

**Call for Book Chapters/Research Papers for Edited Book**  
To be published with ISBN under IIP International publishers, USA and India

# **Bio-Abyss: Navigating Biotic and Abiotic Stresses in Crop Plants Through Omics Technologies**



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### **Important dates:**

June 30, 2023 - Call for chapter proposals  
March 15, 2024 - Deadline for submission of chapter proposals  
September 15, 2023 - Notification of chapter proposal acceptance  
January 15, 2024 - Deadline for submission of full chapters  
March 15, 2024 - Review results returned to authors  
May 15, 2024 - Deadline for submission of revised chapters  
July 1, 2024 - Final manuscript submission to publisher  
November 1, 2024 - Expected publication date

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## Call for Chapters

# Bio-Abyss: Navigating Biotic and Abiotic Stresses in Crop Plants Through Omics Technologies

### Aims and Scope:

"Bio-Abyss: Navigating Biotic and Abiotic Stresses in Crop Plants Through Omics Technologies" is intended to be a comprehensive resource for researchers, students, practitioners, and policymakers involved in crop improvement, crop stress management, and sustainable agriculture.

The aim of this book is to elucidate the complex interplay between biotic and abiotic stress factors in crop plants and how this knowledge can be applied to improve crop resilience and productivity. It further seeks to familiarize readers with various omics technologies such as genomics, transcriptomics, proteomics, and metabolomics to decode the genetic and molecular basis of plant responses to these stresses.

- 1 An overview of the major biotic and abiotic stresses impacting crop plants.
- 2 A detailed examination of the physiological, biochemical, and molecular responses of plants to these stresses.
- 3 An exploration of the potential of omics technologies in advancing our understanding of these responses and informing crop improvement efforts.
- 4 Case studies showcasing the successful application of omics technologies in crop stress management and crop improvement.
- 5 A forward-looking discussion on the challenges and future directions in this field of research

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