

CALL FOR CHAPTERS

Researchers, academicians, scientists, and professionals working in medicinal plants, environmental biotechnology, artificial intelligence, metabolomics, microbiology, and sustainable agriculture are cordially invited to contribute high-quality book chapters to the upcoming **edited book** entitled:

AI-Driven Phytoremediation in Medicinal and Aromatic Plants: Integrating Metabolomics and Plant–Microbe Interactions

About the Publisher

The Innovis Scientia Foundation (<https://www.innovisscientia.org>) is a not-for-profit (Section-8) organization committed to advancing scientific research, academic excellence, and knowledge sharing. We aim to provide a credible and ethical platform for researchers, academicians, and professionals to publish their work globally.

About the Book

Medicinal and aromatic plants (MAPs) are increasingly recognized for their significant role in environmental sustainability, phytoremediation, and the production of therapeutically important bioactive metabolites. Rapid advancements in artificial intelligence (AI), metabolomics, systems biology, bioinformatics, and plant–microbe interaction studies have opened new avenues for understanding and enhancing the efficiency of phytoremediation in medicinal plants.

This edited volume aims to provide an interdisciplinary platform covering emerging developments in AI-assisted phytoremediation, computational plant sciences, metabolomics, microbial biotechnology, and sustainable environmental management. The book intends to compile contributions from experts across academia, research organizations, and industry, focusing on innovative technologies and translational applications in medicinal and aromatic plants. The proposed volume will comprehensively address the integration of artificial intelligence, machine learning, omics technologies, rhizosphere engineering, and stress biology for improving phytoremediation potential and sustainable agricultural practices.

Scope of the Book

The book will cover multidisciplinary themes, including (but not limited to):

- Artificial intelligence and machine learning in plant sciences
- Medicinal and aromatic plants in environmental sustainability
- Computational modeling of pollutant uptake and stress responses
- Plant metabolomics and systems biology
- Rhizosphere microbiome and plant–microbe interactions
- Environmental biotechnology and phytoremediation
- Omics-driven approaches in medicinal plants
- Gene editing and transgenic strategies for stress tolerance
- Data-driven phytomedicine and sustainable agriculture

Proposed Table of Contents

Chapter 1: Introduction to AI-Driven Phytoremediation in Medicinal and Aromatic Plants

Chapter 2: Phytoremediation Mechanisms in Medicinal and Aromatic Plants

Chapter 3: Plant–Microbe Interactions Enhancing Phytoremediation Efficiency

Chapter 4: Metabolomics of Medicinal and Aromatic Plants under Environmental Stress

Chapter 5: Integrating Metabolomics and Plant–Microbe Networks for Phytoremediation

Chapter 6: Artificial Intelligence for Predictive Phytoremediation

Chapter 7: AI Integration with Metabolomics and Plant–Microbe Interactions
 Chapter 8: Precision Phytoremediation Using Smart Technologies
 Chapter 9: Applications of AI-Driven Phytoremediation in Medicinal and Aromatic Plants
 Chapter 10: Future Perspectives and Research Roadmap
 Chapter 11: Any other relevant (with permission of editors)

Submission Guidelines

Chapter formatting must strictly adhere to the guidelines of Innovis Scientia Foundation Publications, as provided on the official website (<https://www.innovisscientia.org/publish>).

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Authors are requested to submit their chapters through the Google Form link: <https://forms.gle/caYfhFRk5zmGxdEH8>. In case of any difficulty, email to EDITORS.

- Original and unpublished, should not be under consideration elsewhere.
- Acceptance of Chapters is subject to PEER REVIEW comments and recommendations.
- Authors are encouraged to include an abstract, illustrative figures, and recent references.
- Similarity index must comply with standard academic publishing ethics.
- Use of AI tools, if any, must be stated in terms of declaration at the end of each chapter.

Publication Fee:

NO Article Processing Charges (APC) for the publication of book chapters. Each book will be available online with a definite ISBN, free of charge. The hard copies may be purchased from the ONLINE PLATFORMS, as usual.

However, if authors wish to avail of the DOI assignment facility for their contributed chapters, ₹1000/- per chapter will be charged for this service.

Timeline

Submission of Chapter Title and Abstract	[July 20, 2026]
Acceptance of Proposal	[July 25, 2026]
Full Chapter Submission	[August 20, 2026]
Review Notification	[August 31, 2026]
Final Revised Submission	[September 15, 2026]
Final Acceptance	[September 25, 2026]
Expected Publication	[October 10, 2026]

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