

PERSONAL PROFILE

Name : ABHIJIT BANDYOPADHYAY

Designation : Assistant / Associate Professor

Department : ZOOLOGY

Academic Qualification : B.Sc, B.Ed., MSc., PhD

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Personal Profile including :

a) Biography

Abhijit Bandyopadhyay, (MSc, B.Ed, PhD, MZSI, MAICCG, MZSEI): PhD from Burdwan University. About ten years of teaching experience. Served Asansol Girls College, TDB College, KNI College as guest faculty and presently Assistant Professor of Zoology at MUC Women's College, Burdwan-713104, West Bengal, India. Research interest: Cancer Biology & Toxicological studies.

b) Research activity

Past Research program:

- State Govt. funded research on Carboplatin induced Cytotoxicity assay in bone marrow cells of normal and tumor bearing Swiss albino mice and its modulation by antibiotic, antifungal and chemopreventive agents (Completed)

Present Research program:

- UGC Minor Research Project on Arsenic cytotoxicity assay in Katwa block II in Burdwan district (Grant No. F.PSW-16/12-13 (ERO) dated 05.02.13) (ongoing)
- Departmental project on application of comet assay on *in vivo* genotoxicity assessment of arsenicals in both plant and animal (ongoing)

Future research plan:

- Standardization of Plant protoplast isolation for *ex vivo* toxicity assay
- Study of Arsenic-DNA interaction in proliferating and non-proliferating cells

c) List of Publication

1. Bandyopadhyay A. and Chakrabarti S. (2007), Cytotoxicity of Platinated Anticancer Drug on Bone Marrow Cell of Swiss Albino Mice And It Modulation by An Antifungal Agent; *J. Environ & Sociobiol.* : 4(1):19-24
2. Bandyopadhyay A., (2016), Role of oxidative stress in Arsenic(III) induced Genotoxicity in cells of meristematic tissue of *Allium cepa*: An in vivo study, *Materials Today: Proceedings*, Vol. 3(10, Part A); 3194-3199. (ISSN: 2214-7853) (International)
3. Bandyopadhyay A., (2015), Cytogenetic Responses of Plant Root Meristematic Cells to the Arsenic (III) Contaminated Groundwater in Eastern Parts of Burdwan District, W.B., India, *International Journal of Plant and Environment*, 1(1); 79-84. (ISSN: 2454-1117) (International)
4. Bandyopadhyay A., (2015), Toxicity Assessment of Arsenic in Groundwater in Katwa block II in Burdwan District at cellular and Genetic Levels: An *in vivo* approach, *Environment: Pollution & Protection*, 97-106. (ISBN: 978-81-8487-410-5) (National)
5. Bandyopadhyay A., (2014), Assessment of Groundwater Borne Arsenic Uptake by Proliferative Plant Tissue in the Burdwan District, West Bengal and Study of its impact on Nuclear Material: an in vivo Study, *ENVIRONICA*, vol: 1, 26-31. (ISBN: 978-93-84106-14-0) (International)
6. Bandyopadhyay A., (2014), In Vivo Mitotic Inhibition Study of Arsenic contaminated Groundwater in a Eukaryotic System, *impact of Pollution: Assessment and Awareness*, 34 – 39. (ISBN: 81-921083-8-4) (State)
7. Bandyopadhyay A., (2013), Evaluation of Mutagenic Potential of Arsenic in Groundwater using Cytotoxicity and Genotoxicity Biomarkers, *Perspectives in Cytology and Genetics*, 16: 91-99. (ISBN: Nil) (National)
 - Book:
 - Bandyopadhyay A., (2013), Carboplatin Induced Cytotoxicity: and it's Modulation by Three Diverse Agents, (**Monograph**) Lambert Academic Publication, (ISBN: 978-3-659-44549-1) (International)
 - Bandyopadhyay A., (2013), Arsenic Pollution Environmental, Physiological, Cellular and Molecular Perspectives (**Monograph**) Lambert Academic Publication, (ISBN:978-3-659-51326-8) (International)

d) Patent or any other achievement/s or information

- No patent as on Dec. 2016
- Attended and paper presented in nearly sixteen national seminars on diverse topics, one international symposium and one workshop on application of radioactive elements in biological research.
- Supervised a number of summer projects of UG students from biotechnology departments, BIMS, BU.
- Acted as resource person in
 - CTE Orientation Programme on 'Life Science' at Ramakrishna Mission Sikshanamandira, Belure in 2012
 - 11th All India Congress of Cytology and Genetics AND National Symposium on Gene, Environment and Health
 - Remedial coaching class in Bijoy Narayan Mahavidyalaya, Itachuna, Hooghly

Signature: