# Special Issue

# Cognitive Ergonomics and Forestry: New Insight and Future Directions

## Message from the Guest Editors

Forestry operations involve a range of tasks, from harvesting timber to managing forest ecosystems. In recent years, there has been growing interest in the application of cognitive ergonomics principles to the design of forestry equipment, software, and decision support systems. Topics of interest for Special Issue include:

- The design and evaluation of forestry equipment from a cognitive ergonomics perspective, including chainsaws, harvesters, skidders, and other equipment used in forestry operations.
- The development and evaluation of software and decision support systems that incorporate cognitive ergonomics principles to improve decision making.
- The role of cognitive ergonomics in addressing safety concerns in forestry operations, including issues related to operator fatigue, distraction, and other human factors.
- The use of wearable technologies to monitor operator performance and provide real-time feedback on ergonomic factors such as posture and fatigue.
- The application of machine learning and artificial intelligence to forestry operations, including the development of models that can anticipate operator needs and adapt to their cognitive abilities and preferences.

## Guest Editors

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## Deadline for manuscript submissions

closed (9 November 2023)

# Forests

# About the Journal

## Message from the Editorial Board

*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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