

# MINUTES OF THE MEETING OF BOARD OF STUDIES

## DEPARTMENT OF MICROBIOLOGY

A meeting of the Board of Studies in Microbiology was held on Friday, 4<sup>th</sup> December, 2020 at 6.30 p.m. in Google meet platform. The BOS meeting was started with prayer and Dr. P. Saranraj welcomed the gathering with his warm words.

### MEMBERS PRESENT

**University Nominee** Dr. K. Anandaraj  
Principal, Shanmuga Industries Arts and Science College,  
Tiruvannamalai.  
Mobile No: 9092860015  
Email id: kanandaraj2010@gmail.com

**Subject Expert** Dr. K. Kolanjinathan  
Assistant Professor,  
Department of Microbiology,  
Faculty of Science,  
Annamalai Nagar, Chidambaram – 608 002.  
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Email id: drkolanji@gmail.com

**Industrialist** Dr. N. Sriram,  
Technical Coordinator,  
Bioline Laboratory,  
R.S Puram, Coimbatore – 641 002.  
Mobile No: 9786901812  
Email id: sribsc21@gmail.com

**Chair Person** Dr. P. Saranraj

**Members** Dr. K. Amala  
Dr. R. Bright  
Dr. Neethu Asokan

**Meritorious Alumni** Mr. V. Rakesh  
I M.Sc Microbiology, Department of Microbiology,  
Muthayammal College of Arts and Science,  
Rasipuram – 637 408  
Mobile No: 9944677721  
Email id: rakeshrandy275@gmail.com

## **Student Members**

Mr. P. Ganesh (BU181508)

Ms. A. Sudha (BU181510)

## **Agenda**

- 1) To review the complete syllabus of Theory and Practical papers of B.Sc. Microbiology programme.

## **Resolutions**

- 1) The merits and demerits were discussed regarding the content and subject.
- 2) Owing to the alterations, it was resolved to make the following changes in the syllabus
  - It was discussed to assign Major subject in the syllabus followed by the Allied subject in the Syllabus contents part.
  - In Fundamentals of Microbiology, the unit Microscopes was decided to be moved to Bioinstrumentation course
  - The course Bioinstrumentation was suggested to be transferred to Third semester.
  - It was recommended to shift Unit - 5 of Microbial Diversity and Classification to reduce complexity of course.
  - The topic Flow Cytometry in Unit - 5 of Microbial Diversity and Classification was suggested to be shifted to Bioinstrumentation course.
  - The title objectives was recommended to be changed to Learning Objectives followed by Learning outcomes to Course outcome and Reference books to Supplementary materials.
  - The Web references were recommended to be further reviewed for authenticity.
  - The experiment Acid fast staining in Practical paper was suggested to be replaced with concentration method and also add VITEK test
  - It was also suggested to add KOH wet mount in Semester – I Practical.
  - It was also recommended to include the Preparation of McFarland standards in Unit II of Microbial Physiology and Metabolism.
  - A standard Reference book for practical was recommended.
  - A demo for Mushroom – Spawn preparation and cultivation was suggested to be included in Mushroom Technology course.
  - It was resolved to seam the course Microbial Genetics and Molecular Biology and Genetic engineering as single course.
  - It was suggested to add a demo for Immunoelectrophoresis under Immunology practical course.

- It was advised to add Rejection criteria for clinical samples and also add *Acinetobacter* sp. in Medical Bacteriology course.
- It was suggested to change Virology course title to Medical Virology and also Covid-19 and MERS under Coronavirus.
- It was resolved to arrange Mycology topics based on Disease classification.
- Addition of *Chromobacter* sp., *Morganella* sp., *Providencia* sp., *Serratia* sp., *Aeromonas* sp., *Sphingomonas* sp., *Burkholderia* sp. and *Stratrophomonas* sp. in Main Practical V.
- It was also decided to include MIC, MBF and MFC in Main Practical V.
- It was recommended to remove soil structure topic from Vermitechnology course.
- The topic Ecological categories were suggested to be replaced with Microclimate of Drilosphere under Vermitechnology course.
- In all the courses, it was decided to include a topic Current Research Thoughts under Unit 5.

#### SIGNATURE OF THE MEMBERS

S.NO	NAME	MEMBERS	SIGNATURE
1	Dr. K. Anandaraj	University Nominee	
2	Dr. K. Kolanjinathan	Subject Expert	
3	Dr. N. Sriram	Industrial Expert	
4	Mr. V. Rakesh	Meritorious Alumni	
5	Dr. P. Saranraj	Chair Person	
7	Dr. K. Amala	Board Member	
8	Dr. R. Bright	Board Member	
9	Dr. Neethu Asokan	Board Member	
10	Mr. P. Ganesh	Student Representative	
11	Ms. A. Sudha	Student Representative	

# MINUTES OF THE MEETING OF BOARD OF STUDIES

## DEPARTMENT OF MICROBIOLOGY

### B.Sc Microbiology

A meeting of the Board of Studies in Microbiology was held on Thursday, 15<sup>th</sup> April, 2021 at 5.30 p.m. in Google meet platform. The BOS meeting was started with prayer and Dr. P. Saranraj welcomed the gathering with his warm words.

#### MEMBERS PRESENT

<b>University Nominee</b>	Dr. K. Anandaraj Principal, Shanmuga Industries Arts and Science College, Tiruvannamalai. Mobile No: 9092860015 Email id: kanandaraj2010@gmail.com
<b>Subject Expert</b>	Dr. P. Ganesh Assistant Professor, Department of Microbiology, Faculty of Science, Annamalai Nagar, Chidambaram – 608 002. Mobile No: 9994530678 Email id: drpg1974@gmail.com
<b>Industrialist</b>	Dr. J. Subburaj, Director, Exonn Biosciences, TICEL Bio Park Ltd., Taramani, Chennai – 600 113. Mobile No: 9786901812 Email id: subbujraj@gmail.com
<b>Chair Person</b>	Dr. P. Saranraj
<b>Members</b>	Dr. K. Amala Dr. R. Bright Dr. Neethu Asokan
<b>Meritorious Alumni</b>	Mr. D. Tamilselvan I M.Sc Microbiology, Department of Microbiology, Periyar University, Salem, Tamil Nadu, India Mobile No: 6383314954 Email id: microtamilselvan@gmail.com

## Student Members

Ms. A. Sudha (BU181510)

Ms. S. Tanuja (BU181549)

## Agenda

- 2) To review the complete Revised syllabus of Theory and Practical papers of B.Sc. Microbiology programme.

## Discussion and Suggestions

- 3) The merits and demerits were discussed regarding the content and subject.
- 4) Owing to the alterations, it was resolved to make the following changes in the syllabus
  - a) It was discussed to add the Prescott's Microbiology book as Reference book in Fundamentals of Microbiology.
  - b) To add basic terminologies in Fundamentals of Microbiology.
  - c) It was recommended to keep the title of the paper Microbial Instrumentation as Bioinstrumentation
  - d) It was discussed to move the Lymphoid organs topic in Immunology paper before the Cells of Immune system.
  - e) It was also discussed to add Cytokine storm in Unit II of Immunology paper
  - f) Suggested to rename the paper Virology as Medical Virology.
  - g) Recommended to rename the paper Computational Biology as Bioinformatics and Chemoinformatics.
  - h) To change the sequence of title in unit to Contamination, Spoilage and Preservation in Food Microbiology.
  - i) Discussed to add topic Carbon sequestration in Environmental Microbiology.
  - j) It was discussed to add Blood cell count analysis in Immunology practical
  - k) To add Algal bioinoculant production - *Azolla* in Main Practical IV.
  - l) To add *Spirulina platensis* cultivation in Main Practical VI.

## Resolutions

- 5) It was resolved to pass and adopt the Revised syllabus for all the Six semesters of B.Sc Microbiology for the students admitted during the Academic year 2021 – 2022 and thereafter.
- 6) Internship and Online certificate courses (NPTEL/MOOCs/Other Short term courses) were included in the additional credit category.
- 7) Resolved to recommend the list of panel members for Question paper setting and Evaluation.

### **SIGNATURE OF THE MEMBERS**

<b>S.NO</b>	<b>NAME</b>	<b>MEMBERS</b>	<b>SIGNATURE</b>
1	Dr. K. Anandaraj	University Nominee	
2	Dr. P. Ganesh	Subject Expert	
3	Dr. J. Subburaj	Industrial Expert	
4	Mr. D. Tamilselvan	Meritorious Alumni	
5	Dr. P. Saranraj	Chair Person	
7	Dr. K. Amala	Board Member	
8	Dr. R. Bright	Board Member	
9	Dr. Neethu Asokan	Board Member	
10	Ms. A. Sudha	Student Representative	
11	Ms. S. Tanuja	Student Representative	