Special Issue

The Emerging Role of Chromatin Remodelling in Insects

Message from the Guest Editor

Insects can amazingly adapt to every environmental condition, forming a wide range of phenotypes by maintaining genome plasticity. Rapid alterations in gene expression impacting biochemical, physiological, metabolic, and immune responses in insects are hallmarks of their quick response to any environmental change favouring their survival and reproduction. Several studies have provided experimental evidence that these insect responses are the outcome of changes in the chromatin structure through epigenetic modifications of DNA and histone proteins. Epigenetics has gained increasing interest among entomologists involved in basic and applied research, spawning a growing body of interdisciplinary study and providing us with innovative approaches to long-standing biological concerns. This Special Issue aims to present the current state of research in the field of chromatin dynamics in the context of infection, caste distinction, polyphenism, and metamorphosis in insects.

Guest Editor

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Message from the Editor-in-Chief

Arthropods are a diverse and abundant group of animals that are important to a variety of research dictates. For example, hexapods act as bio-indicators of ecosystem function and pest status and serve as model systems for questions concerning physiology, embryology, genetics, and social interaction. The editorial board and staff at Insects is committed to providing contributors an open access forum to showcase objective and innovative research as well as succinct review articles. Our journal is dedicated to providing timely and thorough review of qualified submissions and we welcome you to submit a contribution.

Editor-in-Chief

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