

WHO WE ARE

The **Department of Biosciences** at **JIS University** is committed to excellence in teaching and cutting-edge research. We offer a range of academic programs including **B.Sc., M.Sc. and Ph.D.**, designed to cultivate both theoretical knowledge and practical skills. Our faculty members possess diverse academic and research backgrounds, with expertise spanning **Biotechnology, Microbiology, Computational Biology**, and various interdisciplinary domains. The department promotes **academic flexibility**, strong **faculty-student engagement**, and a collaborative learning environment. We are equipped with **state-of-the-art laboratories** that support both basic and applied research. Our programs emphasize on **Internships, Project Work** and **Seminar Presentations**, providing students with a comprehensive view of current trends and advancements in biological sciences. Our mission is to **nurture inquisitive and innovative minds**, preparing them to tackle global challenges in **academia, research, and industry**.

MEET OUR FACULTIES



Assistant Professor and HOD
[Specialization: Molecular parasitology, Environmental Microbiology]



Dr. Dipankar Ghosh
Associate Professor
[Specialization: Microbial engineering and algal biotechnology]



Dr. Mainak Mukhopadhyay
Associate Professor
[Specialization: Enzyme technology, protein chemistry, bioenergy]



Dr. Sukanta Shekhar Bhattacharya
Associate Professor
[Specialization: Applied Microbiology, Toxicology and Microbiology]



Dr. Avik Acharya Chowdhury
Associate Professor
[Specialization: Cell and cancer biology, molecular biology]



Dr. Suparna Ghosh
Assistant Professor
[Specialization: Bioremediation, nanobiotechnology]



Dr. Agniswar Sarkar
Assistant Professor
[Specialization: Clinical Virology, Molecular Epidemiology, Bioinformatics]



Dr. Soumyabrata Roy
Associate Professor
[Specialization: Cancer biology, Immunology and Virology]



PROGRAMS OFFERED

B.Sc. in Biotechnology

- **Duration:** 4 Years
- **Eligibility:** 10+2 in Science with minimum 50% marks, Biology compulsory
- **Admission Criteria:** JET (JIS University Entrance Exam)
- **Details:** Equips students with skills in molecular biology, genetic engineering, and bio-based technologies for diverse industrial and research applications.

M.Sc. in Biotechnology

- **Duration:** 2 Years
- **Eligibility:** Minimum 50% in relevant B.Sc. course
- **Admission Criteria:** JET (JIS University Entrance Exam)
- **Details:** Focuses on advanced concepts in biotechnology, including molecular biology, genetic engineering, and bioinformatics.

Ph.D. in Science

- **Duration:** Minimum 3 Years
- **Eligibility:** Postgraduate degree in a related discipline with at least 55% marks
- **Admission Criteria:** JIS University Research Entrance Examination
- **Details:** A research-intensive program designed to produce independent scientists and innovators capable of addressing real-world challenges.

B.Sc. in Microbiology

- **Duration:** 4 Years
- **Eligibility:** 10+2 in Science with minimum 50% marks, Biology compulsory
- **Admission Criteria:** JET (JIS University Entrance Exam)
- **Details:** Offers foundational and advanced knowledge of microorganisms and their role in health, environment, and industry.

M.Sc. in Microbiology

- **Duration:** 2 Years
- **Eligibility:** Minimum 50% in relevant B.Sc. course
- **Admission Criteria:** JET (JIS University Entrance Exam)
- **Details:** Offers in-depth training in microbial genetics, pathogenesis, industrial microbiology, and environmental applications.

CONTACT US



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Kolkata-700109



EXTRA-MURAL RESEARCH FUNDING(S)

- ICMR-ADHOC
- SERB TARE
- BIRAC-EYUVA INNOVATION FELLOWSHIP
- MSME GRANT

COLLABORATIONS



- Subhami BioPharma
- AgriVet
- Kalyani Mahavidyalaya
- SHRM Biotechnologies Pvt. Ltd.
- Alona Life Sciences Pvt. Ltd.
- E-YUVA Centre, ADAMAS University
- Guwahati Biotech Park
- Gurudas College



OUR SUCCESS STORIES

Academic Excellence

- Gayatri Das – IIT-JAM
- Rangan Mitra – GATE-XL, GATE-BT, IIT-JAM, CUET PG, TIFR JGEEBILS
- Bibhav Pandit – TIFR JGEEBILS, IIT-JAM
- Suvodeep Saha – GATE-XL
- Mrinmoy Dey – GATE-XL, GATE-BT
- Sushmita Mallick – CUET PG
- Ankita Roy – GATE-XL, GATE-BT, IIT-JAM, CUET PG
- Somnath Jana – IIT-JAM, GAT-B
- Kunal Pradhan – IIT-JAM
- Biswajit Chowdhury – IIT-JAM, GATE-XL
- Sayan Adhikary – IIT-JAM
- Shruti Singh – IIT-JAM
- Sampriya Sarkar – GATE-XL

Placements

- Successful placements occurred in the following companies over the span of 5 years
- Cipla
 - Promea Therapeutics Private Limited
 - Alteus Biogeneics
 - Krish Biotech Research Pvt. Ltd.
 - Macleods Pharmaceutical Pvt. Ltd.
 - Advantmed
 - Artech Information Systems
 - Corizo Edutech Company

GLIMPSES OF DEPARTMENTAL ACTIVITIES



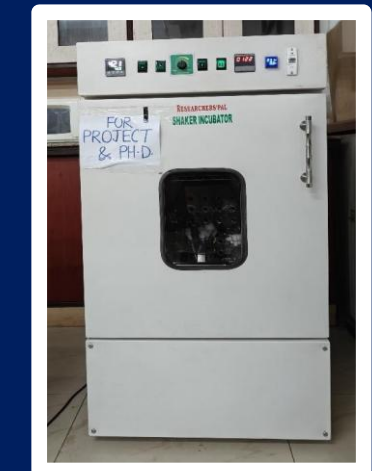
DEPARTMENTAL FACILITIES



ChemiDoc XRS+ IMAGING SYSTEM



Prima 96PLUS™ THERMAL CYCLER



37°C BOD Incubator Shaker



-86°C Freezer



1300 Series Class II, Type A2 Biological Safety Cabinet



Thermo Scientific™ BB15 Carbon Dioxide Incubator



Olympus-Magnus INVI Phase Contrast Microscope



UV-VIS Spectrophotometer



Laminar Airflow Cabinet



High Speed Cooling Centrifuge