

Second
Edition

Genetics

AV.S.S. Sambamurty



The second edition has been divided into five parts viz., **Mendelian Genetics, Molecular Genetics, Cytogenetics, Plant Breeding and Genomics**, spanning 932 pages with 250 diagrams and 150 worked problems. The Genomics part, added to this new edition, deals with experimentation in gene cloning, recombinant DNA technology and Human Genome project. It also includes an exhaustive glossary of Genetics, Plant Breeding and Molecular Genetics; questions, techniques in Cytogenetics like staining, fixation, preparation of permanent slides and a detailed historical development of Genetics from Mendel to recent times.

New to the Second Edition:

- ♦ Chapter on Genomics
- ♦ More human genetic diseases discussed
- ♦ Detailed discussion on *Drosophila* and *Caenorhabditis elegans*
- ♦ Applied aspects of biotechnology in plants
- ♦ Gene cloning and recombinant DNA technology for crop improvement programmes



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