

CURRICULUM – VITAE

NAME : SONALI DAS

CONTACT DETAILS : Bhubaneswar – 751015
Odisha, India
sonalidas6109@gmail.com



CAREER OBJECTIVES

Seeking opportunities to carry out extensive research in the field of biological science

EDUCATIONAL QUALIFICATION

Year 2024-Cont.: **Ph.D. Programme**
Under Supervision of *Dr. Jyotsnarani Pradhan*, P.G.
Department of Biotechnology, Utkal University, Vani Vihar,
Bhubaneswar, Odisha, India

Year 2020-2022: **M.Sc. in Zoology**
CGPA Scored: 8.35
North Orissa University, Baripada, Mayurbhanj

Year 2017-2022: **B.Sc. in Zoology**
CGPA Scored: 8.24
S.V.M. College (Autonomous), Jagatsinghpur

Year 2015-2017: **+2 Science**
Percentage: 66
S.V.M junior college, Jagatsinghpur

Year 2015: **Matriculation**
Percentage: 83.33
Singharpur Panchayat High School, Singharpur,
Jagatsinghpur

WORK EXPERIENCE

- **Research Assistant** **March 2025 - November 2025**
Centre of Excellence in Integrated Omics and Computational Biology (CoE-IOCB),
Utkal University, Bhubaneswar
- **Guest Faculty in Zoology** **July 2023 - June 2024**
Alaka Mahavidyalaya, Jagatsinghpur

PROJECTS

A Review of literature on Beneficial Role of Reactive Oxygen Species

2024

Guided by: Dr. Sanatan Majhi, Assistant Professor in Biotechnology

This review literature has following aspects:

- Physiological roles of ROS in cellular signalling and homeostasis.
- Dual role of ROS in health and disease.
- Therapeutic potential of ROS modulation

A Review of literature on Gut Microbiota & Its effect on Human health

2022

Guided by: Dr. Puspanjali Parida, Associate Professor in Zoology

This review literature has following aspects:

- Functionality of healthy gut microbiota.
- Pathways used for perturbation in dysbiotic disease states.
- Therapeutic approaches to restore healthy state.

A Survey on Avifauna of Kuldiha Wildlife Sanctuary

2017

Guided by: Dr. Rabindra K. Mohanty, Assistant Professor in Zoology

This project has following aspects:

- Collection of data on habitat and abundance of each observed bird
- Estimation of population and current status through data analysis.

TECHNICAL/CORE SKILLS

Nucleic acid isolation and quantification, Protein estimation, Real-Time PCR, Chromatography, Absorbance spectroscopy, Fluorescence spectroscopy, SDS- PAGE, Western blotting, HPLC, ELISA, Stereo-zoom and Fluorescence Microscopy, *Drosophila* model handling

CONFERENCE & WORKSHOPS ATTENDED

- Participated in Odisha Research Conclave-2025 at Berhampur University, Berhampur, 27th-29th November 2025.
- Participated and presented a paper entitled “Activation of dFOXO-JNK Stress Signalling Underlies Bisphenol A-Induced Neurotoxicity: Protective Role of Curcumin in *Drosophila melanogaster*” at National Conference on Translational Biotechnology,

Department of Biotechnology, Rama Devi Women's University, 20th-21st February 2026.

- Participated in National Seminar on Immunometabolism-Redox Epigenomics: Implications for Human Health, Disease and Therapeutics, Department of Biotechnology, Utkal University, Bhubaneswar, 28th-29th March 2026.

ACHIEVEMENTS

Qualified

- **CSIR-UGC NET JRF** **2025**
- **BET** **2024**
- **GATE-XL** **2023**