



Advances in Plant Physiology , 1/e

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About the Book

In the present scenario, with the increasing pressure posed by a rapidly growing population and diminishing per capita arable land and sources of irrigation, the role of plant physiologists in increasing agricultural and horticultural production by economically viable means, is significant. The present book incorporates articles covering latest information on the varied aspects of plant physiology, like diagnosis and management of physiological disorders in fruit production, physiology of vegetable crops, breeding crops for dryland conditions, effect of sulphur dioxide on growth, photosynthesis, antioxidant enzyme activities and so on. Topics such as abiotic stress, macronutrient stress and stress caused by pollutants also form part of the book. Articles on the effect of herbicides, growth hormones, photoquality on germination and physiology of rice and groundnut provide useful information for improving crop yield. This book would serve as a useful reference for teachers, scientists and planners in the fields of Botany, Plant Physiology, Agriculture, Forestry and related fields

Salient Features

- ▶ Contains 17 review articles and research papers discussing diagnosis and management of physiological disorders, advances in physiology of vegetables crops, effect of sulphur dioxide on growth, etc.
- ▶ The book also lays emphasis on abiotic stresses including draught resistance, micronutrient stress, stress caused by pollutants etc.
- ▶ All the articles are well supported with pictures, and tables.

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- ▶ Macronutrient stresses and their management in crop plants
- ▶ Bambara Groundnut: Its physiology and introduction in India
- ▶ Seed priming and potash nutrition as the management tools for drought investigation in upland summer rice

About the Author

P C Trivedi :- P C Trivedi has over three decades of teaching and research experience in the University of Rajasthan, India. Having published 170 research and review papers in national and international journals, he has also earned the distinction of completing 18 research projects successfully. He has an avid interest in the areas of Plant Nematology, Medicinal Plants and Ethnobotany.