



MODEL DEGREE COLLEGE, NUAPADA

Department: Zoology

Name: Ms. Lipika Priyadarsini Patra

Designation: Assistant Professor-I (OES-I)

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Date of Joining in Government service (As per service book): 25/04/2024

Date of Joining in this college (As per service book): 25/04/2024

Qualification (Highest): Ph.D. (Biotechnology)

Field of Specialisation/Interest: Immunology, Molecular Biology, & Reproductive Biology

Teaching Experience: 1 year 6 Months

Remarkable Achievements/Awards:

1. Ramasamy Padayachiar Endowment Award by Government of Tamil Nadu, 2016.
2. Qualified JGEEBILS/TIFR, (2019, 2017)
3. Qualified joint CSIR-UGC NET (JRF), Dec 2018
4. Qualified GATE, 2019
5. 2nd Rank in M.phil. Zoology at Ravenshaw University, 2018.
6. 2nd Rank in M.Sc. Zoology at Annamalai University, 2017.
7. 2nd Rank in B.Sc. Zoology at Ravenshaw University, 2015

List of research projects conducted: NIL

List of Publications: (01)

Lipika Priyadarsini Patra, K Jayakrishnan, and Malini Laloraya*. Diabetes and obesity biomarkers in association with hyperandrogenism reveal key networks in the pathogenesis of Polycystic Ovary Syndrome: study on a cohort from the southern part of Kerala state. J Endocrinol Reprod. Vol 28(2), 00-00, June 2024, doi: 10.18311/jer/2024/44262

List of National/International Seminars Attended/ Conducted during the last five years:

National/International Seminars attended: (03)

- Lipika Priyadarsini Patra, Betsy Susan Johnson, Sathy M Pillai, K. Jayakrishnan, and Malini Laloraya*. Defective phosphorylation mechanisms of STAT5-A plausible cause of Treg down regulation in PCOS. (International conference on reproductive Health with Emphasis on “Innovations in Reproductive Sciences and Technologies: Hope, Risk and responsibilities.” (ISSRF-2023), Ravenshaw University, Cuttack, Odisha, India (24th-26th February, 2023). **Best Oral Presentation award**
- Lipika Priyadarsini Patra, Betsy Susan Johnson, K. Jayakrishnan, Sathy M. Pillai, and Malini Laloraya*. Defective phosphorylation mechanisms in STAT5 signaling could be a reason



behind low Treg differentiation in PCOS patients. National Symposium on Biotechnology for Sustainable Development-2023, at RGCB, Thiruvananthapuram, Kerala. **Best Poster Presentation award**

● Lipika Priyadarsini Patra, Sathy M. Pillai, K. Jayakrishnan and Malini Laloraya*. PCOS is associated with Treg heterogeneity with presence of PD1high T-betlow Tregs. 1st RGCB Research conference, Hotel The Raviz, Kollam, Kerala, India (20th-23rd September 2023). Poster presentation

National Seminars conducted: (01)

National Seminar on Recent Advances in Life Sciences and Wildlife Conservation at Department of Zoology, Model Degree College Nuapada, Khariar, Odisha, India (07th March 2025). Worked as an Organizing Secretary.

Membership in Professional bodies/ DRC during last 5 years: NIL