



**Dr. Mrs. Bashida Massar,
Associate Professor, Zoology Department**

ACADEMIC QUALIFICATIONS: MSc (Zoology), Ph.D.

PhD:

“Histological and Ultra-structural Changes in some Vital Organs of Common Carp (*Cyprinus carpio*) from Umiam Lake”, Gauhati University

Research Interest: Fish diversity and Conservation, Environmental Sciences

OTHER QUALIFICATIONS: UGC-CSIR NET

PROJECTS:

Completed:

1. Histological and Ultra-structural Changes in some Vital Organs of Common Carp (*Cyprinus carpio*) from Umiam Lake (UGC funded).
2. Documentation of animal species of Rymben river in Meghalaya, India (UGC funded)

PUBLICATIONS (2014-2018):

1. Massar, B., Dey, S. & Dutta, K. (2014). Structural Changes in Kidneys of Common Carp (*Cyprinus carpio* L.) Inhabiting a Polluted Reservoir, Umiam in Meghalaya, India. *Journal of Advanced Microscopy Research* 9: 1 – 5.
2. Massar, B., Dey, S. & Dutta, K. (2014). Micro Structure Analysis of the Ovaries of Common carp, *Cyprinus carpio* L. inhabiting a Polluted Reservoir, Umiam in Meghalaya, India. *Microsc. Microanal.* 20: 1404–1410.
3. Massar, B. (2015). Scanning Electron Microscopy of Adhesive Apparatus of *Garra lissorhynchus* (McClelland) of Meghalaya, India. *International Research Journal of Biological Sciences* 4(2), 48-53.

4. Saha, S., Jyrwa, L.C., Lynser, M. B., Kharchandi, D., Dohling, B., Khongwir, S., Massar, B., Saha, A., Rynjah, P., Kharbyngar, B., Kharjana, B., Kharbuddon, J., Pariong, I., Syngkli, S., Shabong, R. & Kharkongor, A. R. (2016). Filling in the Gaps for Aquatic Ecosystem Conservation –Biomonitoring for Baseline Information and Capacity Building in Meghalaya, India. *Journal of Ecological Society*, 29: 9-26

SEMINARS AND WORKSHOPS ATTENDED (2014-2018):

1. Participated in the Training on “Tools for Conservation of Freshwater Ecosystems: A course to build capacity in Northeast India”, Shillong college, Shillong in collaboration with the Rufford Foundation for Nature Conservation, UK, 14 - 21 July, 2014
2. Participated in the National Seminar on “Recent Trends in Science & Technology”, Union Christian College, Shillong, Meghalaya, India, 24th-26th Sep, 2014.
3. Participated in the International Conference of Electron Microscope Society of India (EMSI), EMSI & BARC, CIDCO, Mumbai India, 8-10 July, 2015.
4. Participated in the National seminar on “Aquaculture in North-East Region: Realities, Potentials and Challenges”, Department of Fishery Science, St. Anthony’s college, Shillong, 25th - 26th August 2015.
5. Attended the Training Workshop on “Field Hydrology and Basic Data Analysis” organised by Ashoka Trust for Research in Ecology and Environment (ATREE) and the Foundation for Ecological Research, Advocacy and Learning (FERAL) held at Shillong from 22nd to 24th February, 2016.
6. Participated in the STEM Teacher Training Workshop on Research Based Pedagogical Tools organised by IISER Pune, Newton Babha Fund of British Council, sponsored by DBT, MHRD Govt. of India at Teaching Learning Centre, Tezpur University, 27-30 January, 2017.
7. Participated in the Symposium on Faunal Diversity and Ecophysiology, Department of Zoology (under DSA Phase II Programme), North Eastern Hill University, Shillong, 30th March, 2016
8. Participated in the International Conference of the Society for Fresh water Science (SFS), Sacramento California, USA, 21-26 May, 2016

PRESENTATIONS IN SEMINARS, WORKSHOPS, CONFERENCES AND OTHERS (2014-2018):

1. Poster paper presentation in the National Seminar on “Recent Trends in Science & Technology”, Union Christian College, Shillong, Meghalaya, India, 24th-26th Sep, 2014.
2. Poster paper presentation during the International Conference of Electron Microscope Society of India (EMSI), EMSI & BARC, CIDCO, Mumbai India, 8-10 July, 2015.
3. Poster paper presentation in the National seminar on “Aquaculture in North-East Region: Realities, Potentials and Challenges”, Department of Fishery Science, St. Anthony’s college, Shillong, 25th - 26th August 2015.
4. Oral paper presentation during the International Conference on “Water Resource Management in the Eastern Himalayan Region” (ICWRM–2015), Department of Zoology, St. Anthony’s college in

collaboration with Water Resources Development Agency, Govt. of Meghalaya, 4th – 5th November 2015

5. Oral paper presentation during the Symposium on Faunal Diversity and Ecophysiology, Department of Zoology (under DSA Phase II Programme), North Eastern Hill University, Shillong, 30th March, 2016
6. Paper presentation during the International Conference of the Society for Fresh water Science (SFS), Sacramento California, USA, 21-26 May, 2016

INVITED TALKS (2014-2018):

1. "Microscopy and Microanalysis of hematological parameters in common carp, *Cyprinus carpio*, inhabiting a polluted lake in North East India" during the BIT 3rd Annual conference and Expo of Analytix 2014, BIT Life Sciences, Dalian, China, 25th - 28th Apr, 2014.
2. "Community based Conservation of Fishes" during the Rally for Umngi: A river Conservation Movement" on 20.10.2017 at Synod College, Shillong, Meghalaya, India.
3. "Problems and prospects of fish Conservation in Northeast India" at Mahatma Gandhi University (MGU), Kottayam, Kerala. 3.11.2017.

WORKSHOPS, SEMINARS AND OTHERS ORGANISED AND CO-ORDINATED (2014-2018):

1. Coordinated in the International Conference on "Water Resource Management in the Eastern Himalayan Region" (ICWRM-2015), Department of Zoology, St. Anthony's college in collaboration with Water Resources Development Agency, Govt. of Meghalaya, 4th – 5th November 2015.
2. Workshop on Micronucleus Assay, on 15-16th March, 2016 - Funded by Department of Zoology, St. Anthony's College, Shillong.