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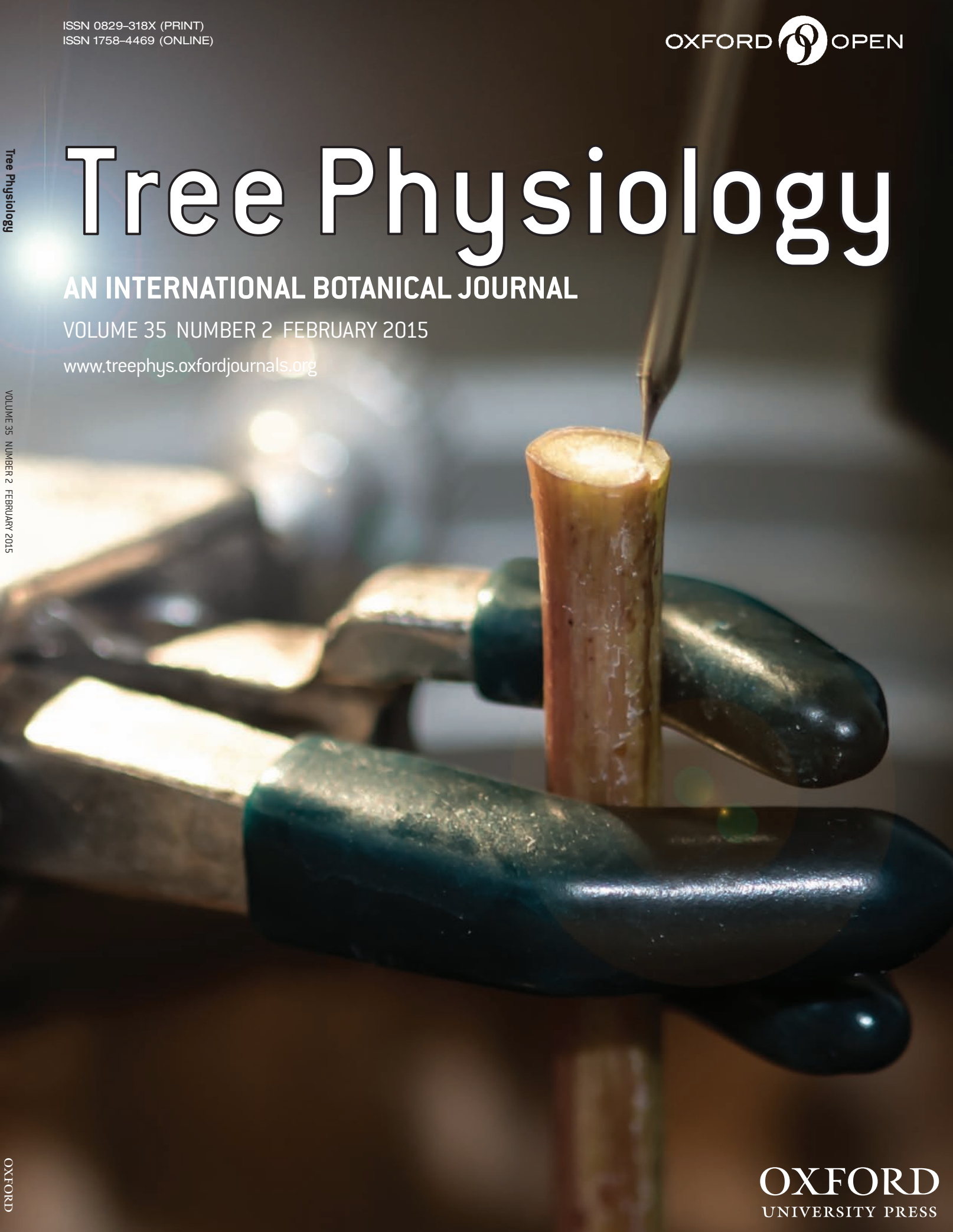
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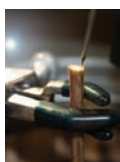
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Cover image: One of the chief threats to vascular transport of water in plants during drought is when air gets pulled into conduits and blocks water flow in a process called cavitation. Roots are generally more vulnerable to cavitation than other organs, but studies of roots have been limited with some suggesting that roots cannot be accurately studied using a standard centrifuge method. In this issue (pages 185-196), Pratt et al. show that the standard centrifuge method is accurately applied to roots and this is independently supported by a single-vessel injection method (pictured here). The authors also show that roots do not have unusually long vessels as has been assumed by some. Photo: Brandon Pratt.

Tree Physiology

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Articles published deal with all aspects of tree physiology, including growth, morphogenesis, photosynthesis, nutrition, pathology, reproduction, distribution, evolution, environmental adaptation, symbioses, heredity, metabolism, molecular biology, and the relationship between structure and function. Also published are articles having relevance to environmental management, biotechnology and the economic use of trees.

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