

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

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Deadline for manuscript submissions

closed (25 April 2023)



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About the Journal

Message from the Editor-in-Chief

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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