

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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Editor-in-Chief

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