NAME: Dr. Srimay Pradhan

Designation: Assistant Professor

Qualification: M.Phil., Ph.D., NET

Phone no.: 7073738667

Email ID: srimay.pradhan@cutm.ac.in

Digital signature IDs: OrCid ID- https://orcid.org/0000-0002-2522-5922?lang=en (Scopus-ID/Web of Science-ID/OrCid-ID/Bidwan-ID)

ABOUT ME

Dr. Srimay Pradhan is presently working as an assistant professor (Botany) in School of applied Sciences, Centurion University of Technology and Management. He has completed his doctoral research on diversity, distribution and ethnomedicinal uses of Lichens from Centurion University of Technology and Management. He has completed his Master (Botany) from Department of Botany, Utkal University and M.Phil (Life Sciences) from Department of Life Sciences, Sambalpur University. During M.Phil he worked on genetic diversity of 32 genotypes of Cajanus Species through Conserved DNA Derived Polymorphism (CDDP) marker analysis. He has also qualified CSIR-UGC NET with AIR-36. His research interest broadly focused on natural therapeutics, phytomedicine, phyto-taxonomy. He is currently engaged both in teaching and research. He has 6 years of teaching experiences in Plant physiology and Biochemistry, Genetics and Ecology both in undergraduate and postgraduate level.

AREA OF INTEREST: Natural Therapeutics, Phytomedicine, Phyto-taxonomy

COURSES TAUGHT: Plant Physiology and Metabolism, Plant Ecology and phytogeography, Mycology & Phytopathology

TEACHING EXPERIENCE: 6 Years

RESEARCH EXPERIENCE: 7 Years

ADMINISTRATIVE/EXECUTIVE EXPERIENCE: 6 years

AWARDS & HONORS: NIL **RESEARCH GUIDANCE:** M.Sc. and B.Sc. students

RESEARCH GRANTS: NIL

PUBLICATIONS:

- Behera S, Rana G, Satapathy S, Mohanty M, Pradhan S, Panda MK, Ningthoujam R, Hazarika BN, Singh YD. Biosensors in diagnosing COVID-19 and recent development. Sensors International. 2020 Jan 1;1:100054. https://doi.org/10.1016/j.sintl.2020.100054

- Ningthoujam R, Singh YD, Babu PJ, Tirkey A, Pradhan S, Sarma M. Nanocatalyst in remediating environmental pollutants. Chemical Physics Impact. 2022 Jun 1;4:100064. https://doi.org/10.1016/j.chphi.2022.100064
- Pradhan S, Mishra A, Sahoo S, Pradhan S, Babu PJ, Singh YD, Chanu NB. Artemisinin based nanomedicine for therapeutic applications: recent advances and challenges. Pharmacological Research-Modern Chinese Medicine. 2022 Mar 1;2:100064. https://doi.org/10.1016/j.prmcm.2022.100064
- Sahoo A, Choudhury R, Devi RS, Kumar S, Pradhan S, Biswal SK, Kumar S. Evaluation of medicinal potential and antibacterial activity of selected plants against Streptococcus mutans. Acta Fytotechnica et Zootechnica. 2021 Apr 1;24(1). https://doi.org/10.15414/afz.2021.24.01.9-15
- Singh YD, Das D, Das S, Swain KD, Pradhan S, Babu PJ. Pharmacological activities of limonin from Khasi Mandarin as therapeutic applications. Pharmacological Research-Modern Chinese Medicine. 2022 Dec 1;5:100181. https://doi.org/10.1016/j.prmcm.2022.100181
- Pradhan S, Upreti DK, Meher RK, Satapathy KB. Antimicrobial, anticancer, and antioxidant potential of two dominant macro-lichen *Dirinaria aegialita* and *Parmotrema praesorediosum* collected from Similipal Biosphere Reserve of Odisha, India. Journal of Applied Biology and Biotechnology. 2022 Sep 20;10(6):34-43. DOI: 10.7324/JABB.2022.100604
- Behera A, Devi RS, Pradhan S, Biswal S, Jena PK, Biswal SK, Kumar S. Phytochemical analysis and antioxidant potential of *Costus speciosus* L. European Journal of Medicinal Plants. 2020;31(10):64-72.
- Pradhan S, Rituparna S, Dehury H, Dhall M, Singh YD. Nutritional profile and pharmacological aspect of *Houttuynia cordata* Thunb. and their therapeutic applications. Pharmacological Research-Modern Chinese Medicine. 2023 Sep 29:100311. https://doi.org/10.1016/j.prmcm.2023.100311
- Raza K, editor. Computational intelligence in oncology: Applications in Diagnosis, Prognosis and Therapeutics of Cancers. Springer Nature; 2022 Mar 1.
- Arzoo A, Pradhan S. A review on cyclone resistant plants found in cyclone Prone Odisha, India. International Journal of Scientific & Technology Research. 2020;9(4):488-91.
- Pradhan S, Upreti DK, Satapathy KB. Diversity, distribution and abundance of lichen in Similipal Biosphere Reserve, Odisha.
- Pradhan S, Satapathy KB. A study on diversity of lichen in the north-west transitional zone of Mayurbhanj district of Odisha, India. Indian Journal of Natural Sciences. 2020;10(61):26985-90.

JOURNAL PUBLICATIONS: 11

BOOK PUBLICATIONS: 1

PARTICIPATION IN CONFERENCE & SEMINARS (AS INVITED/PLENARY/CHAIR):

Invited speaker in one-day state seminar at Pattamundei College, Kendrapara

OTHER INFORMATIONS

Life Member of Indian Lichenological Society

Life Member of Indian Botanical Society

Life Member of Indian Science Congress

Life Member of Odisha Botanical Society