

CURRICULUM VITAE

Sandra Myrna DÍAZ

Personal details

Country of birth, citizenship and residence: Argentina

Professional address

Instituto Multidisciplinario de Biología Vegetal (IMBIV), Universidad Nacional de Córdoba, C. Correo 495, 5000 Córdoba, Argentina; phone: +54-351-4644990; fax: +54-351-4644990 or 4332104. E-mail: sdiazXcom.uncor.edu (replace X with @)

Education

Biologist -1984- Universidad Nacional de Córdoba, Argentina.

Doctor in Biology (*cum laude*) -1989- Universidad Nacional de Córdoba, Argentina. Main subject: plant community ecology

Main research interests

Terrestrial plant community and ecosystem ecology, functional biodiversity, plant functional traits, links between functional biodiversity, ecosystem processes and ecosystem services, global change ecology, comparative ecology of plant traits.

Awards

2007. Peace Nobel Prize, as a member of the Intergovernmental Panel on Climate Change.

2007. Taborda Award 2007 to Outstanding Achievement in Scientific Research of the Association for the Improvement of Education.

2005. Zayed International Prize for the Environment, as a member of the Millennium Ecosystem Assessment.

2002. Guggenheim Fellow, J. S. Guggenheim Foundation, USA.

1998. Award "Lorenzo Parodi" of the Argentine Society of Botany.

1995. Award "Ten Outstanding Young People" of the Trade Association of Córdoba.

Present positions

Associate Professor at the Department of Biological Diversity and Ecology, Universidad Nacional de Córdoba.

Permanent Research Fellow (Principal Senior Investigator) of Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET) at Instituto Multidisciplinario de Biología Vegetal (IMBIV), Universidad Nacional de Córdoba-CONICET.

Director of Núcleo Diversus on Biodiversity and Sustainability of Socio-ecological Systems.

Supervision of students and postdoctoral fellows and junior researchers

4 junior researchers, 9 postdoctoral fellows; PhD Theses supervised: 7 finished, 4 on-going.

Working experience in foreign universities

- 1991-1993, 1995, 1996, 1998, 2001. Unit of Comparative Plant Ecology, Sheffield University, UK.
- 1998. New Zealand Pastoral Agriculture Research Institute, New Zealand.
- 1999 Dept Agricultural Botany, Hebrew University of Jerusalem, Israel.
- 1999 University of Alaska at Fairbanks and Toolik Lake Field Research Station, USA.
- 2000, 2001 Centre d'Ecologie Fonctionnelle et Evolutive, CNRS, Montpellier, France.
- 2002-2003. Senior Research Fellow, Dept. Biological Sciences, Stanford University, USA.
- 2006. Invited Full Professor, Department de Biologie, Université Joseph Fourier, Grenoble, France.

Participation in international initiatives related to scientific production, communication, and management

- 1993-1995. Lead Author, Chapter on Grasslands and Rangelands, Second Assessment Report of IPCC-Working Group II.
- 1995. Co-Chair of the Group on Terrestrial Ecosystems of IPCC Working Group II.
- 1997-2002. Co-Leader of Task 2.2.1 (Responses of Vegetation to Land Use and Disturbance), Focus 2 of the Core Project on Global Change and Terrestrial Ecosystems (GCTE) of IGBP.
- 1998. Convening Lead Author of the Latin American Chapter of the IPCC Assessment of the Regional Impacts of Climate Change,
- 1998-2000 and 2004-2007. Review Editor of the Third and Fourth Assessment Reports of IPCC WG II (Ecosystems and their Services) and of the General Synthesis of WG II Fourth Report.
- 1999–2004. Co-Leader of the GCTE Core Network of Removal Experiments on the Role of Biodiversity in Ecosystem Functioning.
- 2002/2003. Co-Leader, together with L. Huenneke and F.S. Chapin, of the Working Group on the role of The Role of community-reduction experiments in assessing biodiversity effects on ecosystem processes. National Center of Ecological Analysis and Synthesis (NCEAS, University of California at Santa Barbara).
- From 2002. Member in the Roster of Experts of the Convention of Biological Diversity of the United Nations, Ad-Hoc Technical Group on Climate Change and Biodiversity.
- 2002-2005. Convening Lead Author (Biodiversity Regulation of Ecosystem Services) and in the Millennium Assessment, and lead author of its Biodiversity Synthesis Report to the CBD.
- Since 2002. Core member of BIOMERGE (Biotic Mechanisms of Ecosystem Regulation in the Global Environment), coordinated by S. Naeem, Columbia University, USA.
- Since 2005. Member of the National DIVERSITAS Committee of Argentina.
- 2005. Member of the NEON Science and Human Dimensions Committee, Biodiversity Subcommittee, AIBS–USA.
- Since 2005. Member of the Scientific Steering Committee of the Global Land Project of IGBP.
- Since 2006. Member of the Scientific Committee for Latin America and the Caribbean of the International Council of Scientific Unions.
- Since 2006. Co-Leader of the International Fast Track Initiative on Refining plant functional classifications for earth system modeling of IGBP-DIVERSITAS-QUEST.
- Since 2007. Core member of TraitNet, coordinated by Sahid Naeem (Columbia University, USA), and supported by the American National Science Foundation.
- Since 2007. Member of the Scientific Steering Committee of DIVERSITAS.
- Since 2007, Chair of DiverSus.

Consultancies and participation in evaluation committees (other than scientific journals).

- 2001. Senior consultant. Design of the Managing Master Plan of Condorito National Park, Córdoba, Argentina.
- 2001-2002. Senior consultant. Interactions between land use and climate change in Argentina. Environmental Protection Agency, USA.
- 2003, 2006 Member of the Panel of Expert Evaluators of the Challenge Program – Consultative Group on International Agricultural Research (CGIAR).
- 2004. Project evaluator for the Canadian Foundation for Climate and Atmospheric Sciences.
- 2005. Consultant in the participative evaluation of ecosystem services for small farmers and rural workers in NorthEastern Argentina, under the coordination of D. M: Cáceres, commissioned by RIMISP.
- 2005, 2007. Project Evaluator for the Program Santiago Ramón y Cajal y Juan de la Sierva, Spain.
- 2005, 2006, 2007. Project Evaluator for the Banco de Bilbao y Vizcaya (BBVA) Foundation, Spain.
- 2007. Project Evaluation for the European Commission FP7.

Publications

Total number of citations to the author's work in the literature compiled by the SCI until April 2006: 1423.

Total number of scientific articles published or in press: 84, of which:

In peer-review journals with impact factor according to SCI: 58

In peer-review journals with no impact factor according to SCI: 16

In journals with no peer review: 3

Other scientific articles (electronic publications, commentaries, etc.): 7

Total peer-reviewed chapters in international books: 17

Total books published: 1

Scientific dissemination and pedagogical articles: 10

Relevant publication since 1993 (chronological order)

Articles in scientific journals

(IF: SCI impact factor 2004; NC: number of citations to the article in the peer-reviewed literature until April to 2006, according to SCI, only those in which the number of citations is 15 or higher are listed)

DÍAZ, S., J. P. GRIME, J. HARRIS & E. McPHERSON. 1993. Evidence of a feedback mechanism limiting plant response to elevated carbon dioxide. *Nature* 364: 616-617. IF: 29.27; NC: 315

DÍAZ, S.; A. ACOSTA & M. CABIDO. 1994. Grazing and the phenology of flowering and fruiting in a montane grassland in Argentina: a niche approach. *Oikos* 70: 287-295. IF: 3.31; NC: 15

DÍAZ, S.; A. ACOSTA & M. CABIDO. 1994. Community structure in montane grasslands of central Argentina in relation to land use. *Journal of Vegetation Science* 5: 483-488. IF: 2.11; NC: 33

GARDNER, S. M., M. CABIDO, G. R. VALLADARES & S. DÍAZ. 1995. Habitat disturbance in semi-arid Chaco: impacts on arthropod diversity. *Journal of Vegetation Science* 6: 349-356. IF: 2.11 NC: 20

DÍAZ, S. 1995. Elevated- CO2 responsiveness, interactions at the community level, and plant functional types. *Journal of Biogeography* 22: 289-295. IF: 2.80; NC: 26

DÍAZ, S. 1996. The effects of elevated CO2 on root symbionts mediated by plants. *Plant and Soil* 187: 309-320. IF: 1.70; NC: 25

DÍAZ, S. & M. CABIDO. 1997. Plant functional types and ecosystem function in relation to global change. *Journal of Vegetation Science* 8: 463-474. IF: 2.11; NC: 115

DÍAZ, S., M. CABIDO & F. CASANOVES. 1998. Plant functional traits and environmental filters at the regional scale. *Journal of Vegetation Science* 9: 113-122. IF: 2.11; NC: 53

PUCHETA, E., M. CABIDO, S. DÍAZ & G. FUNES. 1998. The effects of grazing on floristic composition, biomass, and primary production of a mountain grassland in central Argentina. *Acta Oecologica* 19: 97-105. IF: 1.08; NC: 23

DIAZ, S., FRASER, L.H., GRIME, J.P. & FALCZUK, V. 1998. The impact of elevated CO2 on plant-herbivore interactions: experimental evidence of moderating effects at the community level. *Oecologia* 117: 177-186. IF: 3.03; NC: 38

DÍAZ, S., CABIDO, M. ZAK, M., MARTÍNEZ-CARRETERO, E. & ARANÍBAR, J. 1999. Plant functional traits, ecosystem structure, and land-use history along a climatic gradient in central-western Argentina. *Journal of Vegetation Science* 10: 651-660. IF: 2.11; NC: 39

McINTYRE, S., DIAZ, S., LAVOREL, S. & CRAMER, W. 1999. Plant functional types and disturbance dynamics. *Journal of Vegetation Science* (Suecia) 10: 603-606. IF: 2.11

CORNELISSEN, J.H.C., PÉREZ-HARGUINDEGUY, N., DÍAZ, S. et al. 1999. Leaf structure and defence control litter decomposition rate across species, life forms and continents. *New Phytologist* 143:191-200. IF: 4.28; NC: 52

FUNES, G., BASCONCELO, S., DIAZ, S. & CABIDO, M. 1999. Seed size and shape predict seed persistence in the soil bank in grasslands of central Argentina. *Seed Science Research* 9: 341-345. IF: 1.89; NC: 25

PÉREZ-HARGUINDEGUY, S., DÍAZ, S., CORNELISSEN, H., VENDRAMINI, F., CABIDO, M. & CASTELLANOS, A. (2000). Chemistry and toughness predict leaf litter decomposition rates over a wide spectrum of functional types and taxa in central Argentina. *Plant and Soil* 218 (1/2): 21-30. IF: 1.70; NC: 22

- CHAPIN, F. S. III, ZAVALA, E. S., EVINER, V. T., NAYLOR, R., VITOUSEK, P. R., REYNOLDS, H. L., HOOPER, D. U., LAVOREL, S., SALA, O. E., HOBBIE, S. E., MACK, M. C. & **DÍAZ, S.** (2000) Functional and societal consequences of changing biotic diversity. **Nature** 405: 234-242. **IF: 29.27; NC: 259**
- CORNELISSEN, J.H.C., PÉREZ-HARGUINDEGUY, N., GWYNN-JONES, D., **DÍAZ, S.** et al. 2000. Autumn leaf colours as indicators of decomposition rate in sycamore (*Acer pseudoplatanus* L.). **Plant & Soil** 225:33-38. **IF:1.70**
- FUNES, G., BASCONCELO, S., **DÍAZ, S.**, CABIDO, M. 2001. Edaphic patchiness influences grassland regeneration from soil seed bank in mountain grasslands of Argentina. **Austral Ecology** 26:205-212. **IF:1.77**
- DÍAZ, S.**, NOY-MEIR, I. & CABIDO, M. 2001. Can grazing response of herbaceous plants be predicted from simple vegetative traits? **Journal of Applied Ecology** 38: 487-508. **IF: 4.59; NC: 48**
- DÍAZ, S.** & CABIDO, M. 2001. Vive la différence: plant functional diversity matters to ecosystem functioning. **Trends in Ecology and Evolution** 16: 646-655. **IF: 14.86; NC: 88 - Special Mention of the Essential Science Indicators of Thompson's Web of Knowledge to the top 1% most cited articles in ecology since 2000.**
- VENDRAMINI, F., **DÍAZ, S.**, GURVICH, D.E., WILSON, P.J., THOMPSON, K. & HODGSON, J.G. 2002. Leaf traits as indicators of resource-use strategy in floras with succulent species. **New Phytologist** 154: 147-158. **IF: 4.28**
- DÍAZ, S.**, McINTYRE, S., LAVOREL, S. & PAUSAS, J. 2002. Does hairiness matter in Harare? - Global comparisons of plant trait responses to disturbance. **New Phytologist** 154: 7-9. **IF: 4.28**
- GURVICH, D.E., **DÍAZ, S.** FALCZUK, V., et al. 2002. Foliar resistance to simulated extreme climatic events in contrasting plant functional and chorological types. **Global Change Biology** 8: 1139-1145. **IF: 4.07**
- URCELAY, C. & **DÍAZ, S.** 2003. The mycorrhizal dependence of subordinates determines the effect of arbuscular mycorrhizal fungi on plant diversity. **Ecology Letters** 6: 388-391. **IF: 5.15**
- DÍAZ, S.**, SYMSTAD, A. J., CHAPIN, F. S. III, WARDLE, D. A. & HUENNEKE, L. F. 2003. Functional diversity revealed by removal experiments. **Trends in Ecology and Evolution** 18: 140-146. **IF: 12.94; NC: 31**
- FUNES, G., BASCONCELO, S., **DÍAZ, S.** AND CABIDO, M. Seed bank dynamics in tall-tussock grasslands along an altitudinal gradient. **Journal Vegetation Science** 14: 253-258. **IF: 2.11**
- URCELAY, C., BRET-HARTE, M.S., **DÍAZ, S.** & CHAPIN, F. S. III. 2003. Mycorrhizal colonization mediated by species interactions in Arctic tundra. **Oecologia** 137: 399-404. **IF: 3.03**
- CORNELISSEN, J.H.C., LAVOREL, S., GARNIER, E., **DÍAZ, S.** et al. 2003. Handbook of protocols for standardised and easy measurements of plant functional traits worldwide. **Australian Journal of Botany** 51: 335-380. **IF: 1.21; NC: 21**
- PÉREZ-HARGUINDEGUY, N., **DÍAZ, S.**, VENDRAMINI, F., et al. 2003. Leaf traits and herbivore selection in the field and in cafeteria experiments. **Austral Ecology** 28: 642-650. **IF: 1.77**
- DÍAZ, S.**, HODGSON, J.G., THOMPSON, K., CABIDO, M., et al. 2004. The plant traits that drive ecosystems: Evidence from three continents. **Journal of Vegetation Science** 15: 295-304. **IF: 2.11; NC: 34**
- CINGOLANI, A., NOY-MEIR, I. & **DÍAZ, S.** 2005. Grazing effects on rangeland diversity: a synthesis of contemporary models. **Ecological Applications** 15: 757-773. **IF: 3.80.**
- HODGSON, J. G., MONTSERRAT-MARTÍ, G., TALLOWIN, J., THOMPSON, K., **DÍAZ, S.** et al. 2005. How much will it cost to save grassland diversity? **Biological Conservation** 122: 263-273. **IF: 2.58**
- VILE, D., GARNIER, E., SHIPLEY, B., LAURENT, G., NAVAS, M.-L., ROUMET, C., LAVOREL, S., **DÍAZ, S.**, et al. 2004. Specific leaf area and dry matter content estimate thickness in laminar leaves. **Annals of Botany** 96: 1129-1136. **IF: 2.66**
- ROUMET, C., URCELAY, C. & **DÍAZ, S.** 2006. Suites of root traits differ between annual and perennial species growing in the field. **New Phytologist** 170: 357-368. **IF: 4.28**
- GURVICH D.E., TECCO P.A. & **DÍAZ, S.** 2005. Plant invasion in undisturbed ecosystems: the triggering attributes approach. **Journal of Vegetation Science** 16: 723-728. **IF: 2.11**
- TECCO, P. A., GURVICH, D. E., **DÍAZ, S.**, PÉREZ-HARGUINDEGUY, N. & CABIDO, M. 2006. Positive interaction between invasive plants: the influence of *Pyracantha angustifolia* on the recruitment of native and exotic woody species. **Austral Ecology** 31:293-300. **IF: 1.77**

CORNELISSEN, J.H.C., QUESTED, H.M., VAN LOGTESTIJN, R.S.P., PÉREZ-HARGUINDEGUY, N., GWYN-JONES, D., **DÍAZ, S.** et al. 2006. Foliar pH as a new plant trait: can it explain variation in foliar chemistry and carbon cycling processes among subarctic plant species and types? **Oecologia** 147: 315-326. **IF: 3.03**

DÍAZ, S., FARGIONE, J., CHAPIN, FS III & TILMAN, D. 1006. Biodiversity loss threatens human well-being. **PLoS-Biology** 4: 1300-1305. **IF: 14.67**

DÍAZ, S., LAVOREL, S., MCINTYRE, S., FALCZUK, V., CASANOVES, F., MILCHUNAS, D.G., SKARPE, C., RUSCH, G., STERNBERG, M, NOY-MEIR, I., LANDSBERG, J. ZHANG, W., CLARK, L. & CAMPBELL, B.D. 2007. Plant responses to grazing: A global synthesis. **Global Change Biology** 13, 313–341. **IF: 4.07**

DÍAZ, S. 2006. Biodiversity and ecosystem services. In: Encyclopedia of Earth. Eds. Cutler J. Cleveland Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment. http://www.eoearth.org/article/Biodiversity_and_ecosystem_services

TECCO, P. A., **DÍAZ, S.**, GURVICH, D. E., PÉREZ-HARGUINDEGUY, N. CABIDO, M. & BERTONE, G. A. 2006. Experimental evidence of positive association between exotic woody species: The nurse-plant effect of *Pyracantha angustifolia* on *Ligustrum lucidum*. **Applied Vegetation Science** 10: 211-218. **IF: 1.57**

CINGOLANI, A. M., CABIDO, M., GURVICH, D. E., RENISON, D. & **DÍAZ, S.** 2007. Filtering processes in the assembly of plant communities: are species presence and abundance driven by the same traits? **Journal of Vegetation Science** 19: 911-920. **IF: 2.11**

VAIARETTI, M. V., **DÍAZ, S.**, VILE D., GARNIER, E. 2007. Two measurement methods of leaf dry matter content produce similar results in a broad range of species. **Annals of Botany** 99: 955–958. **IF: 2.66**

NATALIA PÉREZ-HARGUINDEGUY N, **DÍAZ S.**, VENDRAMINI F, GURVICH DE, CINGOLANI AM, GIORGIS MA, CABIDO M. 2007. Direct and indirect effects of climate on decomposition in native ecosystems from central Argentina. **Austral Ecology** 32: 749–757. **IF: 1.77**

SUDING CN, LAVOREL S, CAHPIN FS III, CORNELISSEN JHC, **DÍAZ S.**, GARNIER E, GOLDBERG D, HOOPER DU, JACKSON ST & NAVAS ML. (2007). Scaling environmental change through the community level: A trait-based response and effect framework for plants. **Global Change Biology**, in press. **IF: 4.07**

DÍAZ S., LAVOREL S, DE BELLO F, QUÉTIER F, GRIGULIS K, ROBSON TM. (2007) Incorporating plant functional diversity effects in ecosystem service assessments. **Proceeding of the Natural Academy of Sciences USA** 104: 20684-20689. **IF: 10.23**

Chapters in international peer-reviewed books

ALLEN-DÍAZ, B., CHAPIN F. S. III, **S. DÍAZ**, et al. 1996. Rangelands in a changing climate: impacts, adaptations, and mitigation. In: IPCC 1995 - Second Assessment Report of the of the Working Group II of Intergovernmental Panel on Climatic Change (Eds. R.T. Watson, M.C. Zinyowera, R.H. Moss & D.J. Dokken), Cambridge University Press, Cambridge and New York, pp. 131-158; total pag. 872; ISBN 0-521-56437-9.

GRIME, J. P., J. G. H. HODGSON, R. HUNT, K. THOMPSON, G. HENDRY, B. D. CAMPBELL, A. JALILI, S. H. HILLIER, **S. DÍAZ** & M. J. W. BURKE. 1997. Functional types: Testing the concept in Northern England. In: Plant Functional Types (Eds T. Smith, H.H. Shugart & F.I. Woodward), pp. 123-151. ISBN 0-521-56643-6. Cambridge University Press, Cambridge.

CANZIANI, O. & **S. DÍAZ**. 1997. Impacts of climate change and variability in Latin America. In: IPCC, Regional Impacts of Climate Change - Special Report of IPCC Working Group II. Cambridge University Press, Cambridge, pp 187-230; ISBN 0-521-63455-5.

DÍAZ, S., M. CABIDO & F. CASANOVES.1999. Functional implications of trait-environment linkages in plant communities. In: E. Weiher & P.A. Keddy (eds.), Ecological Assembly Rules: Perspectives, Advances, Retreats. Cambridge University Press, Cambridge, pp. 338-362; ISBN 0-521-65235-9

DÍAZ, S. PEREZ-HARGUINDEGUY, N., VENDRAMINI, F., BASCONCELO, et al. 1999. Plant traits as links between ecosystem structure and functioning. In: Eldridge, D. & Freudenberger, D. (eds), People and rangelands: building the future, pp 896-901; ISBN 0-9577394-1-9.

DÍAZ, S. 2001. Ecosystem function measurement, terrestrial communities. In: Levin, S. (ed.) Encyclopedia of Biodiversity. Academic Press, San Diego, vol. 2, pp. 321-343; vol. 2. ISBN 0-12-226867-9.

DIÁZ, S., BRISKE, D.D. & MCINTYRE, S. 2002. Range Management and Plant Functional Types. In: Global Rangelands: Progress and Prospects. Grice, A. C. & Hodgkinson, K. C.. CABI, Wallingford, UK, pp. 81-100; ISBN: 0851995233.

HOOPER, D., BUCHMANN, N., DEGRANGE, V., **DIÁZ, S.** et al. 2002. Species diversity, functional diversity and ecosystem functioning. In: Loreau, M., Naeem, S. & Inchausti, P. (eds) Biodiversity and ecosystem functioning: synthesis and perspectives, pp. 195-208; ISBN: 0198515715. Oxford Univ. Press.

DIÁZ, S. 2002. Does biodiversity matter to terrestrial ecosystem processes and services? In: Steffen, W., Jaeger, J., Carson, D. & Bradshaw, C. (eds) Challenges of a changing Earth, pp. 165-167; ISBN: 3540433082. Global change: the IGBP Series. Springer-Verlag, Heidelberg.

DIAS, B. **DIÁZ, S.**, MCGLONE, M. ET AL. 2003. Biodiversity: linkages to climate change. In: Watson, R. and Berghal, O. Interlinkages Between Biological Diversity and Climate Change -Advice on the Integration of Biodiversity Considerations into the Implementation of the United Nations Framework Convention on Climate Change and its Kyoto Protocol, pp. 19-29. Convention on Biological Diversity, Montreal.

DIÁZ, S., TILMAN, D & FARGIONE, J. (2005). Biodiversity regulation of ecosystem services. In: Hassan R, Scholes R, Ash N, editors. Ecosystems and human well-being - Current state and trends - Millennium Ecosystem Assessment; pp. 297-329. ISBN 1-55963-228-3. Island Press, Washington, DC.

DIÁZ, S., LAVOREL, S. CHAPIN, F.S. III, TECCO, P.A., GURVICH, D.E. & GRIGULIS, K. (2006). Functional biodiversity – At the crossroads between responses to the environment and ecosystem functioning. In: Terrestrial Ecosystems in a Changing World (eds Canadell J, Pitelka LF, Pataki D), pp. 81-91. Springer-Verlag, Berlin Heidelberg.

LAVOREL, S., **DIÁZ, S.** CORNELISSEN, H. GARNIER, ET AL. 2006. Plant functional types: are we getting any closer to the Holy Grail? In: Terrestrial Ecosystems in a Changing World (eds Canadell J, Pitelka LF, Pataki D), Springer-Verlag, pp. 149-160. Springer-Verlag, Berlin Heidelberg.

NAEEM, S., COLWELL, R., **DIÁZ, S.**, HUGHES, J., JOUSEAU, C. ET AL. 2006. Predicting the ecosystem consequences of biodiversity loss at the landscape level. In: Terrestrial Ecosystems in a Changing World (eds Canadell J, Pitelka LF, Pataki D), pp. 113-126. Springer-Verlag, Berlin Heidelberg.

Grants and fellowships (leader of grant unless otherwise stated)

2006-2011. Grant from the Inter American Institute for Global Change (IAI) to the Collaborative Research Network on Functional Biodiversity, ecosystem services and sustainability in the Americas (DiverSus – CRN II 2015).

2006/2008. Grant from the European Union as member of the RUBICODE Consortium.

2006-2008. Grant from the Argentine National Agency for Scientific Promotion to study the links between plant functional biodiversity and ecosystem services.

2002-2004. Grant from the Argentine National Agency for Scientific Promotion to study plant biodiversity and ecosystem processes at different scales in Córdoba's native vegetation.

2002-2003. Grant from the National Center of Ecological Analysis and Synthesis (NCEAS, University of California at Santa Barbara) for the working group on the role of community-reduction experiments in assessing biodiversity effects on ecosystem processes (with L. Huenneke and F.S. Chapin).

2001-2003. Grant from the Program of Scientific Cooperation between Argentina and France (ECOSUD) for comparative studies of the effects of land use on functional biodiversity and ecosystem processes (shared with S. Lavorel, National Center for Scientific Research, France).

2001-2003. Grant from Córdoba Province Scientific Agency: vegetation mapping of Córdoba Province on the basis of remotely-sensed and field information (shared with M. Cabido, IMBIV).

1999-2001. Grant from the Argentine National Agency for Scientific Promotion to study plant functional groups and vegetation responses to global change.

1999-2001. Grant from the Darwin Initiative for the Conservation of Rare Species (DETR, United Kingdom) to study the conservation of the rare flora of Central Argentina. Shared with M. Cabido (IMBIV, Argentina), J.P. Grime and J.G. Hodgson (University of Sheffield, UK).

1999. Grant from the Hebrew University of Jerusalem to work at its Department Agricultural Botany.

1998-2001. Grant from IAI to study the effect of species and functional diversity on ecosystem function: a comparison between arctic tundra and a temperate grassland/shrubland system. Shared with M. Cabido (IMBIV), F.S. Chapin (USA), and E. Cuevas (Venezuela).

1999-2001. Start-up grant from Fundación Antorchas to study the links between key functional traits, function diversity and ecosystem process in central-western Argentina.

1998. Grant from the New Zealand Ministry of Education to work in the Pastoral Agriculture Research Institute.
1997. Grant from CONICET to study functional traits on native vascular plant species from central Argentina.
1996-1998. Grant from IAI to perform comparative studies in North and South America along an aridity gradient: Shared with A. Castellanos (México) and M. Cabido (IMBIV).
1995-1998. Grants from the European Union and the British Council to study plant functional groups and vegetation responses to climate change: a comparison between taxonomically distinct floras. Shared with J.P. Grime (UK) and M. Cabido (IMBIV).
1995-1997. Grant from the Córdoba Research Council to study plant-ungulate interactions in Córdoba natural high-altitude grasslands. Shared with M. Cabido (IMBIV).
1994-1995. Grant from the National University of Córdoba to study the impacts of climate change on biogeographical patterns in central Argentina. Shared with M. Cabido (IMBIV).
1993-1995. Grant from the Córdoba Research Council to study post-disturbance vegetation processes in Córdoba high-altitude grasslands. Shared with M. Cabido (IMBIV).
1994-1995. Grant from Fundación Antorchas, Argentina to study plant functional types and vegetation response to climate change in central Argentina. Shared with M. Cabido (IMBIV).

Organization of international events

Co-organizer of 5 International Workshops on Plant Functional Types, Functional Biodiversity, and Global Change (GCTE-IGBP) (Montpellier 1998, Brisbane 1999, Snowbird 2000 in association with LTER, Valencia 2001, Las Cruces 2001 with LTER support).

Co-organizer of 3 Symposia at international meetings (IAVS, Uppsala 1998; IRC, Townsville 1999; ESA, Savannah, 2003).

Co-leader and organizers of the workshops of the Working Group on Community Reduction Experiments in Assessing the Role of Biodiversity in Ecosystem Functioning, National Center of Ecological Analysis and Synthesis (NCEAS, University of California at Santa Barbara, 2002-2004).

Organizer of the DiverSus – IAI CRN 2015 International Workshop (La Cumbre, Argentina, 8-10 March 2007).

Editorial activity

Since 2003 - Editor in Chief Journal of Vegetation Science (together with J.B. Wilson, P. White, A. Chiarucci)

Since 2000 - Forum Editor and Associate Editor Journal of Vegetation Science

1998-2006 - Associate Editor Austral Ecology (ex Australian Journal of Ecology).

Invited lectures and presentations

Invited lectures at Universities and research institutes and keynote oral presentations at international meetings in Sheffield (UK) Napoli and Molise (Italy), Harvard, San Diego, St. Louis, Stanford (USA), Potsdam, Giessen and Jena (Germany), Utrecht and Amsterdam (The Netherlands), Palmerston North and Dunedin (New Zealand), Barcelona, Toledo, Madrid (Spain), Rehovot (Israel), Montpellier, Paris, Isle Sur le Sorgue, Grenoble (France), Uppsala (Sweden), Ottawa (Canada), Townsville, Brisbane and Sydney (Australia), Nagano (Japan).

Volunteered presentations at sessions of scientific meetings

Total national: 30; Total international: 60