

FACULTY PROFILE

Name : Dr. Bibhas Guha
Designation : Assistant Professor of Zoology
School/ Department : School of Sciences
Qualification : M.Sc., Ph.D
Specialization : Fish and Fisheries
Work Experience :



Teaching: More than 8 years' teaching experience at both Under Graduate and Post Graduate level in Zoology.

Research: More than 14 years' research experience in the area of induced mutagenesis and anti-mutagenesis (by the use of vitamins and plant products), genotoxicity and pesticide toxicity in fish, arsenic toxicity in man and carcinogenesis in mice.

Other Position held :

- Member of the curriculum development committee for school of biodiversity and conservation of natural resources, Central University of Orissa.
- Life Member of the Zoological Society, Calcutta University.
- Member of the U.G and P.G Board of Studies in Zoology.
- Acted as the Convener, Students Grievance Cell of Netaji Subhas Open University from 15.12.2009 to 31.7.2010
- Acted as a Course Coordinator of a 6- month Certificate course on “Cultivation of Herbal Medicinal Plants and Vermicomposting Technology” of Netaji Subhas Open University, Kolkata.

Research Project:

Completed two research project (one year each) funded by Netaji Subhas Open University (**Total cost:** 2.5 lakhs).

Research Guidance :

One (Title of Thesis: Determination of better aquaculture techniques for ecologically sustainable shrimp culture in brackish water ponds of West Bengal)

Publication:

- **Book:** “Probable Questions in Environmental Science” for B. Sc. level students from J. Publications, Kolkata-30.
- **Select Papers in National/ International Conferences/ Workshop**

Khuda-Bukhsh AR, Banerjee A, Biswas SJ, Roy Karmakar S, Banerjee P, Pathak S, **Guha B**, Haque S, Das D, De A, Das D, Boujedaini N (2011). An initial report on the efficacy of a millesimal potency Arsenicum Album LM 0/3 in ameliorating arsenic toxicity in humans living in a high-risk arsenic village, *Journal of Chinese Integrative Medicine*, 9 (6): 596-604

Guha B, Biswas R & Mondal K (2011). Use of vermicompost as a diet for the Indian Catfish *Heteropneustes fossilis* (Bloch), *Pollution Research*, 30(1): 23-25.

Belon P, Banerjee A, Roy Karmakar S, Biswas SJ, Chaki Choudhury S, Banerjee P, Das JK, Pathak S, **Guha B**, Paul S, Bhattacharyya N, Khuda-Bukhsh AR (2007). Homeopathic remedy for arsenic toxicity?: Evidence-based findings from a randomised placebo-controlled double blind trail. *Science of the Total Environment*, 384:141-150.

Guha B, Das J K & Khuda-Bukhsh AR (2007). Ameliorative effects of vitamin supplementation on ethyl methane sulphonate-induced genotoxicity in a fish *Anabas testudineus*. *Ecotoxicology and Environmental Safety*, 68:63-70.

Guha B & Khuda-Bukhsh AR (2004). Assessment of relative efficacy of different doses of two vitamins showing potentials of ameliorating EMS-induced proteotoxicity in a fish, *Anabas testudineus*. *Indian Journal of Fisheries*, 51(4): 441-449.

Guha B & Khuda-Bukhsh AR (2003). Ameliorating effect of β -carotene on Ethyl Methane Sulphonate (EMS) induced genotoxicity in a fish, *Oreochromis mossambicus*. *Mutation Research*, Elsevier Science, 542 (1&2): 1-13.

Mallick P, Chakraborty J, **Guha B** & Khuda-Bukhsh AR (2003). Ameliorating effect of microdoses of a potentized homeopathic drug, Arsenicum Album, on arsenic-induced toxicity in mice. *Bio-Med Central Complementary and Alternative Medicines*, 3(7): 1-19.

Guha B & Khuda-Bukhsh AR (2002). Efficacy of vitamin-C (L-ascorbic acid) in reducing genotoxicity in fish (*Oreochromis mossambicus*) induced by ethyl methane sulphonate. *Chemosphere*, Elsevier Science, 47: 49-56.

Guha B & Khuda-Bukhsh AR (2002). Assessment of EMS-induced genotoxicity in the Indian climbing perch, *Anabas testudineus* : Cytogenetical vis-à-vis protein endpoints. *Indian Journal of Experimental Biology*, 40: 1285-1294.

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