



*forests*

an Open Access Journal by MDPI



## Truffle Hunting and Mushrooms Ecology in Forest Ecosystems

Guest Editors:

**Dr. Slaven Zjalić**

Department of Ecology,  
Agronomy and Aquaculture,  
University of Zadar, Zadar,  
Croatia

**Dr. Ivan Širić**

Faculty of Agriculture, University  
of Zagreb, Zagreb, Croatia

Deadline for manuscript  
submissions:

**closed (15 December 2023)**

### Message from the Guest Editors

Mushrooms are a distinct group of living organisms of considerable nutritional, pharmaceutical, and ecological value. They play an extremely important role in the unfolding of ecological processes in terrestrial ecosystems, especially in forests. A very important role for the forest ecosystem is played by symbiotic fungi, especially mutualistic ones, which contribute to plant nutrition. In addition, mushrooms are capable of accumulating very high concentrations of toxic substances, which is why they are often used as biological indicators of the state of the ecosystem. There are several species of truffles, generally belonging to the genus *Tuber*, some of which are geographically widespread. Nevertheless, their availability does not meet market demand, and therefore, truffles are among the most expensive mushrooms. Local communities can benefit economically from the presence of truffles in their area, but uncontrolled hunting could cause ecological stress to the forest. The purpose of this Special Issue is to present the latest findings on truffles, truffle hunting, and mushrooms in general in the forest ecosystem.



[mdpi.com/si/132824](https://mdpi.com/si/132824)

# 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