

THE MOLECULAR AND HORMONAL BASIS OF PLANT-GROWTH REGULATION

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The Molecular And Hormonal Basis Of Plant Growth Regulation

**Rosemary Hale, Marion K.
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The Molecular And Hormonal Basis Of Plant Growth Regulation:

The Molecular and Hormonal Basis of Plant-Growth Regulation Ya' Acov Leshem, 2016-08-03 The Molecular and Hormonal Basis of Plant Growth Regulation deals with the molecular and hormonal basis of plant growth regulation Topics covered range from molecular biology in plants to the structural units of DNA DNA replication and RNA transcription and the process of translation and protein synthesis The use of RNA for transmission of genetic information is also discussed This book is comprised of 16 chapters and begins with an overview of the foundations that form the basis of modern biology followed by an analysis of DNA and its structural units The role of enzymes in DNA replication is then examined together with RNA transcription and protein synthesis The next section focuses on modern aspects of hormone action and introduces the reader to the growth regulatory hormones existing in most higher plants the role of ribosomes in the polymerization of transfer RNA borne amino acids the structure and biophysical properties of the mitochondrion and the chloroplast as genetic units and the use of antibiotics in the inhibition of synthesis of nucleic acids and proteins This monograph will be a valuable resource for biologists plant physiologists teachers and students who seek to widen their general knowledge about plant growth *The molecular and hormonal basis of plant-growth regulation ('ha-Basis ha-molekulari veba-hormonali, engl. Transl. and rev. from the orig. Hebrew ed. 1. Engl. ed.)* Ya'acov Leshem, 1973

Plant Hormones William Paul Jacobs, 1979-11-30 Polarity phototropism and the discovery of auxin The action of light in phototropism The chemical nature of endogenous auxin Other developmental effects of auxin The biochemical basis of auxin action Leaf and bud development and cytokinins Flowering hormones and gibberellins Senescence Abscission and abscisic acid Movement of hormones Roots and hormones Overview

Fundamentals of Biochemical Pharmacology Z. M. Bacq, 2014-05-17 Fundamentals of Biochemical Pharmacology explains the molecular aspects of drugs and the changes in bio chemical systems The cellular movements that result from such changes are also evaluated Biochemical lesion is extensively defined in the book A discussion on electromagnetic radiation is also provided A chapter of the book is devoted to the principles of electronic and nuclear magnetic resonance The principles and applications of mass spectrometry and combined gas chromatography are then discussed The scientific advances made with the use of immunological methods are the focus of a section of the book Another section provides an introduction to the kinetic properties of reactions made by enzymes The process called homogenization is clearly explained along with a discussion on the use of electron microscopy Autoradiography shows the distribution of compounds at the subcellular level The theoretical background of molecular spectroscopy is presented completely The book is intended for chemists biochemists physicists micro biologists zoologists and botanists

The Plant Hormone Ethylene A. K. Mattoo, 2018-01-18 The breadth and depth of knowledge concerning ethylene synthesis and action coupled with the rapid pace of new progress makes a survey of the field a daunting task Therefore experts who were actively engaged in different aspects of ethylene research from different countries spanning four continents were enlisted to

complete this monograph This book discusses a historical perspective as well as future trends and possibilities in this field

Principles of Pollination Ecology K. Faegri, L. Van Der Pijl, 2013-10-22 A completely revised and rewritten edition of this comprehensive survey of the botanical problems of pollination ecology approached from both a theoretical and a practical viewpoint Examples are drawn from all geographical areas where pollination has been studied and general principles are illustrated by a number of concrete examples Introductory chapters survey the technical problems and draw comparisons with spore dissemination in cryptogams and pollination in gymnosperms The following chapters deal with angiosperm pollination and are divided into three parts organs involved in pollination flower types and pollinator activities

Plant Growth Regulator Abstracts ,2004 Catalog of Copyright Entries. Third Series Library of Congress. Copyright Office, 1976 The Principles and Practice of Health Visiting Rosemary Hale, Marion K. Loveland, Grace M. Owen, 2013-10-22 The Principles and Practice of Health Visiting details the fundamental concepts and basic principles in the practice of health visiting The title covers the nursing psychological and sociological skills that are essential in health visiting The title covers the history of health visiting along with the function of the health visitor and future trends in the practice Next the selection tackles the skills in health visiting practice and then proceeds to discussing home visiting The text also talks about the health visitor in the health centers The next chapter deals with the work of the school health visitor The last chapter details the principles of health education The book will be of great use to students and practitioners of health related disciplines particularly nursing Health workers will also benefit from the text **Advances In Plant Physiology (Vol. 5)** A.

Hemantaranjan, 2003-07-01 The publication of Volume 5 of the International Treatise Series on Advances in Plant Physiology has been feasible exclusively and unquestionably due to commendable contributions from World Scientists of distinction in explicit fields within eight years the treatise series has been instituted in the spirits and compassion of illustrious readers all through the world The proficient International and National Coordinators have all along unified their views for the expediency of readers assisting them to speed up important research work in the field of Plant and Crop Physiology Biochemistry Plant Molecular Biology in spite of handiness of quick accessibility of vast literature from internet this treatise series in the field of life sciences has been realized over and above to be like a true guide friend and philosopher everlastingly enlightening the most hidden perceptible nerves of an individual worker which is beyond the competence of mere web services The volume 8 is absolutely another one of its kinds for incorporation of most timely and important worthy reviews of diverse objectives contributed by forty four well informed admirable and documented scientists stalwarts of which twenty three participated from abroad The original writing coming in bounteous journals of international repute covering new technologies and tools in plant science research have been pulled together in affirmative prolific and supportive manner by specialists all over the globe In this volume efforts have been made to fetch together twenty one indispensable review articles duly evaluated by the respective Consulting Editors of international stature from India U K U S A Argentina Australia

France Germany Japan Spain Portugal Israel and Morocco and rationally distributed in eight sections Indeed the treatise is wealth for interdisciplinary exchange of information Apart from fulfilling need of this kind of exclusive edition in different volumes for research teams in Molecular Plant Physiology and Biochemistry in traditional and agricultural universities institutes and research laboratories throughout the world it would be extremely a constructive book and a voluminous reference material for acquiring advanced knowledge by post graduate and Ph D scholars in response to the innovative courses in Plant Physiology Plant Biochemistry Plant Molecular Biology Plant Biotechnology Environmental Sciences Plant Pathology Microbiology Soil Science Agricultural Chemistry Agronomy Horticulture and Botany

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