Special Issue

Molecular Characterisation and Diagnostic of Forest and Wood Building Damaging Fungi

Message from the Guest Editors

Wood decay fungi are central players of forest life and carbon cycling. They are highly diversified and involved in complex biotic and abiotic interactions at all stages of wood and tree life. Their precise identification through classical approaches is made difficult by their polymorphism and small size. Some of them are also involved in human and/or animal/plant diseases, reinforcing the importance of their proper detection and control. The capacity to have a proper diagnosis of fungi actually involved in a particular situation of interest constitute a determining factor of success of any mitigation or control attempt by physical and/or chemical treatment. It also concerns non-wood building parts since wood fungi can expand their damages beyond wood. Molecular tools enabling a precise identification of fungi from minute building air or material samples allow faster and more accurate identification but are still costly and subjected to sampling issues, especially when a diagnosis is needed for whole buildings or other civil engineering works, particularly if asymptomatic.

Guest Editors

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Deadline for manuscript submissions

closed (25 July 2020)

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Message from the Editor-in-Chief

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