Dr. Nivedita Koley – Curriculum Vitae

Contact Information

Designation: State Aided College Teacher 1
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Educational Qualifications

PhD from
Jadavpur University, Kolkata
Thesis: Hypoglycemic, Hypolipidemic and Antioxidant Activity of *Gymnema sylvestre*, an Indian Medicinal Plant in Diabetes Mellitus.

M.Sc. in Zoology (Specialization: Parasitology)
Burdwan University, Burdwan

Additional Qualifications

- Participated in the interactive Workshop on CBCS (30 August 2019), West Bengal State University.
- Certificate Course: Preparing Animal Protocol for Research on Rats, VA Health Care System, Boston, USA (6 April 2004).
- Animal Research Facility Training, Boston Health Care Research Service (20 April 2004), Boston, USA.

Worked as Research Assistant at VA Health Care System, Boston, USA (2001-2004).

"Study the role of orexin receptor in rat urinary bladder."

Areas of Interest

Chordates, Non-chordates, Biochemistry, Parasitology, Cell and Molecular Biology, Animal Physiology.

Teaching Experience

2011 – Present (14 years 4 months)
State Aided College Teacher 1(Zoology), Sarojini Naidu College for Women

Professional Membership

Indian Science Congress – Life Member (Membership No. L43679, since 2022)

Administrative Experience

Member, Campus Development Committee (2024–Present)

Member , Student Progression Committee (2024- Present)

Project/Dissertation Guidance

- Different Larval Forms of Echinodermata – Semester II Honours (2018–19)
- Larval Forms of Crustaceans – Semester II Honours (2021–22)

Publications

1. Koley, N., Koley, H. & Chakrabarti, M.K., 2024. Vaccine development and recent trends in vaccine delivery system. Trends in Life Sciences, November, p. 1. ISSN 0970-2504.

2. Al-Romaiyan, A., Liu, B., Asare-Anane, H., Maity, C.R., Chatterjee, S.K., Koley, N., Biswas, T., Chatterji, A.K., Huang, G-C., Amiel, S.A., Persaud, S.J. & Jones, P.M., 2010. A novel Gymnema sylvestre extract stimulates insulin secretion from human islets in vivo and in vitro. Phytotherapy Research, 24(9), pp.1370–1376. https://doi.org/10.1002/ptr.3125

3. Jones, P.M., Maity, C.R., Chatterjee, S.K., Koley, N., Asare-Anane, H., Biswas, T.K., Roy, K., Persaud, S.J. & Chatterji, A.K., 2007. Gymnema sylvestre extracts stimulate insulin secretion in vitro and in vivo: a potential phytopharmacological therapy for type 2 diabetes. Journal of the American Diabetes Association, Abstract Book, 67th Scientific Sessions, June 22–26.

4. Maity, C.R., Maity, S.C., Pradhan, B., Banerjee, S., Koley, N., Banerjee, S. & Ghosal, S.K., 2000. Scanning electron microscopy of the intestine of normal and lasix-treated rat: a preliminary report. Bulletin of RGKMC, Vol. 5, No.1, March.

Book Chapter

Koley, N. & Koley, H., 2024. Extracellular Vesicles and Bacterial Infection, pp. 93–102. https://doi.org/10.1007/978-981-97-2494-9_5

Conference Participation & Proceedings

- International Conference on Health Sciences and Sustainable Development, Vidyasagar University (03–05 March 2023)
- 108th Indian Science Congress, Nagpur University (03–07 January 2023)
- International Seminar on Microbiology: State of the Art, SNCW & Lincoln University College, Malaysia (23 December 2019)
- Seminar on Implications and Utility of Intellectual Property Rights, SNCW & Naba Ballygunge Mahavidyalaya (15 May 2024)

Paper Presentations

- Invited Speaker, International Conference on Health Sciences and Sustainable Development, Vidyasagar University.
  Research Presentation: Hypoglycemic, Hypolipidemic effect of OmSanA (*Gymnema sylvestre* extract) in Diabetes Mellitus (03–05 March 2023)

Academic Engagements

- Moderator , Paper Setter & External Examiner at West Bengal State University (2011-present)

Examiner at Netaji Subhas Open University.
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