



Anekant Education Society's

**TuljaramChaturchand College of Arts, Science  
and Commerce, Baramati  
(Autonomous)**

**Department of Botany**  
(Faculty of Science and Technology)

**Minutes of Board of Studies Meeting**

**(Academic Year: 2020-2021)**

**Date of Meeting: 11/05/2020**

**Venue: Department of Botany/Offline**

---

May, 2020



Anekant Education Society's  
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati  
(Autonomous)

Department of Botany  
SECOND MEETING OF BOARD OF STUDIES IN BOTANY

Academic Year 2020-2021

On 11/05/2020 at 11.30 am on wards

**AGENDA of meeting**

1. To confirm the minutes of the previous meeting held on 08/04/2019.
2. To design and approve curriculum of S. Y. B. Sc. Semester III and Semester IV (2019 pattern) to be implemented from the academic year 2020-2021.
3. To design and approve curriculum of M. Sc. II Semester III and Semester IV (2019 pattern) to be implemented from the academic year 2020-2021.
4. To discuss and incorporate the relevant feedbacks of the stakeholders (students, teachers, parents, alumni and employers) in the curriculum.



  
Chairman  
Board of Studies in Botany

Anekant Education Society's  
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati  
(Autonomous Status)  
(Affiliated to Savitribai Phule Pune University, Pune)


**BOARD OF STUDIES IN BOTANY**

**ATTENDANCE**

The Second Meeting of Board of Studies in Botany was held on 11/05/2020 at  
11.30 am and following members were present for the meeting :

1. rin. Dr. Chandrashekhar Murumkar
2. Dr. Shashikant Chavan - Member
3. Dr. Bhagwan Mali - Member
4. Dr. Mahadev Kanade - Member
5. Dr. Ajit Telave - Member
6. Dr. Rupali Chitale - Member
7. Dr. Smt. Madhuri Patil - Member
8. Prof. Dr. M. M. Sardesai - Member (Expert from SPPU, Pune)
9. Dr. V. B. Shimpale - Member (Expert from other university)
10. Dr. M. V. Gokhale - Member (Expert from other university)
11. Dr. V. V. Kedage - Member (Representative from Industry)
12. Dr. H. S. Patil
13. Dr. K. R. Randive
14. Dr. G. C. Nikalje
15. Dr. Juned Bagwan



  
Chairman, BoS Botany

## MINUTES OF THE MEETING

The meeting of Board of Studies in Botany was successfully held on 11/05/2020 at 11:30 am in the Department of Botany, T. C. College, Baramati. The meeting took place offline, adhering to the guidelines and protocols set by the college under the guidance of Chairman of the Board of Studies in Botany.

The meeting commenced with a warm welcome to all the esteemed members, followed by a brief introduction of the meeting's objectives.

During the meeting, fruitful discussions were held on the items mentioned in the circulated agenda. We are pleased to inform you that the following resolutions were made during the BOS meeting.

1. To confirm the minutes of the BOS meeting held on 08/04/2019.

Res. No. 1 The minutes of the previous Board of Studies meeting were approved and confirmed.

2. To design and approve curriculum of S. Y. B. Sc. Semester III and Semester IV (2019 pattern) to be implemented from the academic year 2020-2021.

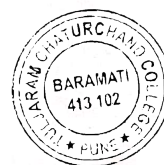
Class	Pattern	Semester	Course Code	Course Title	No. of Credits	Course type
S.Y. B. Sc.	2019	III	BOT2301	Angiosperms Taxonomy	03	Theory
			BOT2302	Plant Physiology	03	Theory
			BOT 2303	Practical I	02	Practical
		IV	BOT2401	Anatomy and Embryology	03	Theory
			BOT2402	Plant Ecology	03	Theory
			BOT 2403	Practical II	02	Practical

S.Y. B.Sc., Semester - III, Paper - I : Taxonomy of Angiosperms was discussed by Dr. S. J. Chavan, Paper - II : Plant Physiology was discussed by Dr. B. S. Mali, Semester - IV, Paper - I : Anatomy and Embryology was discussed by Dr. M. B. Kanade and Paper - II : Plant Ecology was discussed by Dr. A. B. Telave.

After discussion the syllabi the following suggestions given by BoS members :

Taxonomy of Angiosperms

- Prof. Sardesai Milind suggested that herbarium of dominant plants should be prepared and ICN nomenclature system is to be followed.



- Dr. Vinod Shimpale suggested that include the Apocynaceae family in place of Asclepiadaceae.

#### Plant Physiology

- Dr. Mahesh Gokhale suggested that in plant water relationship fluid mosaic model of membrane to be incorporated.
- Dr. Nikalje Ganesh suggested that plant growth curve point is to be added.

#### Anatomy and Embryology

- Dr. Kedage Vinayak suggested that development of endosperm point is to be added.
- Dr. Mahesh Gokhale suggested that incorporate embryogenesis and morphology of seed points in the paper.

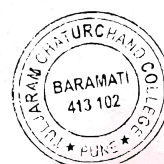
#### Plant Ecology

- Dr. Nikalje Ganesh suggested that cancel the mineral cycles because these are already taught in the XIIth standard and to remove mesophyte type and add new groups halophytes and epiphytes.

**Resolution No. 2:** The curriculum for S.Y. B.Sc. Semester - III and Semester - IV (2019 pattern) has been unanimously approved by all members of the BOS.

**3. To design and approve curriculum of M. Sc. II Semester III(2019 pattern) to be implemented from the academic year 2020-2021.**

M.Sc. II	2019	III	BOT5301	Angiosperms and Evolution	04	Theory
			BOT5302	Developmental Botany	04	Theory
			BOT5303	Computational Botany	04	Theory
			BOT5304	Elective Papers Advanced Mycology and Plant Pathology - II Advanced Physiology - II	04	Theory
			BOT5305	Practical based on BOT5301, BOT5302 and BOT5303	04	Practical
			BOT5306	Practical based on Elective Paper	04	Practical
	IV	BOT5401	Plant Pathology	04	Theory	
		BOT5402	Industrial Botany	04	Theory	
		BOT5403	Plant Biotechnology	04	Theory	
		BOT5404	Elective Papers Advanced Mycology and Plant Pathology - II Advanced Physiology - II	04	Theory	



			II		
		BOT5405	Practical based on BOT5401, BOT5402 and BOT5403	04	Practical
		BOT5406	Project	04	Practical

Dr. Mrs. M. P. Patil explained the titles and syllabi of M. Sc. II, Semester – III and IV and unanimously the titles M.Sc. II were finalized

After discussion the syllabi by Dr. Madhuri Patil the following suggestions given by BoS members :

Angiosperms and Evolution

Dr. Nikalje Ganesh suggested that addition of molecular phylogeny.

Computational Botany

Dr. Nikalje Ganesh suggested addition of principle component analysis and use of primers designing points.

Advanced Plant Physiology

Mr. Bagawan Juned suggested that recent methods used for seed dormancy point may be added.

Advanced Mycology and Plant Pathology

Dr. Ranadive Kiran suggested that anatomical peculiarities of fungi, Ainswoth's classification, paleomycology and ethnomycology points are to be added.

Practical's Based on BOT 5301, 5302 and 5303

Dr. Vinod Shimpale suggested that prepare the key of plants during excursion and motif findings in protein, interpretation of experimental results using principle component analysis.

Practical's based on special paper Advanced Plant Physiology

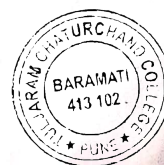
Dr. Nikalje Ganesh suggested that estimation of glycine-betaine practical is to be added.

Industrial Botany

Dr. Kedage Vinayak suggested incorporation of distribution of economical important algae point.

Plant Biotechnology

Dr. Bagawan Juned suggested the addition of vectors used for plant transformation point.



## Advanced Plant Physiology

Dr. Nikalje Ganesh suggested that effect of heat stress on crop productivity is to be added.


**Resolution No. 3:** The curriculum for M. Sc. II Semester - III and Semester - IV (2019 pattern) has been unanimously approved by all members of the BOS.

- 4. To discuss and incorporate the relevant feedbacks of the stakeholders (students, teachers, parents, alumni and employers) in the curriculum.**

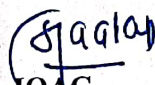
The Chairman initiated the discussion by highlighting the importance of incorporating feedback from both Alumni and current students in the syllabus design process. The department created a curriculum feedback form and distributed it to students, teachers, parents, alumni, and employers. Subsequently, the stakeholders filled out the feedback forms. It was noted that their insights and suggestions would greatly contribute to creating a curriculum that aligns with the needs and expectations of the students. Therefore, the BOS members reviewed the feedback and suggestions given by the alumni and students and incorporated the relevant suggestions into the curriculum of S.Y. B.Sc. and M. Sc. II Botany.


**Resolution No. 4:** Considered and Approved

The meeting of BOS concluded with the vote of thanks by Dr. S. J.Chavan.

  
Chairman  
Board of Studies



  
IQAC  
Coordinator

  
Principal