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*To be published with ISBN under IIP International publishers, USA and India*

## **Recent Advances in Plant Sciences**



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Call for Chapters

# Recent Advances in Plant Sciences

## Aims and Scope:

"Recent Advances in Plant Sciences" will provide a comprehensive exploration of the latest developments in plant sciences across various sub-disciplines, including genetics, physiology, ecology, biotechnology, and more. Through an array of contributed chapters, this edited volume highlights recent breakthroughs, innovative methodologies, and interdisciplinary collaborations that have advanced our understanding of plant biology and its applications. Looking ahead, the future scope of this book lies in further interdisciplinary integration, leveraging emerging technologies such as artificial intelligence and advanced omics techniques to address complex challenges in agriculture, environmental sustainability, and human health. By fostering collaboration and innovation, "Recent Advances in Plant Sciences" aims to contribute to the ongoing advancement of plant sciences and its crucial role in addressing global challenges.

## List of Topics:

- Chapter 1. Gene Editing in Plants
- Chapter 2. Phylogenetic Accuracy of Plant Species with Chloroplast
- Chapter 3. Phylogenetic Accuracy of Plant Species with Nuclear Genome Specific Markers
- Chapter 4. Development of coding/non-coding RNAs
- Chapter 5. Transcriptomics
- Chapter 6. Proteomics
- Chapter 7. Genomics
- Chapter 8. Bioinformatics and Its Utilization in Green Biotechnology
- Chapter 9. Modern Techniques in Crop Improvement: Conventional Approach
- Chapter 10. Modern Techniques in Crop Improvement: Biotechnological Approach
- Chapter 11. Modern Techniques in Crop Improvement: Genomic Approach
- Chapter 12. Modern Techniques in Crop Improvement: Molecular Approach
- Chapter 13. Nanotechnology in Plant Sciences
- Chapter 14. Nanotechnology in Agriculture
- Chapter 15. Phytoremediation of Metal Pollutants
- Chapter 16. Programmed Cell Death in Plant Development

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