Meeting Minutes

Board of Studies

held on

May 14th, 2025

Department of Microbiology

Central University of Punjab

Central University of Punjab

Department of Microbiology

Ref no: **Dated: 16th May, 2025**

Subject: Minutes of the meeting of Board of Studies of Department of Microbiology

The meeting of Board of Studies of Department of Microbiology was held on 14th May 2025 at 10:00 AM via hybrid mode with the following members:

1. **Dr Somesh Baranwal, Associate Professor**, Head of the Department as Chairperson
2. **Prof Ramakrishna Wusirika, Dean In-charge Academic**, Department of Biochemistry, CUPB
3. **Prof. Sanjeev Kumar**, Dept. of Botany, CUPB
4. **Prof. Yogalakshmi K.N.** Dept. of Environmental Science & Technology, CUPB
5. **Prof Monisha Dhiman,** Department of Microbiology, CUPB
6. **Dr Mukesh K Yadav, Associate Professor**, Department of Microbiology, CUPB
7. **Dr Saraboji Kadhirvel,** Associate Professor, Dept. of Computational Sciences, CUPB
8. **Dr Debapriya Garabadu** Assistant Professor, Dept. of Pharmacology, CUPB
9. **Dr Amit Singh,** Assistant Professor, Department of Microbiology, CUPB
10. **Dr Pramod Kushawaha,** Assistant Professor, Dept. of Microbiology, CUPB
11. **Prof Gunjan Goel** , Dept. of Microbiology, Central University of Haryana **(External expert)**
12. **Prof Rajeev Kaul,** HoD & Dean of Faculty of Interdisciplinary & Applied Sciences, University of Delhi, South Campus **(External expert)**
13. **Prof Balwinder Singh Sooch,** Head, Dept. of Biotechnology & Food Technology, Punjabi University , Patiala **(External expert)**
14. **Dr Prashant Khare Director**, R&D, Xenesis Research Institute, Absolute- Gurugram, Haryana **(Industry Expert)**
15. **Mr. Hari Om** Alumni of the department

Prof Gunjan Goel, Prof Rajeev Kaul, Prof Balwinder Singh Sooch, Prof. Yogalakshmi K.N, Dr Saraboji Kadhirvel, Dr Pramod Kushawaha, and Mr. Hari Om (Alumni of Department) joined the meeting online. Dr Prashant Khare and Prof. Sanjeev Kumar did not attend the meeting because of prior commitments.

The following agenda items were discussed and resolved after thorough deliberations

Item no. I. To review and approve the proposed changes, course structure and syllabus for M.Sc. Microbiology for academic session 2025-2027

Course codes have been updated to maintain the uniformity (guidelines provided by the IQAC).

Department will offers two PG degree courses following the **UGC National Credit Research framework guidelines**

1. Three semester of coursework and one semester of dissertation (3+1)
2. Two Semester of coursework and two semester of dissertation (2+2)

The following changes were proposed for the M.Sc. Microbiology curriculum for academic session 2025-2027.

Courses Added/Revised	Courses Removed/ Moved
Semester I (Total Credits:19) **For (3+1) and (2+2) program** Cell and Developmental Biology **(MMIC.402)** will be offered for PG courses **For (2+2) program** The syllabus will remains the same except courses from Microbiology (3+1) program such as Food and dairy Microbiology **(MMIC.536)**, Industrial Microbiology **(MMIC.535)** and Microbial Biotechnology **(MMIC.540)** will be offered as Discipline Enrichment Courses (DEC). (Students has options to earn extra credits from MOOCs that will reflect in their Detailed Mark Certificate)	
Semester II (Total Credits:23) **For (3+1) and (2+2) program** Molecular Biology and recombinant DNA technology **(MMIC.524)** will be new course after merging Molecular Biology (core) and Genetic Engineering & Recombinant DNA technology (DEC) **For (2+2) program**	Genetic Engineering and recombinant DNA technology (DEC) merged with Molecular Biology core course

Based on department faculty research interest, two Discipline Enrichment Courses (DEC) named Microbial diversity and Applied Microbiology **(MMIC.531)** and Antimicrobial Resistance and drug discovery **(MMIC.532) will be introduced for 2+2 program.** Third semester Medical Microbiology **(MMIC.537)** (3+1) will be cross-linked as a discipline elective course (Faculty research) for 2+2 program for second semester students.	
Semester III **For (3+1) Program -** No changes curriculum includes four credit of dissertation part I (MMIC.599.1) (23 Credit) **For (2+2) program -** Introduced dissertation part I (MMIC.599.1) (20 credits) with University wide evaluation criteria	
Semester IV (Total Credits: 20) No change in the Dissertation Part II	

Resolution: *The experts appreciated the efforts and accepted the proposed changes in the course structure and syllabus for M.Sc. Microbiology for academic session 2025-2027 and is enclosed as annexure-I.*

Suggestions from Experts for M.Sc. Microbiology program:

Resolution:

1. *Queries such as evaluation criteria for MSc Microbiology (2+2) program and MOOC courses being offered by department were addressed by respective teachers and course coordinator.*

Item no. II. Changes in course structure and syllabus for PhD program in Microbiology for session 2025. – Unit II of Trends in Microbiology (MMIC.702) is modified and advanced techniques in Microbiology are introduced in the syllabus

Resolution: *The experts accepted the course structure and syllabus for PhD Microbiology for academic session 2025-2026.*

Suggestions from Experts for Ph.D. Microbiology program:

Resolution:

1. *To include IPR search, filing and registration in the Trends in Microbiology offered to Microbiology students*

Item no. III. To review the feedback from stakeholders: Curriculum feedback from different students, their parents, alumni, and faculty members were discussed and suggestions in course content from students and their parents are incorporated.

Resolution: *The feedback and suggestions from the stakeholders were incorporated in the curriculum. The analysis and action taken report is eclipsed at annexure-II*

Item no. IV. To approve the list of external examiner for MSc dissertation

1. **Dr. Ramesh Kumar**, Associate Professor, Indira Gandhi University, Meerpur, Rewari HR
2. **Dr. Ankush Gupta**, Senior Assistant Professor, Department of Biochemistry, BHU
3. **Prof. Paras Sharma**, Professor, Mizoram Central University
4. **Dr Sushil Kumar Pathak**, Associate Professor, Department of Biotechnology, Berhampur University
5. **Dr Ambuj Kushawaha** , Assistant Professor, School of Biotechnology, BHU
6. **Dr. Samander Kaushik**, Associate Professor, M.D. University Rohtak, Haryana
7. **Dr. Rakshak Kumar**, Associate Professor, Tripura University
8. **Dr. Ved Prakash Dwivedi**, Group leader, Immunology, ICGEB, New Delhi
9. **Dr. Jitendra Singh**, Associate Professor, AIIMS, Bhopal
10. **Dr. Anand Maurya**, Additional Professor, AIIMS Bhopal
11. **Dr. Buddhiman Tamang**, Assistant Professor, Sikkim University (central University)
12. **Dr Pradeep Yadav**, Associate Professor, GJUST, Hisar
13. **Prof Malkhey Verma**, Professor, School of Biotechnology, BHU
14. **Dr. Nagendra Thakur**, Associate Professor, Sikkim University (central University)
15. **Dr Bhim Pratap Singh**, Professor, NIFTEM
16. **Dr. Heer Ram**, Associate Professor, Jai Narayan Vyas University, Rajasthan

17. **Dr Prashant Kumar Singh**, Associate Professor, Department of Biochemistry, Lucknow University

The BoS discussed the agenda items at length including the comments received by the external experts. All revised files for the above agenda items are shared to BoS members for approval and recommendation will be further placed in the School Board.

BoS Members

Dr Somesh Baranwal
HoD and chairperson

Prof Yogalakshmi K.N.
EVST, CUPB

Prof Monisha Dhiman
Microbiology, CUPB

Prof. Ramakrishna Wusirika
Dept. of Biochemistry

Prof. Sanjeev Kumar
Department Botany

Dr Mukesh K Yadav
Associate Professor,

Dr Saraboji Kadhirvel
Computational Sciences

Dr Debapriya Garabadu
Dept. of Pharmacology

Dr Pramod Kushawaha
Microbiology

Dr Amit Singh
Assistant Professor, Microbiology

External Experts

1. **Prof Balwinder Singh Sooch,** Punjabi University , Patiala
2. **Prof Gunjan Goel ,** Dept. of Microbiology, Central University of Haryana
3. **Prof Rajeev Kaul,** University of Delhi, South Campus

Industry expert

Dr. Prashant Khare, Director, R&D, Xenesis Research Institute, Absolute-Gurugram, Haryana