

Special Issue

Biological Interactions of Pests

Message from the Guest Editors

Agricultural ecology witnesses a continual increase in the number of pests or insects representing problems. Certain aspects such as the behavior, immune system, development, etc., of pests could be used as new targets in ecological control measures. Now these studies focus on the community level of insects themselves and their interactions with other organisms. Advances have been made in understanding the mechanisms of numerous popular cases of biological interactions, particularly in multi-species interactions. The development of new research technologies will allow uncovering the signaling molecules and related signal pathways between some interactions of concern, e.g., intestinal microbial associates–insects, vector insects–pathogens, and natural enemy–insects–plants. The Special Issue will focus on Biological Interactions of Pests. We welcome novel research, review, and opinion pieces covering related topics including chemical communication, genetics and epigenetics, beneficial microorganisms, physiological responses, novel molecules and their signaling pathways, management solutions, modeling, case studies from the field, and policy positions.

Guest Editors

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Deadline for manuscript submissions

closed (20 February 2022)



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Editor-in-Chief

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