

Resume

Dr. Pramita Garai, M.Sc., Ph.D.



Personal Details

Sex- Female

Date of Birth: 24.03.1992

Nationality: Indian

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Kumore Pukur North, Sabujpally,

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Current Position: Assistant Professor, Department of Zoology, City College
(Affiliated to Calcutta University), 102/1 Raja Rammohan Sarani, Kolkata-700009.

Educational qualifications:

Course	University
B.Sc. in Zoology (Hons.), 2012.	Visva-Bharati University
M.Sc.in Biotechnology (Special Paper: Genomics), 2014.	Visva-Bharati University
Ph.D., Thesis topic- Regulation of GPI anchor biosynthesis genes and DNA damage response genes by Rtt109, a histone acetyltransferase, in <i>candida albicans</i> "	Jawaharlal Nehru University

Honors/Fellowships:

- 2012 - 1st class 3rd in B.Sc (Hons. Zoology) in Visva-Bharati University
- 2012 - 1st class 2nd in M.Sc (Biotechnology) in Visva-Bharati University
- 2012 – DBT Fellowship for qualifying Combined Biotechnology Entrance Examination
- 2013 – Qualified JAM
- 2013 – Summer Research Fellowship, Indian Academy of Sciences.
- 2014 - Qualified the CSIR NET-JRF.

Previous work experience:

NIL

Area of expertise and Research Interest:

Expertise: Genomics and Molecular Biology

Research Interest: Chromatin remodelling and Transcription Regulation

Publication:

List of Paper(s) Published in SCI / SCI(E) Journals [UGC Approved].

SI No.	Title of Paper	Name of the Authors	Name of the Journal	Page(s) Vol. & Year
1	Modulation of azole sensitivity and filamentation by <i>GPI15</i> , encoding a subunit of the first GPI biosynthetic enzyme, in <i>Candida albicans</i>	Priyanka Jain, Pramita Garai (Co-first author), Subhash Chandra Sethi, Nilofer Naqvi, Bhawna Yadav, Pravin Kumar, Sneha Lata Singh, Usha Yadav, Shilpi Bhatnagar, Rahul, Niti Puri, Rohini Muthuswami & Sneha Sudha Komath	Scientific Reports	1-16, 9, 2019
2	Fun30 and Rtt109 Mediate Epigenetic Regulation of the DNA Damage Response Pathway in <i>C. albicans</i>	Pramita Garai, Prashant Kumar Maurya, Himanshu Bhatt , Aarti Goyal, Sakshi Dewasthale, Meghna Gupta, Dominic Thangminlen Haokip, Rohini Muthuswami	Journal of Fungi	8, 559, 2022
3	Ras signaling activates glycosylphosphatidylinositol anchor biosynthesis <i>via</i> the GPI- <i>N</i> -acetylglucosaminyl transferase (GPI-GnT) in <i>Candida albicans</i>	Priyanka Jain, Subhash Chandra Sethi, Vavilala A. Pratyusha, Pramita Garai, Nilofer Naqvi, Sonali Singh, Kalpana Pawar, Niti Puri and Sneha Sudha Komath	Journal of Biological Chemistry	12222-12238, 293, 2018
4	Effect of Heavy Metals on Fishes: Toxicity and Bioaccumulation	Pramita Garai, Priyajit Banerjee, Pradip Mondal, Nimai Chandra Saha	Journal of Clinical Toxicology	1-10, 0, 2021
5	Nitrate- Induced Toxicity and Potential Attenuation of Behavioural and Stress Biomarkers in <i>Tubifex tubifex</i>	Pramita Garai · Priyajit Banerjee · Pramita Sharma · Pradip Mondal · Nimai Chandra Saha · Caterina Faggio	Int J Environ Res	1-12, 16 ,2022
6	Toxicological and therapeutic effects of neem (<i>Azadirachta indica</i>) leaf powder in hole-in-the-head (HITH) disease of fish <i>Anabas testudineus</i>	Pradip Mondal, Pramita Garai, Arnab Chatterjee, Nimai Chandra Saha	Aquaculture Research	715-723, 52, 2020
7	Therapeutic Effects of Metronidazole benzoate in Combination with Melatonin Diplomonad parasite Infection on <i>Anabas testudineus</i>	Pradip Mondal, Arnab Chatterjee, Pramita Garai, Avijit Mukherjee and Nimai Chandra Saha	Biosc. Biotech. Res. Comm	1993-2000, 13, 2020
8	Mechanistic insights to lactic and formic acid toxicity on benthic oligochaete worm	Pramita Garai , Priyajit Banerjee , Pramita Sharma , Arnab	Environ Sci Pollut Res	87319-87333, 29, 2022

	Tubifex tubifex	Chatterjee, Ritwick Bhattacharya, Nimai Chandra Saha		
9	Integrated multi-biomarker responses in Mozambique tilapia, <i>Oreochromis mossambicus</i> under acute and chronic Diazinon® exposures.	Shubhajit Saha, Nimai Chandra Saha, Arnab Chatterjee, Pramita Garai, Pramita Sharma, Lipika Patnaik, Susri Nayak, Kishore Dhara, Azubuike V. Chukwuka, Caterina Faggio	Chemistry and Ecology	235-255, 264, 2023
10	Behavioral toxicity, histopathological alterations and oxidative stress in <i>Tubifex tubifex</i> exposed to aromatic carboxylic acids- acetic acid and benzoic acid: A comparative time-dependent toxicity assessment	Pramita Sharma, Pramita Garai, Priyajit Banerjee, Shubhajit Saha, Azubuike V. Chukwuka, Soumendranath Chatterjee, Nimai Chandra Saha, Caterina Faggio	Science of The Total Environment	876, 2023
11	. A critical review on the effect of nitrate pollution in aquatic invertebrates and fish	Priyajit Banerjee, Pramita Garai, Nimai Chandra Saha, Shubhajit Saha, Pramita Sharma & Arpan Kumar Maiti	Water Air Soil Pollution	234, 2023
12	Formic acid induced acute toxicity and its sublethal effects on growth, behavioral pattern and oxidative stress parameters of the freshwater snail <i>Bellamyia bengalensis</i>	Pramita Garai, Pramita Sharma, Priyajit Banerjee, Arnab Chatterjee, Nimai Chandra Saha	Sci. and Cult	84-93, 89, 2023

Books: NIL

List of Participation in Seminar, Conference and Workshop

Invited Lectures: NIL

International/National:

Poster presentation titled “Co-regulation of Ergosterol and GPI-anchor biosynthesis by epigenetic regulator Rtt109 in *Candida albicans*” in EMBO/EMBL Symposium: Metabolism Meets Epigenetics (20th - 23rd November, 2019) at EMBL, Heidelberg, Germany.

Oral presentation titled “Transcriptional co-regulation of Ergosterol biosynthesis and GPI-GnT complex in *Candida albicans* is controlled by Histone Acetyltransferase: Rtt109” in Biosparks, 2019 at School of Life Sciences, JNU, New Delhi, INDIA.

Poster presentation titled “Transcriptional co-regulation of Ergosterol biosynthesis and GPI-GnT complex in *Candida albicans* is controlled by Histone Acetyltransferase: Rtt109” in International Congress of Cell Biology (Jan 27th – 31st 2018) at CCMB, Hyderabad, INDIA

Poster presentation titled “Transcriptional co-regulation of Ergosterol biosynthesis and GPI-GnT complex in *Candida albicans* is controlled by Histone Acetyltransferase: Rtt109” in 86th Annual Conference of Society of Biological Chemists (SBC-2017) (Nov 16th -19th 2017) at JNU, New Delhi, INDIA.

Workshop titled “Fundamentals of Combined Confocal Raman – AFM system” June 30th 2017, at JNU, New Delhi, INDIA.

Poster presentation titled “GPI anchor biosynthesis in *C. albicans*” on National Science Day (Feb 26th 2016) at JNU, New Delhi, INDIA.

Training on safe handling of radioactive sources in research applications during 3rd-6th November, 2015 at School of Life Sciences, JNU, New Delhi, INDIA.

Participation on “56th Annual Conference of Association of Microbiologist (AMI-7th-10th December, 2015) and International Symposium on Emerging Discoveries in Microbiology” at School of Life Sciences, JNU, New Delhi, INDIA.

Participation on “The 100th Indian Science Congress” (3rd-7th January, 2013) at Calcutta University.

Workshops/Events organized:

NIL

Additional activities:

NIL

