

Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur

**P.G. Department of Microbiology**  
**M. Sc. Semester-II (2022-2023)**

**Microbiology Paper I**

Name of Teacher – Ms. Asmita Phophate

Sr No.	Name of Student	Seminar Topic
1.	Akanksha V. Meshram	Factors influencing eutrophication process
2.	Ashwini D. Nandanwar	Control of eutrophication
3.	Asmita A. Wagh	Biodeterioration of woods
4.	Diksha S. Choube	Applications of immobilized enzymes
5.	Janhavi D. Parbat	Biomagnifications of chlorinated hydrocarbons and pesticides
6.	Kaniz A. Sheikh	Biotransformation of pesticides
7.	Komal N. Nibrad	Bioleaching of ores
8.	Nimmi D. Kumbhare	Leaching techniques and applications
9.	Nisha G. Khaparde	Biodegradation of plastics
10.	Prachi P. Thakur	Waste water management using activated sludge
11.	Pratiksha R. Teltumde	Aerated lagoons
12.	Rutuja R. Meshram	Trickling filter
13.	Sejal U. Nilatkar	Concept of phytoremediation and applications
14.	Shivani R. Vikhar	Ozone depletion
15.	Simran V. Bode	Green house effect
16.	Sushma D. Lilhare	Acid rain

17.	Vaibhav S. Jaronde	Global warming and climate change
18.	Vaishnavi Nannaware	Acid mine drainage and associated problems
19.	Vaishnavi M. Shende	Rotary biological contractors
20.	Vanshika A. Gandhare	Fluidized bed reactors

*Aphophate*

Signature of Teacher

Mrs. Asmita Phosphate



*Gulhane*

Dr. Pranita Gulhane  
Head of the Department

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**Microbiology Paper II**

Name of Teacher – Ms. Manali Kakde

Sr No.	Name of Student	Seminar Topic
1.	Akanksha V. Meshram	Secondary metabolites
2.	Ashwini D. Nandanwar	Plants secondary metabolites
3.	Asmita A. Wagh	Polypeptides
4.	Diksha S. Choube	Polynucleotides and polysaccharides
5.	Janhavi D. Parbat	Biopolymers
6.	Kaniz A. Sheikh	Brief outline and functions of polyamines
7.	Komal N. Nibrad	Antibiotic resistance
8.	Nimmi D. Kumbhare	Mechanisms of antibiotic resistance
9.	Nisha G. Khaparde	Chloramphenicol
10.	Prachi P. Thakur	Fucanazole
11.	Pratiksha R. Teltumde	General account of pigments
12.	Rutuja R. Meshram	Bacteriochlorophylls
13.	Sejal U. Nilatkar	Carotenoids
14.	Shivani R. Vikhar	Rhodopsin and accessory pigments
15.	Simran V. Bode	Characteristics of fats and water soluble vitamins
16.	Sushma D. Lilhare	Xerophthalmia

17.	Vaibhav S. Jaronde	Beri Beri
18.	Vaishnavi Nannaware	Osteoporosis
19.	Vaishnavi M. Shende	Osteomalacia
20.	Vanshika A. Gandhare	Cheilosis, Glossitis



Signature of Teacher

Ms. Manali Kakde



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**M.Sc. Semester-II (2022-2023)**

**Microbiology Paper III**

Name of Teacher – Dr. Pranita Gulhane

Sr No.	Name of Student	Seminar Topic
1.	Akanksha V. Meshram	Stages of infection
2.	Ashwini D. Nandanwar	Entry, spread and tissue damage
3.	Asmita A. Wagh	Mechanism of bacterial adhesion
4.	Diksha S. Choube	Colonization and invasion of mucous membranes of respiratory
5.	Janhavi D. Parbat	Klebsiella pneumoniae
6.	Kaniz A. Sheikh	Bordetella pertussis
7.	Komal N. Nibrad	Clostridium difficile
8.	Nimmi D. Kumbhare	Multi drug resistant tuberculosis
9.	Nisha G. Khaparde	Histoplasma capsulatum
10.	Prachi P. Thakur	Candida albicans
11.	Pratiksha R. Teltumde	Entamoeba histolytica
12.	Rutuja R. Meshram	Plasmodium vivax
13.	Sejal U. Nilatkar	Pneumocystis carinii
14.	Shivani R. Vikhar	Aggressins and toxins
15.	Simran V. Bode	Leishmania donovani
16.	Sushma D. Lilhare	Hymenolepis nana

17.	Vaibhav S. Jaronde	Schistosoma haematobium
18.	Vaishnavi Nannaware	Pneumocystis carinii
19.	Vaishnavi M. Shende	Streptococcus suis
20.	Vanshika A. Gandhare	Proteus vulgaris

*Pranita Gulhane*

Signature of Teacher

Dr. Pranita Gulhane



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**M. Sc. Semester-II (2022-2023)**

**Microbiology Paper IV**

Name of Teacher – Dr. Sapna Baghel

Sr No.	Name of Student	Seminar Topic
1.	Akanksha V. Meshram	Hematopoiesis
2.	Ashwini D. Nandanwar	Antigenpresenting cells
3.	Asmita A. Wagh	Mechanism of cell migration
4.	Diksha S. Choube	Intracellular cell adhesion molecules
5.	Janhavi D. Parbat	Cytotoxic T Cells
6.	Kaniz A. Sheikh	Natural Killercells
7.	Komal N. Nibrad	Antibody-Dependent cell mediated cytotoxicity
8.	Nimmi D. Kumbhare	T-Cell dependent and T-cell independentdefense mechanisms
9.	Nisha G. Khaparde	Malignant Transformation of cells
10.	Prachi P. Thakur	Oncogenes and cancer induction
11.	Pratiksha R. Teltumde	Mechanism of Graftrejection
12.	Rutuja R. Meshram	Central and peripheral tolerance to self antigens
13.	Sejal U. Nilatkar	Mechanism of induction of naturaltolerance
14.	Shivani R. Vikhar	Natural Killercells
15.	Simran V. Bode	Antibody-Dependent cell mediated cytotoxicity
16.	Sushma D. Lihare	Biological functions of complement system

17.	Vaibhav S. Jaronde	Bacterial Agglutination
18.	Vaishnavi Nannaware	Immunofluorescence
19.	Vaishnavi M. Shende	Radioimmuno assay
20.	Vanshika A. Gandhare	ELISA

*SBaghel*

Signature of Teacher

Dr. Sapna Baghel



*Pranita Gulhane*

Dr. Pranita Gulhane  
Head of the Department

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