

Special Issue

Travelers on the Wind: Migratory Insects as Emerging Research Models

Message from the Guest Editors

Migratory insects species such as the monarch butterfly, fall armyworm, brown planthopper, beet webworm, and migratory locust play significant roles in global ecology, agriculture, and biodiversity. Their capacity for long-distance migration and adaptability to diverse environmental and biological factors presents a unique opportunity to investigate key biological topics, including migration behavior and physiology, genetic adaptation, reproductive strategies, insecticide resistance, and intricate host–symbiont interactions. Recent advancements in omics, genetics, physiology, behavior, and ecology have accelerated our understanding of these complex mechanisms through research on migratory insects. This Special Issue invites contributions that use migratory insects as model systems across research fields. We welcome reviews, research articles, and short communications. Researchers are encouraged to share findings and insights that will advance our understanding of migratory insect biology and drive innovative solutions to ecological and agricultural challenges.

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Editor-in-Chief

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