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## MORE FOOD: ROAD TO SURVIVAL



Editors:  
Roberto Pilu  
Giuseppe Gavazzi

Bentham Books

E-book Price

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## About the eBook

This book is a comprehensive analysis of agricultural improvements which can be achieved through scientific methods. This reference book gives information about strategies for increasing plant productivity, comparisons of agricultural models, the role of epigenetic events on crop production, yield enhancing physiological events, tools enabling efficient exploration of genetic variability, domestication of new species, the detection or induction of drought resistance and apomixes and plant breeding enhancement.

### Contents

- The Yield in the Context of Industrial Versus Sustainable Agriculture
- Increasing Plant Breeding Efficiency through Evolutionary-Participatory Programs
- Genetic Tools for Crop Improvement: Past, Present, and Future
- Role of Epigenetics in Crop Improvement
- Enhancing Photosynthesis: Different Strategies to Improve the Process at the Basis of Life on Earth
- Seed Size: an Important Yield Component
- Genetic Variability as a Means to Improve Seedling Emergence and Early Developmental Phases in Crop Plants
- Natural Genetic Diversity and Crop Improvement
- Domestication of New Species
- Breeding for Drought Stress Resistance in Plants
- Genetic Strategies to Improve Resistance to Biotic Stresses in Plants
- Harnessing Apomixis to Improve Crops
- Molecular-Assisted Breeding
- Genetic Engineering for Crop Yield
- Plant Breeding and Next Generation Sequencing (NGS)
- Genome Editing in Crop Species
- Progress in Small Grain Cereals: A Case Study

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