

## CV

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Research Analyst  
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#### ACADEMIC PREPARATION:

**2003**      **Master of Science, Natural Resources**, University of Buenos Aires, Argentina.  
Thesis: *Soil compaction effect on the structure of the Chilotrichum diffusum scrub in Tierra del Fuego.*

**1981**      **Bachelor of Science, Agronomy**, University of Rosario, Argentina.

#### RESEARCH EXPERIENCE:

**2013 to present**      Research Associate at South Florida Ecosystem Lab (SOFTTEL) and Research Analyst at Southeast Environmental Research Center (SERC), Florida International University (FIU), Miami, USA. Tree growth and survival in Everglades tree islands.

**2004 to 2013**      Research Associate at South Florida Ecosystem Lab (SOFTTEL), Southeast Environmental Research Center (SERC), Florida International University (FIU), Miami, USA. Tree growth and survival in Everglades tree islands.

**1998-2002**      Research Scientist (second level out of fifth), National Council for Scientific and Technical Research (CONICET), Buenos Aires, Argentina. Sheep grazing effects on Magellan steppe grasslands and scrublands in Tierra del Fuego.

**1992-1998**      Research Scientist (first level out of fifth), CONICET, Buenos Aires, Argentina. Sheep grazing effects on Magellan steppe grasslands and scrublands in Tierra del Fuego. Plant productivity studies in Pampa grasslands, Buenos Aires Province.

**1989-1992**      C.O.N.I.C.E.T. Scholarship, Instituto de Investigaciones Fisiologicas y Ecologicas vinculadas a la Agricultura (IFEVA), Buenos Aires, Argentina. Floristic description of *Spartina argentinensis* grasslands in the Chaco region and its relationship with environment.

**1987-1989** C.O.N.I.C.E.T. Scholarship, Catedra de Ecologia, Facultad de Ciencias Agrarias, Universidad Nacional de Rosario (UNR), Rosario, Argentina. Floristic description of *Spartina argentinensis* grasslands in the Chaco region and its relationship with environment.

**1986** Research Assistant. Assisted Prof. Laszlo Orloci at: Department of Plant Sciences, University of Western Ontario, London, Ontario, Canada. Analysis of vegetation data using multivariate techniques.

**1983-1985** C.O.N.I.C.E.T. Scholarship, Catedra de Ecologia, Facultad de Ciencias Agrarias, UNR, Rosario, Argentina. Vegetation survey in the Chaco region. Floristic community descriptions and analysis of vegetation- environment relationships.

### **RESEARCH SKILLS:**

- Study of plant community structure and function
- Analysis of underlying vegetation-environment relationships at various spatial and temporal scales by using multivariate statistical techniques and Geographical Information Systems (GIS).
- Extensive fieldwork experience.

### **LANGUAGES:**

- Fluent in Spanish and English
- Conversational French and Italian.

### **TEACHING EXPERIENCE:**

**1990-1992** Teaching Assistant, Facultad de Ciencias Agrarias, UNR, Rosario, Argentina. Course: Plant Ecology (one semester)

**1979-1990** Teaching Assistant. Facultad de Ciencias Agrarias, UNR, Rosario, Argentina. Course: Plant Ecology (one semester)

### **PUBLICATIONS:**

Research Papers (Peer-reviewed Journals):

1. Sullivan P.L., Price R.M., Ross M.S., Scinto L.J., Stoffella S.L., Cline E.A., Dreschel T.W. & Sklar F.H. 2011. Hydrologic processes of tree islands in the Everglades: tracking the effects of tree establishment and growth. *Hydrogeology Journal* 19 (2): 367-378.
2. Stoffella S.L., Ross M.S., Sah J.P., Price R.M., Sullivan P.L., Cline E.A. & Scinto L.J. 2010. Survival and growth responses of eight Everglades tree species along an

- experimental hydrological gradient on two tree island types. *Applied Vegetation Science* 13: 439-449.
3. Collates M.B., Anchorena J.A., Stoffella S.L., Escartin C. & Rauber R. 2009. Wetlands of the Magallanic Steppe (Tierra del Fuego, Argentina). *Folia Geobotanica* 44 (3): 227-245.
  4. Collantes M.B., Anchorena J., Cingolani A., Posse G. y S. Stoffella. 2002. *Ecología alimentaria de la oveja en Tierra del Fuego*. Pp. 181-184. En: Cid M.S., Bonino N., Cassini M., Anchorena J., Pelliza de Sbriller A. & M. Arriaga (eds.) *Selección de dieta por grandes herbívoros mamíferos: Procesos y Escalas*. Contribuciones del Museo Argentino de Ciencias Naturales N° 1. ISSN 1666-5503 ISBN 987-96408-3-7.
  5. Cingolani A., Anchorena J., Stoffella S. y Collantes M. 2002. *A landscape-scale model for optimal management of sheep grazing in the Magellanic steppe*. *Applied Vegetation Science* 5: 159-166.
  6. Lewis J.P., Stoffella S.L. & Feldman S.R. 2001. *Monk's tonsure-like gaps in the tussock grass *Spartina argentinensis* (Graminae)*. *Revista de Biología Tropical* 49 (1): 313-316.
  7. Anchorena J., Cingolani A., Livraghi E., Collantes M. & Stoffella S. 2001. *Manejo del pastoreo de ovejas en Tierra del Fuego*. EDIPUBLI S.A., Buenos Aires, ISBN 987-99049-2-3.
  8. Collantes M.B., Stoffella S.L., Ginzo D. y Kade M. 1998. *Productividad y composición botánica divergente de dos variantes de un pastizal natural de la Pampa Deprimida fertilizado con N y P*. *Revista de la Facultad de Agronomía de La Plata* 103 (1): 45-59.
  9. Stoffella S.L., Posse G. y Collantes M. 1998. *Variabilidad fenotípica y genotípica de poblaciones de *Lotus tenuis* que habitan suelos con distintos pH*. *Ecología Austral* 8: 57-63.
  10. Stofella S.L. 1995. *La heterogeneidad florística del pajonal de *Spartina argentinensis* (Poaceae) en los Bajos Submeridionales, Provincia de Santa Fe (Argentina)*. *Boletín de la Sociedad Argentina de Botánica* 31 (1-2): 95-101.
  11. Lewis J.P., Franceschi E.A. & Stofella S.L. 1991. *Effect of ant-hills on floristic richness of plant communities of a large depression in the Great Chaco, Argentina*. *Revista de Biología Tropical* 39 (1): 31-39.
  12. Lewis J.P., Stofella S.L., Prado D.E., Pire E.F., Franceschi E.A., y Carnevale N.J. 1990. *Dynamics and development of floristic richness in the vegetation of a large depressed area of the Great Chaco*. *Flora* 184: 63-77.
  13. Lewis J.P., Pire E.F., Prado D.E., Stofella S.L., Franceschi E.A. & Carnevale N.J. 1990. *Plant communities and phytogeographical position of a large depression in the Great Chaco, Argentina*. *Vegetatio* 86: 25-38.
  14. D'angelo C.H., Prado D.E., Stofella S.L. y Lewis J.P. (1987). *The subchaquenian vegetation of the province of Santa Fe (Argentina)*. *Phytocoenologia* 15 (3):329-352.
  15. Orlóci L. & Stofella S.L. 1986. *A taxon-free numerical approach to the study of plant communities*. *Annals of Arid Zones* 25:111-132.
  16. Lewis J.P., Collantes M.B., Pire E.F., Carnevale N.J., Boccanelli S.I., Stofella S.L. y Prado D.E. (1985). *Floristic groups and plant communities of southeastern Santa Fe (Argentina)*. *Vegetatio* 60:67-90.
  17. Lewis J.P., Stofella S.L., Prado D.E., Carnevale N.J., Pire E.F. & Boccanelli S.I. 1985. *Pajonales y comunidades misceláneas del sureste de Santa Fe (Argentina)*. *Studia Oecologica* VI: 91-103.

18. Lewis J.P., Boccanelli S.I., Carnevale N.J., Pire E.F., Stofella S.L. & Prado D.E. (1985). *Las comunidades higrófilas del sureste de Santa Fe (Argentina)*. *Studia Oecologica* VI: 75-90.
19. Lewis J.P., Carnevale N.J., Pire E.F., Boccanelli S.I., Stofella S.L. & Prado D.E. 1985. *Las comunidades halófilas del sureste de Santa Fe (Argentina)*. *Studia Oecologica* VI: 57-73.
20. Lewis J.P., Boccanelli S.I., Carnevale N.J., Pire E.F., Stofella S.L., y Prado D.E. 1984. *Los pastizales de Stipa y comunidades afines del sureste de Santa Fe (Argentina)*. *Studia Oecologica* V: 55-76.

Technical Reports (Last nine years):

1. Sah J.P., Ross M.S. & Stoffella S.L. 2010. Developing a Data-driven Classification of South Florida Plant Communities. Final Report submitted to National Park Service: South Florida Caribbean Network (NPS/SFCN): Cooperative Agreement # H5000 06 0104. April 2010. 114 pp.
2. Sah J.P., Ross M.S. Snyder J.R., Ruiz P.L., Stoffella S.L., Colbert N., Hanan E., Lopez L., & Camp M. 2010. Cape Sable seaside sparrow habitat – Vegetation Monitoring. FY 2009 Final Report submitted to U. S. Army Corps of Engineers, Jacksonville, FL. (Cooperative Agreement t # W912EP-09-C-0024). Jan. 2010. 50 pp.
3. Stoffella, S.L., Ross M.S., Sah J.P., Ruiz P.L., Lopez L., Colbert N., Dodge C., Heinrich J. & Trujillo D. 2009. Estimating Biomass Production of Tree Species Growing along Hydrologic Gradient on LILA Tree Islands. Report submitted to South Florida Water Management District, West Palm Beach, FL. (PO # 4500031465). Aug 2009. 12 pp.
4. Hanan E., Ross M.S., Sah J.P., Ruiz P.L., Stoffella S.L., et al. 2009. Woody Plant Invasion into the Freshwater Marl Prairie Habitat of the Cape Sable seaside sparrow. A final report submitted to US Fish and Wildlife Services. (Grant Agreement # 401815G163), Feb 19, 2009. 61 pp.
5. Sah J.P., Ross M.S., Snyder J.R., Ruiz P.L., Stoffella S.L., et al. 2009. Cape Sable seaside sparrow habitat – Vegetation Monitoring. FY 2008 Final Report submitted to U. S. Army Corps of Engineers, Jacksonville, FL. (Cooperative Agreement t # W912EP-08-C-0018). Jan. 2009. 48 pp.
6. Sah J.P., Ross M.S., Snyder J.R., Ruiz P.L., Stoffella S.L., et al. 2008. Effect of Hydrologic Restoration on the Habitat of the Cape Sable seaside sparrow. 2006-2007. Year-5 Final Report submitted to U. S. Army Corps of Engineers, Jacksonville, FL. May 2008. 43 pp.
7. Kline M., Ross M.S., Ruiz P.L., Shamblin B., Sah J.P., Hanan E. & Stoffella S.L. 2007. Marl Prairie/Slough Gradients; patterns and trends in Shark Slough and adjacent marl prairies. CERP monitoring activity 3.1.3.5. Third Annual Report. Dec 31, 2007. 26 pp.
8. Ruiz P.L., Kline M., Sah J.P., Jones D.T., Hanan E., Stoffella S.L. & Ross M.S., 2006. Marl Prairie/Slough Gradients; patterns and trends in Shark Slough and adjacent marl prairies. CERP monitoring activity 3.1.3.5. Second Annual Report. Dec 31, 2006. 23 pp.
9. Ross M.S., Ruiz P.L., Sah J.P., Stoffella S.L., Timilsina N. & Hanan E. 2006. Marl Prairie/Slough Gradients; patterns and trends in Shark Slough and adjacent marl prairies. CERP monitoring activity 3.1.3.5. First Annual (2005) Report, Jan 16, 2006. 25 pp.

10. Ross M.S., Oberbauer S., Ruiz P.L., Timilsina N., Gomez D., Sah J.P., Stoffella S.L. & Sternberg L. 2005. Tree Islands in Everglades Landscapes: Current Status, Historical Changes, and Hydrologic Impacts on Population Dynamics and Moisture Relations. First Annual Report. SERC, Florida International University, Miami, FL. December 30, 2005. 22 pp.

### ABSTRACTS AND PRESENTATIONS (Last eight years)

1. Ross M.S., Stoffella S.L., Sah J.P., Sullivan P., Ruiz P.L., Subedi S., Scinto L. and Price R. 2012. Integrating experimental approaches into tree island restoration in the Everglades. 97th Ecological Society of America Annual Meeting. Abstracts. (<http://eco.confex.com/eco/2012/webprogram/Paper39147.html>).
2. Stoffella S.L., Ross M.S., Sah J.P., Ruiz P.L. and Cline E. 2012. Hydrology, substrate type and density effects on species growth and survival in Everglades tree islands. 9th INTECOL International Wetland Conference. Abstracts pp. 451. (<http://conference.ifas.ufl.edu/intecol/Abstracts.pdf>).
3. Stoffella S.L. Ross M.S., Sah J.P. & Ruiz P.L. 2011. Hydrology, substrate type and density effects on species growth and survival in Everglades tree islands. 54th Symposium of International Association for Vegetation Science (IAVS) Abstracts. pp. 183. (<http://www.iavs.org/uploads/abstracts2011.pdf>)
4. Sah J.P., Ross M.S., Snyder J.R., Ruiz P.L. & Stoffella S.L. 2010. Changing Cape Sable seaside sparrow habitat conditions in marl prairie landscape and their implications for Everglades restoration. GEER 2010 Conference – Program and Abstracts. pp. 264. (<http://conference.ifas.ufl.edu/GEER2010/pdf/Abstract%20BOOK.pdf>)
5. Sah J.P., Lopez L.N., Ross M.S., Richards J., Ruiz P.L., Stoffella S.L., Colbert N., Heinrich J. & Shamblin B. 2010. Understory vegetation composition and biomass on the tree islands in the Loxahatchee impoundment landscape assessment (LILA) experimental site. GEER 2010 Conference – Program and Abstracts. pp. 265. (<http://conference.ifas.ufl.edu/GEER2010/pdf/Abstract%20BOOK.pdf>)
6. Sah J.P., Ross M.S., Stoffella S.L. & Atkinson A. 2008. Developing a data-driven classification of South Florida plant communities. GEER 2008 Conference – Programs and Abstracts. pp. 373. ([http://conference.ifas.ufl.edu/geer2008/pdf/Abstract\\_BOOK.pdf](http://conference.ifas.ufl.edu/geer2008/pdf/Abstract_BOOK.pdf)).
7. Stoffella S.L., Ross M.S., Sah J.P., Shamblin B., Kline M., Espinar J. & Hanan E. 2008. Tree growth, survival and biomass in LILA tree islands. GEER 2008 Conference – Programs and Abstracts. pp. 422. ([http://conference.ifas.ufl.edu/geer2008/pdf/Abstract\\_BOOK.pdf](http://conference.ifas.ufl.edu/geer2008/pdf/Abstract_BOOK.pdf))
8. Stoffella S.L., Sah J.P., Ross M.S., Snyder J. & Koptur S. 2006. The effects of prescribed fire on understory plant assemblages in Florida Keys pine forests. Pine Rockland Conference 2006: Bridging the gap between Florida and the Bahamas.

### PROFESIONAL AFFILIATIONS:

- Member of International Association for Vegetation Science
- Member of The Nature Conservancy
- Member of Sociedad Argentina de Ecologia.
- Member of Sociedad Argentina de Botanica.

**RESEARCH GRANTS:**

- Co-authored proposal for Programa de Modernización Tecnológica-Subprograma Innovación Tecnológica SECYT/CONICET, préstamo BID 802/OC-AR, PID N° 403, 1996. Funded \$ 72,000. (Principal Investigator: Rodolfo Mendoza, M.S.).
- Co-authored proposal for Agencia Nacional de Promoción Científica y Tecnológica. PICT N° 08-03458, préstamo BID 1201/OC-AR, 1998. Funded \$ 94,000. (Principal Investigator: Marta Collantes, M.S.).
- Co-authored proposal for Consejo Nacional de Investigaciones Científicas y Técnicas. PIP N° 265, 1998. Funded \$ 18,000. (Principal Investigator: Marta Collantes, M.S.).

Note: All support documents are available upon request.