Special Issue

Intrinsic Regulation of Diameter Growth in Woody Plants

Message from the Guest Editor

Secondary or diameter growth in perennial plants occurs through water, photosynthate and nutrient allocation in support of cellular metabolism, division, expansion and differentiation phenomena within interfascicular cambium, cortical tissues, vascular cambium and phellogen. These phenomena and tolerance of stems and roots to changing environments are crucially important for the survival of perennial woody species, and their explanations reside in genetics, biochemistry, biophysics and cell biology. This Special Issue will review the state of knowledge and present new findings on how secondary growth is regulated, with particular emphasis on the need to understand the basis for survival fitness and sustainability of woody species in a changing biosphere.

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Deadline for manuscript submissions

closed (31 March 2023)

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Forests

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.6

mdpi.com/journal/forests

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Message from the Editor-in-Chief

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