

SYLLABUS OF MICROBIAL GENETIC COURSES ON BIOLOGY STUDY PROGRAM

Description :

Basic concepts of microbial genetics; bacterial genomes and basic functions; Microbial replication, transcription and translation; microbial gene organization and Operon; Plasmid; Transduction; Transposition; Transformation; Conjugation; DNA Mutation and DNA Repair; Viral Genetics.

References :

1. Alberts, B., Bray, D., Lewis, J., Raff, M., Roberts, K., Watson, J.D., 1989, Molecular Biology of The Cell, 2nd ed., Garland Publishing, Inc., New York.
2. Darnell, J., Lodish, H., Baltimore, D., 1990, Molecular Cell Biology, Scientific American Books, New York.
3. Freifelder, D., Malacinski, G.M., 1987, Essentials of Molecular Biology, John and Bartlett Publishers, London.
4. Watson, Baker, Bell, Gann, Levine, Losick. 2004. Molecular biology of the gene . 5th ed. Pears.pdf