

## Department of Biochemistry and Microbial Sciences

Dated: 16-05-2018

**Subject: Minutes of the Meeting of Board of Studies of Department of Biochemistry and Microbial Sciences for Academic Session 2018-2019**

A meeting of Board of Studies of **Department of Biochemistry and Microbial Sciences** was held on 16 May, 2018 at 11:00 am in the committee room (Academic Block), CUPB.

The agenda of the meeting is as given below:

1. To review and approve the proposed changes, course structure and syllabus for M.Sc. Life Sciences with specialization in Biochemistry based on CBCS and IQAC recommendations for academic session 2018-19.
2. To review and approve the proposed changes, course structure and syllabus for M.Sc. Life Sciences with specialization in Microbial Sciences based on CBCS and IQAC recommendations for academic session 2018-19.

The agenda items which were placed before the BoS and following changes has been incorporated in various courses:

**Item no. I. Changes common to both M.Sc. Life Sciences with specialization in Biochemistry and Specialisation Microbial Sciences for academic session 2018-19.**

1. Addition of "Value based courses or MOOCs" courses of 1 credit in first semester and fourth semester as elective foundation courses.
2. In second semester another **Compulsory Foundation** course of 4 credits is added which the students will choose from "MOOCs".
3. For the preparation of national level competitive examinations, **Discipline Enrichment Course-I** and **Discipline Enrichment Course-II** of 2 credits each is offered in third and fourth semester respectively.
4. The research project will be of 4 and 8 credits each in third and fourth semester, respectively.
5. Discipline elective course of Cell Culture Techniques (LBC. 561/LMS 561) is added in III<sup>rd</sup> semester. Another Discipline elective course of Clinical Diagnostics (LBC. 581/LMS. 581) is added in IV<sup>th</sup> semester.

**Item no. II. Changes in M.Sc. Life Sciences with specialization in Biochemistry for academic session 2018-19.**

1. Clinical Biochemistry (3 credits, LBC.552) and Nutritional Biochemistry (2 credits, LBC 572) has been merged as Clinical and Nutritional Biochemistry course of 3 credits in III<sup>rd</sup> semester.

**Item no. III. Changes in M.Sc. Life Sciences with specialization in Microbial Sciences for academic session 2018-19.**

1. Virology (3 credits, LMS.553) from III<sup>rd</sup> semester has been removed and its contents are added in Microbiology and Clinical Microbiology (4 credits, LMS.524). *Handwritten: 4*
2. In III<sup>rd</sup> semester for the students to relate the theoretical knowledge to practical aspects of the studied courses such as Industrial and Environmental Microbiology (LMS.551) & Food and Dairy Microbiology (LMS.552) an industrial visit/tour has been added under mode of classroom Transaction.

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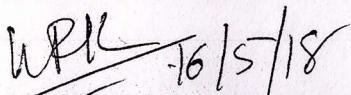
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The BoS discussed the agenda items at length including the comments received by email from the external experts. The comments are as follows:

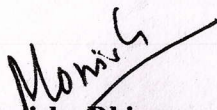
The external experts feel that the proposed changes are in line with evolving the programs in progressive way which will benefit students (email enclosed)

The agenda items placed before the BoS were approved and recommended to be placed in the School Board for further approval.

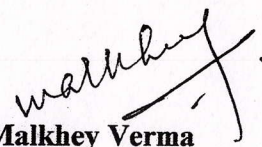
Members of the BoS of Department of Biochemistry and Microbial Sciences and external experts gave their consent through email.

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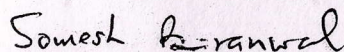
**P. I. Ramakrishna Wusirika**  
Chairperson and CoC  
Department of Biochemistry and Microbial Sciences



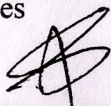
**Dr. Monisha Dhiman**  
Associate Professor



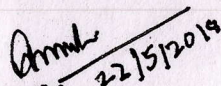
**Dr. Malkhey Verma**  
Associate Professor



**Dr. Somesh Baranwal**  
Assistant Professor  
Department of Biochemistry and Microbial Sciences

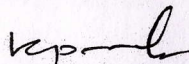


**Dr. Shashank Kumar**  
Assistant Professor

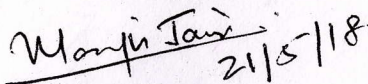
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**Dr. Anjana Munshi**  
HoD, Department of Human Genetics and Molecular Medicine

**Co-opted Members**



**Dr. Pramod Kushawaha**  
Assistant Professor

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**Dr. Manju Jain**  
Assistant Professor

**External experts who gave their consent through email/phone**

**Prof. Anil K. Gupta**  
Former Head, Dept. of  
Biochemistry, PAU, Ludhiana