1. Record Nr. UNINA9910350358803321

Titolo	Brassinosteroids: Plant Growth and Development / / edited by Shamsul Hayat, Mohammad Yusuf, Renu Bhardwaj, Andrzej Bajguz
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2019
ISBN	981-13-6058-8
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (XIII, 441 p. 83 illus., 25 illus. in color.)
Disciplina	571.32
Soggetti	Plants - Development Agriculture Plant physiology Biotechnology Plant Development Plant Physiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	The entire range of the developmental process in plants is regulated by a shift in the hormonal concentration, tissue sensitivity and their interaction with the factors operating around the plants. Phytohormones play a crucial role in regulating the direction of plant in a coordinated fashion in association with metabolism that provides energy and the building blocks to generate the form that we recognize as a plant. Out of the recognized hormones, attention has largely been focused on Auxins, Gibberellins, Cytokinins, Abscisic acid, Ethylene and more recently on Brassinosteroids. In this book we are providing the information about a brassinosteroids that again confirm its status as phytohormones because it has significant impact on various aspects of the plant life and its ubiquitous distribution throughout the plant kingdom. Brassinosteroids are generating a significant impact on plant growth and development, photosynthesis, transpiration, ion uptake and transport, induces specific changes in leaf anatomy and chloroplast structure. This book is not an encyclopedia of reviews but includes a selected collection of newly written, integrated, illustrated reviews

describing our knowledge of brassinosteroids. The aim of this book is to tell all about brassinosteroids, by the present time. The various chapters incorporate both theoretical and practical aspects and may serve as baseline information for future researches through which significant development is possible. It is intended that this book will be useful to the students, teachers and researchers, both in universities and research institutes, especially in relation to biological and agricultural sciences. .