

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

**P.G. Department of Microbiology**

**M. Sc. Semester-IV (2021-2022)**

**Microbiology Paper I**

Name of Teacher –Mrs. Madhuri Walvekar

Sr No.	Name of Student	Seminar Topic
1.	Bhavika T. Ranpura	Brief outline on discovery of viruses
2.	Dhanshree D. Dafare	Morphology and structure of viruses
3.	Khan Huma Muzim	Chemical composition of viruses
4.	Kanchan D. Selukar	Bacteriophages- Structural organization
5.	Manali S. Kakde	Bacteriophage typing
6.	Neha A. Mate	One step growth curve
7.	Nidhi R. Gour	Picorna, Orthomyxo
8.	Nikita N. Lohkare	Rhabdovirus and HIV
9.	Nischal S. Deshbhratar	Adeno and Hepatitis viruses
10.	Pooja S. Pawar	TMV
11.	Pranali K. Mendhe	Cauliflower mosaic virus
12.	Pranali S. Meshram	Complement fixation
13.	Purva V. Madankar	Ganciclovir,Ribavirin
14.	Rashmi M. Dhande	Delavirdine and Efavirenz
15.	Sangharsh P. Khonde	Amantadine,Rimantidine
16.	Sayami D. Patrikar	Types of IFN
17.	Shibani A. Sahare	Haemagglutination inhibition

18.	Shruti R. Nikose	ELISA
19.	Shubhangi S. Jagtap	Radioimmunoassays
20.	Snehal G. Choudhari	Types of IFN
21.	Sonal D. Tandekar	Brief outline on discovery of viruses
22.	Suvarna D. Tekade	Morphology and structure of viruses
23.	Trupti S. Harinkhede	Chemical composition of viruses
24.	Vaishnavi R. Mewade	Bacteriophages- Structural organization
25.	Vishakha P. Chaudhary	Bacteriophage typing



Signature of Teacher  
Mrs. Madhuri Walvekar




Dr. Pranita Gulhane  
Head of the Department

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**M. Sc. Semester-IV (2021-2022)**

**Microbiology Paper II**


Name of Teacher –Dr. Pranita Gulhane

Sr No.	Name of Student	Seminar Topic
26.	Bhavika T. Ranpura	Bioreactor types
27.	Dhanshree D. Dafare	Immobilized bioreactors
28.	Khan Huma Muzim	Types of fermentation
29.	Kanchan D. Selukar	Growth kinetics and Monod's Model
30.	Manali S. Kakde	Ntr and Pho system
31.	Neha A. Mate	Growth limiting substrate
32.	Nidhi R. Gour	Maintenance energy, growth yield and product formation
33.	Nikita N. Lohkare	Rheology of fermentation fluid
34.	Nischal S. Deshbhratar	Downstream processes
35.	Pooja S. Pawar	Scale up
36.	Pranali K. Mendhe	Xanthan, Polyhydroxyalkanoates
37.	Pranali S. Meshram	Biosurfactants: a comparative account
38.	Purva V. Madankar	SCP
39.	Rashmi M. Dhande	Carotenoides
40.	Sangharsh P. Khonde	Riboflavin
41.	Sayami D. Patrikar	Vit.B12
42.	Shibani A. Sahare	Fatty acids

43.	Shruti R. Nikose	Lysine, Glutamic acid
44.	Shubhangi S. Jagtap	Proteases
45.	Snehal G. Choudhari	Chemostat, turbidostat
46.	Sonal D. Tandekar	Bioreactor types
47.	Suvarna D. Tekade	Immobilized bioreactors
48.	Trupti S. Harinkhede	Types of fermentation
49.	Vaishnavi R. Mewade	Growth kinetics and Monod's Model
50.	Vishakha P. Chaudhary	Ntr and Pho system

  
Signature of Teacher  
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**Microbiology Paper III**

Name of Teacher –Mrs. Nupur Deshmukh

<b>Sr No.</b>	<b>Name of Student</b>	<b>Seminar Topic</b>
1.	Bhavika T. Ranpura	Population, guilds
2.	Dhanshree D. Dafare	Environment and microenvironment
3.	Khan Huma Muzim	Biofilms
4.	Kanchan D. Selukar	Terrestrial environment
5.	Manali S. Kakde	Fresh water environment
6.	Neha A. Mate	Marine Microbiology
7.	Nidhi R. Gour	Shannon index
8.	Nikita N. Lohkare	Diversity indices
9.	Nischal S. Deshbhratar	Intermediate-disturbance hypothesis
10.	Pooja S. Pawar	Tolerance and inhibition patterns of succession
11.	Pranali K. Mendhe	Theories of succession
12.	Pranali S. Meshram	Genotype frequency, allele frequencies
13.	Purva V. Madankar	Random genetic drift
14.	Rashmi M. Dhande	Hardy-Weinberg natural selection
15.	Sangharsh P. Khonde	Assortative mating
16.	Sayami D. Patrikar	Inbreeding
17.	Shibani A. Sahare	Competition and coexistence

18.	Shruti R. Nikose	Gause hypothesis
19.	Shubhangi S. Jagtap	Commensalism and Mutualism
20.	Snehal G. Choudhari	Predation, parasitism
21.	Sonal D. Tandekar	Population, guilds
22.	Suvarna D. Tekade	Environment and microenvironment
23.	Trupti S. Harinkhede	Biofilms
24.	Vaishnavi R. Mewade	Terrestrial environment
25.	Vishakha P. Chaudhary	Fresh water environment



Signature of Teacher  
Mrs. Nupur Deshmukh



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**M. Sc. Semester-IV (2021-2022)**

**Microbiology Paper IV**

Name of Teacher –Dr. Manpreet Kaur

<b>Sr No.</b>	<b>Name of Student</b>	<b>Seminar Topic</b>
1.	Bhavika T. Ranpura	Definition and discovery of vaccines
2.	Dhanshree D. Dafare	Active and passive prophylactic measures
3.	Khan Huma Muzim	Exhalation & attenuation
4.	Kanchan D. Selukar	Subunit vaccines
5.	Manali S. Kakde	DNA vaccines
6.	Neha A. Mate	Vaccines additives and adjuvants
7.	Nidhi R. Gour	BCG, Hepatitis vaccine
8.	Nikita N. Lohkare	DPT, MMR
9.	Nischal S. Deshbhratar	Malaria vaccines
10	Pooja S. Pawar	Epstein Barr virus vaccines
11	Pranali K. Mendhe	Cytomegalo virus vaccines
12	Pranali S. Meshram	HIV vaccines
13	Purva V. Madankar	Herpes simplex viral vaccines
14	Rashmi M. Dhande	Drug designing
15	Sangharsh P. Khonde	Rapid tests for susceptibility testing
16	Sayami D. Patrikar	Drugs & vaccines delivery system
17	Shibani A. Sahare	Polio vaccine

18	Shruti R. Nikose	Influenza vaccine
19	Shubhangi S. Jagtap	Cytomegalo virus vaccines
20	Snehal G. Choudhari	BCG, Hepatitis vaccine
21	Sonal D. Tandekar	Definition and discovery of vaccines
22	Suvarna D. Tekade	Active and passive prophylactic measures
23	Trupti S. Harinkhede	Exhaltation& attenuation
24	Vaishnavi R. Mewade	Subunit vaccines
25	Vishakha P. Chaudhary	DNA vaccines

*Manpreet*

Signature of Teacher  
Dr. Manpreet Kaur



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