



biology



an Open Access Journal by MDPI

Feeding Biology and Nutrition in Insects

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, Mexico

**Prof. Dr. Christopher W.
Weldon**

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

Deadline for manuscript
submissions:

15 February 2025

Message from the Guest Editors

This Special Issue aims to provide a comprehensive overview of the current research and the future directions on the topic of insect feeding and nutrition.

Original research articles and reviews are welcome. Research areas may include: The morphology of feeding apparatus and digestive systems; The feeding mechanisms/modes of diet intake; The mechanisms of digestion and absorption of nutrients; Taste and nutrient perception; The role of microorganisms as food sources or in the digestion or detoxification of allelochemicals; The behavioral, physiological and ecological aspects of nutrition; The influence of environmental change in feeding and nutrition; The evolutionary adaptations of insects to their diet. Reports on the development of tools/practices for insect rearing are also welcome if they address 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.



mdpi.com/si/196484

Special Issue



an Open Access Journal by MDPI

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

Message from the Editorial Board

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.

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, PubAg, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Biology*) / CiteScore - Q1 (*General Agricultural and Biological Sciences*)

Contact Us

Biology Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/biology
biology@mdpi.com
[X@Biology_MDPI](https://twitter.com/Biology_MDPI)