Special Issue

Forest Insect Pests in Response to Global Climate Change

Message from the Guest Editors

Forest insect pests are a significant concern for forestry management. Understanding the ecological and evolutionary mechanisms underlying the effects of climate change on forest insect pests is essential for designing effective mitigation and adaptation strategies that promote forest health and productivity. Insect herbivores might suffer both direct and indirect effects of climate change, such as elevated temperatures, CO_2 concentrations, drought stress, and nutrient conditions, inducing greater food consumption by herbivores. Effective management strategies should consider the implications for forest management, biodiversity, and ecosystem services. The aim of this Special Issue is to focus on the state of the art of responses of forest insects to global climate change, considering the complexities of direct and indirect interactions; the contrasts of risks, processes, and protective measures in planted versus native forests; as well as the comparison between tropical and temperate forest ecosystems. We are particularly interested in cutting-edge research on forest resilience to disturbance and its impacts on insect population dynamics, and on the risks of pest upsurges.

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Forests (ISSN 1999-4907) is an international and cross-disciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access. Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

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