

**PROCEEDINGS OF THE BOARD OF STUDIES MEETING (UG & PG) IN
BIOTECHNOLOGY**

Ref: No. MU/SND/ BOS/Biotech./12/2019-20/S4 dated 27.08.2020

The BOS (UG & PG) meeting in Biotechnology was held on 2nd September 2020 in the Dept. of Biosciences, Mangalore University

Members Present:

- | | |
|---------------------------------|---|
| 1. Dr. V. Shyam Kumar | -Member (External) |
| 2. Prof. Chandrakala Shenoy K. | - Member |
| 3. Prof. K. Bhasker Shenoy | -Member |
| 4. Dr. Raghavendra Rao B. | -Member |
| 5. Dr. Siddaraju M.N. | -Member |
| 6. Prof. Monika Sadananda | - Chairperson |
| 7. Dr. Prahlada Raghavendra Rao | - Special Invitee (Industry Representative) |

Chairperson welcomed the members and presented the agenda.

Agenda discussed:

1. Preparation of panel of Examiners (UG, PG and Ph. D).
2. Assessment of previous year's question papers and results (UG, M. Sc. and Ph. D).
3. Revision of Syllabus
4. PhD guide recognition
5. Any other matter referred by the University.

Decision:

1. The panels of UG, PG and PhD examiners in Biotechnology were updated based on the suggestions of the members and were approved.
2. Question papers of UG, PG and PhD examinations in Biotechnology held during 2019-20 have been scrutinized and were found in order. The results (PG I and III Semester) were found to be satisfactory.
3. Syllabus revision:
 - i) MSc and PhD program outcomes, program specific outcomes and course outcomes were drafted and approved.
 - ii) The MSc Biotechnology syllabus was scrutinized thoroughly and is being submitted along with minor revisions throughout the syllabus. It was opined that students need to learn elements of pharmacology, drug development, biological data mining, therapeutic write ups, assay development, advancements in biotechnology as these are of importance in the industry. Towards this a new soft core course was proposed.
 - iii) Some relevant components pertaining to Research and Publication ethics were also added in the PhD Course work syllabus.

iv) It was decided to have Viva as a compulsory component of the Final Dissertation evaluation, as it develops presentation skills required in the Biotech industry.

iv) New courses introduced: Pharmacology and Drug Development

v) Inclusion / Removal of Courses / Units

| Existing | Modified |
|---|--|
| Open Elective Fundamental Biotechnology | Title changed to Biotechnology in daily life |
| Open Elective Food Biotechnology | Title changed to Food Security |
| Open Elective Environmental Biotechnology | Title changed to Environmental Management |
| Open Elective Medical Biotechnology | Title changed to Advances in Medicine |

vi) Overall percentage of syllabus revision: 5%

4. Under the agenda of recognition of PhD guides, the following applications referred by the University for research guideship in Biotechnology were scrutinized:

i) Dr. Siddaraju M.N., Department of Botany, University College, Hampankatta, Mangalore (Ref: Letter No. MU/ACC/RG/CR.12/2019-20/A3 dt.20.09.2019)

The BOS is of the opinion that he may be granted guideship for PhD Biotechnology as he has more than three years of independent research experience as evidenced by publications in refereed/reputed journals.

ii) Dr. Nandini Prasad Shetty, Plant Cell Biotechnology, CFTRI, Mysore

(Ref: Letter No. MU/ACC/RG/CR.30/2019-20/A3 dt.17.02.2020)

The BOS is of the opinion that the application for guideship under Multidisciplinary may be referred to Multidisciplinary Board. Dr. Nandini P. Shetty is already a recognized guide for PhD Biotechnology. (MU/ACC/RG/CR-35/2016-17/A3, dt.3.4.2017)

5. Any other matter referred by the University - As no other matter was referred by the University, the meeting was concluded with vote of thanks.

Signature of BOS Members

Dr. V. Shyam Kumar - PRESENT ONLINE

Prof. Chandrakala Shenoy K.



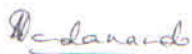
Prof. K. Bhasker Shenoy



Dr. Raghavendra Rao B.

} PRESENT ONLINE

Dr. Siddaraju M.N.


Prof. Monika Sadananda
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