

## Jennifer M R Peters

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I am a plant ecophysiologicalist investigating forest responses to global change related stressors. My research identifies the physiological thresholds and tipping points that govern plant health and productivity and uses a mechanistic understanding of plant responses to drought, increasing temperature and other environmental stressors to refine predictions of future forest health or mortality at a landscape or global scale.

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### Education:

**Ph.D. Western Sydney University, Hawkesbury Institute for the Environment**, Richmond, NSW Australia

Awarded: April 2020

Major: Environmental Science

Dissertation: *“Hydraulic Vulnerability of Australian Forests to Drought”*

Advisors: Dr. Brendan Choat, Dr. Mark Tjoelker, Dr. Remko Duursma

**B.A. Bard College**, Annandale-On-Hudson, NY USA

Major: Ecological Biology

Advisors: Dr. Bill Maple, Dr. Felicia Keesing

### Semester in Environmental Science

**The Ecosystem Center at the Marine Biological Laboratory**, Woods Hole, MA USA

Advisor: Dr. Chris Neill

### Professional Experience:

**2025-Current Assistant Professor of Forest Ecophysiology, New Mexico State University**, Plant and Environmental Sciences, JTH Forestry Research Center, Mora, NM USA

**2023-2025 Research Fellow, Western Sydney University**, Richmond NSW Australia  
Hawkesbury Institute for the Environment

**2019-2022 Postdoctoral Researcher, Oak Ridge National Lab**, Oak Ridge, TN USA  
Climate Change Science Institute & Environmental Science Division

**2015-2019 PhD Candidate, Western Sydney University**, Richmond, NSW Australia  
Hawkesbury Institute for the Environment

**2014-2015 Team leader, Department of Conservation**, Hokitika New Zealand  
National Biodiversity Inventory and Monitoring Programme

**2011-2014 Data Quality Supervisor, Department of Conservation**, Christchurch New Zealand  
New Zealand Land Use and Carbon Analysis System (LUCAS), Science and Capability