



forests

an Open Access Journal by MDPI



Cognitive Ergonomics and Forestry: New Insight and Future Directions

Guest Editors:

Dr. Giovanna Ottaviani Aalmo

The Norwegian Institute of
Bioeconomy Research, As,
Norway

Dr. Natascia Magagnotti

National Research Council of
Italy- Institute for BioEconomy
(CNR-IBE), Via Madonna del
Piano, 10, 50019 Sesto
Fiorentino, Italy

Deadline for manuscript
submissions:

closed (9 November 2023)

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.



mdpi.com/si/168422

Special Issue



forests



an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Cate Macinnis-Ng

Department of Biological Sciences, Faculty of Science, University of Auckland, Private Bag 92019, Auckland 1142, New Zealand

Prof. Dr. Giacomo Alessandro Gerosa

Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, PubAg, AGRIS, PaperChem, and other databases.

Journal Rank: JCR - Q1 (*Forestry*) / CiteScore - Q1 (*Forestry*)

Contact Us

Forests Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/forests
forests@mdpi.com
X@Forests_MDPI