

Special Issue

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

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.

Guest Editors

Dr. Grant Kirker

USDA-FS Forest Products Laboratory, Madison, WI 53726, USA

Dr. Fred Eller

USDA-ARS National Center for Agricultural Utilization Research, Peoria, IL 61604, USA

Deadline for manuscript submissions

closed (28 February 2022)



Insects

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.6
Indexed in PubMed



mdpi.com/si/44422

Insects
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
insects@mdpi.com

[mdpi.com/journal/
insects](https://mdpi.com/journal/insects)





Insects

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.6
Indexed in PubMed



[mdpi.com/journal/
insects](https://mdpi.com/journal/insects)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Brian T. Forschler

Department of Entomology, University of Georgia, 413 Biological
Sciences Building, Athens, GA 30602-2603, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed,
PMC, PubAg, and other databases.

Journal Rank:

JCR - Q1 (Entomology) / CiteScore - Q1 (Insect Science)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 18.1 days after
submission; acceptance to publication is undertaken in 2.9
days (median values for papers published in this journal in
the first half of 2025).