

RESUME

Name : Mr. DHANANJAY SOREN

Designation: LECTURER

Date of Birth: 3rd May, 1978

Educational Qualifications:

Sl. No.	Qualifications	Year of Passing	Subjects (PG onwards)	Division	Name of the University
1.	BA/ <u>B.Sc</u> /B.Com	1999		2 nd	Utkal University
2.	MA/ <u>M.Sc</u> /M.Com	2002	Marine Biotechnology	2 nd	Goa University
3.	M. Phil				
4.	Ph. D	2010	Life Science		Jadavpur University
5.	D. Lit				

Research Area: Biotechnology

RESEARCH EXPERIENCE

Doctoral thesis in the area of LIFE SCIENCE had been submitted to Jadavpur University, Kolkata entitled as “**Purification and Characterization of extracellular endo-xylanase from an edible mushroom *Termitomyces clypeatus***”. The Doctoral work was carried out at Drug Development/Diagnostics and Biotechnology Division, Indian Institute of Chemical Biology, 4 Raja S. C. Mullick Road, Jadavpur, Kolkata 700032, India.

Mastered in Science (**M. Sc. Marine Biotechnology**) from the Department of Marine Science and Biotechnology, Goa University, Taleigao Plateau, Panaji, Goa- 403206, India. During M. Sc. one year of Dissertation work on “**Characterization and partial Purification of Alkaline proteases from a deep sea *Streptomyces sp.***” had been carried out for partial fulfillment of the curriculum at the Department of Biotechnology, Goa University under the supervision of **Dr. Usha D. Muraleedharan**, Reader in Biochemistry. Work was based on the biochemical behaviour of the deep sea *Streptomyces sp.* collected from the Indian Ocean basin by the Research groups from **National Institute of Oceanography, Dona Paula, Goa, India**

TECHNICAL EXPERTISE

- ◆ **Microbiological Techniques:** Basic microbiological techniques including Isolation and Characterization of bacteria, Fungi, Staining procedures, Minimum Inhibitory Concentration (MIC) determination with different compound, Pure Culture techniques and Fermentation procedures.
- ◆ **Biochemical Techniques:** Protein purification by Ammonium sulfate precipitation, Gel filtration Chromatography, Native and SDS-Poly Acrylamide Gel Electrophoresis, Estimation of DNA and Proteins.

- ◆ **Molecular Biological Techniques:** Isolation of DNA and RNA, Transformation, Conjugation, Transfection, Restriction digestion, Ligation, Southern blotting, Gel Electrophoresis, Polymerase Chain Reactions, Reverse Transcriptase Polymerase Chain Reactions and Rapid Amplification of Polymorphic DNA sequences.
- ◆ **Immunohistological Techniques:** RBC and WBC counts, Preparation of Blood Smear, Blood Grouping with Rh factors, Immuno-precipitation and Preparation of Animal Cell Culture with Minimal Eagles Medium.
- ◆ **Analytical Techniques:** Spectrometric (UV-Vis, Spectrofluorimeter, Mass Spectrometer), Chromatographic (Thin Layer Chromatography, Gas Chromatography, High Performance Liquid Chromatography), Amino Acid analysis and N-terminal Sequencing of proteins.
- ◆ **Biophysical Techniques:** Electron microscopic analysis (FESEM, HRTEM), Fluorescence Microscopy.

PUBLICATIONS

- **Dhananjay Soren**, Mohanlal Jana, Subhabrata Sengupta, and Anil K. Ghosh. Purification and Characterization of a Low Molecular Endo-xylanase from Mushroom *Termitomyces clypeatus*. *Applied Biochemistry and Biotechnology* (Springer), Volume 162, No. 2, September 2010, Page: 373-389. (DOI: [10.1007/s12010-009-8763-0](https://doi.org/10.1007/s12010-009-8763-0))

REFERENCES

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2. **Dr. Anil K. Ghosh**
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Signature