

## Special Issue

# Molecular Ecology, Physiology and Biochemistry of Insects

### Message from the Guest Editor

Of all the zoological classes, insects are the most numerous in species and the most varied in structure. The omics era gives us the opportunity to gain deeper insight into the different aspects of insect physiology and environmental adaptation, for example, by silencing or overexpressing candidate genes of interest. A major challenge in current entomology is to integrate different levels of organization, from cellular mechanisms to functions in ecosystems. The rapid development of molecular techniques for studying physiological functions of genes will revolutionize entomology not only of so-called model organisms like *Drosophila*, but in general. When we understand how physiological processes are regulated and at what time, we will be able to manipulate them, thereby providing new attractive opportunities for practical applications.

We invite you to contribute original research articles and critical reviews on both basic and applied approaches in insect molecular biology. Articles on the molecular mechanisms of insect–plant interactions, and systems of insect communication in general, are also welcome.

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### Guest Editor

Prof. Dr. Klaus H. Hoffmann

Animal Ecology I, University of Bayreuth, 95440 Bayreuth, Germany

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### Deadline for manuscript submissions

closed (30 November 2019)



## International Journal of Molecular Sciences

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

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