

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

P.G. Department of Microbiology

M. Sc. Semester-IV (2019-20)

Microbiology Paper I

Name of Teacher –Mrs. Madhuri Walvekar

Sr. No.	Name of the Student	Seminar Topic
1.	Adiba Khan	Brief outline on discovery of viruses
2.	Akanksha Shende	Morphology and structure of viruses
3.	Ashish Nanhe	Chemical composition of viruses
4.	Dhanashree Dhote	Bacteriophages- Structural organization
5.	Diksha Bhanuse	Bacteriophage typing
6.	Kanchan Madavi	One step growth curve
7.	Lavanya Shriramwar	Picornavirus, Orthomyxovirus
8.	Monika Singh	Rhabdovirus and HIV
9.	Muskan Harde	Adeno and Hepatitis viruses
10.	Pooja Karemore	TMV
11.	Pratiksha Mahurkar	Cauliflower mosaic virus
12.	Rakshit Bolke	Complement fixation
13.	Rita Walthare	Ganciclovir, Ribavirin
14.	Ruchika Sadawarte	Delavirdine and Efavirenz
15.	Sakshi Barad	Amantadine, Rimantidine

16.	Sanskruati Kukade	Types of IFN
17.	Sayli Shetiye	Haemagglutination inhibition
18.	Shital Bante	ELISA
19.	Shivani Chaurikar	Radioimmunoassays
20.	Yogesh Ninawe	Types of IFN
21.	Zarina Ansari	Papova viruses, EB virus



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-IV (2019-20)

Microbiology Paper II

Name of Teacher –Mrs. Vanita Kolhe

Sr. No.	Name of the Student	Seminar Topic
1.	Adiba Khan	Bioreactor types
2.	Akanksha Shende	Immobilized bioreactors
3.	Ashish Nanhe	Types of fermentation
4.	Dhanashree Dhote	Growth kinetics and Monod's Model
5.	Diksha Bhanuse	Ntr and Pho system
6.	Kanchan Madavi	Growth limiting substrate
7.	Lavanya Shiramwar	Maintenance energy, growth yield and product formation
8.	Monika Singh	Rheology of fermentation fluid
9.	Muskan Harde	Downstream processes
10.	Pooja Karemore	Scale up
11.	Pratiksha Mahurkar	Xanthan, Polyhydroxyalkanoates
12.	Rakshit Bolke	Biosurfactants: a comparative account
13.	Rita Walthare	SCP
14.	Ruchika Sadawarte	Carotenoides
15.	Sakshi Barad	Riboflavin
16.	Sanskriti Kukade	Vit.B12

17.	Sayli Shetiye	Fatty acids
18.	Shital Bante	Lysine, Glutamic acid
19.	Shivani Chaurikar	Proteases
20.	Yogesh Ninawe	Chemostat, turbidostat
21.	Zarina Ansari	Criteria involved in scale up

Vanita

Signature of Teacher
Mrs. Vanita Kolhe



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-IV (2019-20)

Microbiology Paper III

Name of Teacher –Dr. Pranita Gulhane

Sr. No.	Name of the Student	Assignment Topic
1.	Adiba Khan	Population, guilds
2.	Akanksha Shende	Environment and microenvironment
3.	Ashish Nanhe	Biofilms
4.	Dhanashree Dhote	Terrestrial environment
5.	Diksha Bhanuse	Fresh water environment
6.	Kanchan Madavi	Marine Microbiology
7.	Lavanya Shriramwar	Shannon index
8.	Monika Singh	Diversity indices
9.	Muskan Harde	Intermediate-disturbance hypothesis
10.	Pooja Karemore	Tolerance and inhibition patterns of succession
11.	Pratiksha Mahurkar	Theories of succession
12.	Rakshit Bolke	Genotype frequency, allele frequencies
13.	Rita Walthare	Random genetic drift
14.	Ruchika Sadawarte	Hardy-Weinberg natural selection
15.	Sakshi Barad	Assortative mating

16.	Sanskriti Kukade	Inbreeding
17.	Sayli Shetiye	Competetion and coexistence
18.	Shital Bante	Gause hypothesis
19.	Shivani Chaurikar	Commensalism and Mutualism
20.	Yogesh Ninawe	Predation, parasitism
21.	Zarina Ansari	Oil spills, damage and management petroleum



Signature of Teacher
Dr. 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-IV (2019-20)

Microbiology Paper IV

Name of Teacher –Dr. Manpreet Kaur


Sr. No.	Name of the Student	Seminar Topic
1.	Adiba Khan	Definition and discovery of vaccines
2.	Akanksha Shende	Active and passive prophylactic measures
3.	Ashish Nanhe	Exhalation & attenuation
4.	Dhanashree Dhote	Subunit vaccines
5.	Diksha Bhanuse	DNA vaccines
6.	Kanchan Madavi	Vaccines additives and adjuvants
7.	Lavanya Shriramwar	BCG, Hepatitis vaccine
8.	Monika Singh	DPT, MMR
9.	Muskan Harde	Malaria vaccines
10.	Pooja Karemore	Epstein Barr virus vaccines
11.	Pratiksha Mahurkar	Cytomegalo virus vaccines
12.	Rakshit Bolke	HIV vaccines
13.	Rita Walthare	Herpes simplex viral vaccines
14.	Ruchika Sadawarte	Drug designing

15.	Sakshi Barad	Rapid tests for susceptibility testing
16.	Sanskriti Kukade	Drugs & vaccines delivery system
17.	Sayli Shetiye	Polio vaccine
18.	Shital Bante	Influenza vaccine
19.	Shivani Chaurikar	Cytomegalo virus vaccines
20.	Yogesh Ninawe	BCG, Hepatitis vaccine
21.	Zarina Ansari	DNA vaccines



Signature of Teacher
Dr. Manpreet Kaur




Dr. Pranita Gulhane
Head of the Department

Department of Microbiology
Science College, Congress Nagar,
NAGPUR.