

LABORATORY MANUAL OF MICROBIOLOGY

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The present book embodies 15 chapters viz. Preparation of different liquid and solid media, Isolation Techniques for soil, air, water and seed borne microbes, Micrometry, Microbial Growth, Ames Test, Assay of Antibiotics, Antibiotics Sensitivity test, Bacterial Transformation, Imvic Test, growth curve of coliphage, Culture techniques from body fluids, Acid and Alcoholic Fermentation and each of which includes protocol of several microbiological practicals prescribed in the syllabi of Graduate and Post Graduate courses of Microbiology, Biochemistry and Biotechnology. Besides these, the book also contains the methods of qualitative and quantitative analysis of air, soil and water borne pathogenic and non-pathogenic microbes and agriculturally important microbes. Authors have prepared this MS with a view to provide laboratory techniques to all categories of UG and PG students to carryout laboratory assignments prescribed in their syllabi. For the convenience and better understanding, most of the methods have been described with help of Flow Chart and Sketches. Authors are confident that the present book will certainly be very useful to learn and handle different type of microbiological experiments in the laboratory.

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