

Special Issue

Feeding Biology and Nutrition in Insects

Message from the Guest Editors

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

1. The morphology of feeding apparatus and digestive systems;
2. The feeding mechanisms/modes of diet intake;
3. The mechanisms of digestion and absorption of nutrients;
4. Taste and nutrient perception;
5. The role of microorganisms as food sources or in the digestion or detoxification of allelochemicals;
6. The behavioral, physiological and ecological aspects of nutrition;
7. The influence of environmental change in feeding and nutrition;
8. The evolutionary adaptations of insects to their diet.

Papers that report on the development of tools/practices for improved insect rearing are also welcome if they address the aspects of the nutrition and biology of the studied species. Papers reporting on the use of insects as model organisms to better understand the physiological processes, cellular mechanisms and genetics of human diseases related to nutrition are encouraged.

We look forward to receiving your contributions.

Guest Editors

Dr. Carlos A. Pascacio Villafán

Red de Manejo Biorracional de Plagas y Vectores, Clúster Científico y Tecnológico BioMimic®, Instituto de Ecología, A.C., Xalapa 91073, Mexico

Prof. Dr. Christopher W. Weldon

Department of Zoology and Entomology, University of Pretoria, Pretoria 0028, South Africa

Deadline for manuscript submissions

closed (31 March 2026)



Biology

an Open Access Journal
by MDPI

Impact Factor 4.3
CiteScore 7.3
Indexed in PubMed



mdpi.com/si/196484

Biology
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biology@mdpi.com

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





Biology

an Open Access Journal
by MDPI

Impact Factor 4.3
CiteScore 7.3
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

Editors-in-Chief

Prof. Dr. Jukka Finne

Research Programme in Molecular and Integrative Biosciences, Faculty of Biological and Environmental Sciences, University of Helsinki, P.O. Box 56, FI-00014 Helsinki, Finland

Prof. Dr. Andrés Moya

Integrative Systems Biology Institute, University of Valencia and CSIC, 46980 Valencia, Spain

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (General Agricultural and Biological Sciences)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.2 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2026).