

## Special Issue

# Recent Advances in Bee Rearing and Production

### Message from the Guest Editors

Despite historical advances, modern beekeeping faces numerous challenges. Factors such as habitat loss, pesticide exposure, climate change, and the proliferation of pests and diseases (notably Varroa mites) have contributed to a decline in bee populations. While modern challenges pose significant threats to bee populations, recent advances offer promising solutions. Through genetic research, innovative smart technologies, sustainable pest management, improved nutrition, conservation efforts, and community involvement, the future of beekeeping looks hopeful. This Special Issue focuses on the current and emerging trends in the development of apiculture. By covering a broad spectrum of topics, it aims to provide valuable insights and practical solutions that can be applied to improve bee health, productivity, and sustainability. This Special Issue will include a broad range of interdisciplinary studies embracing agriculture, biology, genetics, numerical methods, chemistry, and engineering. All types of articles, such as original research, opinions, and reviews, are welcome.

### Guest Editors

Dr. Atanas Atanasov

Department of Agricultural Machinery, Agrarian and Industrial Faculty, University of Ruse "Angel Kanchev", Ruse 7004, Bulgaria

Prof. Dr. Zlatko Puškadija

Department for Hunting, Fishery and Beekeeping Faculty of Agrobiotechnical Sciences Osijek, J.J. Strossmayer University of Osijek, V. Preloga 1, 31000 Osijek, Croatia

### Deadline for manuscript submissions

closed (30 September 2025)



## Agriculture

an Open Access Journal  
by MDPI

Impact Factor 4.5  
CiteScore 7.8



[mdpi.com/si/209720](https://mdpi.com/si/209720)

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

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





# Agriculture

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.5  
CiteScore 7.8



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



## About the Journal

### Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

---

### Editor-in-Chief

Prof. Dr. Les Copeland  
Sydney Institute of Agriculture, School of Life and Environmental  
Sciences, The University of Sydney, Sydney, NSW 2006, 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, RePEc, and other databases.

#### Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)