Special Issue

Insect-Plant Interactions: From Genes to Biochemical Elements

Message from the Guest Editor

Interactions between insects and plants date back to the times when these groups of organisms emerged onto the terrestrial environment of Earth. Since then, coevolutionary processes—still in progress—have led to emergence of multifaceted relationships, from antagonistic to mutualistic, and the formation of complex networks of connections. The enormous diversity of the observed phenomena relies on the genetic variation in and among populations of different species in reciprocal contacts. Moreover, the chemical signals that mediate information between and among the participants in specific interactions are considered to be one of the main forces shaping their ecological and evolutionary diversity. Both the genetic variation in and chemical signals involved in interspecies communication impact all the attributes for the existence of individuals and populations and shape the responses of organisms to the surrounding environment on different time scales, ranging from the immediate responses of an individual to the responses of species in evolutionary time.

Guest Editor

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Deadline for manuscript submissions

closed (20 May 2025)



International Journal of Molecular Sciences

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mdpi.com/si/205219

International Journal of Molecular Sciences Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 ijms@mdpi.com

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