

Curriculum vitae

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EDUCATION

Doctor of Philosophy in Ecology and Evolutionary Biology, New Mexico State University, Department of Biology, Las Cruces, New Mexico (2002–2005).

Advisor: Prof. William J. Boecklen

Minor: Statistics

Master of Science in Wildlife Ecology, University of Arizona, Department of Wildlife and Fisheries Sciences, Tucson, Arizona (2000–2001).

Advisor: Prof. R. William Mannan

Bachelor of Arts in Biology, Oberlin College, Oberlin, Ohio (1986–1990).

PROFESSIONAL APPOINTMENTS

Postdoctoral Scholar, University of California, San Diego, Division of Biological Sciences, La Jolla, California. Sponsor: Prof. Walter Jetz (2007–present)

Avian Ecologist/Research Analyst, University of Missouri-Columbia, Department of Fisheries and Wildlife Sciences, Columbia, Missouri (2005–2007).

Teaching Assistant, New Mexico State University, Department of Biology, Las Cruces, New Mexico (2003–2005).

PUBLICATIONS

Peer-reviewed:

La Sorte, F.A., Lee, T.M., Wilman, H., and Jetz, W. Disparities between observed and predicted impacts of climate change on winter bird assemblages. *Proceedings of the Royal Society B: Biological Sciences*, in press.

Ricotta, C., **La Sorte, F.A.**, Pyšek, P., Rapson, G.L., Celesti-Grapow, L., and Thompson, K. Phyloecology of urban alien floras. *Journal of Ecology*, in press.

La Sorte, F.A., and Pyšek, P. Extra-regional residence time as a correlate of plant invasiveness: European archaeophytes in North America. *Ecology*, in press.

La Sorte, F.A., McKinney, M.L., Pyšek, P., Klotz, S., Rapson, G.L., Celesti-Grapow, L., and Thompson, K. (2008). Distance decay of similarity among European urban floras: the impact of anthropogenic activities on β diversity. *Global Ecology and Biogeography*, **17**, 363–371.

Thompson, F.R., III, and **La Sorte, F.A.** (2008). Comparison of methods for estimating bird abundance and trends from historical count data. *Journal of Wildlife Management*, **72**, 1674–1682.

La Sorte, F.A., and McKinney, M.L. (2007). Compositional changes over space and time along an occurrence–abundance continuum: anthropogenic homogenization of the North American avifauna. *Journal of Biogeography*, **34**, 2159–2167.

- La Sorte, F.A.**, and Hawkins, B.A. (2007). Range maps and species richness patterns: errors of commission and estimates of uncertainty. *Ecography*, **30**, 649–662.
- La Sorte, F.A.**, and Thompson, F.R., III. (2007). Poleward shifts in winter ranges of North American birds. *Ecology*, **88**, 1803–1812.
- La Sorte, F.A.**, McKinney, M.L., and Pyšek, P. (2007). Compositional similarity among urban floras within and across continents: biogeographical consequences of human mediated biotic interchange. *Global Change Biology*, **13**, 913–921.
- McKinney, M.L., and **La Sorte, F.A.** (2007). Invasiveness and homogenization: synergism of wide dispersal and high local abundance. *Global Ecology and Biogeography*, **16**, 394–400.
- La Sorte, F.A.**, and McKinney, M.L. (2006). Compositional similarity and the distribution of geographic range size for native and non-native species in urban floras. *Diversity and Distributions*, **12**, 679–686.
- La Sorte, F.A.** (2006). Geographical expansion and increased prevalence of common species in avian assemblages: implications for large-scale patterns of species richness. *Journal of Biogeography*, **33**, 1183–1191.
- La Sorte, F.A.**, and Boecklen, W.J. (2005). Temporal turnover of common species in avian assemblages in North America. *Journal of Biogeography*, **32**, 1151–1160.
- La Sorte, F.A.**, and Boecklen, W.J. (2005). Changes in the diversity structure of avian assemblages in North America. *Global Ecology and Biogeography*, **14**, 367–378.
- La Sorte, F.A.**, Mannan, R.W., Reynolds, R.T., and Grubb, T.G. (2004). Habitat associations of sympatric red-tailed hawks and northern goshawks on the Kaibab Plateau. *Journal of Wildlife Management*, **68**, 307–317.

In review:

- Winter, M., Kühn, I., **La Sorte, F.A.**, Schweiger, O., Nentwig, W., and Klotz, S. “Are we starting to face a Homogocene”? – Homogenization patterns between Europe and North America. *Global Ecology and Biogeography*.
- Jetz, W., Ashton, K.G., and **La Sorte, F.A.** Phenotypic population divergence in terrestrial vertebrates at macro scales. *Ecology Letters*.

In preparation:

- La Sorte, F.A.**, and Jetz, W. The projected impact of climate change on montane birds worldwide.
- Jetz, W., and **La Sorte, F.A.** Projected temperature anomalies across avian distributions worldwide.

Non-refereed:

- La Sorte, F.A.**, Thompson, F.R., III, Trani, M.K., and Mersmann, T. (2007). Population trends and habitat occurrence of forest birds on southern national forests, 1992–2004. General Technical Report NRS-9. Newton Square, PA; USDA, Forest Service, Northern Research Station, 260 p.
- La Sorte, F.A.** (2005). Changes in avian diversity structure in North America: patterns, causes, and implications. PhD dissertation. Department of Biology, New Mexico State University.
- La Sorte, F.A.** (2001). Habitat associations of sympatric red-tailed hawks and northern goshawks on the Kaibab Plateau. MS Thesis. Department of Wildlife and Fisheries Sciences, University of Arizona.

CONFERENCE PRESENTATIONS

- 2009 The projected impact of climate change on montane birds worldwide. International Biogeography Society, 4th biennial conference, Merida, Mexico.
- 2008 The projected impact of climate change on montane birds worldwide. Sackler Colloquia, National Academy of Sciences, Irvine, CA.
- 2008 The impact of climate and land-use change on assemblages of winter avifauna. Ecological Society of America, 93rd annual meeting, Milwaukee, WI.
- 2007 Poleward shifts in winter ranges of North American birds: spatial dynamics, mechanisms, and regional drivers. Ecological Society of America, 92nd annual meeting, San Jose, CA.
- 2007 Compositional changes over space and time along an occurrence–abundance continuum: human impacts on avian diversity in North America. International Biogeography Society, 3rd biennial conference, Tenerife, Spain.
- 2006 Compositional similarity among urban floras within and across continents: biogeographical consequences of human mediated biotic interchange. Ecological Society of America, 91st annual meeting, Memphis, TN.
- 2006 Geographic expansion and increased prevalence of common species in avian assemblages: implications for large-scale patterns of species richness. Midwest Ecology and Evolution Conference, 26th annual meeting, Saint Louis, MO.
- 2004 Changes in Diversity Structure and Temporal Turnover of Common Species in Avian Assemblages in North America. Southwestern Association of Biologists, annual meeting, Portal, AZ.
- 2004 Changes in the diversity structure of avian assemblages in North America: patterns of biotic homogenization. Ecological Society of America, 89th annual meeting, Portland, OR.
- 2002 Quantifying patterns of biological diversity using vertebrate habitat models. National GAP Analysis Program, 12th annual meeting, Shepherdstown, WV.

INVITED PRESENTATIONS & WORKSHOPS

- 2009 Climate change and the global avifauna. International Union of Physiological Sciences, Osaka, Japan.
- 2009 Identifying North American raptors in flight. Scripps Institute of Oceanography, University of California, San Diego.
- 2007 Climate change and winter avifauna in North America. Division of Biological Sciences, University of California, San Diego.
- 2007 Analyzing avian point count data: distance and removal methods. Department of Fisheries and Wildlife Sciences, University of Missouri-Columbia.
- 2006 Geographic expansion and increased prevalence of common species in avian assemblages in North America. Department of Fisheries and Wildlife Sciences, University of Missouri-Columbia.
- 2005 Changes in avian diversity structure in North America: patterns, causes, and implications. Department of Biology, New Mexico State University.
- 2003 Patterns of avian diversity in space and time: the influence of human altered environments. Department of Geography, New Mexico State University.

- 2003 Logistic regression: theory and application. Department of Experimental Statistics, New Mexico State University.
- 2002 Habitat associations of sympatric red-tailed hawks and northern goshawks on the Kaibab Plateau. Department of Fisheries and Wildlife Sciences, New Mexico State University.
- 2002 Wildlife habitat modeling approaches. Department of Fisheries and Wildlife Sciences, New Mexico State University.
- 2001 Habitat associations of sympatric red-tailed hawks and northern goshawks on the Kaibab Plateau. Department of Wildlife and Fisheries Sciences, University of Arizona.

TEACHING EXPERIENCE

- 2007 Guest lecturer, Biometrics (two lectures), University of California, San Diego.
- 2003-05 Graduate teaching assistant, Introduction Biology Lab, Zoology Lab, New Mexico State University.

PROFESSIONAL SERVICES

Journal Reviews:

Acta Oecologica, Community Ecology, Conservation Biology, Diversity and Distributions, Ecography, Folia Geobotanica, Global Ecology and Biogeography, Journal of Applied Ecology, Journal of Biogeography, Landscape and Urban Planning, Oikos, Plant Ecology, PLoS Biology, Proceedings of the National Academy of Sciences, Proceedings of the Royal Society B: Biological Sciences, Research Letters in Ecology, Science, Southwestern Naturalist

Proposal Reviews:

National Science Foundation (NSF)

Editorial Boards:

International Biogeography Society Newsletter (2007-present)

Consulting:

National Audubon Society
USDA Forest Service

PROFESSIONAL AFFILIATIONS

Ecological Society of America
International Biogeography Society

HONORS AND AWARDS

International Biogeography Society Travel Grant, \$665 (2009).
Sackler Travel Award, National Academy of Sciences, \$100 (2008).
Excellence in Biological Research Award, New Mexico State University, \$2400 (2004).
James Silliman Research Award in Ornithology, University of Arizona, \$500 (2001).