Biological Control of Forest Pests: Patterns, Mechanisms, and Prospects

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Deadline for manuscript submissions:
30 September 2024

Message from the Guest Editors

Biological control, as one of the important means to control forest pest damage, is a technology that uses entomopathogenic microorganisms, natural enemies or other biological metabolites to prevent and control the occurrence of pests and reduce the degree of damage. Pathogenic fungus, pathogenic bacteria, parasitic wasps and other beneficial organisms can all be used to prevent and control forest pests to varying degrees. Currently, functional genomics technologies are becoming more mature, and many new natural enemies are being discovered, all of which are expected to be applied in the biological control of forest pests. Therefore, the research on biological control models, mechanisms and prospects of forestry pests can provide key theoretical support for practical production applications and new methods for the biological control of forestry pests.

Potential topics include, but are not limited to:

- Forest pest biological control models;
- Molecular pathogenesis of forest pests;
- Prospects for biological control of forest pests;
- Different models of biological control of forest pests;
- Biological control of forest pests by genetic means.

Special Issue

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