



**Department of Life Sciences,  
Sophia College (Autonomous), Mumbai  
11<sup>th</sup> Meeting of the Board of Studies (Life Sciences)  
Held on Saturday 28th October, 2023, at 10.30 am  
Venue: Virtual Meeting on Zoom platform.**

**MEMBERS:**

<b>Name</b>	<b>Designation</b>
Dr. Sree Nair	<b>Chairperson:</b> Assistant Professor and Head, Department of Life Sciences, Sophia College (Autonomous), Mumbai
Dr. Priya Sundarrajan	<b>Vice Chancellor's Nominee:</b> Associate Professor, Department of Life Sciences and Biochemistry, St. Xavier's College (Autonomous), Mumbai
Dr. Indu Anna George	<b>Subject Expert:</b> Associate Professor and Head, Department of Life Sciences, University of Mumbai
Dr. Krishanu Ray	<b>Subject Expert</b> (from outside the parent university): Professor and Chairperson, Department of Biological Sciences, TIFR, Mumbai.
Dr. Swati Patankar	<b>Subject Expert</b> (from outside the parent university): Professor, Department of Biosciences and Bioengineering IIT-Mumbai.
Dr. Aditee Ghate	<b>Representative from the Industry or the Corporate Sector/ Allied Area:</b> General Manager -Compliance and Commercial Excellence Integrace Health
Dr. Radhika Tendulkar	<b>Post-Graduate Meritorious Alumnus</b> Assistant Professor, Department of Life Sciences and Biochemistry, St. Xavier's College (Autonomous), Mumbai

To discuss changes and suggest further improvisations/any editing required in the approved syllabi for implementation in the academic year 2023-2024.

The meeting was held on 28<sup>th</sup> October 2023 as an online meeting using a zoom platform.

The members who attended the meeting were Dr Swati Patankar, Dr Radhika Tendulkar, Dr Priya Sundarajan, Dr Indu George, Dr Sree Nair, Mr. Mayur Gaikwad, Ms. Rhea Nawalkar and Dr Tressa Jacob.

The meeting commenced at 10.30 am as per the agenda scheduled for the meeting. The chairperson welcomed and introduced all members attending the BOS meeting. Dr Nair welcomed the members and mentioned that the next meeting will have to be an offline meeting. She proposed the agenda to be discussed in the meeting.

**Agenda 1:** To pass the minutes of the tenth BOS meeting held on **2<sup>nd</sup> May , 2023.**

The minutes of the 10th BOS was proposed by Dr. Sundarajan and seconded by Dr. Tendulkar

**Agenda 2: FYBSc Life Sciences Courses:** To discuss and approve Syllabus introduced for FYBSc Life Sciences Courses of studies under NEP, for the Second Semesters, for the Academic Year 2023-2024. To recommend changes if any required.

Dr Nair introduced that the FYBSc courses offered in the second semester by the department will be : 1 Major paper, 2 Vocational Skill courses (VSC), 1 open elective (OE) and no Indian knowledge system (IKS).

The major paper (theory) would not have any changes and would be with the same units as the earlier non NEP syllabus. The change in the practicals for the major paper was discussed.

The change was inclusion of a new practical: Chironomous larvae- Study of giant chromosomes from salivary glands.

The VSC I - Science of Genetics and VSCII - Bioecology theory topics for VSC I and the OE were put forth and discussed

The practicals for the VSC I and VSC II were shared. The evaluation pattern was also discussed and there was a query about the mark allocation for class participation. And it was explained that the exam committee had issued clear guidelines regarding the percentage of attendance and marks to be awarded.

### **Member suggestions to Agenda 2:**

The inclusion of the Chironomous practical was found appropriate and was not objected by the board members.

For the VSCI and VSC II theory topics no changes were suggested by the members.

VSCI practicals no objections. VSCII practical change in the naming of the practical

- a) From construction of foldscope to *Construction of foldscope and biodiversity analysis*
- b) From Polyploidy of onion root tip to *Cytogenetics of onion root tip was suggested by Dr Sunderaj.*
- c) No suggestions for the OE topics were made

**Agenda 3:** To discuss the existing approved Syllabus introduced for SYBSc Life Sciences Courses of studies, for the Third and Fourth Semesters, for the Academic Year 2023-2024. To recommend changes if any required.

**Member suggestions to Agenda 3:** None

**Agenda 4: TYBSc Life Sciences Courses:** To discuss the existing approved Syllabus for TYBSc Life Sciences Courses of studies, for the Fifth and Sixth Semesters, for the Academic Year 2023-2024. To recommend changes if any required.

**Member suggestions to agenda 4:** None

**Agenda 5: M.Sc Life Sciences Courses:** To discuss changes and suggest further improvisations/any editing required in the approved syllabi for implementation in the academic year 2023-2024.

To recommend changes if any required.

**Member suggestions to agenda 5:** Change or renaming of practicals like MTT and pregnancy kit to application based practicals was suggested by Dr Sunderraj.

The meeting ended at 11.40 am with Dr Sree Nair thanking the Board of studies members for their suggestions and discussions.

**Minutes of the Meeting of the 10th BOS**  
 Department of Life Science, 10th Meeting of the Head of Institute (H.O.I.)  
 Date: 04th Nov, 2023 at 10:45 AM, Venue: Virtual Meeting on Zoom platform

1. The chairperson welcomed and introduced all members attending the BOS meeting.

2. Members present:  
 Dr. Priya Sundarajan, Dr. Sunil B. Nair (Chairperson), Dr. Geetanjali Goudaraj, Dr. Swati Patankar, Dr. Tressa Jacob, Dr. Mayur Gaiikwad and Ms. Kajal Sankhala, Dr. Rashika Trivedikar, Dr. Indu Anna George

1. The meeting commenced at 11:00 am as per the agenda scheduled for the meeting.

**Agenda 1** | **Agenda 2**

To pass the minutes of the 9th BOS meeting held on 09/08/2023

**10th BOS** was presided by Dr. Priya Sundarajan and Dr. Sunil B. Nair (Chairperson).

**Member suggestions to Agenda 2: For Paper 1**  
 The members suggested moving microorganisms synthesis to the next unit and introducing DNA in Unit 1. Further Dr. Sundarajan suggested introducing bonds before water and incorporating the basics of all the topics in paper 2 and 2. Towards changes in the title of practical paper 1. Dr. Swati Patankar suggested incorporating changes in the title for a few practicals like analysis techniques or 'Specialty practices and safety' in practical paper 1. Dr. Sundarajan also suggested giving a content for details before teaching them those techniques hence the FY syllabus was ratified with the changes suggested by the BOS members.

**Proposed VSC 1**

Course Title: Science of Genetics		Course Code: SSSC260
Lectures per week (1 Lecture is 40 minutes)	4	
Total number of hours for the Semester	20	
Credits	5	
Evaluation System	Continuous Assessment	20 marks
	Practical	20 marks
Class Participation		10 marks

**ASSESSMENT DETAILS**

	Type of Assessment	
	Summative Assessment	Continuous Assessment
Marks	50	50
Number of Activities	01	02

Single Head of Passing (student should score at least 40 out 100 marks to PASS)

Recording

Prof. Indu Anna George, Tressa Jacob, Mayur Gaiikwad, Swati Patankar, Dr. Indu Anna George

Zoom Meeting

Prof. Indu Anna George, Mayur Gaiikwad, Swati Patankar, Tressa Jacob

*Indu Anna George*

HoD  
 Department of Life Science