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## The Use of Wood Extractives as Bio-Based Protectants for Wood and Wood-Based Materials

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Deadline for manuscript  
submissions:

**closed (28 February 2022)**

### Message from the Guest Editors

Dear colleagues,

Wood extractives offer protective resistance benefits to a wide range of naturally durable species and serve to protect the living tree from invading pests such as insects and pathogenic fungi. Extractives are also considered a complicating component of wood for downstream processes such as pulping for paper, digestion for the recovery of sugars/biofuels, and production of nanocellulosic materials. The effective separation and utilization of wood extractives via removal has been a research interest for several decades, but has yet to be fully realized as a viable wood utilization option. The goals of this Special Issue are to present the state-of-the-art in extractive utilization for wood protection and also present critical commentary on the hurdles that currently hinder the advancement of this field.

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*Guest Editors*



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# Special Issue