



COLLEGE VISION

" To be a pre-eminent educational institute where teaching and learning brings out the best in the students."

DEPARTMENT'S VISION

“To establish a globally recognized centre of excellence in Microbiology and Biotechnology, promoting interdisciplinary education, pioneering innovative research and addressing critical global challenges. We aim to cultivate future scientific leaders through cutting-edge curriculum and collaborative partnerships, while engaging with industry and the community to advance societal well-being and sustainability.”

OUR DEPARTMENT

The Department of Microbiology was established in 1998 to provide education at the bachelor levels in Microbiology and to enhance knowledge of invisible world whereas; the Department of Biotechnology was established in the year of 2003. The department was further expanded in 2005 when PG course in Microbiology and Biotechnology were started. It is an applied biological science as the microbes have diverse applications in pharmaceuticals, food, dairy and beverages industries. Furthermore, the research and development in the department started with recognition as research centre for Ph.D. in 2003.

Registration

The FDP is open to all the faculty members of AICTE / UGC approved Institutes / Universities / R&D Labs / Industry Persons / PhD Scholars / PG Students.

Registration fee: **FREE**

How to register:

Click on <https://atalacademy.aicte-india.org/login>

Steps to Register:

1. Sign up as a participant and fill in your details
2. Go to FDPs & Select filters → ATAL → January → Online
(Note: Use Ctrl+F & search for FDP Application No: 1731154767)
3. Click on Apply for FDP
4. Upload NOC & Click on "+" sign to apply.

Organizing Committee



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Coordinator

Dr. Sandip P. Patil
Head, Biotechnology Dept.



Co-Coordinator

Dr. Ravindra H. Patil
Head, Microbiology Dept.

Department of Microbiology and Biotechnology

R. C. Patel ACS College, Shirpur

AICTE TRAINING AND LEARNING ACADEMY (ATAL)

Sponsored

6 Days Online

Faculty Development Programme
On

**Biotechnology for
Sustainable Development**

06 - 11 January, 2025



Organized by

Department of Microbiology & Biotechnology

R. C. Patel Arts, Commerce and Science
College, Shirpur
Karvand Road, Shirpur - 425405
Dist.- Dhule (Maharashtra)

Programme Details

Aims

- ❖ To Enhance Knowledge in Sustainable Biotechnology
- ❖ To Promote Research in Sustainable solutions
- ❖ To Build Capacity for Future Technologies
- ❖ To Foster Industry-Academia Collaboration
- ❖ To Address Environmental and Societal Challenges
- ❖ To Empower Sustainable Resource Management
- ❖ To Encourage Innovation in Sustainable Practices

Note:

No Participation FEES will be collected from the participants

Objectives

- ❖ Educating faculty members about the principles and applications of biotechnology in promoting sustainability
- ❖ Understanding of the role of biotechnology in addressing environmental challenges such as pollution, resource depletion etc.
- ❖ Providing practical training on the ethical, social, and regulatory aspects of biotechnological interventions for sustainability
- ❖ Encouraging faculty members to develop innovative teaching methods and research projects that promote the adoption of biotechnology for sustainable development

Content of FDP to be covered

- ❖ Industrial Biotechnology (Enzyme production & purification)
- ❖ Nanobiotechnology (Nanoparticles in disease treatment)
- ❖ Food Biotechnology (Probiotic bacteria isolation)
- ❖ Plant Biotechnology (Plant tissue culture)
- ❖ Applied Immunology (Vaccine development)
- ❖ Environmental Biotechnology (Waste water treatment)
- ❖ Computational Biology (Use of Biostatistics)
- ❖ Forensic Biotechnology (Detection of DNA & RNA)
- ❖ Bioinformatics (Informatics in biotechnology)
- ❖ Artificial Intelligence (AI) in Biotechnology
- ❖ Agricultural Biotechnology (PGPR & plant pathology)
- ❖ Biofertilizers (Production at large scale)
- ❖ Microbial Biotechnology

Target Group

Assistant Professors / Associate Professors / Ph.D. scholars / PG students.

Duration:

6 Days (06 to 11 January 2025)

Time:

06:00 PM to 09:00 PM

Mode:

Online

Eligibility

- ❖ Faculty members from Colleges and Universities specially from Departments of Biotechnology, Microbiology, Environmental Sciences, Agricultural Sciences, Botany, Zoology, Life Sciences, Biological Sciences & related subjects etc.
- ❖ Biotechnological industry professionals
- ❖ Research Scholars and PG students

Evaluation Criterion

Candidates would be eligible to receive a certificate upon achieving at least 70% cumulated weightage.

Minimum 80% attendance to sessions is essential.

Assessment test- Combination of MCQ or short ans. type etc.

For More Details or any queries:

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