45th New Phytologist Symposium

Ecological and evolutionary consequences of plant–fungal invasions

University of Campinas, Brazil | 20–23 June 2020
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Scope

As human activities increasingly alter the distribution and relative dominance of plant and soil fungal communities through introductions and management, it is becoming critical to understand the consequences of these changes for biodiversity and ecosystem functions. Although some case studies demonstrate that introduced plants and fungi bring highly novel traits into ecosystems, relatively little is known about the broad biogeographic patterns, ecological/evolutionary dynamics, and ecosystem/biogeochemical consequences of such introductions. We are aware of numerous individual projects on major plant–fungal co-invasions, and a recent paper (‘The emerging science of linked plant–fungal invasions’ by Dickie et al., New Phytol 215:1314–1332) made important contributions to a conceptual framework. This international symposium will build on this foundation, allowing a synthesis of results to date by identifying common themes/goals, developing collaborations across native/introduced ranges, and leveraging a global network to identify questions of large geographic scope.

Format

The symposium will take place over four days at the University of Campinas, Brazil. The symposium will be organised into sessions by research topics and there will be dedicated time for breakout sessions, poster sessions, selected poster talks and a field trip.

Keynote Speaker

Ian Dickie University of Canterbury, New Zealand

Speakers

Pedro Antunes Algoma University, Canada
Sara Branco Montana State University, USA
Mark Brundrett University of Western Australia
Erika Buscardo University of Brasilia, Brazil
Rob Colautti Queen’s University, Canada
Nicolas Corradi University of Ottawa, Canada
Miranda Hart University of British Columbia, Canada
Nicole Hynson University of Hawai‘i, USA
Ylva Lekberg MPG Ranch, USA
Hui-Ling Liao University of Florida, USA
Martin Nuñez CONICET/National University of Comahue, Argentina
Elisa Pellegrino Sant’Anna School of Advanced Studies Italy
Anne Pringle University of Wisconsin–Madison, USA
Eva Stukenbrock Max Planck Institute for Evolutionary Biology/University of Kiel, Germany
Leho Tedersoo University of Tartu, Estonia
Francois Teste CONICET, Argentina/University of Western Australia
Kathleen Treseder University of California, Irvine, USA
Mike Wingfield University of Pretoria, South Africa

Core organising committee

Jason Hoeksema University of Mississippi, USA
Miranda Hart University of British Columbia, Canada
Erika Buscardo University of Brasilia, Brazil
Laszlo Nagy University of Campinas, Brazil

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The New Phytologist Trust

The New Phytologist Trust is a non-profit-making organisation dedicated to the promotion of plant science.

Complete details and registration at newphytologist.org

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