PROCEEDINGS OF THE MEETING OF THE BOARD OF STUDIES IN BIOSCIENCES

Ref: Your letter No. ಮಂವಿ/ಕು.ಸ./ಸಿಂಡಿ/ಎಸ್4/56/2021-12862, ದಿನಾಂಕ: 15.09.2021.

The BOS meeting in Biosciences was held on 20th September 2021in the Department of Biosciences, Mangalore University.

Members Present:

1. Prof. Gopal MarathеK. - Member(External)
2. Prof. Chandrakala Shenoy K. - Member
3. Prof. Prashantha Naik - Member
4. Prof. Chandra M. - Member
5. Prof. Tharavathy N.C. - Member
6. Prof. Monika Sadananda - Chairperson

Members Absent:

7. Prof. Laxmi S. Inamdar - Member(External)

Agenda discussed:

1. Preparation of panel of Examiners (MSc and PhD).
2. Assessment of previous year's question papers and results (MSc).
3. MSc and PhD Syllabus
4. Recognition of Ph.D. guide:
   Dr. Neema M., Scientist, CPCRI, Kasargod (Ref: Letter No.MU/ACC/RG/CR.32/2021-22/A3dt.3.9.2021).
   Dr. Savadi Siddana, Scientist, ICAR-Directorate of Cashew Research (Ref: Letter No.MU/ACC/RG/CR-149/2020-21/A3dt.4.6.2021).
   Dr. Sanil N.K. Senior Scientist, CMFRI, Cochin (Ref: Letter No.MU/ACC/RG/CR.32/2021-22/A3dt.3.9.2021).
5. Teaching Eligibility with MSc Biosciences qualification
6. New Courses
7. Stake holders feedback on syllabus/curriculum
8. Courses related to skills development, employability, entrepreneurship
9. Value added Courses
10. Any other matter referred by the University

Decision:

1. The panels of PG and PhD examiners in Biosciences have been updated based on the suggestions of the members and were approved.
2. Question papers of PG I and III End Semester in Biosciences held during 2020-21have been scrutinized and were found in order. Results were also scrutinized.
3. The MSc Biosciences syllabus was scrutinized thoroughly and is being submitted along with minor revisions.

   PhD UGC prescribed course on Research and Publication Ethics was added and minor revision carried out in the PhD Course work syllabus (prior approval obtained by circulation).

4. Under the agenda of recognition of PhD guide, applications of the following application referred by University for research guideship in Biosciences were scrutinized:
   1) Dr. Neema M., Scientist, CPCRI, Kasargod (Ref: Letter No.MU/ACC/RG/CR.32/2021-22/A3dt.3.9.2021).
      Decision: Dr. Neema N's independent research experience after PhD is not evident in publications in referred, reputed journals. As such it is not recommended.
   2) Dr. Savadi Siddana, Scientist, ICAR-Directorate of Cashew Research (Ref: LetterNo.MU/ACC/RG/CR-149/2020-21/A3dt.4.6.2021).
      Decision: Recommended due to his independent research experience after PhD as evidenced by publications in refereed, reputed journals.
   3) Dr. Sanil NK. Senior Scientist, CMFRI, Cochin (Ref:LetterNo.MU/ACC/RG/CR.32/2021-22/A3dt.3.9.2021).
      Decision: Cannot be recommended for guideship as Dr. Sanil (DOB 21-12-1962; 59 years) is nearing superannuation.
5. It was decided to pursue eligibility of MSc Biosciences degree for teaching of UG programmes in Botany and Zoology with the State Govt. As major component of the syllabus pertains to Zoology or Botany, if MSc Biosciences graduates have studied Zoology or Botany during BSc, they should be considered.
6. a. New courses introduced:
   Nutritional Biology of 3 credits and Nutritional Biology Lab (Practical) of 2 credits has been introduced to enable employment opportunities.

   b. Inclusion/Removal of Courses/Units

Existing	Modified	Justification
BSS 453	Bleaching (coral reefs). Aquatic pollution, characteristics, sources and types. Eutrophication, algal blooms, red tide, shellfish poisoning. Biological control of aquatic pollution. Ganga action plan.	Shifted from BSS 503 to BSS 453 as these topics pertain to aquatic pollution and are therefore, more suitable here
BSS 503	Pisciculture: types of culture systems: traditional, extensive, semi-intensive, intensive, super-intensive. Characteristic features of cultivable species (Indian major carps, catfish and tilapia). Selection criteria of cultivable species. Maintenance of aquaculture pond-design, construction and management of ponds, types of ponds. Feeding behavior of fishes; Aquaculture feeds. Control of aquatic weeds and predators, aquaponics, fishing industry in India (including preservation and processing). Economic importance and nutritional value of fishes.	Added to enable state-of-the-art know how, employment and entrepreneurship opportunities in aquaculture.

   c. Overall percentage of syllabus revision: 20%
7. The BoS was informed that IQAC obtains Stakeholders feedback on syllabus/curriculum towards which an ATR is to be submitted.

8. Courses related to skills development, employability and entrepreneurship were mapped. Courses relating to gender issues, sustainable development and professional ethics were mapped.
9. A Value added Course on Bioresource Management was finalized to be submitted to the University for further approval.
10. Any other matter referred by the University – No other matter

Meeting was adjourned.

Signature of BOS Members

Prof. Chandrakala Shenoy K.

Prof. Prashantha Naik

Prof. ChandraM.

Prof. Tharavathy N.C.

Prof. Gopal Marathe K. - present online via google meet.

20/9/2021

Prof. Monika Sadananda
Chairperson BOS in Biosciences

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