Dr. ASHUTOSH GHOSH

Assistant Professor | Department of Zoology

St. Xavier's College (Autonomous), Maharo, Dumka

Contact Number: 7365082175 | Email Id: ghoshashutosh8@gmail.com

1. Academic Profile

I, Dr. ASHUTOSH GHOSH, am an assistant professor of the Department of Zoology, St. Xavier's College, Maharo, Dumka, Jharkhand. I have completed one year of my teaching in the field of Zoology. Beside this, I teach the pollution control and waste management paper. My special paper is cytogenetics & molecular biology. I have five years of research experience in the field of neurobiology and nanotechnology. I have published five articles in reputed peer-reviewed journals with good impact factor. During my Ph.D , I achieved AYUSH(CCRAS) Ph.D Fellowship from Ministry Of AYUSH, Govt. Of India. I am a review member of Royal Society Of Chemistry (RSC).

2. Educational Qualifications

Degree	Specialization	Institution / University	Year
B.Sc(HONS)	ZOOLOGY	UNIVERSITY OF KALYANI	2016
M.Sc	ZOOLOGY	UNIVERSITY OF KALYANI	2018
Ph.D	ZOOLOGY	UNIVERSITY OF KALYANI	2025

3. Areas of Specialization / Research Interests

- Cytogenetics &Molecular Biology
- Drug designing and delivery
- Neurobiology
- Green Nanotechnology

4. Teaching Experience

Total Teaching Experience: 1year3months

Institution	Designation	Department	Period
St. Xavier's College (Autonomous), Maharo, Dumka	ASSISTANT PROFESSOR	ZOOLOGY	16.06.2025-PRESENT

5. Research Profile

- Research interests: Neurobiology & Nanomedicine
- Research projects: Worked as a research scholar under "**Comparative study on anti-inflammatory effect of Bacoside- A from *Bacopa monnieri* , Asiatic acid from *Centella asiatica* and kaempferol from *Convolvulus pluricaulis* and their**

bioavailability in the ischemic brain of mice" funded by CCRAS, MINISTRY OF AYUSH, GOVT. OF INDIA.

6. Publications

Research Papers / Journal Publications

1. A. Ghosh, N. Khanam, D. Nath, Solid lipid nanoparticle: A potent vehicle of the kaempferol for brain delivery through the blood-brain barrier in the focal cerebral ischemic rat, Chemico-Biological Interactions, 397, 2024, 111084.
2. N. Khanam, A. Ghosh, D. Nath, Synergistic effect of chrysin and kaempferol in ameliorating Cerebral Ischemic Reperfusion injury in rat by controlling expression of proinflammatory mediators NF-κB and STAT3. Nutritional Neuroscience, 2024, 1–11.
3. A. Ghosh, N. Khanam, D. Nath, Evaluation on antioxidative and neuroprotective activity of bacoside- A, asiatic acid and kaempferol in endothelin-1 induced cerebral ischemia in rat. J Appl Pharm Sci, 13(12), 2023, 223–231.
4. D. Nath, A. Ghosh, N. Khanam, Palliative care: A "missing chapter" in medical science. Pacific International Journal, 3(1), 2020, 21-28.
5. D. Nath, N. Khanam, A. Ghosh, Role of Phytocompounds En Route Blood-brain Barrier in Cerebral Ischemia, EJMP, 31(20), 2020, 104-115.

7. Awards & Academic Achievements

- AYUSH(CCRAS) Ph.D Award-JRF , Ministry Of AYUSH, Govt. Of India.
- AYUSH(CCRAS)Ph.D Award- SRF, Ministry Of AYUSH, Govt. Of India

8. Conferences, Seminars & Workshops

1. *8th International conferences on Molecular Signaling and 4th Cesin Symposium* conducted by Indian Institute of Chemical Biology, Kolkata; 2023.
2. *National Conference on Sustainable Health Science for Future Generations* conducted by Department of Physiology, University of Kalyani and Indian Science Congress Association (ISCA) Kolkata Chapter; 2022.
3. *UGC-SAP sponsored (DRS-II) Sponsored National Symposium on stress and Disease Response* conducted by Department of Biophysics and Biochemistry, University Of Kalyani; 2020.
4. *International conference on stem cell and research* conducted by University of Kalyani; 2017.

9. Professional Development & Certifications

- FDP conducted by St.Xavier's College, Maharo, Dumka on 16th June, 2025.

- FDP conducted by St.Xavier's College, Maharo, Dumka on 19th and 20th June,2026.

10. Administrative & Institutional Responsibilities

- Invigilator of UG (NEP-2020) Examination
- Member of UGBOS of Department Of Zoology

11. Professional Memberships

- Review member of Royal Society Of Chemistry (RSC) Journal

13. Academic & Professional Profiles

ORCID ID	0000-0003-3630-5335