

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

**P.G. Department of Microbiology**

**M. Sc. Semester-II (2023-2024)**

**Microbiology Paper I**

Name of Teacher – : Ms. Anjali Pogade

<b>Sr. No</b>	<b>Name of Student</b>	<b>Assignment Topic</b>
1.	Astha A.Sakharwade	Definition and concept of biodeterioration, biodeterioration of woods
2.	Akanksha R.Bisen	Textile clothing and pharmaceutical products
3.	Akanksha V.Tekade	Biodeterioration of stone monuments and approach for its restoration
4.	Anisha A.Shende	Concept and consequences, Biomagnifications of heavy metals
5.	Anuradha P.Khope	Chlorinated hydrocarbons and pesticides and mitigation methods
6.	Arshiya S.Mushtaque	waste water and sewage discharge in natural water bodies
7.	Arya S.Walode	Causes of eutrophication
8.	Bhisvani M.Dhurve	Microbial changes induced by discharge of organic and inorganic pollutants
9.	Ishita Y.Padgil	Factors influencing eutrophication process and control of eutrophication
10.	Ishwari N.Gawande	Mechanism of biotransformation
11.	Leena N.Meher	Metals and metalloids, mercury, pesticides
12.	Manisha G.Lilhare	DDT transformations
13.	Manisha R.Roy	Concept of Reclamation

14.	Namrata O.Nagose	revegetation
15.	Ojaswini R.Bhagat	Management of mine spoil dumps and tailing sites,
16.	Rujuta R.Ramteke	Wastewater management using high rate transpiration systems
17.	Shamim M.Shahzad	Concept of phytoremediation and applications
18.	Snehal N.Sahare	Case studies related to restoration of wasteland ecosystems using integrated biotechnological approach
19.	Vaishnavi V.Ingle	Global warming
20.	Vami K.Masram	Ozone depletion
21.	Yashoda R.Wade	UV-B, green house effect, acid rain

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Signature of Teacher  
Ms. Anjali Pogade



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**Microbiology Paper II**

Name of Teacher – Ms. Sayali Sangole

Sr. No	Name of Student	Assignment Topic
1.	Astha A.Sakharwade	Hematopoiesis
2.	Akanksha R.Bisen	Lymphocytes, mononuclear phagocytes
3.	Akanksha V.Tekade	Antigen Presenting cells, Granulocytes
4.	Anisha A.Shende	Lymphatic system,
5.	Anuradha P.Khope	Primary and Secondary lymphoid organs
6.	Arshiya S.Mushtaque	Pathways of complement activation
7.	Arya S.Walode	Regulation of complement system, Biological functions of complement system.
8.	Bhisvani M.Dhurve	Intracellular cell adhesion molecules
9.	Ishita Y.Padgil	Mechanism of cell migration
10.	Ishwari N.Gawande	Inflammation. Pathways of antigen processing and presentation
11.	Leena N.Meher	General properties of effector T cells
12.	Manisha G.Lilhare	Cytotoxic T Cells
13.	Manisha R.Roy	Natural Killer cells
14.	Namrata O.Nagose	Antibody-Dependent cell mediated cytotoxicity
15.	Ojaswini R.Bhagat	T-Cell dependent and T-cell independent defense mechanisms

16.	Rujuta R.Ramteke	Origin and Terminology, Malignant Transformation of cells
17.	Shamim M.Shahzad	Oncogenes and cancer induction
18.	Snehal N.Sahare	Immune surveillance theory
19.	Vaishnavi V.Ingle	Tumor evasion of theImmune system
20.	Vami K.Masram	Cancer Immunotherapy
21.	Yashoda R. Wade	Transplantation Immunology

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**M. Sc. Semester-II (2023-2024)**

**Microbiology Paper III**

Name of Teacher – Ms. Ankita Manapure

<b>Sr. No</b>	<b>Name of Student</b>	<b>Assignment Topic</b>
1.	Astha A.Sakharwade	General account of metabolites
2.	Akanksha R.Bisen	Secondary metabolites
3.	Akanksha V.Tekade	Classification, structure and mode of action of secondary metabolites
4.	Anisha A.Shende	Plants secondary metabolites: Digitoxine, Salicylic acid
5.	Anuradha P.Khope	Aflatoxin
6.	Arshiya S.Mushtaque	Ochratoxin
7.	Arya S.Walode	Patulin
8.	Bhisvani M.Dhurve	Polypeptides
9.	Ishita Y.Padgil	Xanthan, dextrin, Gellan, Pullulan, curdlan and hyaluronic acid
10.	Ishwari N.Gawande	Brief outline and functions of polyamines
11.	Leena N.Meher	Synthesis of linear polyamine-putrescine
12.	Manisha G.Lilhare	cadoverine
13.	Manisha R.Roy	spermidine
14.	Namrata O.Nagose	spermine
15.	Ojaswini R.Bhagat	Secondary Metabolite Production by Cyanobacteria

16.	Rujuta R.Ramteke	Enzyme inhibitors and Immunomodulators
17.	Shamim M.Shahzad	History and discovery of antibiotics
18.	Snehal N.Sahare	Antibiotic resistance, Mechanisms of antibiotic resistance
19.	Vaishnavi V.Ingle	Aminoglycosides (Amikacin)
20.	Vami K.Masram	Nitrofurans (Nitrofurantoin)
21.	Yashoda R.Wade	Sulphonamides (Sulfamethoxazole)

*Ankita Manapure*

Signature of Teacher  
Ms. Ankita Manapure



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