

## Special Issue

# Innovative Modelling Approaches in Agricultural Systems and Food Processes

### Message from the Guest Editors

Agricultural and food systems management is crucial to ensure feeding of a growing world population while keeping or even improving key issues like health, safety and environmental sustainability. While important advances in the last century have been done regarding quantification and mathematical modelling of agri-food processes, the continuous development of basic science opens new gaps to be covered. Agri-food systems are biological systems with an inherent dynamic and non-linear nature. Interactions among different systems and with the environment make the modelling process quite complex. This Special Issue aims to develop and explore modelling tools applicable to agricultural and food systems to support researchers in different areas, food scientists, engineers, and agri-food policy managers. It is not limited to the development and validation of novel mathematical models, but covers every step in the modelling process. For instance, (optimal) experiment design, decision-aiding tools, optimization, big data & machine learning, or software development are also of interest. For more information <https://www.mdpi.com/si/51333>

---

### Guest Editors

Dr. Jose A. Egea

Dr. Alberto Garre

Dr. Alejandro Galindo

Prof. Dr. Pablo S. Fernández-Escamez

---

### Deadline for manuscript submissions

closed (31 October 2021)



## Modelling

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.3  
CiteScore 2.7



[mdpi.com/si/51333](https://www.mdpi.com/si/51333)

### Modelling

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

[mdpi.com/journal/  
modelling](https://www.mdpi.com/journal/modelling)





# Modelling

an Open Access Journal  
by MDPI

Impact Factor 1.3  
CiteScore 2.7



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



## About the Journal

### Message from the Editorial Board

---

#### Editors-in-Chief

Prof. Dr. Alfredo Cuzzocrea

1. DISPES Department, University of Calabria, 87036 Rende, Italy
2. Institute of High Performance Computing and Networking, Italian National Research Council, Via P. Bucci, 7/11C, 87036 Rende, Italy

Prof. Dr. Wei Gao

School of Civil and Environmental Engineering, Faculty of Engineering,  
University of New South Wales, Sydney, NSW 2052, Australia

---

#### Author Benefits

##### High Visibility:

indexed within ESCI (Web of Science), Scopus, EBSCO,  
and other databases.

##### Rapid Publication:

manuscripts are peer-reviewed and a first decision is  
provided to authors approximately 21.2 days after  
submission; acceptance to publication is undertaken in 2.8  
days (median values for papers published in this journal in  
the first half of 2024).

##### Journal Rank:

CiteScore - Q1 (Mathematics (miscellaneous))