# CURRICULUM VITAE


## AMY T. AUSTIN

Associate Professor, Ecology
Principal Research Scientist, CONICET
University of Buenos Aires
Faculty of Agronomy and IFEVA-CONICET
Avenida San Martín 4453
(C1417DSE) Buenos Aires, ARGENTINA
Phone: (54 11) 4524-8070/8071 ext. 8129
email: austin@ifeva.edu.ar
URL: http://www.agro.uba.ar/users/austin/


### *Academic Background*

B.A. *magna cum laude* Environmental Science, **Willamette University**, 1988
Ph.D. Biological Sciences, **Stanford University**, 1997

### *Academic Employment*

| | |
|---|---|
| **2013-present** | *Principal Research Scientist,* Consejo Nacional de Investigaciones Científicas y Tecnológicas (CONICET), Argentina |
| **2010-2013** | *Associate Research Scientist*, Consejo Nacional de Investigaciones Científicas y Tecnológicas (CONICET), Argentina |
| **2010-present** | *Coordinator and Professor*, Graduate Program in Natural Resources, Graduate School of the Faculty of Agronomy, University of Buenos Aires |
| **2012-present** | *Associate Professor*, College of Agronomy, University of Buenos Aires, Argentina |
| **2008-2012** | *Assistant Professor*, College of Agronomy, University of Buenos Aires, Argentina |
| **2008-2009** | *Adjunct Research Scientist*, Consejo Nacional de Investigaciones Científicas y Tecnológicas (CONICET), Argentina |
| **2004-2007** | *Lecturer*, College of Agronomy, University of Buenos Aires, Argentina |
| **2005-2007** | *Assistant Research Scientist*, Consejo Nacional de Investigaciones Científicas y Tecnológicas (CONICET), Argentina |
| **1999-2005** | *Research Scientist*, Inter-American Institute for Global Change Research |
| **1997-1999** | *Postdoctoral Research Associate*, National Science Foundation |
| **1992-1997** | *Research/Teaching Assistant*, Stanford University |
| **1990-1992** | *Research Assistant*, Humboldt State University |

***Awards and Honors***

| | |
|---|---|
| **2015** | National Award, L'Oréal-UNESCO Prize for Women in Science, Argentina |
| **2004** | Early Career Award, Antorchas Foundation of Argentina |
| **1995** | Centennial Teaching Award, School of Humanities and Sciences, Stanford University |
| **1994** | NASA Graduate Student Fellowship in Global Change Research |

## *Scientific Publications*

- Araujo PI, **Austin AT** (2015) A shady business: pine afforestation alters the primary controls on litter decomposition along a precipitation gradient in Patagonia, Argentina *Journal of Ecology* 103:1408-1420.

- Erickson III DJ, Sulzberger B, Zepp, RG, **Austin AT** (2015) Effects of stratospheric ozone depletion, solar UV radiation and climate change on biogeochemical cycling: interactions and feedbacks *Photochemical and Photobiological Sciences* 14: 127-148

- Bustamante MMC, Martinelli LA, Ometto, SPB, Carmo JB, Jaramillo VJ, Gavito ME, Araujo PI, **Austin AT**, Pérez T, Marquina S (2014) Innovations for a sustainable future: rising to the challenge of nitrogen greenhouse gas management in Latin America. *Current Opinion in Environmental Sustainability* 9-10: 73-81

- **Austin AT**, Vivanco L, González-Arzac A, Pérez L. (2014) There's no place like home: An exploration of the mechanisms behind plant litter-decomposer affinity in terrestrial ecosystems. *New Phytologist* 204: 307-314.

- Williamson CE, Zepp RG, Lucas RM, Madronich S, **Austin AT**, Ballaré CL, Norval M, Sulzberger B, Bais A McKenzie RL, Robinson SA, Häder D-P, Paul ND, Bornman, JF. (2014) Solar ultraviolet radiation in a changing climate. *Nature Climate Change.* 4: 343-441.

- Hess LJT, **Austin AT** (2014) *Pinus ponderosa* alters nitrogen dynamics and diminishes the climate footprint in natural ecosystems of Patagonia. *Journal of Ecology* 102: 610-621

- **Austin AT**, Bustamante MMC, Nardoto GB, Mitre SK, Pérez T, Ometto JPHB, Ascarrunz NL, Forti MC, Longo K, Gavito ME, Enrich-Prast A, Martinelli LA (2013) Latin America's nitrogen challenge. *Science* 340: 149

- Gonzalez-Polo M, Fernández-Souto A, **Austin AT** (2013) Coarse Woody Debris Stimulates Soil Enzymatic Activity and Litter Decomposition in an Old-Growth Temperate Forest of Patagonia, Argentina. Ecosystems 16: 1025-1038

- Ballaré CL, Mazza CA, **Austin AT**, Pierik R (2012) Canopy light and plant health. *Plant Physiology* 160: 145-155

- Araujo PI, Yahdjian L, **Austin AT**. (2012) Do soil organisms affect aboveground litter decomposition in the semiarid Patagonian steppe, Argentina? *Oecologia* 168:221-230

- **Austin AT**, Marchesini VM. (2012) Gregarious flowering and senescence of understorey bamboo (*Chusquea culeou*) slows litter decomposition and nitrogen turnover in a southern temperate forest, Patagonia Argentina. *Functional Ecology 26:* 265-273

- Montti L, Campanello PI, Gatti MG, Blundo C, **Austin AT**, Sala OE, Goldstein GH (2011) Understory bamboo flowering provides a very narrow light window of opportunity for canopy-tree recruitment in a neotropical forest of Misiones, Argentina. *Forest Ecology and Management*. 262: 1360-1369

- **Austin AT**. (2011) Has water limited our imagination for aridland biogeochemistry? *Trends in Ecology and Evolution*. 26:229-235.

- Finzi AF, **Austin AT**, Cleland EE, Frey SD, Houlton BZ, Wallenstein M. (2011) Responses and feedbacks of coupled biogeochemical cycles to climate change: examples from terrestrial Ecosystems. *Frontiers in Ecology and the Environment.* 9: 61-67.

- **Austin AT**, Ballaré CL. (2010). Dual role of lignin in litter decomposition in terrestrial ecosystems. *Proceedings of the National Academy of Sciences, USA*. 107: 4618-4612

- **Austin AT**, Araujo PI, Leva PE (2009) Interaction of position, litter type and pulsed water events on decomposition of grasses from the Patagonian steppe, Argentina. *Ecology* 90: 2642-2647

- Golluscio RA, **Austin AT**, García-Martínez G, Gonzalez-Polo M, Sala OE, Jackson RB (2009). Sheep grazing decreases organic carbon and nitrogen pools in the Patagonian steppe: combination of direct and indirect effects. *Ecosystems*. 12:686-697

- Gonzalez-Polo M, **Austin AT** (2009) Spatial heterogeneity provides organic matter refuges for soil microbial activity in the Patagonian steppe, Argentina. *Soil Biology and Biochemistry* 41:1348-1351

- Marchesini VM, Sala OE, **Austin AT** (2009) Ecological consequences of a massive flowering event of bamboo (*Chusquea culeou*) in a temperate forest of Patagonia, Argentina. *Journal of Vegetation Science* 20:424-432.

- Giordano CV, Sánchez RA, **Austin AT** (2009) Gregarious bamboo flowering opens a window of opportunity for regeneration in a temperate forest of Patagonia. *New Phytologist* 181:880-889

- Vivanco L, **Austin AT** (2008) Tree species identity alters forest litter decomposition through long-term plant and soil interactions in Patagonia, Argentina. *Journal of Ecology* 96:727-736 (Recipient of the 2008 John L. Harper Young Investigator's Award)

- **Austin AT**, Sala OE, Jackson RB (2006) Inhibition of nitrification alters carbon turnover in the Patagonian steppe. *Ecosystems* 9:1257-1265

- **Austin AT**, Vivanco L (2006) Plant litter decomposition in a semi-arid ecosystem controlled by photodegradation. *Nature* 442:555-558

- **Austin AT**, Pineiro G, Gonzalez-Polo M (2006) More is less: agricultural impacts on the N cycle in Argentina. *Biogeochemistry* 79:45-60

- Martinelli LA, Howarth RW, Cuevas E, Filoso S, **Austin AT**, Donoso L, Huszar V, Keeney D, Lara LL, Llerena C, McIssac G, Medina E, Ortiz-Zayas J, Scavia D, Schindler DW, Soto D, Townsend A (2006) Sources of reactive nitrogen affecting ecosystems in Latin America and the Caribbean: current trends and future perspectives. *Biogeochemistry* 79:3-24

- Phoenix GK, Hicks WK, Cinderby S, Kuylenstierna JCI, Stock WD, Dentener FJ, Giller KE, **Austin AT**, Lefroy RDB, Gimeno BS, Ashmore MR, Ineson P (2006) Atmospheric nitrogen deposition in world biodiversity hotspots: the need for a greater global perspective in assessing N deposition impacts. *Global Change Biology* 12:470-476

- Vivanco L, **Austin AT** (2006) Intrinsic effects of species on leaf litter and root decomposition: a comparison of temperate grasses from North and South America. *Oecologia* 150:97-107

- Yahdjian L, Sala OE, **Austin AT** (2006) Differential controls of water input on litter decomposition and nitrogen dynamics in the Patagonian steppe. *Ecosystems* 9:128-141

- **Austin AT**, Yahdjian L, Stark JM, Belnap J, Porporato A, Norton U, Ravetta DA, Schaeffer SM (2004) Water pulses and biogeochemical cycles in arid and semiarid ecosystems. *Oecologia* 141:221-235 * Most highly-cited paper in *Oecologia* for 2004*

- Amundson R, **Austin AT**, Schuur EAG, Yoo K, Matzek V, Kendall C, Uebersax A, Brenner D, Baisden WT (2003) Global patterns of the isotopic composition of soil and plant nitrogen. *Global Biogeochemical Cycles* 17, 1: 1031, DOI:10.1029/2002GB001903

- Lopez NI, **Austin AT**, Sala OE, Mendez BS (2003) Controls on nitrification in a water-limited ecosystem: experimental inhibition of ammonia-oxidising bacteria in the Patagonian steppe. *Soil Biology & Biochemistry* 35:1609-1613

- **Austin AT**, Sala OE (2002) Carbon and nitrogen dynamics across a natural precipitation gradient in Patagonia, Argentina. *Journal of Vegetation Science* 13:351-360

- **Austin AT** (2002) Differential effects of precipitation on production and decomposition along a rainfall gradient in Hawaii. *Ecology* 83:328-338

- **Austin AT**, Vitousek PM (2000) Precipitation, decomposition and litter decomposability of Metrosideros polymorpha in native forests on Hawai'i. *Journal of Ecology* 88:129-138

- **Austin AT**, Sala OE (1999) Foliar delta N-15 is negatively correlated with rainfall along the IGBP transect in Australia. *Australian Journal of Plant Physiology (Functional Plant Biology)* 26:293-295

- Handley LL, **Austin AT**, Robinson D, Scrimgeour CM, Raven JA, Heaton THE, Schmidt S, Stewart GR (1999) The N-15 natural abundance (delta N-15) of ecosystem samples reflects measures of water availability. *Australian Journal of Plant Physiology (Functional Plant Biology)* 26:185-199 *Most highly-cited paper in *Functional Plant Biology* for 1999*

- **Austin AT**, Vitousek PM (1998) Nutrient dynamics on a precipitation gradient in Hawai'i. *Oecologia* 113:519-529

***Book chapters***

- Erisman JW, Leach A, Adams M, Agboola JI, Ahmeta, L, Alard D, **Austin AT**, Awodun M A, Bareham S, Bird TL, Bleeker A, Bull K, Cornell S E, Davidson E, de Vries W, Dias T, Emmett B, Goodale C, Greaver T, Haeuber R, Harmens H, Hicks WK, Hogbom L, Jarvis P, Johansson M, Russell Z, McClean C, Paton B, Perez T, Plesnik J, Rao N, Schmidt S, Sharma Y B,

Tokuchi N, Whitfield, CP (2014) Nitrogen Deposition Effects on Ecosystem Services and Interactions with other Pollutants and Climate Change. In: Sutton MA, Mason KE, Sheppard LJ, Sverdrup H, R. Haeuber R, Hicks WK (eds.) *Nitrogen Deposition, Critical Loads and Biodiversity*, pp. 493-505. Springer Netherlands.

- **Austin AT**, Howarth RW, Baron JS, Chapin FS, Christensen TR, Holland EA, Ivanov MV, Lein AY, Martinelli LA, Melillo JM, Shang C (2003) Human disruption of element interactions: Drivers, consequences, and trends for the twenty-first century. In: Melillo JM, Field CB, Moldan B, (eds) *Interactions of major biogeochemical cycles: global change and human impacts*, Island Press, Washington DC. pp. 15-46

- Sala OE, **Austin AT**, Vivanco L (2001) Temperate grassland and shrubland ecosystems. In: Levin SA (ed) *Encyclopedia of Biodiversity*. Academic Press, San Diego, pp 627-635

- Sala OE, **Austin AT** (2000) Methods of estimating aboveground net primary production. In: Sala OE, Jackson RB, Mooney HA, Howarth RH (eds) *Methods in Ecosystem Science*. Springer, New York, pp 31-43

- Field CB, Jaramillo V, **Austin AT**, Korner C, Schulze ED, Tilman D (1995) Productive capacity and biomass accumulation. In: Mooney HA, Lubchenco J, Dirzo R, Sala OE (eds) *Biodiversity and ecosystem functioning: ecosystem analyses. Global Biodiversity Assessment*. Cambridge University Press, Cambridge, pp 402-406

***Other publications***

- **Austin AT**, Zanne, AE (2015) Whether in life or death: fresh perspectives on how plants affect biogeochemical cycling. *Journal of Ecology*, 103:1367-1371.

- Bardgett R, **Austin AT.** (2014) Virtual Issue: Soils. *Journal of Ecology* http://www.journalofecology.org/view/0/VI_Soil.html

- **Austin AT**, Ballare, CL (2014) Plants interacting with other organisms: molecules, ecology and evolution. *New Phytologist* 204: 257-260

- **Austin AT**, Vitousek PM (2012) Introduction to a Virtual Special Issue on ecological stoichiometry and global change. *New Phytologist* 196: 649-651

- Andrady AL, Aucamp PJ, **Austin AT**, Bais AF, Ballare CL, Bjorn LO, Bornman JF, Caldwell M, Cullen AP, Erickson DJ, de Gruijl FR, Hader DP, Helbling W, Ilyas M, Longstreth J, Lucas R, McKenzie RL, Madronich S, Norval M, Paul ND, Redhwi HH, Robinson S, Shao M, Solomon

KR, Sulzberger B, Takizawa Y, Tang XY, Torikai A, van der Leun JC, Williamson CE, Wilson SR, Worrest RC, Zepp RG Environmental effects of ozone depletion and its interactions with climate change: progress report, 2011 United Nations Environment Programme, Environmental Effects Assessment Panel. *Photochemical & Photobiological Sciences* 11:13-27

- **Journal of Ecology: Editor's Choice** May 2012 http://jecologyblog.wordpress.com/2012/04/05/editors-choice-1003/

- **Austin AT** (2012) Celebrating the ecosystem's three-quarter century: Introduction to a Virtual Special Issue on Sir Arthur Tansley's ecosystem concept. *New Phytologist* 192:561-563

- **Journal of Ecology: Editor's Choice** January 2012 http://www.journalofecology.org/view/0/edchoice1001.html

- Anderson CB, Celis-Diez JL, Bond BJ, Pastur GM, Little C, Armesto JJ, Ghersa C, **Austin AT,** Schlichter T, Lara A, Carmona M, Chaneton EJ, Gutierrez JR, Rozzi R, Vanderbilt K, Oyarce G, Fernández RJ (2012) Progress in Creating a Joint Research Agenda that Allows Networked Long-Term Socio-Ecological Research in Southern South America - Addressing Crucial Technological and Human Capacity Gaps Limiting its Application in Chile and Argentina. *Austral Ecology* 37:529-536

- **Austin AT** 2009. Planning for connections in the long-term in Patagonia (Meeting Report). *New Phytologist*. 182:13-16.

- **Austin AT** (2004). The human footprint in ecology – past, present and future (Meeting Report). *New Phytologist*. 164:419-422.

***Manuscripts in review***

- Berenstecher P, Gangi D, González-Arzac A, **Austin AT**. Soil microbial and faunal communities are stimulated in the wake of the 2011 Puyehue volcanic eruption in a semiarid woodland in Patagonia, Argentina *Functional Ecology*

- Hess LJT, **Austin AT.** No rhizosphere advantage: pine afforestation does not stimulate rhizosphere activity in Patagonian ecosystems of South America. *Global Change Biology.*

***Major Grants and Funding***

**2015-2018** **PICT 2013, Agencia Nacional de Promoción Científica y Tecnológica (ANPCyT), Argentina.** Impacts of photodegradation on ecosystem carbon cycling in temperate grasslands of Argentina **(Principal Investigator)**

**2011-2014** **PICT 2010, Agencia Nacional de Promoción Científica y Tecnológica (ANPCyT), Argentina.** Controls of photodegradation on carbon cycling in terrestrial ecosystems. **(Principal Investigator)**

**2010** **New Phytologist Trust.** Funding for Symposium: 'Plant interactions with other organisms: molecules, ecology and evolution'. **(Co-Organizer)**

**2010-2013** **PICT 2008, Agencia Nacional de Promoción Científica y Tecnológica (ANPCyT), Argentina.** Effects of pine afforestation on carbon and nutrient cycling along a precipitation gradient in Patagonia. **(Principal Investigator)**

**2008** **Proyectos de Modernización de Equipamiento (PME), Agencia Nacional de Promoción Científica y Tecnológica.** From molecules to ecosystems: a research network in metabolomics and biogeochemistry. **(Co-Principal Investigator)**

**2006-2009** **Universidad de Buenos Aires (UBACyT), Programación Científica 2006-2009 (G812).** Impacts of pine forestation on carbon and nutrient cycling along a regional precipitation gradient in Patagonia, Argentina. **(Principal Investigador)**

**2006-2009** **PICT 2005 Nº 31970, Agencia Nacional de Promoción Científica y Tecnológica (ANPCyT), Argentina.** The use of genetic and molecular tools in ecological research: using Arabidopsis mutants for understanding litter quality effects on decomposition in terrestrial ecosystems. **(Principal Investigador**)

**2005-2008** **PICT 2004 Nº 21247, Agencia Nacional de Promoción Científica y Tecnológica (ANPCyT), Argentina.** Carbon-nitrogen interactions and the effects of biodiversity in natural ecosystems of Patagonia, Argentina. **(Principal Investigator)**

**2004-2007** **Early Career Award, Fundación Antorchas, Argentina Nº4248-50** Controls on decomposition in natural ecosystems: abiotic and biotic mechanisms as controls on carbon and nitrogen cycling in natural ecosystems of Argentina. **(Principal Investigator)**.

**2004** **Workshop: Inter-American Nitrogen Network,** Inter-American Institute Small Grants Program II **(Co-Principal Investigator)**

**2002-2004** **Small Grants in Ecological Research (SGER), National Science Foundation** Ecophysiological consequences of infrequent massive flowering of monocarpic bamboo grasses (*Chusquea* spp) in temperate and tropical South America **(Co-Principal Investigator)**

**2001-2002** **Fundación Antorchas of Argentina** Collaborative research between Argentina and Chile. **Principal Investigator** with Cecilia Peréz, University of Chile, Santiago

**1999-2004** **Inter-American Institute (IAI) for Global Change Research** The role of biodiversity and climate in the functioning of ecosystems: a comparative study of grasslands, savannas, and forests **(Co-Principal Investigator)**

**1997-1999** **Inter-American Institute (IAI) for Global Change Research Global Change** Effects of Biodiversity and Ecosystem Functioning: Manipulation of a Keystone Process. **(Co-Principal Investigator)**

**1997-1999** **National Science Foundation** Controls on biogeochemical processes along a contiguous precipitation gradient in the Patagonian region of Argentina. **International Research Fellow**

***Students and post-doctoral researchers***

**Postdoctoral**
Carla Giordano 2004-2006
Luis Pérez 2014-2016

**Doctoral**
Laura Yahdjian (co-director), Ph.D. (2004)
Lucía Vivanco, Ph.D. (2008)
Marina Gonzalez Polo, Ph.D (2010)
Patricia Araujo Ph.D. (2012)
Adelia González Arzac, Ph.D. (2015)
María Laura Martínez expected 2015
Soledad Méndez expected 2016
Paula Berenstecher expected 2018

**Magister Science**
Victoria Marchesini, MSc. (co-director) (2006)

Laura Hess, MSc. (2013)

**Honors Undergraduate Thesis**
Lucía Vivanco (2000)
Cecilia Li Puma (co-director) (2005)
Patricia Araujo (2006)
María Laura Martínez (2008)
Adelia González Arzac (2009)
Jaime Montoya (2011)
María Soledad Méndez (2012)
Paula Berenstecher (2013)
Daniela Gangi (2014)
Andrés Grasso (2014)

***Professional Service***

***Editorial Activities***

**2013-** **Senior Editor,** *Journal of Ecology*
**2009-** **Editor**, *New Phytologist*
**2004-** **Subject Matter Editor**, *Oecologia*
**2010-2012** **Subject Matter Editor,** *Journal of Ecology*
**2003-2011** **Subject Matter Editor,** *Ecosystems*
**2001-2008** **Editorial board of Advisors,** *New Phytologist*

**1995- Journal Referee**

*Acta Oecologia*
*American Naturalist*
*Applied Soil Ecology*
*Austral Ecology*
*Australian Journal of Ecology*
*Biogeochemistry*
*Ecological Applications*
*Ecología Austral*
*Ecology*
*Ecosystems*
*Forest Ecology and Management*
*Functional Ecology*
*Global Change Biology*
*Global Ecology and Biogeography*
*Journal of Arid Environments*
*Journal of Ecology*
*Journal of Tropical Ecology*
*Journal of Vegetation Science*
***Nature***
*New Phytologist*
*Oecologia*
*Plant Cell and Environment*
*Plant Ecology*
***Proceedings of the National Academy of Sciences***
*Revista Chilena de Historia Natural*
*Soil Biology and Biochemistry*

***Other Professional Service***

**1993** Stanford Department of Biological Sciences Graduate Admissions Committee
**1994** Stanford Biology Faculty Search Committee
**1994** **Organizing committee**, Biodiversity and ecosystem function: synthesis conference. SCOPE and UNEP, Global Biodiversity Assessment
**2005** **Steering Committee**, International Nitrogen Initiative, El Salvador, Brazil.
**2006/07** **Planning Committee,** American Geophysical Union, Spring Meeting
**2009** **Steering Committee,** Workshop on Long-Term Ecological Research in Northwest Patagonia, San Carlos de Bariloche, ARGENTINA
**2004 –** **Referee** for research proposals: National Science Foundation (USA) CONICET (Argentina), UBACyT (University of Buenos Aires), FONCyT (Argentina)
**2005-** Thesis Examiner, University of Buenos Aires, University of South Africa

***Invited Seminars***

- **Austin, A.T.** 2015 Fun in the sun: effects of photodegradation on carbon cycling in terrestrial ecosystems. University of Western Australia, Perth, Australia
- **Austin, A. T.** 2015. Mirando el sol: efectos de la fotodegradación sobre el reciclaje de carbono en ecosistemas terrestres. CONICET-IADIZA, Mendoza, Argentina
- **Austin, A. T. 2013** Tree litter, microbes and nitrogen: a triangular approach to understanding plant–soil interactions 32nd New Phytologist Symposium Plant Interactions with other organisms: molecules ecology and evolution. Buenos Aires, ARGENTINA
- **Austin, A. T.** 2009. Novel mechanisms controlling litter decomposition in terrestrial ecosystems: insights from Patagonia. Cary Institute of Ecosystem Studies, Millbrook, NY, USA
- **Austin, A. T.** 2009. Novel mechanisms controlling litter decomposition in Patagonia. Oregon State University, Corvallis, OR, USA.
- **Austin, A. T.** 2008. Rained out? Alternative controls on carbon cycling in arid and semiarid ecosystems. University of Arizona, Tucson, AZ, USA
- **Austin, A. T.** 2008. Controles del ciclado de C en ecosistemas semi-áridos: ¿hace agua lo que sabemos? Universidad de Buenos Aires, Facultad de Agronomía, IFEVA. Buenos Aires, ARGENTINA
- **Austin, A. T.** 2006. Sunshine, waterbugs and real estate: unique controls on litter decomposition in arid ecosystems. University Program in Ecology Seminar. Duke University, Durham, NC, USA.
- **Austin, A. T.** and L. Vivanco. 2006. Photodegradation and plant litter decomposition: just deserts? Hawaii Ecology Program Series. Hawaii Volcanoes National Park, Volcano, HI, USA
- **Austin, A. T.** 2006. Litter decomposition in arid and semiarid ecosystems: a visit to

Patagonia. NCEAS Analysis of long-term decomposition experiments: synthesis at the site, regional, and global levels. Santa Barbara, California, USA.

- **Austin, A.T.** 2006. Ecological consequences of the massive flowering of the understory bamboo (*Chusquea culeou*) in southern temperate forests of Patagonia, Argentina. Oregon State University Seminar Series, Buenos Aires, ARGENTINA.
- **Austin, A. T.**, G. Piñeiro and Marina González Polo. 2005. More is less: Human impact on the N cycle in Argentina. Inter-American Workshop, International Nitrogen Initiative, Brasilia, BRAZIL
- **Austin, A. T.** 2004. Controles del ciclo de carbono y nitrógeno en zonas áridas y semiáridas de la Patagonia. Simposio: Estudios biogeoquímicos en ecosistemas terrestres de Chile y Argentina: preguntas y proyecciones. II Reunión Binacional de Ecología, Chile y Argentina. Mendoza, Argentina.

***Scientific workshops***

**1996** **Participant**, International SCOPE project on Nitrogen Transport and Transformation: A Regional and Global Analysis, Termás de Chillan, CHILE

**2000** **Invited Speaker,** Workshop on Removal Experiments in Natural Ecosystems, Long-Term Ecological Research (LTER) All Scientists' meeting, Snow Bird, Utah, USA

**2001** **Participant**, Global Atmospheric Nitrogen Enrichement (GANE) workshop, Patterns of nitrogen deposition in natural ecosystems of the world, York, UNITED KINDGOM

**2002** **Invited Speaker**, National Science Foundation (NSF) Workshop on Resource Pulse Use in Arid Ecosystems. Tucson, Arizona, USA.

**2002** **Invited Speaker**, IGBP-LUCC Workshop on Terrestrial Transects: A Regional Integrative Approach for Global Change Research. Guangzhou, CHINA.

**2002** **Rapporteur**, SCOPE Element Interactions Rapid Assessment Project, Prague, CZECH REPUBLIC

**2003** **Rapporteur**, PiraCena VII Workshop, N fluxes and processes in tropical and temperate systems, Ubatuba, BRAZIL

**2003** **Invited Keynote Speaker**, Ghent University, Workshop on Risk assessment of agricultural intensification on N deposition on pristine forests and plantations in southern Chile, International Cooperation between Flanders and Chile, Ghent, BELGIUM

**2004** **Invited Speaker,** University of Puerto Rico, Workshop of the Inter-American Nitrogen Network, Puerto Rico, USA

**2005** **Invited Speaker,** University of Brasilia, Workshop of the Inter-American Nitrogen Network, Brasilia, BRAZIL

**2007** **Closing Panel**, International Nitrogen Initiative Open Science Meeting, El Salvador, BRAZIL

**2009** **Invited Speaker,** Workshop on Long-Term Ecological Research in Northwest Patagonia,

San Carlos de Bariloche, ARGENTINA

**2013 Co-Organizer** 32nd New Phytologist Symposium Plant Interactions with other organisms: molecules ecology and evolution. Buenos Aires, ARGENTINA

***Teaching Experience***

***All years***

**2004-** Ecology (Undergraduate)
**2005-** Global Change Ecology (Undergraduate)
**2001-** Principles of Biodiversity (Graduate), every two years
**2002-** Ecology of Arid Zones (Graduate), every two years
**2011-** Global Change in Terrestrial Ecosystems (Graduate), every two years

***Other classes***

**1987** Principles of Geology (Undergraduate), Physical Geography (Undergraduate)
**1992** General Botany (Undergraduate), Plant and Population Biology (Undergraduate)
**1993** Principles of Ecology (Undergraduate), Behavioral Ecology (Undergraduate)**,** Plant and Population Biology (Undergraduate)
**2000** Terrestrial Ecosystems (Graduate)

***Professional Societies***

**1992-** Ecological Society of America
**1996-** Ecological Society of Argentina
**1997-** American Association for the Advancement of Science (AAAS)
**1999-** American Institute of Biological Sciences (AIBS)
**2001-** American Geophysical Union (AGU)

***Languages*** Spanish
***Ph.D. Advisor*** Peter M. Vitousek