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The Enigmatic Role of DNA Methylation in Invertebrates

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Message from the Guest Editor

Invertebrates are the largest and most heterogeneous group of animals on the planet. Their actions are shaping the biosphere and impact human health and well-being. Arthropods and mollusks not only have an indirect impact on agronomy as, e.g., pollinators or pests, but also are increasingly used as a source of animal proteins. The evolutionary success of invertebrates is related to their high phenotypic plasticity. It is now recognized that epigenetics, i.e., mitotically and/or meiotically heritable changes in gene function that cannot be explained by changes in DNA sequence, is one of the major contributors to phenotypic plasticity.

The purpose of this Special Issue is to provide new insights into the specific role(s) of DNA methylation in invertebrates and provide a new refreshing perspective on its importance.



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Special Issue



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Message from the Editor-in-Chief

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