



Arthropod Reproductive Biology

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Message from the Guest Editors

Dear Colleagues,

Arthropods, a diverse phylum encompassing insects, arachnids, crustaceans, and myriapods, represent the most successful group of organisms on the face of the Earth. Their large populations and great variety of individuals correlate with their high rates of reproduction. Successful reproduction across arthropod taxa is governed not only by biological adaptations, such as unique hormonal regulation and genetic pathways, but also by a vast array of mating behaviors, courtship rituals, and copulatory structures. Understanding arthropod reproductive biology is paramount for the scientific community, but also has practical implications through translational research. This knowledge can aid in the development of targeted strategies for pest control and the manipulation of beneficial species for pollination or biological control purposes. This Special Issue, devoted to arthropod reproductive biology, welcomes original articles and reviews exploring physiological, behavioral, and molecular aspects that contribute to the extraordinary success and resilience of arthropod life cycles.

