

Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
**P.G. Department of Microbiology**  
**M. Sc. Semester-II (2019-20)**  
**Microbiology Paper I**  
Name of Teacher –Ms. Dhanashree Badwaik

Sr. No.	Name of the Student	Seminar Topic
1	Achala Waghmare	Factors influencing eutrophication process
2	Anjali Pogade	Control of eutrophication
3	Ankita Manapure	Biodeterioration of woods
4	Asmita Phophate	Applications of immobilized enzymes
5	Darshana Gawali	Biomagnifications of chlorinated hydrocarbons and pesticides
6	Komal Dhoble	Biotransformation of pesticides
7	Mithila Jadhav	Bioleaching of ores
8	Niharika Kapse	Leaching techniques and applications
9	Palash Vaidya	Biodegradation of plastics
10	Poonam Ekunkar	Waste water management using activated sludge
11	Rakhi Khandelwal	Aerated lagoons
12	Sakshi Sonsare	Trickling filter
13	Sakshi Chinchulkar	Concept of phytoremediation and applications
14	Saloni Komawar	Ozone depletion
15	Shradhha Bhandarkar	Green house effect

16	Shraddha Nikhare	Acid rain
17	Simran Gajbhiye	Global warming and climate change
18	Supriya Nimkar	Acid mine drainage and associated problems
19	Surabhi Bawankar	Rotary biological contractors
20	Shrutika Dhole	Fluidized bed reactors
21	Vaishnavi Manmode	Stabilization ponds

D Badwaik  
 Signature of Teacher  
 Ms. Dhanashree Badwaik



Pranita Gulhane  
 Dr. Pranita Gulhane  
 Head of the Department

**Department of Microbiology**  
**Science College, Congress Nagar,**  
**NAGPUR.**

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

**P.G. Department of Microbiology**

**M. Sc. Semester-II (2019-20)**

**Microbiology Paper II**

Name of Teacher –Mrs. Madhuri Walvekar

Sr. No.	Name of the Student	Seminar Topic
1	Achala Waghmare	Secondary metabolites
2	Anjali Pogade	Plants secondary metabolites
3	Ankita Manapure	Polypeptides
4	Asmita Phophate	Polynucleotides and polysaccharides
5	Darshana Gawali	Biopolymers
6	Komal Dhoble	Brief outline and functions of polyamines
7	Mithila Jadhav	Antibiotic resistance
8	Niharika Kapse	Mechanisms of antibiotic resistance
9	Palash Vaidya	Chloramphenicol
10	Poonam Ekunkar	Fucanazole
11	Rakhi Khandelwal	General account of pigments
12	Sakshi Sonsare	Bacteriochlorophylls
13	Sakshi Chinchulkar	Carotenoids
14	Saloni Komawar	Rhodopsin and accessory pigments
15	Shradhha Bhandarkar	Characteristics of fats and water soluble vitamins
16	Shraddha Nikhare	Xerophthalmia

17	Simran Gajbhiye	Beri Beri
18	Supriya Nimkar	Osteoporosis
19	Surabhi Bawankar	Osteomalacia
20	Shrutika Dhole	Cheilosis, Glossitis
21	Vaishnavi Manmode	Defensive role of pigments



Signature of Teacher  
Mrs. Madhuri Walvekar




Dr. Pranita Gulhane  
Head of the Department

**Department of Microbiology**  
**Science College, Congress Nagar,**  
**NAGPUR.**

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

**P.G. Department of Microbiology**

**M. Sc. Semester-II (2019-20)**

**Microbiology Paper III**

Name of Teacher –Dr. Pranita Gulhane

Sr. No.	Name of the Student	Seminar Topic
1	Achala Waghmare	Stages of infection
2	Anjali Pogade	Entry, spread and tissue damage
3	Ankita Manapure	Mechanism of bacterial adhesion
4	Asmita Phophate	Colonization and invasion of mucous membranes of respiratory
5	Darshana Gawali	Klebsiella pneumoniae
6	Komal Dhoble	Bordetella pertussis
7	Mithila Jadhav	Clostridium difficile
8	Niharika Kapse	Multi drug resistant tuberculosis
9	Palash Vaidya	Histoplasma capsulatum
10	Poonam Ekunkar	Candida albicans
11	Rakhi Khandelwal	Entamoeba histolytica
12	Sakshi Sonsare	Plasmodium vivax
13	Sakshi Chinchulkar	Pneumocystis carinii
14	Saloni Komawar	Aggressins and toxins
15	Shradha Bhandarkar	Leishmania donovani
16	Shradha Nikhare	Hymenolepis nana

17	Simran Gajbhiye	Schistosoma haematobium
18	Supriya Nimkar	Pneumocystis carinii
19	Surabhi Bawankar	Streptococcus suis
20	Shrutika Dhole	Proteus vulgaris
21	Vaishnavi Manmode	Methicilin resistant Staphylococcus aureus (MRSA)

*Pranita Gulhane*

Signature of Teacher  
Dr. Pranita Gulhane



*Pranita Gulhane*

Dr. Pranita Gulhane  
Head of the Department

**Department of Microbiology  
Science College, Congress Nagar,  
NAGPUR.**

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

**P.G. Department of Microbiology**

**M. Sc. Semester-II (2019-20)**

**Microbiology Paper IV**

Name of Teacher –Ms. Anjali Sharma

Sr. No.	Name of the Student	Seminar Topic
1	Achala Waghmare	Hematopoiesis
2	Anjali Pogade	Antigenpresenting cells
3	Ankita Manapure	Mechanism of cell migration
4	Asmita Phophate	Intracellular cell adhesion molecules
5	Darshana Gawali	Cytotoxic T Cells
6	Komal Dhoble	Natural Killer cells
7	Mithila Jadhav	Antibody-Dependent cell mediated cytotoxicity
8	Niharika Kapse	T-Cell dependent and T-cell independent defense mechanisms
9	Palash Vaidya	Malignant Transformation of cells
10	Poonam Ekunkar	Oncogenes and cancer induction
11	Rakhi Khandelwal	Mechanism of Graft rejection
12	Sakshi Sonsare	Central and peripheral tolerance to self antigens
13	Sakshi Chinchulkar	Mechanism of induction of natural tolerance
14	Saloni Komawar	Natural Killer cells
15	Shradhha Bhandarkar	Antibody-Dependent cell mediated cytotoxicity



16	Shraddha Nikhare	Biological functions of complement system
17	Simran Gajbhiye	Bacterial Agglutination
18	Supriya Nimkar	Immunofluorescence
19	Surabhi Bawankar	Radioimmuno assay
20	Shrutika Dhole	ELISA
21	Vaishnavi Manmode	Western blotting technique

*Anjali S.*  
Signature of Teacher  
Ms. Anjali Sharma



*Pranita Gulhane*  
Dr. Pranita Gulhane  
Head of the Department

**Department of Microbiology**  
**Science College, Congress Nagar,**  
**NAGPUR.**