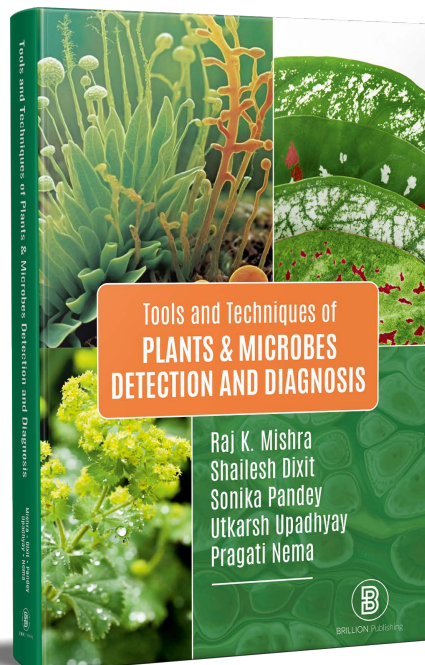




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Tools and Techniques of PLANTS & MICROBES DETECTION AND DIAGNOSIS



This present manual entitled **Tools and Techniques of Plants & Microbes Detection and Diagnosis** which includes: good laboratory practices, biochemical techniques, Molecular biology techniques, Agarose & SDS-polyacrylamide gel electrophoresis, growth of bacterial and fungal culture and preparation of growth curve, isolation of plasmid DNA, preparation of competent cells and its transformation, restriction digestion of DNA, PCR and optimization of factors, Dot blot analysis, Southern, and Northern hybridization, Western blotting, isolation of high molecular weight DNA & RNA.

Authors hope that manual will meet the requirement of undergraduate and post graduate students studying Molecular Biology. Present manual will serve the interest of students to provide and learn the various techniques of basic molecular biology along with biochemical analysis and basic pathology and microbiology. Constructive criticism and suggestions from the faculty, students and readers to make this manual more meaningful and beneficial suggestions are always welcome

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