

Special Issue

Spread and Damage of Invasive Forest Insects

Message from the Guest Editors

Invasive forest insects have had a significant impact on forests worldwide. The current process of globalization and the climate change situation raise the risk of insect invasions and forces us to face a great challenge for biodiversity and ecosystem stability. Non-native insects have demonstrated comparative advantages over native insects. They disrupt coevolutionary interactions, evading predators, pathogens and parasitoids and/or exploiting new food sources, which further leads to unpredictable trophic cascade effects. Consequently, biodiversity, forest production, the economic viability of forest ecosystems and, eventually, human health are under threat. This Special Issue aims to synthesize current understandings of the mechanisms and consequences of alien insects on forestry systems. We welcome articles that address ecology, biodiversity, prevention and early detection, management and mitigation, food security, forest production, economic consequences and human health in relation to the spread of invasive species.

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