

## Special Issue

# Application of Novel Techniques to Investigate Medicinal Plants

### Message from the Guest Editors

We are delighted to announce a Special Issue dedicated to the "Application of Novel Techniques to Investigate Medicinal Plants". This Special Issue aims to highlight the latest research and advancements in the field, focusing on innovative methodologies and their applications in studying medicinal plants. **Scope:** Medicinal plants have been a vital source of therapeutic agents for centuries. Recent technological advancements have opened new avenues for exploring these plants in greater detail. This Special Issue will cover a broad range of topics related to the elaboration of the plants' potencies to direct complementary studies in drug discovery pathways, including but not limited to the isolation, structure elucidation, and biological evaluation of compounds or plant products (e.g., essential oils, extracts) from medicinal plants using cutting-edge techniques. Additionally, the application of High-Resolution Mass Spectrometry (HRMS) and Artificial Intelligence tools, specifically metabolomics and molecular networking approaches, will be explored to uncover natural sources.

---

### Guest Editors

Dr. Javad Mottaghipisheh

Department of Aquatic Sciences and Assessment, Swedish University of Agricultural Sciences (SLU), P.O. Box 7050, SE-750 07 Uppsala, Sweden

Dr. Hafiz Suleria

School of Agriculture, Food and Ecosystem Sciences, Faculty of Science, The University of Melbourne, Parkville, VIC 3010, Australia

---

### Deadline for manuscript submissions

closed (31 May 2025)



## Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.7



[mdpi.com/si/218939](https://mdpi.com/si/218939)

*Agronomy*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[agronomy@mdpi.com](mailto:agronomy@mdpi.com)

[mdpi.com/journal/  
agronomy](https://mdpi.com/journal/agronomy)





# Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.7



[mdpi.com/journal/  
agronomy](https://mdpi.com/journal/agronomy)



## About the Journal

### Message from the Editor-in-Chief

*Agronomy* draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet.

*Agronomy* is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

---

### Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research,  
Charles Sturt University, Wagga Wagga, NSW 2678, Australia

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), GEOBASE, PubAg, AGRIS, and other databases.

#### Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)