

## Special Issue

# Insights in Nutrition and Agri-Food Science Technology by Use of Smart Algorithm, Machine Learning, Multivariable and Omics Data Analysis

### Message from the Guest Editors

With continuous innovations and advancements in analytical instruments and computer technology, omics studies based on statistical analysis, such as phytochemical omics, oilomics/ lipidomics, proteomics, glycomics, flavoromics and metabolomics are increasingly popular in the areas of food chemistry and nutrition science. Smart algorithms and machine/deep learning, i.e., genetic algorithm (GA) optimization, random forest classification, logistic regression, and convolutional neural networks (CNN) are emerging data science approaches that have been widely developed to rapidly analyze multidimensional omics datasets from online sensors or offline analytical instruments. Although clearly designed roadmaps that permit the next generation development in the context of Agri-Food 4.0 are still being worked out, this challenging scenario in the Nutrition and Agri-Food Science Technology (NAFST) provides an opportunity for wide-ranging discussions.

---

### Guest Editors

Dr. Hefei Zhao  
Dr. Dongyi Wang  
Prof. Dr. Zeynep Altintas  
Dr. Jonathon Speed  
Dr. Isaac R. Rukundo  
Dr. Shengqian Sun

---

**Deadline for manuscript submissions**



## Life

---

an Open Access Journal  
by MDPI

---

**Impact Factor 3.4**  
**CiteScore 6.0**  
**Indexed in PubMed**



[mdpi.com/si/141203](https://mdpi.com/si/141203)

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

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





# Life

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.0  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

*Life* (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

---

### Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona  
Institute of Science and Technology, 08028 Barcelona, Spain

---

### 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), PubMed, PMC, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)