# **Special Issue**

### Tree Stability and Tree Risk Analysis

### Message from the Guest Editor

In cities and towns, trees provide many benefits. However, because they are often near targets, such trees also present risk. Arborists and urban foresters manage tree risk to minimize costs associated with tree failure. Key components of managing tree risk include assessing the likelihood of failure, estimating the severity of consequences to a target if a tree failed, and determining appropriate ways to mitigate risk. We encourage submissions related to these topics, including but not limited to empirical, theoretical, and modeling investigations of the following: 1.Techniques to assess tree stability and likelihood of failure:

1.Assessing loads that induce failure;

2.Assessing load-bearing capacity (including factors that alter load-bearing capacity such as defects and response growth);

2. Intrinsic and extrinsic factors that influence the likelihood of failure;

- 3. Approaches to and techniques for risk analysis;
- 4. Approaches to and techniques for risk mitigation;
- 5. Risk tolerance of tree owners.

We hope that this Special Issue provides a forum for novel insights that will advance the science and practice of tree risk management.

### Guest Editor

Dr. Brian Kane Department of Environmental Conservation, University of Massachusetts – Amherst, 160 Holdsworth Way, Amherst, MA 01375, USA

#### Deadline for manuscript submissions

closed (25 April 2023)



## Forests

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 4.6



mdpi.com/si/82698

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

mdpi.com/journal/

forests





## Forests

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 4.6



forests



### About the Journal

### Message from the Editor-in-Chief

*Forests* (ISSN 1999-4907) is an international and crossdisciplinary, 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.

#### Editor-in-Chief

Prof. Dr. Giacomo Alessandro Gerosa Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

### **Author Benefits**

### **High Visibility:**

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

### Journal Rank:

JCR - Q2 (Forestry) / CiteScore - Q1 (Forestry)

### **Rapid Publication:**

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.1 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).