



CELL BIOLOGY & CYTOGENETICS by
**Dr. Harish C. Nigam, Published by Vishal
Publishing Co., Jalandhar, Pages 124, Price :
Rs. 110/115 (India) / 250 (International)**

This book is meant for B.Sc. (Pass/Subsidiary) and B. Sc (Honours) students. It covers many aspects of Cell Biology and Genetics. The objective of the author is to make a separate book dealing with special care on some disciplines like Cell structure, Cell division, Cell cycle, Structure of DNA and its replication, Gene structure and Function along with Cytogenetics and Human Genetics .

As the topics in this book are discussed in a very abridged form and is not at par with the recent updated syllabus of the Undergraduate courses, so it will not be

suitable for the Honours courses of all the Universities of India.

However, it may serve the purpose of some colleges and Universities where they have yet to revise the syllabus as the book is written in a lucid form.

With the rapid progress of each and every discipline of Life Sciences, the Undergraduate syllabus of most of the Universities has been updated.

In Chapter 2 of Unit II of this book, the text containing Nucleus, Chromosome and Genes is very short. It should contain the structure of Nuclear envelope, Nuclear Pore complex, Molecular organization of chromatin, Nucleolus, Cytoskeleton, and Peroxisomes. It must also mention the Structure and Function of Microtubules and Microfilaments.

In Chapter 5 of Unit III, the text discussing Cell Cycle must have Components of Cell cycle Control systems including enzymes that control cell cycle, Apoptosis and the role of cell cycle in Cancer.

In Cell division the author should mention some points on Mitotic spindle, centromere and Chromosome Movement.

The author should also include Multiple Alleles in Man (Blood Groups) and some basic techniques in Cell Biology for the wide use of this book in many Colleges and Universities of India. The publisher has not mentioned the date and year of the publication of this book which is very essential. □

Satyesh Chandra Roy

Ex-Professor and Head, Department of Botany
and

Co-ordinator, Centre of Advanced Study for Cell
and Chromosome Research
University of Calcutta