



insects



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Systematics, Ecology and Evolution of Aphids

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Message from the Guest Editors

Dear Colleagues,

Aphids are a group of phloem-feeding insects with fascinating biological characteristics (e.g., complex life cycle, asexual and sexual reproduction, phenotypic plasticity, caste differentiation) and can have tight relationships with host plants, microbial symbionts, and other insect partners. Meanwhile, many aphid species are notorious agricultural and forestry pests. Therefore, aphids have long been popular research animals in basic and applied biology. In recent years, with the development of new research technologies and tools (e.g., DNA barcoding, high-throughput sequencing, ‘omics’), aphids are becoming increasingly useful research models for studying important scientific questions in ecology and evolution.

This Special Issue welcomes original and review articles focusing on aphids and related to topics including (but not limited to) systematics, biogeography, ecology and evolution, genomics, population genetics, species interactions and pest management.

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