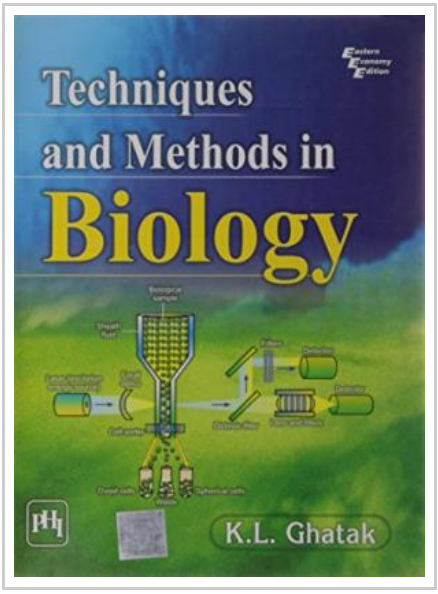

Techniques and Methods in Biology

By K.L. Ghatak

PHI Learning, 2014. Softcover. Book Condition: New. 18 x 23 cm. This comprehensive and accessible text discusses all the topics prescribed for the students of Life Sciences taking the National Eligibility Test (NET). Besides, the book would also be useful for undergraduate and postgraduate students of Biotechnology, and postgraduate students of Botany and Zoology. The book discusses spectroscopy which forms the core of modern research, be it physical sciences or life sciences, and microscopy, which is now an indispensable analytical tool in Biological Science, with all its different forms. It also illustrates radioactivity and related phenomena so as to justify their widespread applications in modern biological, medical and chemical researches. The book evaluates the role of statistics in biological as well as physiological/medical phenomena, and systematically analyses electrophysiological methods, histochemical and immuno techniques, and molecular biology. CONTENTS: Preface ? Acknowledgements Part I: Biophysical Methods 1. Spectroscopy 2. Infrared Spectroscopy 3. Ultraviolet and Visible Spectroscopy 4. Colorimetry and Visible Spectrophotometry 5. Fluorescence and Phosphorescence Spectrophotometry 6. Optical Rotatory Dispersion and Circular Dichroism 7. Nuclear Magnetic Resonance Spectroscopy 8. Electron Spin Resonance Spectroscopy 9. Atomic Absorption Spectroscopy 10. X-ray Crystallography/Diffraction 11. Mass Spectrometry 12. Chromatography Part II: Microscopy 13. Electron Microscopy 14....

Reviews

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