

**K.T.S.P. MANDAL'S**  
**SAHEBRAOJI BUTTEPATIL MAHAVIDYALAYA, RAJGURUNAGAR**  
**DEPARTMENT OF MICROBIOLOGY**

**Demo/Seminar Topics Record M.Sc. I A.Y.2025-2026**

**MB 526 MJ -Nitrogen Metabolism, Respiration and Photosynthesis**

**Elective Theory Sem- II**

| Roll No | Name of Students     | Topic Name                                                            | Sign            |
|---------|----------------------|-----------------------------------------------------------------------|-----------------|
| 1       | Rakshe Shraddha .S.  |                                                                       |                 |
| 2       | Bhosale shruti . K.  | Electron donor other than water in anoxygenic photosynthetic bacteria | <u>Shruti</u>   |
| 3       | Shinde Gauri .V.     | Non-cyclic bacterial photophosphorylation                             | <u>Gauri</u>    |
| 4       | Naikade Namarata .V. | Plant Photosynthesis                                                  | <u>Naikade</u>  |
| 5       | Yewale Shrutika .S.  | cyclic Photophosphorylation                                           | <u>Shrutika</u> |
| 6       | Wayal Anuj .M.       |                                                                       |                 |
| 7       | Medankar Ankita .V.  |                                                                       |                 |
| 8       | Dawane Triveni .K.   | cyclic phospho Triveni kaitas + rylation                              | <u>MDawane</u>  |
| 9       | Bhor Vaishnavi .S.   | plant photosynthesis                                                  | <u>Bhor</u>     |
| 10      | Erande Rutuja .A.    | Bacterial photosynthesis                                              | <u>ERande</u>   |
| 11      | Varude Prerana .P.   |                                                                       |                 |
| 12      | Kusalkar Khushi .S.  | Bacterial Photosynthesis, Photoautotrophs, scope, Photosystem         | <u>Khushi</u>   |
| 13      | Kakade Pratiksha.R   | Biochemistry of methanogens                                           | <u>Kakade</u>   |
| 14      | Ankush Aparna.A.     |                                                                       |                 |

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Seminar Record-A.Y.-2025-2026

M.Sc. (Microbiology) Part-I [Semester - II] (NEP 2020)

Course Code – MB 553 MJ

Course Title: Laboratory Techniques and Instrumentation

| Roll No. | Name of Student           | Topic Name                                                    | Sign             |
|----------|---------------------------|---------------------------------------------------------------|------------------|
| 1        | Rakshe Shraddha Sanjay    |                                                               |                  |
| 2        | Bhosale Shruti Kaluram    | Gel Filtration and ion-exchange Chromatography                | <i>Shruti</i>    |
| 3        | Shinde Gauri Vijay        | Affinity chromatography<br>Fast liquid Protein chromatography | <i>Gauri</i>     |
| 4        | Naikade Namrata Vitthal   |                                                               |                  |
| 5        | Yewale Shrutika Shivaji   | Gas Chromatography and Reversed Phase Chromatography          | <i>Shrutika</i>  |
| 6        | Wayal Anuj Machhindra     | Agarose Gel electrophoresis                                   | <i>Anuj</i>      |
| 7        | Meadankar Ankita Vinayak  |                                                               |                  |
| 8        | Dawane Triveni Kailas     | capillary electrophoresis<br>electric focusing                | <i>Triveni</i>   |
| 9        | Bhor Vaishnavi Sandip     | two dimensional electrophoresis<br>immunoelectrophoresis      | <i>Vaishnavi</i> |
| 10       | Erande Rutuja Anil        | Introduction to Spectroscopy.                                 | <i>Erande</i>    |
| 11       | Varude Prerana Pravin     |                                                               |                  |
| 12       | Kusalkar Khushi Sanjay    | Mass spectrometry                                             | <i>Khushi</i>    |
| 13       | Kakade Pratiksha Rajendra | Fluorescence Spectroscopy                                     | <i>Pratiksha</i> |
| 14       | Ankush Aparna Ananda      |                                                               |                  |

*Dr. H. S. Patil*  
Teacher Incharge

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DEPARTMENT OF MICROBIOLOGY

Seminar Record-A.Y.-2025-2026

M.Sc.(Microbiology) Part-II [Semester - IV] (NEP 2020)

Course Code - MB 621 MJ

Course Title: Pharmaceutical Microbiology

| Roll No | Name of Students          | Topic Name                                   | Date   | Sign            |
|---------|---------------------------|----------------------------------------------|--------|-----------------|
| 1       | Karale Mayuri Shyamrao    | Drug Nomenclature System                     |        | <u>Karale</u>   |
| 2       | Gaykar Dhanashri Ashok    | Rational Drug design                         |        | <u>Gaykar</u>   |
| 3       | Wakchaure Atharva Ashok   |                                              |        |                 |
| 4       | Kawade Sakshi Anil        | classification of Drugs                      |        | <u>Sakshi</u>   |
| 5       | Kharate Tejshri Bhaurao   | Pharmacokinetics & pharmacodynamics of Drugs |        | <u>Kharate</u>  |
| 6       | Gandhile Vaishnavi Suresh |                                              |        |                 |
| 7       | Bhalerao Poonam Pravin    | Ministry of AYUSH                            |        | <u>Bhalerao</u> |
| 8       | Mandale Rutika Ramdas     | Drug Absorption                              | 6/4/26 | <u>Mandale</u>  |
| 9       | Salunke Akshada Anil      |                                              |        |                 |
| 10      | Khandare Akash Arjun      | CLSI Guidelines.                             |        | <u>Akshada</u>  |

K. S. Patil  
Teacher Incharge



**K. T. S. P. MANDAL'S**  
**Sahebraoji Buttepatil Mahavidyalaya, Rajgurunagar**  
**Tal – Khed, Dist- Pune 410 505**

**A. Y. 2025-2026**

**Department of Microbiology**  
**REPORT ON SEMINARS**

In the field of higher education, the holistic development of students is one of the major objectives of the teaching-learning process. To achieve this objective, various student-centric teaching-learning methods are adopted by the department. Student seminars are one such effective method, which provides students with an opportunity to develop their subject knowledge, presentation skills, scientific communication skills, confidence and critical thinking abilities.

The Department of Microbiology conducted seminars for the students of M.Sc. Part I and M.Sc. Part II during the academic year 2025–2026. A total of 14 students from M.Sc. I and 10 students from M.Sc. II participated in the seminar activity.

The seminars were conducted for the subjects MB-526 Nitrogen metabolism, Respiration and Photosynthesis, MB-533 laboratory techniques and Instrumentation, MB-621 Pharmaceutical Microbiology. Students were allotted topics related to their respective subjects and were encouraged to prepare presentations using relevant scientific literature and reference material.

Each student presented the allotted topic before the faculty members and fellow students. The presentations were followed by discussion and interaction, which helped students improve their understanding of the subject and develop their scientific presentation and communication skills.

The seminar activity proved beneficial in enhancing students' confidence, independent learning, subject knowledge, presentation skills, scientific temperament and ability to communicate scientific information effectively. Student seminars are widely used as a student-centric method to develop presentation and communication skills in Microbiology education.

**Department of Microbiology**

**Head**

**Department of Microbiology**  
**Sahebraoji Buttepatil Mahavidyalaya**  
**Rajgurunagar Pune. 410 505**

