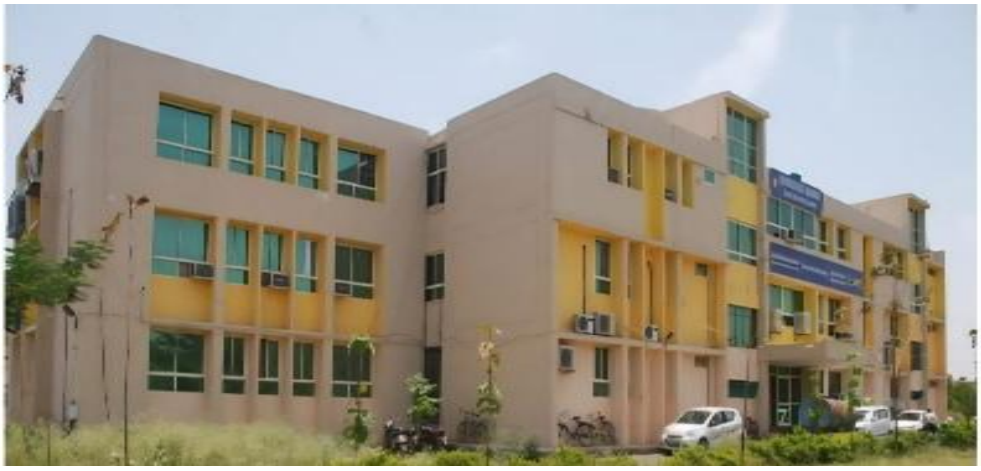


# School of Studies in Biotechnology

(Established in 1996)

## The State-of-the-Art Facilities for Academics & Research

## Programmes Offered

- **Ph.D. (Biotechnology)**
- **M.Sc. (Biotechnology)**
- **B.Sc. (Biotechnology)**
- **Bioinformatics (Certificate course)**

## Profile of the School

The M.Sc. course in Biotechnology was started in SOS Biochemistry, Jiwaji University, from the academic year 1996, with funding from the University Grants Commission, New Delhi, under the emerging areas. The postgraduate curriculum is updated in line with the NEP-2020 to incorporate the latest developments in the subject and develop an industry-oriented curriculum. The teaching program is strengthened by invited lectures from senior teachers and scientists from other Universities and National laboratories, such as the Bhabha Atomic Research Center, Mumbai; the Central Drug Research Institute, Lucknow; AMU, Aligarh; CSIR-IIM, Jammu and DRDE, Gwalior.

The research areas of focus in the school include genomics, proteomics, pharmaceutical biotechnology, animal cell culture and plant biotechnology. The school

has received funding for research from various agencies such as University Grants Commission, Madhya Pradesh Council of Science and Technology, Madhya Pradesh Council of Biotechnology, Defense Research and Development Establishment, etc. The school facilitates academic collaborations with various national laboratories for placement and project training. The school has a proactive calendar of high-quality academic activities like student seminars, workshops, competitive events, and continuous internal assessments, etc.

## Major Facilities

The school of Biotechnology possesses **state-of-the-art** laboratory facilities, enabling students to gain practical hands-on experience.

- **PCR Thermo-cycler**
- **Gel documentation system**
- **Low pressure protein purification system**
- **Lyophiliser**
- **Milli-Q water purification system**
- **UV-Vis Spectrophotometer**
- **Refrigerated Centrifuges**
- **Electrophoretic systems**
- **Laminar Air Flow**

### Animal cell culture facility

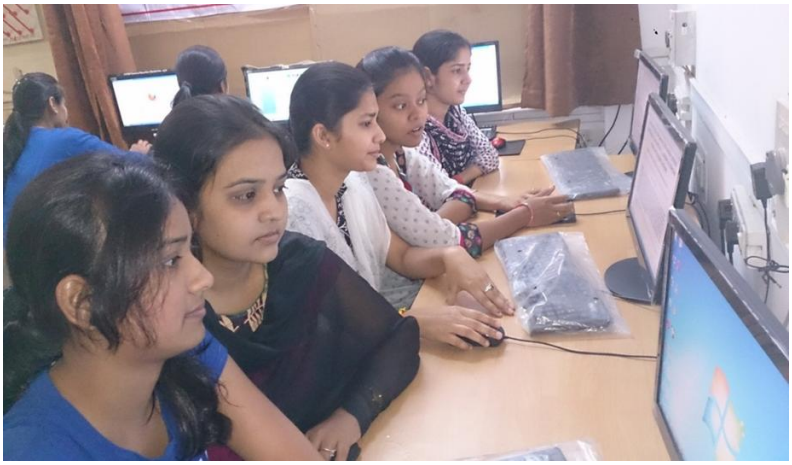
- **SANYO- $CO_2$ incubator**
- **Motic- Inverted Microscope**

### Proteomics setup

- **2D-Gel electrophoresis**
- **FPLC**
- **Western blotting system**

## Library and Internet Facility

**The departmental library has a large number of subject-related, latest edition reference books and textbooks for students' access, in addition to the central library facility. The school has a well-equipped computer facility with a Core i5 processor and UGC-INFONET internet connectivity, dedicated to graduate students for accessing numerous scientific journals and video lectures of eminent scientists.**



## Teaching Methodologies

**A variety of teaching methods are adopted including interactive class lectures, seminars, practical classes, assignments, Industrial visit, etc. using latest tools of teaching like LCD projectors, overhead projectors in addition to green board teaching.**

# Students Domain

## Academic Activities

**The School conducts national conferences, workshops and competitive events regularly to highlight the latest trends in Biotechnology and to facilitate student interaction with eminent academicians of national and international repute.**

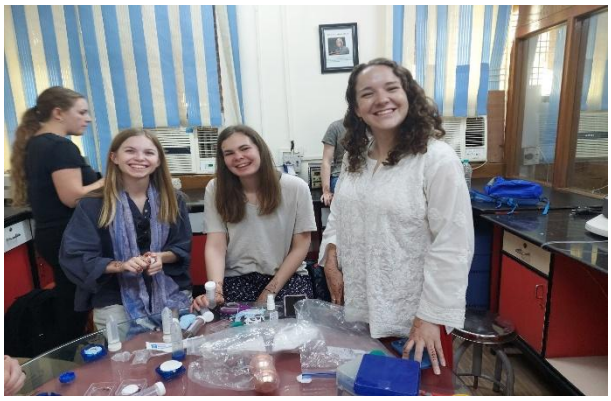
## NET Qualified Students

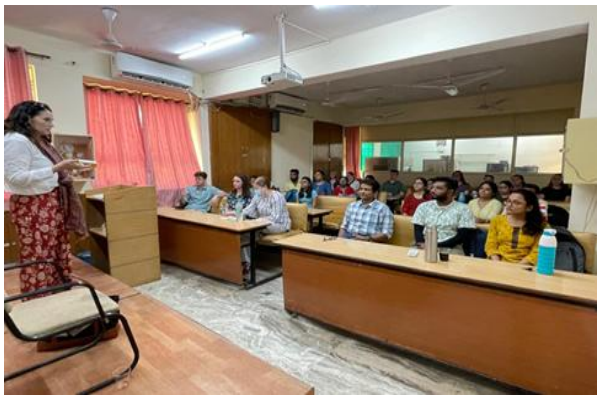
**Almost every year 2-4 students of the School qualify NET/SLET/GATE examinations. Till date more than 50 students of the School have cleared such examinations and are doing research at various national and international institutes. A few students of our School are contenders for the prestigious *Shyama Prasad Mukherjee* scholarship.**

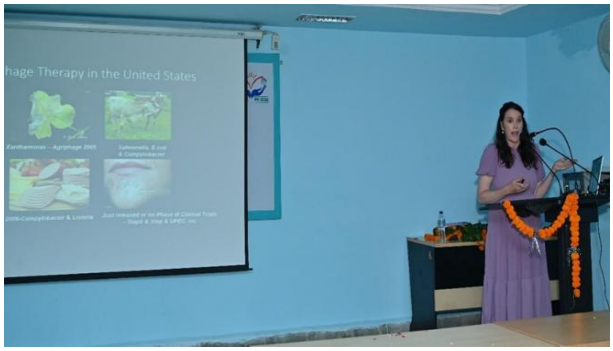
## International Collaborations

### Brigham Young University, Provo, Utah, USA

**Memorandum of understanding has been recently signed by Jiwaji University; Biotechnology Department and Bringham Young University, USA for research collaborations vis-a-vis product oriented research and exchange of students.**







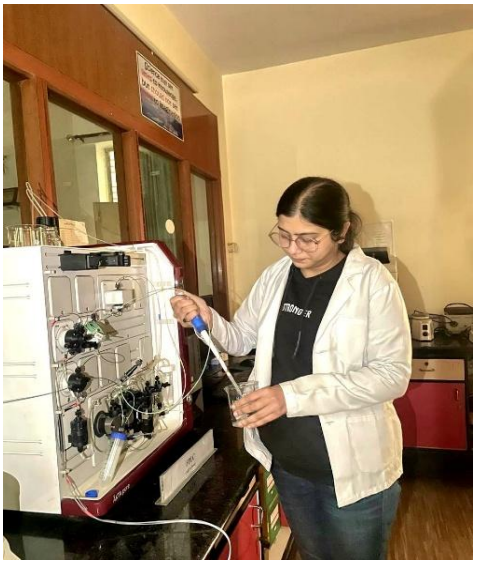

## Placement

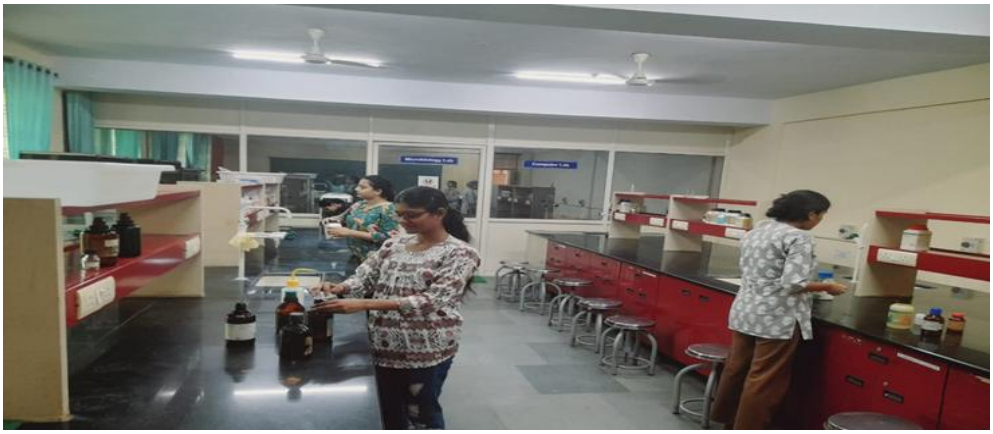
**The students passed out from this department are absorbed by well-known companies like Cadilla Pharma, Reliance Biotech, Kiagen Biotech, Dr. Reddy's Laboratories, Kemwell Biopharma, etc. in India. Equally, some of the students are absorbed as scientists at DBT-New Delhi, CDRI-Lucknow, DIPAS-New Delhi, DRDE-Gwalior, etc., and internationally at NIH-USA, University of Reading-UK, Academia Sinica-Taiwan, to name a few. The majority of the students are working at various prestigious research Institutes like Bhabha Atomic Research Center- Mumbai, IISC-Bengaluru, ICGEB-New Delhi, CCMB-Hyderabad, NCL-Pune, CRDI-Lucknow, IIT-Kharagpur, etc., for pursuing a doctoral degree.**

## Research

### Key Areas of Research

**Genomics and Proteomics; Cancer Biology, Plant Biochemistry, Animal cell culture, Peptide biology. Experts from other institutes come and interact with research scholars sharing their practical experiences.**





## Faculty


**Prof. Sameer Suresh Bhagyawant** (CV.docx )
**Head of the Department**
**Mobile:** 9691675884
**Email:** sameerbhagyawant@gmail.com


## Associate Faculty

**Dr. Neha Gupta**

**Dr. Richa Bhargav**

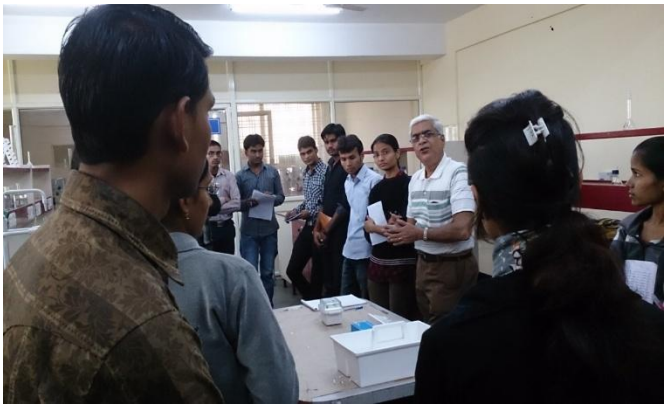
## Visiting Professor(s)

**Dr. T. Gopalakrishna, Out Standing Scientist (Rtd.) BARC, Mumbai**

**Dr. Anil Balapure, Chief Scientist, CDRI, Lucknow**

**Dr. Ashok Ahuja, Scientist (Rtd.), IIIM, Jammu**

**Dr. Nidhi Srivastava, Associate Professor, NIPER, Raibareily**

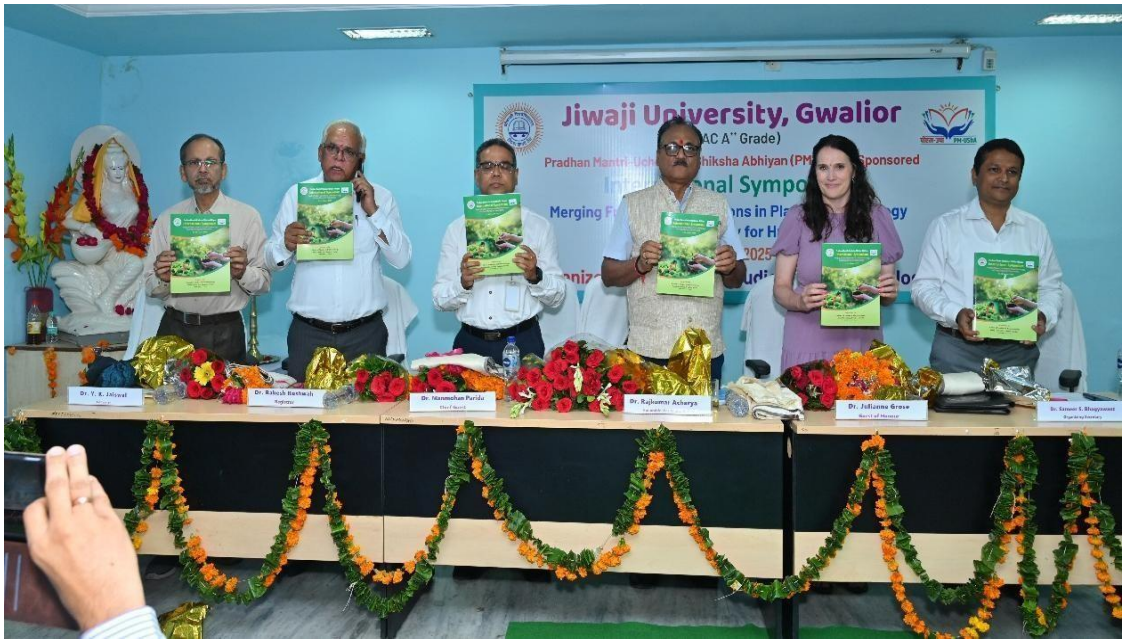


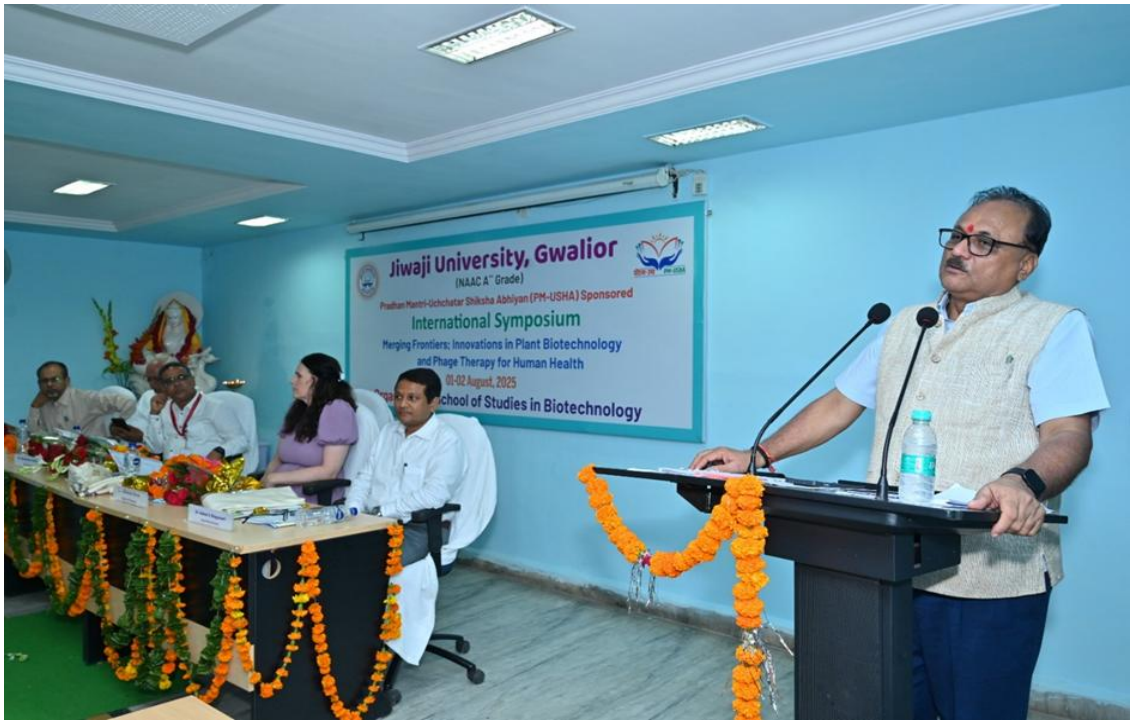
## Academic Achievements

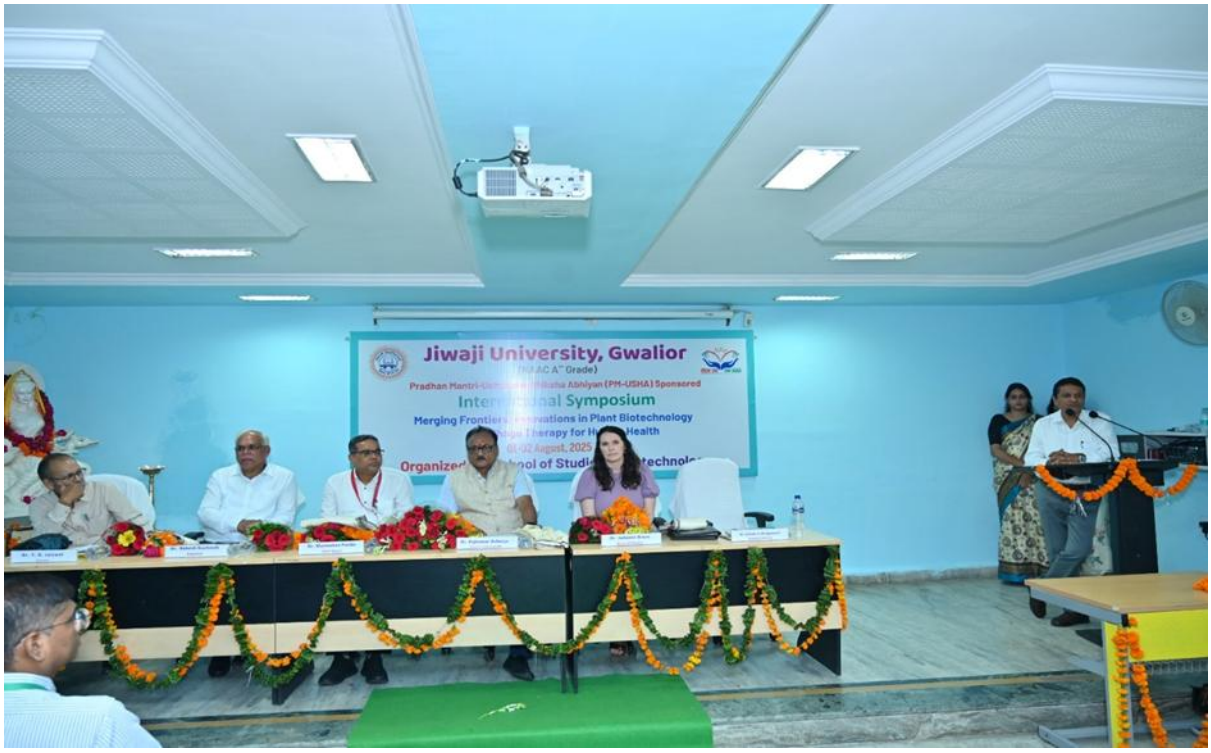
- Best Infrastructure (Teaching and Research)
- Excellent Academic Result; High % NET-Qualified Students
- Academic Linkages (BARC, NCL, CDRI, DRDE)
- Research Extension– Open Laboratory Concept
- UGC-Extension lectures

## Best Practices

- Continuous internal assessments, Feedback and weekly Seminar
- Events like….Competitive, Science day exhibition, Conferences, Hands-on-Workshops etc.
- Motivational Lectures (How to get success in life, Personality development
- Anti-ragging & student-friendly ambiance
- Open Laboratory Concept for SOS & College students
- Code of Professional Ethics (Pt#17): Respect right & dignity of students, manage personal affairs & attention by all faculty


Jiwaji University, Gwalior


Jiwaji University, Gwalior
(NAAC A" Grade)
Pradhan Mantri-Uchchatar Shiksha Abhiyan (PM-USHA) Sponsored
International Symposium
Merging Frontiers: Innovations in Plant Biotechnology
and Phage Therapy for Human Health
01-02 August, 2025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Merging Frontiers
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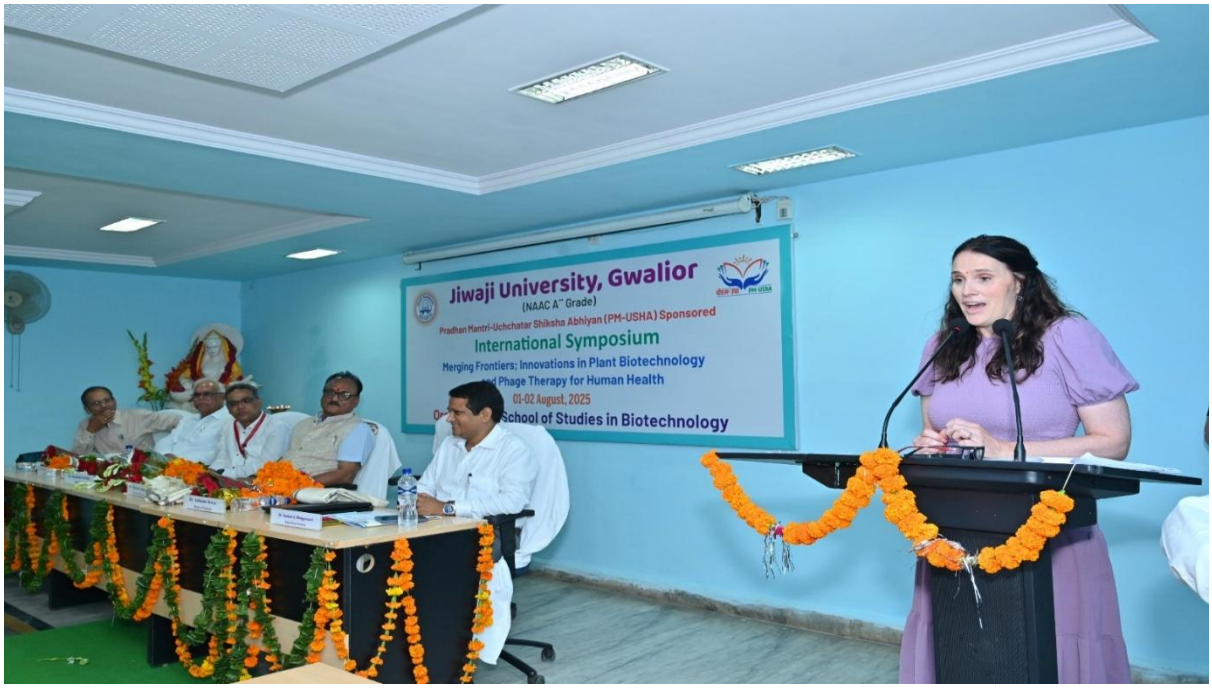
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School of Studies in Biotechnology


Jiwaji University, Gwalior
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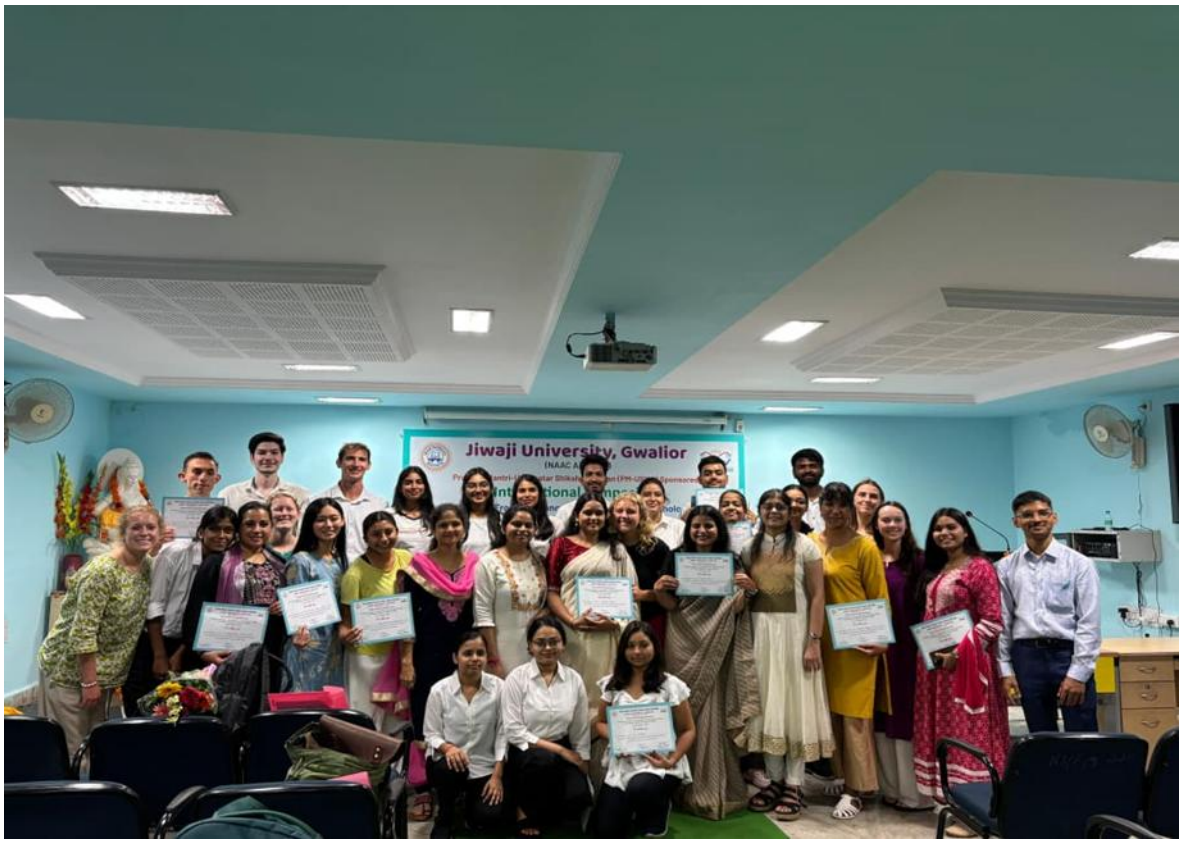
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