

FACULTY PROFILE

(as on 01.01.2016)

DR. PROSENJIT GHOSH, W.B.E.S.

M.SC. PH. D.

ASSISTANT PROFESSOR AND HEAD

DEPARTMENT OF ZOOLOGY

KALIGANJ GOVERNMENT COLLEGE

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A. ACADEMIC QUALIFICATIONS

- First Class First in B.SC (Zoology Honours) from Chakdaha College, University of Kalyani in 2005.
- First Class in M.SC in Zoology from University of Kalyani in 2007.
- Qualified GATE in 2007.
- Qualified NET (LS) in June, 2014.
- Qualified NET (JRF) in December, 2014.
- Qualified SET in 2014.
- Ph. D from Jadavpur University in 2015.

B. ACADEMIC DISTINCTIONS AND AWARDS

- Awarded Satish and Tulasi Manna Memorial Endowment Bronze Medal for obtaining highest marks in Zoology Honours at the Bachelor of Science (Honours) Examination for the year 2005 in University of Kalyani.

C. PROFESSIONAL HIERARCHY

NAME OF THE POST	INSTITUTION	NATURE OF POST
Junior Research Fellow	Chittaranjan National Cancer Institute, Kolkata	FULL TIME
Senior Research Fellow	Chittaranjan National Cancer Institute, Kolkata	FULL TIME
Guest Lecturer in Zoology	Chakdaha College	TEMPORARY
Head & Assistant Professor of Zoology (W.B.ES)	Kaliganj Government College	PERMANENT

D. TEACHING EXPERIENCE

- Guest Lecturer in Chakdaha College 10.09.2014 to 17.11.2015
- Assistant Professor of Zoology in the W.B.E.S at Kaliganj Government College from 18.11.2015 to till date.

E. OTHER PROFESSIONAL EXPERIENCES

- NONE

F. PRESENT ADMINISTRATIVE POST HELD:

Head Department of Zoology

G. AREA OF RESEARCH INTEREST

Cancer Biology, Cancer Chemoprevention, Cancer Chemotherapy.

H.TOPIC IN PH.D

“Prevention of Toxicity and Enhancement of Chemotherapeutic Efficacy of Antineoplastic Drugs by Organoselenium Compounds”

I. RESEARCH & PUBLICATIONS

PAPERS IN JOURNALS/PROCEEDINGS

- **Prosenjit Ghosh**, Somnath Singha Roy, Pramita Chakraborty, Sulekha Ghosh, Sudin Bhattacharya. Effects of organoselenium compound 2-(5-selenocyanatopentyl)-benzo[de]isoquinoline 1,3-dione on cisplatin induced nephrotoxicity and genotoxicity: an investigation of the influence of the compound on oxidative stress and antioxidant enzyme system. **Biometals**. 2013; 26:61–73.
- **Prosenjit Ghosh**, Somnath Singha Roy, Abhishek Basu, Arin Bhattacharjee and Sudin Bhattacharya. Sensitization of cisplatin therapy by a naphthalimide based organoselenium compound through modulation of antioxidant enzymes and p53 mediated apoptosis. **Free Radical Research**. 2015; 49: 453–471.
- **Prosenjit Ghosh**, Arin Bhattacharjee, Abhishek Basu, Somnath Singha Roy, and Sudin Bhattacharya. Attenuation of cyclophosphamide-induced pulmonary toxicity in Swiss albino mice by naphthalimide-based organoselenium compound 2-(5-selenocyanatopentyl)-benzo[de]isoquinoline 1,3-dione. **Pharm Biol**. 2015. 53:524–532.
- Somnath Singha Roy, **Prosenjit Ghosh**, Ugir Hossain Sk, Pramita Chakraborty, Jaydip Biswas, Syamsundar Mandal, Arin Bhattacharjee, Sudin Bhattacharya. Naphthalimide based novel organoselenocyanates: Finding less toxic forms of selenium that would retain protective efficacy. **Bioorg Med Chem Lett**. 2010; 20:6951–6955.
- Somnath Singha Roy, Pramita Chakraborty, **Prosenjit Ghosh**, Sulekha Ghosh, Jaydip Biswas, Sudin Bhattacharya. Influence of novel naphthalimide-based organoselenium on genotoxicity

induced by an alkylating agent: the role of reactive oxygen species and selenoenzymes. *Redox Rep.* 2012; 17:157–166.

- Arin Bhattacharjee, Abhishek Basu, **Prosenjit Ghosh**, Jaydip Biswas and Sudin Bhattacharya. Protective effect of Selenium nanoparticle against cyclophosphamide induced hepatotoxicity and genotoxicity in Swiss albino mice. *J Biomater Appl*; 2014; 29:303–317.
- Abhishek Basu, **Prosenjit Ghosh**, Arin Bhattacharjee, Arup Ranjan Patra and Sudin Bhattacharya. Prevention of myelosuppression and genotoxicity induced by cisplatin in murine bone marrow cells: Effect of an organovanadium compound vanadium(III)-L-cysteine. **Mutagenesis** (Accepted, DOI:10.1093/mutage/gev011).
- Abhishek Basu, Arin Bhattacharjee, Somnath Singha Roy, **Prosenjit Ghosh**, Pramita Chakraborty, Ila das and Sudin Bhattacharya. Vanadium as a chemoprotectant: effect of vanadium(III)-L-cysteine complex against cyclophosphamide-induced hepatotoxicity and genotoxicity in Swiss albino mice. **J Biol Inorg Chem.** 2014; 19:981–996.
- Somnath Singha Roy, Pramita Chakraborty, **Prosenjit Ghosh** and Sudin Bhattacharya. Micronutrient for Prevention of Cancer Chemotherapeutic Drugs Induced Damage and Cellular Toxicities, With Special Reference to Selenium. *Perspectives in Cytology and genetics.* 2011. 15 (123-138).

PAPERS PRESENTED IN ACADEMIC SEMINARS/CONFERENCE/WORKSHOP

Sr. No.	TOPIC OF THE SEMINAR	ORGANIZED AND SPONSORED BY	DATE	TITLE OF THE PAPER PRESENTED
1.	“Signaling Network and Cancer”.	Indian Association for Cancer Research sponsored International Symposium organized by Indian Institute of Chemical Biology, Kolkata.	6-9 February, 2011	Prevention of Cisplatin Induced Toxicity by Novel Naphthalimide Based Organoselenium Compound 2-(5-

				selenocyanatopentyl)- benzo[de]isoquinoline 1,3-dione <i>in vivo</i>
2.	"Cancer Awareness."	Indian Association for Cancer Research, West Bengal Chapter sponsored national Symposium organized by Chittaranjan National Cancer Institute, Kolkata.	November 07, 2014	Study of the Effect of a Naphthalimide Based Organoselenium Compound During Chemotherapy: Role of the Compound in Chemoprotection and Chemoenhancement of Cisplatin therapy in Mice Bearing Ehrlich Ascites Carcinoma Cells

J. MEMBERSHIP OF ASSOCIATIONS/SOCIETIES

- NONE

DATE: 01.01.2016

Prosenjit Ghosh