

SHAHID VIRPATNI LAXMI MAHAVIDYALAYA, TITAVE

Department of M.Sc. Microbiology

Knowledge Bank

M.Sc. Microbiology		Semester: IV, M.Sc. II Year	
Sr No.	Name of the Course	Subject Teacher Name	Link
1	Recombinant DNA Technology	Miss. Shubhangi K. Vaidya	Techniques & enzyme in Genetic Recombination
			https://www.ndvsu.org/images/StudyMaterials/Biotech/Recombinant-DNA-Technology.pdf
			DNA ligase
			https://www.slideshare.net/shreyamodi100/dna-ligase
			Vectors
			https://www.mlsu.ac.in/econtents/119_Cloning%20vectors.pdf
			Bacteriophage lambda as a vectors
			https://www.slideshare.net/kishoreGupta17/lambda-vector
			Specialized cloning strategies
			https://www.slideshare.net/IndrajaDoradla/cloning-strategies
			PCR methods & Application
			https://www.intechopen.com/online-first/86086
2.	Industrial and Environmental Technology	Miss. Swati S. Powar	General method citric & lactic acid
			https://www.ncbi.nlm.nih.gov/pmc/articles
			Methods and purification enzyme
			https://www.slideshare.net/AdarshPatil23/production-of-enzymes
			Biomass
			https://www.nrel.gov/docs/legosti/old/5572r2.pdf
			Environmental Biotechnology
			https://sist.sathyabama.ac.in/sist_coursematerial/uploads/SBTA1304.pdf
			Intellectual Property
			https://www.wipo.int/edocs/pubdocs/en/wipo_pub_450_2020.pdf
			Plant genetics resources
			https://www.slideshare.net/KAUSHIKKUMARPANIGRAH/presentation-on-plant-genetic-resources
DNA Sequence			
https://www.sciencedirect.com/topics/immunology-and-microbiology/dna-sequence			
			Introduction of Microorganisms:
			https://www.youtube.com/watch?v=pB26B2CXi2U
			Antibiotics & Synthetic Antimicrobial agent
			https://www.slideshare.net/RinaldoJohn/antibiotics-and-synthetic-antimicrobial-agents
			Chemical disinfectants , antiseptics & preservatives

Pharmaceutic al Microbiology	Miss. Shubhangi K. Vaidya	https://www.slideshare.net/slideshow/antiseptic-and-disinfectant
		Mechanism of action of antibiotics
		https://www.researchgate.net/publication/319881509_Antibiotics_Classification_and_mechanisms_of_action_with_emphasis_on_molecular_perspectives
		Molecular principles of drug targeting
		https://www.pharmatutor.org/articles/drug-targeting-basic-concepts-drug-carrier-systems-review
		Microbial production & spoilage of pharmaceutical products
		https://www.iptsalipur.org/wp-content/uploads/2020/08/BP303T_PMB_UNIT_V.pdf
		Vaccines
		https://byjus.com/free-ias-prep/vaccine-types/
		Regulatory practices , Biosensors & application in pharmaceutical
		https://www.intechopen.com/chapters/76543
		Rational drug design
		https://vikramuniv.ac.in/files/wp-content/uploads/M.Sc . IV SEM - Medicinal chemistry-Dr Shubha Jain.pdf
Application of microbial enzyme in pharmaceuticals		
https://mgcub.ac.in/pdf/material/20200419102938a52032816a.pdf		