

**SOPHIA COLLEGE (AUTONOMOUS)**

MINUTES OF THE BOARD OF STUDIES (MICROBIOLOGY) MEETING HELD ON  
23<sup>rd</sup> MARCH 2019

Place: Sophia College, Room 34

Time: 11.00 a.m. onwards.

Board of Studies (composition):

Sr no.	Name	Designation
1.	Ms. Miriam Stewart	Vice Chancellor's nominee
2.	Dr. (Ms) Jyoti Kode	Expert from non-parent University (ACTREC)
3.	Dr. (Ms) Annamma Odaneth	Expert from non-parent University (ICT Matunga) <b>Granted leave of absence</b>
4.	Mr. Sivan K	Industry expert
5.	Ms. Nidhi Tomar	Meritorious alumna

Staff Members -

Sr. no.	Name	Designation
1.	Dr. (Ms) Arjumanara Surti	Head, Department of Microbiology Associate Professor, Chairperson
2.	Dr. (Ms) Gianni E. Mapara	Associate Professor (on Child Care Leave)
3.	Ms. Suparna Dugal	Associate Professor (on Medical Leave)
4.	Dr. (Ms) Rajbinder Kaur Dehiya	Associate Professor
5.	Ms. Shraddha Prabhu	Assistant Professor
6.	Ms. Jyoti Mantri	Associate Professor
7.	Mr. Vijay Vig	Assistant Professor
8.	Ms. Ruqsana Khan	Assistant lecturer (leave vacancy)

**Agenda No. 1**

**Introduction of members of BOS, Microbiology**

Dr. (Ms.) Arjumanara Surti, Head of the department of Microbiology, welcomed all the respected members of the BOS and introduced them to the departmental members present. Members of the department were introduced to the respected members of the BOS.

**Agenda No. 2**

**Opening remarks by the Head of the department included-**

- Minutes of last BOS meeting were read out.

### **Agenda No. 3**

#### **Discussion on FY syllabus**

- The changes in FYBSc syllabus suggested by the BOS members had been incorporated in syllabus and these were highlighted for the benefits of the BOS members.
- Dr. Jyoti Kode suggested that a feedback by students on topics to be included in the syllabus should be considered. Mr. Sivan supported this.
- Dr. Kode also pointed out that the topic of Introduction to Safety in Microbiological Laboratory should be included formally in the FY syllabus. Mr. Sivan shared a link to a microbiology laboratory safety website. He felt that all blood related experiments should be deleted from the syllabus in view of its infectious nature including experiments that involve use of blood based bacteriological media, such as Super Imposed Blood Agar.
- Regarding the suggestion of the cutting down of experiments in the FY practical syllabus by Ms. Miriam Stewart in the previous BOS meeting, Dr. R.K. Dehiya accepted that most of the experiments are being retained at the moment, but subsequently with a little more thought some experiments will be deleted. Dr. Surti supported this and said that the approval will be sought from the BOS members, after the change at a later time. Mrs. Stewart enquired whether the topic of the types of blood cells was being covered in theory. Ms. Prabhu assured that this was being done in theory as well.
- Mrs. Stewart suggested that at the FYBSc level, the focus should be on teaching basic and fundamental microbiological techniques to the students.

#### **Resolution**

- **The FYBSc syllabus was passed by the BOS members**

### **Agenda No.4**

#### **Discussion on SY syllabus**

- Dr. Surti pointed that as suggested in the last BOS meeting by Dr. Annamma Odaneth, that the students be exposed to overview of integration of global cellular pathways using KEGG database at some level. This was initially considered to be done at the SYBSc level. Mr. Sivan felt that including such a topic at the SYBSc level would be ambitious and beyond the comprehension of students. Dr. Surti also had the same opinion and proposed to include it in the MSc syllabus. This would also keep the flow as the topic of Bioinformatics is included in TYBSc Semester VI. Mrs. Miriam Stewart said that KEGG database can be discussed briefly with SYBSc students for the benefit of interested students. Dr. Surti informed that an add-on course for SYBSc students on Bioinformatics is being offered by the department of Life Science and the interested students have been enrolling for the same.



- Dr. Surti shared that SYBSc students were encouraged to read MSc dissertation reports of the M. Sc students in order to make them aware of the research being carried out in the department. Dr. Kode suggested that students can be asked to prepare a 10 minute presentation on the same. Dr. Surti expressed difficulty in doing so due to the number of students and the time available as well as the irregular attendance of students. Ms. Nidhi suggested that students be asked to refer to research papers instead of student dissertations, as an MSc student's work may not be perfect. Mr. Vig responded that the students are referring to both as it was suggested in their syllabus. Ms. Nidhi reattributed that research papers would be better. Dr. R.K. Dehiya informed that a value added one credit course on "Introduction to Scientific writing" for the FYBSc students has been introduced in the current academic year.

### Resolution

- It was decided that the topic KEGG database will be deleted from the SYBSc syllabus.
- **Syllabus for the SYBSc, Semester III and IV was passed by the BOS, including IA format and Examination pattern, but would be implemented starting next academic year.**

### Agenda No.5

#### Discussion on TY syllabus

- The proposed TYBSc syllabus was reviewed by the BOS and suggestions were offered.
- Mr. Sivan and Mrs. Stewart suggested that the experiment on Acid Fast Staining of *Mycobacterium tuberculosis* or *Mycobacterium leprae* specifically, be changed to the more general, Acid Fast Staining or Acid Fast staining of *Mycobacterium spp.* as it is not advisable to handle these organisms. However, these could be covered in theory.
- Dr. Jyoti Kode inquired about the depth of topics being taught under "Bioinformatics". Dr. Dehiya replied that only the basics were being covered.
- Ms. Nidhi said that emerging and reemerging viruses such as Ebola, H1N1, can be discussed while teaching Virology. Mr. Vig informed that the same have been included in the SYBSc syllabus as well as MSc syllabus.
- Dr. Kode inquired whether *Helicobacter pylori* related cancer is included in the study of cancer section. Dr. Surti said that the cancer section only covers cancers caused by viruses. Mrs. Mantri said that *Helicobacter pylori* is taught in MSc part I.
- Dr. Kode inquired whether Flow Cytometry has been included in the TYBSc paper II syllabus. Mrs. Mantri informed that it is being taught at the MSc level.
- Mr. Sivan said the Assays of Penicillin be replaced by the one on Amikacin. He informed that at the industry level, the titrimetric and turbidimetric bioassays for cyanocobalamin in are being performed using *Lactobacillus leichmannii* as the test organism and not the agar cup method. He suggested that the test strains can be ordered from stock collection centres at NCL or NCCS, Pune or IMT, Chandigarh.

- Mr. Sivan also felt that the paper III syllabus was very vast. The pathways concerning *Pseudomonas* and other specific microorganisms can be deleted from the TYBSc syllabus and included at the MSc level. The general pathways could be retained.
- To conclude the discussion on the TYBSc syllabus, Dr. Surti said that the suggestions given by the BOS members will be incorporated and the TYBSc syllabus will be re-presented in the next BOS meeting. The MSc syllabus will also be presented for discussion at that time.
- Mr. Sivan requested for the MSc syllabus draft once it was ready. Dr. Surti offered to email the grid of topics. She assured that the TYBSc paper III syllabus will be altered, especially the Semester V topics.
- Dr. Surti informed that the format of the first page of the syllabus will be decided upon by the College and will be brought to Mrs. Stewart, Vice Chancellor's nominee for her approval and signature.

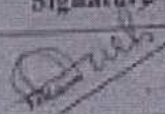
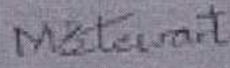




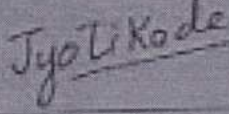
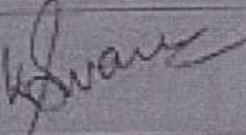
Meeting ended with a vote of thanks by Dr. Surti to all the BOS members and lunch was served.

Minutes prepared by: Dr. Rajbinder Kaur Dehiya and Mr. Vijay Vig  
Edited and Approved by: Dr (Ms) Arjumanara M Surti.



## RESOLUTION

"The Subject Board in MICROBIOLOGY for Sophia College (Autonomous), hereby approve the revised syllabus of Semester 3 and 4 of Undergraduate Studies for Microbiology course, which is to be implemented from the Academic Year 2019-20 at the meeting held on 23<sup>rd</sup> March 2019.

Name	Designation	Signature
Dr. Arjunaanara Surti	Chairperson, Board of Studies	
Mrs. Miriam Stewart	The Vice-Chancellor's Nominee	
Dr. Gianni E. Mapara	Teacher of the department	On Child Care leave
Ms. Saparna Dugal	Teacher of the department	On Medical leave
Dr. Rajbinder Deluwa	Teacher of the department	
Ms. Shreaddha Prabhu	Teacher of the department	
Mrs Jyoti Mantri	Teacher of the department	
Mr Vijay Vig	Teacher of the department	
Dr. Jyoti Kode	Subject Expert (outside the Parent University)	
Dr. Annamma Anil Odaneth	Subject Expert (outside the Parent University)	Leave of absence
Sivan K	Representative from Industry	
Nidhi Tomar	Post-graduate alumnus	