

## CURRICULUM VITAE

Oswaldo J. VIDAL, Biologist

March 2012

### BIOSKETCH

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Oswaldo J. VIDAL, Biologist, currently Ph.D. student at the Institute of Silviculture, Vegetation Science and Site Classification of the Faculty of Forest and Environmental Sciences at Freiburg University, Germany. Main research interests: community ecology at meso and macro scales and the effects of human disturbances on plant and bird diversity.

### ACADEMIC QUALIFICATIONS

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- 2008. Ph.D. program at Albert-Ludwigs University Freiburg, supervised by Prof. Dr. h. c. Albert Reif and Prof. Dr. h. c. Dieter Pelz. Thesis project: *Anthropogenic disturbances affecting Nothofagus pumilio forests in Torres del Paine Biosphere Reserve*.
- 2005. Thesis in Biology, Faculty of Biological Sciences, Universidad Austral, Valdivia, Chile. Thesis work: *Exotic flora adjacent to remote trails in Torres del Paine Biosphere Reserve*.

### WORK EXPERIENCE

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- 2006-2008. Field and laboratory assistance for botanical baseline projects. Taxonomic determinations, field sampling, statistical analysis and technical inform writing. Institute of Botany, Faculty of Sciences, Universidad Austral de Chile.
- 2006-2007. Scientific assessor for design of botanical tours in Central-South Chile. Fantástico Sur Birding and Nature Tours, Punta Arenas, Chile.
- 2005. Field assistance in studies on aquatic macrophytes. Institute of Botany, Faculty of Sciences, Universidad Austral de Chile.

### GRANTS AND AWARDS

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- 2007. Scholarship for Ph.D. studies in Freiburg, Germany, period 2008-2011. Chilean Found of Sciences and Technology (CONICYT), and German Service for Academic Exchange (DAAD).
- 2005. First place ranked 1999 Biological Sciences Promotion, School of Biological Sciences, Universidad Austral, Valdivia, Chile.
- 2004. Price for the best thesis proposal of Regional interest, Chilean Government. Name of thesis work: *Exotic flora adjacent to remote trails in Torres del Paine National Park*.

### AFFILIATIONS

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- Associate member of the Chilean Society for Research in Tourism.
- Associate member of Environmental Association *Torres del Paine*.

### PROJECTS

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- 2012. The orchids of Torres del Paine Biosphere Reserve: species monitoring and ecotourism planning for biodiversity conservation. Ministry for Environment, Chile. Found of environmental protection. AMA Torres del Paine, technical support.

### BOOKS

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- Vidal O. J. (2007) *Flora of Torres del Paine Field Guide* (second edition). Punta Arenas, Fantástico Sur. 348 pp.

### ISI SCIENTIFIC PUBLICATIONS (4)

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- Vidal O. J., San Martín C., Bauk V., Mardones S. & C. F. Vidal (2012) The orchids of Torres del Paine Biosphere Reserve: the need for species monitoring and ecotourism planning for biodiversity conservation. *Gayana Botánica* 69 (in press).
- Bannister J. R., Vidal O. J., Teneb E. & V. Sandoval (2012) Latitudinal patterns and regionalization of plant diversity along a 4,270 km gradient in continental Chile. *Austral Ecology* 37 (in press).
- Vidal O. J., Bannister J. R., Sandoval V., Pérez Y. & C. Ramírez (2011) Woodland communities in the Chilean Cold-Temperate Zone (Baker and Pascua basins): floristic composition and morpho-ecological transition. *Gayana Botánica* 68: 141-154.

- Vidal O. J. & A. Reif (2011) Effect of a tourist-ignited wildfire on *Nothofagus pumilio* forests at Torres del Paine Biosphere Reserve, Chile (Southern Patagonia). *Bosque* 32: 64-76.

#### **THESIS (1)**

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- Vidal O. J. (2005) *Exotic flora adjacent to remote trails in Torres del Paine National Park*. Bachelor thesis. Institute of Botany, Faculty of Sciences, Universidad Austral de Chile, 124 pp.

#### **PRESENTATIONS AT SCIENTIFIC EVENTS (13)**

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- Álvarez M., Ramírez C., Vidal O. J., San Martín C. & Y. Pérez (2011) Degradation stages of the vegetation in Chilean Patagonia and potential bio-indicators. 22nd Colloquium on Latin-American earth sciences. Heidelberg, Germany, March.
- Vidal O. J., Reif A., Torres J., Ramírez C. & C. San Martín (2009) Anthropogenic disturbances affecting Southern Beech Forests in "Cerro Paine" (Torres del Paine Biosphere Reserve): Integrating tourism, cattle raising and conservation in a monitoring program (in spanish). 3rd Congress of Chilean Society for Research in Tourism, Valparaíso, Chile, May.
- Vidal O. J., Jiménez A., Ramírez C., Sandoval V., Rodríguez R., San Martín C. & A. Pauchard (2008) Biodiversity Patterns on vegetation from Pascua and Baker River Basins, Aysén, Northern Chilean Patagonia (in spanish). 15th Annual Meeting of Chilean Society of Ecology, Pucón, Chile, November.
- Ramírez C., San Martín, Vidal O. J., Álvarez M. & I. Paulini (2008) Chilean forest decline and exotic plant species in Chile. Towards G8: International Meeting of knowledge, experiences and testimonies. Biodiversity, Desertification, Food, Water and Human Rights. Sassari University, Sardegna, Italy, September.
- Vidal O. J., Ramírez C., Vidal C. & A. Reif (2008) Relevés databases as tools for eco-tourism planning (in spanish). 2nd Congress of Chilean Society of Tourism, Valdivia, Chile. April.
- Ramírez C., Sandoval V., O. J. Vidal (2008) *Nothofagus* Forests and Bushes from Pascua and Baker River Basin in Aysén, Chile (in spanish). 2nd Meeting on Patagonian *Nothofagus*. Esquel, Argentina, April.
- Álvarez M., Ramírez C., Vidal O. J., Toledo G. & I. Paulini (2007) Do Chilean forests die? 37th Conference of German Society of Ecology. Marburg, Germany, September.
- Vidal O. J. & C. Ramírez (2006) Effect of solar radiation on foliar chlorophyll contents in *Egeria densa* planch (Hydrocharitaceae): an experimental study (in spanish). 3rd Congress of Chilean Limnological Society, Punta Arenas, Chile, October.
- Vidal O. J. (2006) Eco-tourism in Torres del Paine Biosphere Reserve: a threat for biodiversity? (in spanish). 27th congress of Chilean Society of Geography. Santiago de Chile, October.
- Vidal O. J., Montenegro D. & C. Ramírez (2005) *Sphagnum*-bogs from Caleta Tortel, Aisén: floristic composition and syntaxonomical position (in spanish). 26th congress of Chilean Society of Geography. Santiago de Chile, October.
- San Martín C., Boetcher C. & O. J. Vidal (2005) Effect of slurry concentration on growth and survival of *Limnium laevigatum* (Hydrocharitaceae) (in spanish). 30th congress of Argentinian Society of Botany. Rosario, Argentina, November.
- Vidal O. J. & C. Ramírez (2004) Exotic flora adjacent to remote trails in Torres del Paine National Park (Chilean Patagonia) (in spanish). 47th congress of Chilean Society of Biology. Pucón, Chile, November.
- Vidal O. J., Díaz I. & R. Nespolo (2003) Effect of vegetation formations on bird biodiversity in Chilean Patagonia (in spanish). 46th congress of Chilean Society of Biology. Pucón, Chile, November.

#### **TALKS (2)**

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- Human impacts on landscape, ecosystems, and species diversity in Torres del Paine Biosphere Reserve, Chile. Seminar for the Baden-Württemberg Society for Natural Sciences and Nature Protection, Freiburg (Badischer Landesverein für Naturkunde und Naturschutz), 25 Januar 2012.
- Fire and grazing disturbances affecting Lengua Southern Beech forests in Torres del Paine Biosphere Reserve. Seminar for the Silviculture Institute, Faculty of Forests and Environmental Sciences, Freiburg University, 21 May 2010.

#### **MEDIA (4)**

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- "Fire Alarm", by James Fair. *BBC Wildlife Magazine* (01 March 2012).
- "Expert points out no possible the recovery of the Paine", by Roberto Hofer (in spanish). *La Prensa Austral Newspaper* (17 March 2010).

- "Go away invader! non-native wild invader flowering Patagonia", by Cristina Cooke. *Patagonia Black ship* Newspaper (21 Januar 2008).
- "Torres del Paine under biological invasion" (in spanish), by Manuel González. *La Prensa Austral* Newspaper (13 November 2006).

### **PRACTICES (3)**

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- 2009. Scientific exchange in Greece for learning field sampling technics in forest ecology. Covered topics: soil, climate, flora and vegetation. Spergiada. Organized by Institute of Silviculture, Albert-Ludwigs University Freiburg (Germany) and Aristotles University of Thessaloniki (Greece).
- 2008. "Site classification of European Forests". Covered topics: soil, climate, flora and vegetation. Brasov, Rumania, 4-15 August 2008. Organized by institute of Silviculture, Albert-Ludwigs University Freiburg (Germany): Laboratory of Forest botany and Geobotany, Aristotle University of Thessaloniki (Greece) and Faculty of Silviculture and Forest Engineering, Transylvania University (Rumania). Under the framework of Life-long Learning Program (Erasmus) of the European Union.
- 2006. "International Summer School Austral 2006" Covered topics: silviculture and wood production of native forests and exotic plantations. Valdivia, Chile, 13-24 November 2006. Organized by Intitute of Forest Organization and Work Sciences with the Institute of Silviculture, Albert-Ludwigs University Freiburg (Germany) in cooperation with the Universidad Austral de Valdivia (Chile). Founded by German Service for Academic Exchange.

### **OTHER INTEREST**

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- Classical music, baritone amateur, experience in chorus interpreting renaissance, barroc, romantic and contemporary styles (Bach, Buxtehude, Beethoven, Mahler, Pärt).
- Nature photography.