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Interactions Matter — Complex Effects of Competition, Disturbances, and Climate on Tree Growth

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Deadline for manuscript submissions:

closed (28 February 2019)

Message from the Guest Editors

Tree growth is the keystone ecological process that shapes forest ecosystem structure and drives the provision of ecosystem services to humans by the world forests.

We now encourage all researchers to contribute to a special issue of the journal Forests that focuses on tree growth response to multiple, interacting factors. Studies using a suite of dendrochronological variables (ring width, wood density, xylem anatomical features, and stable isotopes) are welcome, as long as they investigate the effect of interacting exogenous factors on elements of tree growth. Both retrospective studies and simulation of future growth (validated by dendrochronological techniques) are suitable for the Special issue. The issue will contribute to the advancement of dendrochronology and forest ecology knowledge, helping researchers globally to better understand tree growth patterns and processes under the simultaneous influence of multiple drivers. This will improve our capacity to model forest growth, use tree rings as accurate proxies for ecological and climatic processes, and develop management practices and strategies to face climate change.











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