



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

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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.

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Keywords

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





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