



Waste Valorization via *Hermetia illucens*: Potential Applications of Insect Biomass

Guest Editors:

Dr. Alessia Giannetto

Department of Chemical,
Biological, Pharmaceutical and
Environmental Sciences,
University of Messina, Viale
Ferdinando Stagno d'Alcontres,
31, 98166 Messina, Italy

Dr. Basilio Randazzo

Department of Agri-Food,
Environmental and Animal
Sciences - DI4A, University of
Udine, Via delle Scienze 206,
33100 Udine, Italy

Deadline for manuscript
submissions:

closed (30 June 2022)

Message from the Guest Editors

Dear Colleagues,

In the last five years, the volume of scientific articles focusing on the Black Soldier Fly (BSF) *Hermetia illucens* has grown almost exponentially, reaching more than 700 papers published on different international peer reviewed journals (data updated to February 2021, Scopus). The increasing interest of the scientific community has arisen from the particularly fascinating key role of the BSF in waste valorization during the larval bioconversion of organic wastes into valuable alternative sources of nutrients, mainly fats and proteins.

The urgent need to meet the growing global demand for nutrients requires scientific research to clarify the enormous potentialities of bioconversion by BSF through a multidisciplinary approach involving expertise in waste treatment, microbial safety, animal nutrition, biodiesel and bioactive compounds production, as well as regulations thus implementing this innovative solution within a context of circular economy. Original research papers and review articles reporting on all these aspects are welcome.

Guest Editors

Keywords

- *Hermetia illucens*
- bioconversion
- waste valorization
- feed
- aquaculture
- BSF meats



mdpi.com/si/76407

Special Issue



animals

Indexed in:
PubMed

CITESCORE
4.2

IMPACT
FACTOR
3.0

an Open Access
Journal by MDPI

Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Institute of Veterinary Medicine
and Animal Sciences, Estonian
University of Life Sciences,
Kreutzwaldi 1, 51014 Tartu,
Estonia
2. Curtin University Sustainability
Policy (CUSP) Institute, Kent St.,
Bentley 6102, 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), PubMed, PMC, Embase, PubAg, AGRIS, Animal Science Database, CAB Abstracts, and other databases.

Journal Rank: JCR - Q1 (*Veterinary Sciences*) / CiteScore - Q1 (*General Veterinary*)

Message from the Editor-in-Chief

Animals is an on-line open access journal that was first published in 2011. *Animals* adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. *Animals* is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 3.0 (2022, ranks 12 /62 (Q1) in 'Agriculture, Dairy & Animal Science'; 13/143 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

Contact Us

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

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

mdpi.com/journal/animals
animals@mdpi.com
[X@Animals_MDPI](https://twitter.com/Animals_MDPI)