# **Special Issue**

# Tree Crown Dynamics and Morphology

### Message from the Guest Editor

Crown morphology determines the internal arrangement of foliage within the bulk canopy, which affects carbon assimilation and ultimately forest production. Trees display a wide variety of crown morphologies, which create a wide range of effects on the structure and functioning of forests. Various growth models are based on the functional relationships between foliage and the stem and branches. Growth occurs because of the redistribution of foliage and the need to add sapwood to accommodate new foliage and cross-sectional area to accommodate new mechanical forces. Better understanding the functional relationships between crown morphology and crown dynamics will improve not only the basic knowledge of tree function and structure, but also the practical application of density management and growth-growing stock relations in pure and mixed stands and in single- and multi-aged stands. For this Special Issue, I invite papers that contribute to our understanding of canopy dynamics and the functional relationships between foliage and stem growth and canopy structure, both physiological and mechanical.

### **Guest Editor**

Prof. Dr. Thomas J. Dean

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### Deadline for manuscript submissions

closed (31 December 2019)



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## 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.

#### Editor-in-Chief

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