICZMP/C-18/423937 dated 25 Sept 2017. The Dissertation work got successfully completed in May 2018.
8. Delivered lecture and practical field demonstration (at Thol Wetland, Mehsana) on 'Introduction to Field Collection, Classification and Identification of Benthic Macroinvertebrates' to **IFS officers** from across the country on 06<sup>th</sup> and 8<sup>th</sup> Nov 2017 during the One-week Residential Training Course on Environmental Methods for Water Quality Restoration. The course was organized by Gujarat Environment Management Institute, Gandhinagar.
9. Participated in 1-Day Wetland Seminar & 4 Days Training Workshop on 'Concepts and Techniques of Landscape Ecology in wetland Research' held during 01 to 05 Jan 2018, organized by Gujarat Ecological Education and Research (GEER) Foundation,

Gandhinagar. International Expert Dr. Jeff Hepinstall Professor, Landscape ecology, University of Georgia, USA was the mentor during the workshop.

10. Participated in the National Seminar on Environment, Pollution and Climate Change (EPCC 2018) held on 30 Jan 2018 and Co authored for the Oral presentation titled 'Integrated Water Quality Assessment using Benthic Macroinvertebrates' presented by Viral kumar B. Caudhari during the National Seminar jointly organised by Department of Environmental Science & Technology, Institute of Science & Technology for Advanced Studies & Research (ISTAR) and Department of Biological & Environmental Science, N. V. Patel College of Pure & Applied Science, Vallabh Vidhyanagar.
11. Delivered lecture and practical field demonstration (at Mokarsagar Wetland, Porbandar) on Concept of Bio Monitoring: Water Quality Assessment of Wetlands Using Benthic Macroinvertebrates during the 2-Days Wetland Workshop on "Exploring Planktons and Wetland Invertebrates-A Food base for Water birds" Organized by Gujarat Ecological Education and Research Foundation, Gandhinagar during 31 Jan - 01 Feb, 2018.
12. Participated in World Wetland Day Celebration Organized by Gujarat Ecological Education and Research Foundation, Gandhinagar on 02 Feb 2018 at Porbandar.
13. Participated in the National Conference on Pollution Management (NCPM-2018) and made the Oral presentation titled 'Rapid Integrated Water Quality Evaluation of Thol Wetland Using Benthic Macroinvertebrates' at the National Conference organised by the Department of Environmental studies, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara on 03 Feb 2018.