Special Issue

Endocrine and Metabolic Regulation in Insects

Message from the Guest Editors

Insects, as the most numerous and diverse organisms on Earth, are highly adaptative to biotic and abiotic environmental factors, such as microbes, viruses, plant metabolites, nutrients, seasonal shifts, etc. The endocrine systems of insects, in response to environmental stimuli, influence numerous biological processes, including growth, development, reproduction and behavior, achieving a physiological resistance to cope with adverse conditions. Complicated metabolic events, including nutritional homeostasis and functional metabolite production, are highly regulated during these processes. In this Special Issue, we aim to collect research that is relevant to insect hormone biosynthesis, hormone-regulated metabolic and nutritional homeostasis, insect metabolomics, the interactions between insects and plant metabolites, and the effects of microbial metabolites on insects. We welcome original research articles as well as in-depth reviews covering these topics.

Guest Editors

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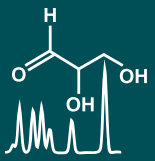
Deadline for manuscript submissions

closed (31 July 2023)



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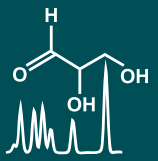

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About the Journal

Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

Editor-in-Chief

Dr. Amedeo Lonardo
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