# UNITEXT FOR FRESHMEN:
# BIOLOGY

**Rajni Gupta**

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### ABOUT THE BOOK

This book is with the perfect amount of content for an introductory, biology and non biology courses. Purpose of this book is to explain basic concepts of Life sciences in simple language. The undergraduate students who are taught Life sciences in various semesters will be enriched in knowledge by this book. All the major units are covered without excessive detail and organized in a logical manner from microscopic to macroscopic. Origin of life, biological molecules, cell structure and function, cell organelles, Laws of Thermodynamics, Enzymes, Transport of ions across cell membranes, Genetics, Molecular Biology, Evolution, Infectious diseases, Ecology, Ecosystem, Conservation of Natural Resources, Bacteria, Viruse, Fungi and diseases caused by them has been explained. In a chapter classification of plants and animals has been described in a simple manner. Even Respiration, Photosynthesis and its cycles are also explained in a lucid manner. Latest developments in the field of Life sciences also have been mentioned, and the book gives the holistic picture in field of Life sciences.

### ABOUT THE AUTHOR

**Dr. Rajni Gupta** is teaching in the Department of Botany, Kirorimal college, University of Delhi, Delhi. She got her M.sc and P.hd from Agra College Agra. She did Post Doctoral work in the Department of Botany, University of Delhi, Delhi with Prof. K.G. Mukerji. She has worked in the field of Mycotoxins, Mycoherbicides and VAM fungi. She worked on Association of VAM fungi in lower plants of Uttarakhand. She also worked on Phytoremediation of heavy metals present in soil by angiosperms. She has published more than 45 Research papers in different National and International repute journals. She has edited " Advances in Microbial Biotechnology" , " Taxonomy Past Present and Future". She has authored " The Fungi" , "Microbial Technology" , " Consice Notes on Biotechnology" . Other is under publication in field of plant pathology.