

SOPHIA COLLEGE (AUTONOMOUS)

**MINUTES OF THE ONLINE BOARD OF STUDIES (MICROBIOLOGY) MEETING
HELD ON 27TH MARCH 2021.**

Platform- ZOOM

Time: 3.00 p.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)
4.	Mr. Sivan K	Industry expert - granted leave of absence
5.	Ms. Nidhi Tomar	Meritorious alumni

Staff Members -

Sr. No.	Name	Designation
1.	Dr. (Ms) Arjumanara Surti	Head, Department of Microbiology Associate Professor
2.	Ms. Suparna Dugal	Associate Professor
3.	Dr. (Ms) Rajbinder Kaur Dehiya	Associate Professor
4.	Ms. Shraddha Prabhu	Assistant Professor
5.	Ms. Jyoti Mantri	Associate Professor
6.	Mr. Vijay Vig	Assistant Professor

Dr. (Ms.) Arjumanara Surti welcomed all the respected members of the BOS.

The minutes of the BOS meeting held on 27th October, 2020 were approved by all the BOS members

Mr. Vijay Vig shared his screen and explained the changes made in the M.Sc part 2 paper 4 (SMSMCB304 & SMSMCB404) and paper 2 (SMSMCB402) as suggested by the BOS

members in the previous meeting. Dr. Kode said techniques such as ELISA and Western Blot are important and should not be removed. Mr. V. Vig and Ms. J. Mantri pointed out that these techniques have been included in the MSc-I and the TYBSc syllabus. Mr. Vig said that he added the subtopic 'Case studies of implementation of ideas and Entrepreneurs' in the semester 4 paper 4 chapter Solid waste management on Ms. Stewart's suggestion and is looking out for an appropriate reference book on the topic. Ms. Stewart recommended using online instructional videos for the same.

Ms. S. Prabhu shared her screen and highlighted the changes incorporated in the semester 3 paper 2 (SMSMCB302) as suggested by the BOS members in the previous meeting.

Dr. Jyoti Kode inquired about how practicals were being conducted. Dr. Surti explained that the practicals are explained, related videos are screened, simulated results are provided which are interpreted by students, graphs are plotted. Students are also encouraged to attend online webinars and workshops etc.

Dr. Surti presented the paper 1 syllabus. Dr. Kode suggested that the students be made aware of predatory journals and plagiarism, and the importance of publishing in UGC recognised journals. Students should be familiar with the drawbacks of publishing in predatory journals as well as know how to identify predatory journals. Dr. Kode also pointed out that the plagiarism check should be included. She asked whether the department has received a grant for plagiarism software. Dr. Surti replied that some of these softwares are very expensive to buy.

Dr. Surti enquired and sought the approval for shifting the MSc-II Sem 3 paper 1 Research methodology (SMSMCB301) to MSc-I semester 2. Dr. Surti said that there is no point in keeping this paper in MSc-II in semester 3 as students do research project in MSc-II. She added that she will shift this research methodology paper to MSc-I and one of the MSc-I papers with no continuity will be shifted to MSc-II in exchange. Ms. Miriam Stewart agreed to this.

Dr. Odaneth suggested that some techniques in sem 4 paper 1 should be retitled as imaging techniques. The softwares available for analysing microscopic images could be demonstrated to students (by sales representatives) and offered to help with information on the same. Dr. Kode inquired whether confocal and fluorescence microscopy is one and the same or different or

whether it is a laser confocal fluorescent microscope. Dr.Odaneth suggested Dr. Surti to add Fluorescence microscopy as subtopic iii and add confocal microscopy in high resolution fluorescence microscopy techniques.

Dr. Odaneth enquired how many PG students go in for higher studies (PhD , post-doctoral) after MSc. Dr. Surti replied that most of the students go for jobs after MSc. while some students go abroad to pursue higher studies.

Dr. Surti said that students can be taken to a research institute to study instruments. She said that students will be encouraged to present the use of an advanced instrumentation technique published in a research paper for detection and separation of compounds. Dr. Odaneth said that it is a nice activity to present a technique. She mentioned that if the coming term/semester also happens on online mode, then student activity is a good idea. She added that students can be encouraged to do online courses and that there are courses by Stanford University available online. Dr. Surti said that students do a good job in student activities.

Dr. R.K.Dehiya presented proposed syllabus for paper 3 (SMSMCB303 and SMSMCB403). BOS members felt that the paper was vast therefore deleting or clubbing some topics could be considered. Dr.Odaneth suggested Dr. R.K.Dehiya to add 'genetic engineering of algae" with respect to chloroplast engineering' in semester 3 unit 1. She recommended giving some topics as student activities.

Dr. Kode pointed out that the subtopic 'using apoptosis to treat cancer' in Sem 3, 4.3 unit 4 is incorrectly phrased. Dr. R.K. Dehiya said she will rephrase the same. Dr. Kode offered to help in arranging guest lectures for the topic of Tissue engineering.

Ms. Stewart suggested shifting the unit 1 topic of Pharmaceutical Biotechnology to Semester 3. Dr. R. K. Dehiya replied that since the topic is clubbed with Bioethics, shifting a part of it would require to fit Bioethics elsewhere. Ms. Nidhi Tomar suggested that case studies could be taken up under the topic of Entrepreneurship. Ms. Stewart enquired with Dr. R. K. Dehiya whether she has any guest lecturer in mind to teach the topic of Entrepreneurship ventures and startups. Dr. Odaneth recommended inviting speakers from IIT incubators, CCMB incubators and Venture, Pune. She also suggested that the Semester 4 units 3 and 4, be reframed and that the first

generation, second generation, third generation and fourth generation biofuels be included under the topic of Microbial biofuels. Dr. Odaneth also inquired about the reference book for this topic and offered to help in framing the topics for this unit.

The meeting ended with this.

The modifications suggested by the BoS members for M Sc II syllabus were mailed to them and the syllabus was approved by them for implementation in the academic year 2021-2022.

The FYBSc syllabus with minor changes proposed by the department was shared with the Board of Studies members. They approved the changes and the syllabus was passed for implementation in the academic year 2021-22.

Resolution:

M Sc II and FYBSc syllabi were approved by the Board of Studies.

Minutes of the meeting prepared by - Dr. Rajbinder Kaur Dehiya and Mr. Vijay Vig

Edited and approved by

Dr Arjumanara M Surti




DEPARTMENT OF MICROBIOLOGY
SOPHIA COLLEGE (AUTONOMOUS), MUMBAI
RESOLUTION FOR APPROVAL OF SYLLABUS CHANGE

“The Subject Board in Microbiology, SOPHIA COLLEGE (Autonomous), hereby approves the revised syllabi for:

- MSc 2 course of studies for third and fourth semester.
- FYBSc course of studies for the first and second semesters

which is being implemented from the academic year 2021-22”, at the online meeting held on 27th March 21.

SUBJECT BOARD- DEPARTMENT OF MICROBIOLOGY

Representation	Name	Affiliation	Signature
Chairperson: Head of the Department	Dr.(Ms).Arjumanara Surti	Associate Professor and Head, Sophia College	
Department faculty members			
	Ms.Suparna Dugal	Associate Professor, Sophia College	
	Dr.(Mrs) Rajbinder Dehiya	Associate Professor, Sophia College	
	Ms.Shraddha Prabhu	Assistant Professor, Sophia College	
	Mrs.Jyoti Mantri	Associate Professor, Sophia College	
	Mr.Vijay Vig	Assistant Professor, Sophia College	

VC nominee	Mrs.Miriam Stewart	Associate and Head of Dept of Microbiology, St.Xavier's College	<i>M Stewart</i>
Industry Expert	Sivan K	Deputy General Manager , RIS Healthcare Technologies Private Limited	<i>Leave of absence</i>
Subject Experts from other Universities	Dr.Jyoti Kode	Scientific officer F, ACTREC	<i>Jyoti Kode</i>
	Dr.Annamma Anil Odaneth	Associate Professor, DBT-ICT Centre for Energy Biosciences Institute of Chemical Technology	<i>Annamma</i>
Postgraduate meritorious alumni	Mrs.Nidhi Tomar	Ennature Biopharma, India Glycols Limited Life science	<i>Nidhi</i>