



PATNA UNIVERSITY

# Central Instrumentation Facility (CIF)



# Central Instrumentation Facility

Scientific research demands need for state-of-the-art sophisticated instrumentation support in order to work in high priority research area. To cater the need of researchers in different areas, the **Central Instrument Facility (CIF)** was established at the Patna University in the year 2017 with the support from the Department of Biotechnology, Govt. of India

The grant received for this CIF under a research project DBT-PU-IPLS (Department of Biotechnology-Patna University-Interdisciplinary Programme in Life Science)

The idea being that high priced instruments which may not be available to researchers in individual laboratories can be made available at the Central Instrumentation Facility.

# Objectives of CIF

- **To carry out analysis of samples of researchers working in universities**
- **To initiate advanced level research in high priority areas.**
- **To identify priority research areas in emerging fields and to facilitate collaborative research.**
- **To provide basic training to undergraduate to Postgraduate Students.**

# Objectives of CIF

- **To act as a common platform for organizing short-term courses and workshops as well as imparting hands-on training to students, research scholars and teachers from other universities.**
- **To participate in teaching of formal courses on instrumentation, conducted by other departments/agencies.**
- **To provide consultancy services to Industry/Govt. Departments/ other institutions.**

# Major Instruments



**Fermentor**



**Lyophilizer**



# Major Instrument



**-86°C Refrigerator**

# Major Instruments



**ELISA Reader**



**Incubator Shaker**

# Major Instruments



**PCR**



**UV-VIS Spectrophotometer**



# Major Instruments



**Ultra pure water system**



**Vacuum Concentrator**

# Major Instruments



**High speed centrifuge**



**Biosafety cabinet**