



**Department of Life Sciences,
Sophia College (Autonomous), Mumbai
12th Meeting of the Board of Studies (Life Sciences)
Held on Saturday 23rd April, 2024, at 10.30 am
Venue: Virtual Meeting on Zoom platform.**

MEMBERS:

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

Minutes of the meeting:

To discuss changes and suggest further improvisations/any editing required in the approved syllabi for implementation in the academic year 2024-2025.

1. The chairperson welcomed and introduced all members attending the BOS meeting.
2. The meeting was held on 23rd April, 2024, at 11.00 am as an online meeting using a zoom platform.
3. The meeting started at 11.00am instead at 10.30am due to an ongoing NAAC meeting.
4. The members who attended the meeting were Dr Swati Patankar, Dr Priya Sundarajan, Dr Indu George, Dr Sree Nair, Mr.Mayur Gaikwad, Dr.Geetanjali Ganguli, Ms.Rhea Nawalkar and Ms.Archana Jethwa.
5. Dr Nair proposed the agenda to be discussed in the meeting.

Agenda 1: To pass the minutes of the eleventh BOS meeting held on **28th Oct, 2023.**

The minutes of the 11th BOS was proposed by Dr. Sundarajan and seconded by Mr.Gaikwad.

Agenda 2: To discuss the existing approved Syllabus introduced for FYBSc (NEP) Life Sciences Courses of studies, for the First and Second Semesters, for the Academic Year 2024-2025. To recommend changes if any required.

Member suggestions to Agenda 2: None

Agenda 3: To discuss the NEP Syllabus introduced for SYBSc Life Sciences Courses of studies, for the Third semester, for the Academic Year 2024-2025.

The syllabus was divided into two major papers, 2 credits for FP and 2 credits for CC.

Member suggestions to Agenda 3:

1. Dr. Priya suggested to introduce minor courses such as VSC, SEC etc.
2. Major paper I:
 - a. The members suggested reducing the number of experiments or merging similar experiments.
 - b. For unit 2 (Control & Coordination in Plants and Animals), Dr. Indu G. suggested introducing topics like tropism in plants, eg- phototropism, gravitropism etc.
 - c. Mr. Mayur Gaikwad stated that we will concentrate on doable practicals and reduce demonstration based practicals.
3. For Major paper II:
 - a. Since GLP is incorporated in each experiment and in order to decrease the number of practicals due to paucity of allotted hours, it was suggested by the members as GLP be removed from paper.

- b. The members also suggested eliminating the description of practicals and keeping only headings.
- 4. It was approved that CC and FP if needed could be introduced in the syllabi.

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 2024-2025. 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 syllabi for implementation in the academic year 2024-2025.

To recommend changes if any required.

Member suggestions to agenda 5:

1. The MSc Part I syllabus (NEP) had no changes.
2. The MSc Part II syllabus (NEP):
 - a. The members gave consent to the proposed syllabus.
 - b. It was resolved that the 'Khandala Retreat' may be included as a part of evaluation, and be included in the syllabus. If any student for any genuine reason misses out Khandala, they could be given an alternative method of evaluation. In syllabus Khandala Retreat has to be mentioned under evaluation with an OR option and Dr. Nair agreed to this.
 - c. The members suggested adding a description of the practicals for elective paper. Eg. Patents- Filing a patent, rules to file etc. IPR- types, procedure to file.

The BoS members appreciated the efforts taken by the department.

Dr Sree Nair thanking the Board of studies members for their suggestions and discussions.

The chair thanked everyone for attending the meeting .

The meeting ended at 12.45pm.

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SY SEMESTER III Courses to be offered

	Major Paper Comparative physiology-I	Major Paper Science of Genetics	
TITLE			CC/Coculture water activities and EP/Source based projects Needs suggestions from the faculty members regarding the same
TYPE OF COURSE	BSc	BSc	
SEMESTER	3-4	3-4	
CREDITS			

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Project of SHM 2020/21

- 1. To study the effect of temperature on the growth of the culture.
- 2. To study the effect of pH on the growth of the culture.
- 3. To study the effect of salinity on the growth of the culture.
- 4. To study the effect of light on the growth of the culture.
- 5. To study the effect of CO2 on the growth of the culture.
- 6. To study the effect of O2 on the growth of the culture.

These studies will be conducted in parallel to the other projects being done.

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VUJ ANNUAL NOBEL LECTURE

- 1. Dr. Ardhana Jithara
- 2. Dr. Ardhana Jithara
- 3. Dr. Ardhana Jithara
- 4. Dr. Ardhana Jithara
- 5. Dr. Ardhana Jithara
- 6. Dr. Ardhana Jithara
- 7. Dr. Ardhana Jithara
- 8. Dr. Ardhana Jithara
- 9. Dr. Ardhana Jithara
- 10. Dr. Ardhana Jithara
- 11. Dr. Ardhana Jithara
- 12. Dr. Ardhana Jithara

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I will find for everyone in the network...

Ardhana Jithara

HoD
Department of Life Science