

International Graduate Course on Plant Stress Ecophysiology

Parque Katalapi, Xth Region, Chile
January 10-19, 2013
<http://www.parquekatalapi.cl>



Aerial view of Katalapi

Organizers

Luis J. Corcuera (Universidad de Concepción)
León A. Bravo (Universidad de la Frontera)
Rafael E. Coopman (Universidad Austral de Chile)

Invited Lecturers

Rafael Oliveira (Brazil)
Hans Lambers (Australia)
Marilyn Ball (Australia)
Ignacio García-Plazaola (Spain)
Manuel Pinto (Chile)
Lohengrin Cavieres (Chile)

Registration fee: Graduate Students (US\$300; 150000 Ch pesos). Professionals: US\$600; 320000 Ch pesos). This fee includes food and lodging, and course materials.

Registration information: contact León A. Bravo at lbravo@ufro.cl or visit the web page <http://www.parquekatalapi.cl> ; Phone 45-592821

Application deadline: October 31, 2013

Course Description: The course will consist of lectures on the complexity of plant responses to the constraints imposed environmental stress, their interactions, and an in depth analysis of methods in stress ecophysiological research. In addition to regular lectures, the student will read and present seminar on specific stress topics and will develop a short research projects on one of the topics covered during the course. This activity and literature seminars presented by the students will be evaluated for the final approval of the course.



Salt crystals on Deschampsia antarctica

General Topics of the Course

Overview of Biological Stress Concepts
Stress Perception and Signaling Integration

Stresses (nutrients, temperature, water, light, salt)
Plant responses to Environmental Stress
Plant Adaptation and Acclimation
Plant Stress and Global Warming



Water stressed Hymenoglossum cruentum, a filmy fern

Sponsors

- Facultad de Ciencias Naturales y Oceanográficas y Escuela de Graduados, Universidad de Concepción, Concepción.
- Instituto de Silvicultura, Universidad Austral de Chile, Valdivia.
- Escuela de Verano de Postgrado. Doctorado en Ciencias m/ Biología Celular y Molecular Aplicada, Universidad de La Frontera, Temuco
- FONDECYT 1120964 (Int. Cooperation)

