

DAV University, Jalandhar

Department of Biotechnology

Proceedings of Board of Studies Meeting

A meeting of the Board of Studies in the Department of Biotechnology was held on 7th March, 2020 at 11.00 AM in committee room, Administrative Block, DAV University, Jalandhar.

Following members were present in the meeting:

1. Prof. (Dr.) Pratap Kumar Pati (External Expert)
Professor & Head
Department of Biotechnology, Guru Nanak Dev University, Amritsar
2. Dr. Praveen Guleria
Assistant Professor
Department of Biotechnology, DAV University, Jalandhar
3. Dr. Lakhmir Singh
Assistant Professor
Department of Biotechnology, DAV University, Jalandhar
4. Dr. Yogesh Kumar
Assistant Professor
Department of Biotechnology, DAV University, Jalandhar
5. Dr. Shivika Sharma
Assistant Professor
Department of Biotechnology, DAV University, Jalandhar

1. It was discussed and unanimously resolved to approve the proposed outline of schemes and syllabi of the courses of reading for the following programs of Batch 2020:

- a) B.Sc. (Hons.) Biotechnology
- b) M.Sc. (Hons.) Biotechnology
- c) Ph.D. Biotechnology

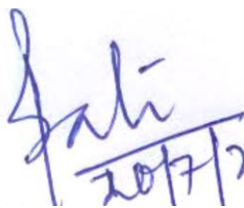
2. It was discussed and unanimously agreed upon post-facto approval of changes in the course codes and credits in syllabi of M.Sc (Hons.) Biotechnology (Session 2018-19 and 2019-20).

- a) Food Biotechnology: BTY643B, 3 credits
- b) Computational Biology & Bioinformatics: BTY635A, 3 credits

3. It was discussed and unanimously agreed upon to make following changes in the syllabi with respect to previous year:

B.Sc (Hons.) Biotechnology

- i) Edition of text books and reference books were updated wherever applicable.


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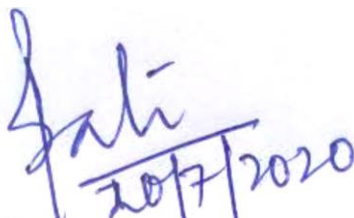
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- ii) Course contents of BTY351 Bioprocess Technology was updated and restructured. Continuous stirred-tank reactor, Fluidized bed reactor have been added to make student understand the concept of both mechanically and non-mechanically agitated bioreactors. Volumetric mass transfer coefficient and oxygen transfer from gas bubble to cell have also been added.
- iii) Course contents of BTY391A Basics of Animal Biotechnology was updated and restructured. Animal Cell culture scale up techniques, gene transfer methods and cryopreservation has been included in the syllabus.
- iv) Course content of BTY382 Molecular Diagnostics was updated. Section including hybridization and sequencing techniques elaborated.
- v) Course Content of BTY111A Fundamentals of Plant Biotechnology was updated. Section including Entrepreneurship in plant tissue culture was added to Unit IV.

M.Sc. (Hons.) Biotechnology

- i) Course codes and course names of following courses in M.Sc. (Hons.) Biotechnology syllabus was changed as follows:
 - a) Food Biotechnology: BTY643B, 3 credits
 - b) Computational Biology & Bioinformatics: BTY635A, 3 credits
 - c) Scientific Writing and Intellectual Property Rights: BTY641A, 3 credits
 - d) Bioanalytical Techniques: BTY527B, 4 credits
- ii) Edition of text books and reference books were updated wherever applicable.
- iii) Course contents of BTY521 Recombinant DNA Technology was updated and restructured. Phagemid, artificial chromosome vectors and selection of clones of desired genes from gene libraries added.

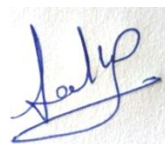


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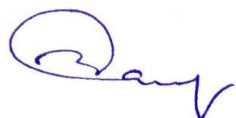
Prof. (Dr.) Pratap Kumar Pati (External Expert)



Dr. Praveen Guleria



Dr. Lakhmir Singh



Dr. Yogesh Kumar (10041)



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Dr. Shivika Sharma