Special Issue

Advances in Wood-Boring Insects Control and Management

Message from the Guest Editors

Wood-boring insects are regarded as the most important forest pests, whose larvae and/or adults feed on the phloem and xylem of xylophyta, leading to physical and physiological damage to trees, causing a great loss for the wood industry. Wood borers are diversified and represented by many species of beetles, moths and wasps, including Buprestidae, Cerambycidae, Curculionidae, Scolytidae, Cossidae and Siricidae. However, wood borers are very difficult to control because of their concealed life history inside the wood, and it is difficult for trees to recover from the fatal boring damage. As a result, studies of wood borers aimed at revealing the mechanism of occurrence, establishing the efficient identification system for field work, developing accurate and real-time identification methods at the early stage of damage and investigating biohazard control approaches based on molecular, population, biocenosis, and landscape ecology are becoming the hotspots for forest pest control and prevention research.

Guest Editors

Prof. Dr. Shixiang Zong

Prof. Dr. Feng Wang

Dr. Fanghua Liu

Dr. Lili Ren

Dr. Milan Pernek

Dr. Marta Kovač

et al.

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Editor-in-Chief

Prof. Dr. Giacomo Alessandro Gerosa
Department of Mathematics and Physics, Catholic University of Brescia,
I-25121 Brescia, Italy

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