BOTANY *for*
B.Sc. STUDENTS

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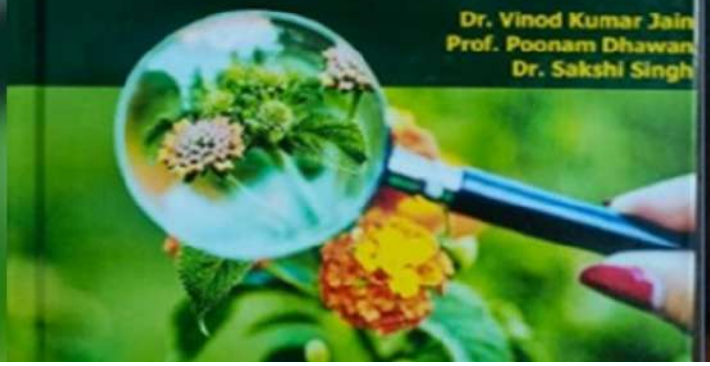

About the Book :

Botany can include the three main branches of morphology/physiology, ecology, and systematics. Plant morphology/physiology study plant structures and how they relate to function. Ecologists study how plants interact with their environment. Plant systematists study plant taxonomy and evolution. Botany is the study of plants within the field of biology. It can be subdivided into the fields of morphology and physiology, ecology, and systematics. Botany is important because it provides the basis for our understanding of how to produce crops which provide food and fiber to. Botany, branch of biology that deals with the study of plants, including their structure, properties, and biochemical processes. Also included are plant classification and the study of plant diseases and of interactions with the environment. The principles and findings of botany have provided the base for such applied sciences as agriculture, horticulture, and forestry. Plants were of paramount importance to early humans, who depended upon them as sources of food, shelter, clothing, medicine, ornament, tools, and magic. Today it is known that, in addition to their practical and economic values, green plants are indispensable to all life on Earth. Through the process of photosynthesis, plants transform energy from the Sun into the chemical energy of food, which makes all life possible. A second unique and important capacity of green plants is the formation and release of oxygen as a by-product of photosynthesis.

Contents :

- Introduction
- Plant Cell Study in Botany
- Structure of Plant Cell
- Evolution of Plant
- Plant Tissue Culture
- Metabolite Production
- Botany and Clonal Propagation
- Botany and Genetic Engineering
- Botany and Crop Improvement

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