



# Applied Mathematics and Omics to Assess Crop Genetic Resources for Climate Change Adaptive Traits

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## Applied Mathematics and Omics to Assess Crop Genetic Resources for Climate Change Adaptive Traits

**Applied Mathematics and Omics to Assess Crop Genetic Resources for Climate Change Adaptive Traits** focuses on practical means and approaches to further the use of genetic resources for mitigating the effects of climate change and improving crop production. Genetic diversity in crop plants is being further explored to increase yield, disease resistance, and nutritional value by employing recent advances in mathematics and omics technologies to promote the adaptation of crops to changing climatic conditions.

This book presents a broad view of biodiversity and genetic resources in agriculture and provides answers to some current problems. It also highlights ways to provide much-needed information to practitioners and innovators engaged in addressing the effects of global climate change on agriculture. The book is divided into sections that cover:

- The implications of climate change for drylands and farming communities
- The potential of genetic resources and biodiversity to adapt to and mitigate climate change effects
- Applications of mathematics and omics technologies
- Genomics and gene identification

We are in the midst of significant changes in global climates, and its effects are already being felt throughout the world. The increasing frequency of droughts and heat waves has had negative impacts on agricultural production, especially in the drylands of the world. This book shares the collective knowledge of leading scientists and practitioners, giving readers a broader appreciation and heightened awareness of the stakes involved in improving and sustaining agricultural production systems in the face of climate change.

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Applied Mathematics and Omics to Assess Crop Genetic Resources for Climate Change Adaptive Traits can be one of your beginner books that are good idea. We recommend that straight away because this guide has good vocabulary that will increase your knowledge in vocabulary, easy to understand, bit entertaining however delivering the information. The article writer giving his/her effort that will put every word into satisfaction arrangement in writing Applied Mathematics and Omics to Assess Crop Genetic Resources for Climate Change Adaptive Traits although doesn't forget the main position, giving the reader the hottest and also based confirm resource info that maybe you can be among it. This great information can easily drawn you into brand-new stage of crucial pondering.

#### **Gerard Pucci:**

The book untitled Applied Mathematics and Omics to Assess Crop Genetic Resources for Climate Change Adaptive Traits contain a lot of information on this. The writer explains the girl idea with easy technique. The language is very clear to see all the people, so do not really worry, you can easy to read it. The book was compiled by famous author. The author brings you in the new period of time of literary works. It is easy to read this book because you can keep reading your smart phone, or product, so you can read the book throughout anywhere and anytime. In a situation you wish to purchase the e-book, you can available their official web-site and also order it. Have a nice read.

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