Botany

Understanding Plant Biology

Callisto Reference

Diago Bell

Botany: Understanding Plant Biology

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Botany: Understanding Plant Biology

Botany is a field of biology that is concerned with the study of plant life. This field has its roots in herbalism, which later evolved with the development and applications of techniques such as optical and electron microscopy, live cell imaging, analysis of chromosome number and plant chemistry, among others. The techniques of molecular genetic analysis such as proteomics and genomics have also significantly advanced the frontiers of this science. The study of plant growth, structure and differentiation, primary metabolism, reproduction, diseases, taxonomy, genetics and epigenetics, etc. are significant areas of study in this field. It has applications in agriculture, horticulture, forestry and breeding, as well as in the provision of materials like rubber, drugs, timber, fiber, etc. This book provides comprehensive insights into the field of plant biology. Most of the topics introduced herein cover the principles and applications of botany. Those with an interest in this field would find this textbook helpful.

Diago Bell received his Masters in Plant Molecular and Cellular Biology from the University of Florida, United States. His primary areas of scholarly and research interests lie in the fields of plant genetics, soil type and plant anatomy. Bell has authored and edited more than 40 articles, journal papers and book chapters in the field of botany. He has been presented the "Distinguished Teaching Award" for his outstanding teaching service and the impact he has made on students worldwide.

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