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Crop Improvement: Strategies and Applications

By R.C. Setia, Harsh Nayyar, Neelam Setia

I.K. International Publishing House Pvt. Ltd., 2008. Hardcover. Book Condition: New. 18cm x 24cm. The research in agricultural sciences is taking great strides with advancement in methodologies and techniques. It, therefore, becomes important to maintain pace as well as update oneself on the recent happenings in agricultural research. The present book is an effort to compile the recent information involving different articles pertaining to genomics, physiology, biochemistry, diseases and abiotic stresses. Thus, the chapters provide information on "omics" of plants that covers genomics, proteomics and metabolomics, molecular techniques for crop improvement, gene silencing, marker-assisted selection for crops, biotechnology and genetic engineering for developing stress tolerant crops, elicitor biotechnology, salt stress effects, heavy metal stress and phytoremediation, genetics of wheat rust resistance, improvement of Brassicas, nutritional aspects of cereals and genetic transformation of fruit crops. The book would be useful to the students and scientists working in the areas of agricultural research, and would provide current knowledge of diverse research areas through the reviews written by subject experts.



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