

## JAMESON FALES CHACE

Professor of Biology  
Department of Cultural, Environmental and Global Studies  
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### EDUCATION

Ph.D. Ecology, Department of Ecology and Evolutionary Biology, University of Colorado, Boulder, CO, May 2001.

Dissertation: Host and Habitat Partitioning by Sympatric Brood Parasites in Southeastern Arizona  
Ph.D. Advisor: Dr. Alexander Cruz, University of Colorado.

M.A. Biological Sciences, University of Colorado, Boulder, CO, 1995  
Thesis: The factors affecting the reproductive success of the Solitary Vireo (*Vireo solitarius plumbeus*) in Colorado. M.A. Thesis Advisor: Ruth Bernstein, University of Colorado.

B.S. Biology, environmental science concentration, Eastern Conn. State Univ., Willimantic, CT, 1989.

### PROFESSIONAL EXPERIENCE AND APPOINTMENTS

Professor of Biology, Salve Regina University, 2017-present

Faculty Director of Community-Engaged Learning, 2021-present

Chair, Department of Cultural, Environmental and Global Studies, 2019-present

Associate Professor of Biology, Salve Regina University, 2011 – 2017

Coordinator, Environmental Studies major and minor, Salve Regina University, 2011-present

Assistant Professor of Biology, Salve Regina University, 2005-2011

Assistant Professor of Environmental Science, non-tenure track, Villanova University, 2003-2005

Post-doctoral Teaching Fellow in Environmental Science, Villanova University, 2001-2003

### RECENT PUBLICATIONS (\*undergraduate author)

Mermoz, M. E., A. Cruz, J. F. Chace, and J. C. Reboreda. 2021. Shiny Cowbird (*Molothrus bonariensis* Gmelin, 1788). Chapter 12 in Downs, C. T., and L. A. Hart (eds.) *Invasive Birds: Global Trends and Impacts*, CABI Inc., NHBS, London. DOI: 10.1079/9781789242065.0011

Mangiante, E.S., C. Pickering, J. Conklin, A. Semerjian, and J. F. Chace. 2019. Engineering a Windowsill Hydroponics System to Grow Lettuce. *Science Scope* July: 47-59.

Chace, J. F. and A. Cruz. 2018. Host Resource Partitioning Among Sympatric Molothrine Generalist Brood Parasites. Pp 235-250 in, M. Soler (Ed.), *Avian Brood Parasitism - Behaviour, Ecology, Evolution and Coevolution*, Springer Pub., Switzerland.

Hudson, J. E., D. F. Levia, K. I. Wheeler, C. G. Winters, M. Vaughan, J. F. Chace, S. P. Inamdar, and R. Sleeper. 2018. American beech leaf litter leachate chemistry: effects of geography, senescence, and ageing. *Journal of Plant Nutrition and Soil Science*. doi:10.1002/jpln.201700074

Carmody, L. C.\*, A. Cruz, and J. F. Chace. 2016. Brood Parasitism Defense Behaviors Along and Altitudinal Gradient in the American Robin (*Turdus migratorius*). *Open Ornithology Journal* 9:39-49.

Chace, J.F., A. Cruz and H. M. Swanson. 2016. On the Importance of foothills shrublands to Colorado birds. *Colorado Birds* 50: 175-184.

Walsh, J.J., T. A. Tuff, A. Cruz, and J. F. Chace. 2015. Differential parasitism between two suitable cowbird hosts. *The Open Ornithology Journal* 8: 32-38.

Chace, J. F. 2014. Collaborative projects increase student learning outcome performance in non-majors environmental science course. *Journal of College Science Teaching* 43(9):58-63.

Chace, J. F., A. Cruz and H. M. Swanson. 2014. A century of waterbird trends in Boulder County. *Colorado Birds* 48: 11-41.

Wichowski, D. E. and J. F. Chace. 2014. Library Showcase: Modeling Sustainability Across Campus. Pp 91-105 *in Focus on Educating for Sustainability: Toolkit for Academic Libraries* (M. A. Jankowska, ed.), Library Juice Press, Sacramento, CA.

## **COURSES TAUGHT at Salve Regina University (2005-present)**

General Biology I/II (BIO 111/112)

Humans and Their Environment (BIO 140, non-science majors core curriculum course)

Conservation Biology (BIO 255)

Tropical Biology-Belize (BIO 275)– study abroad

Ecology (BIO 310)

Evolution (BIO 320)

Environmental Justice (ENV 434)

Seminar in Environmental Studies (ENV 400)

Environmental Studies and Sciences Internships (BIO 390, ENV 397)

Research Experience in Biology (BIO 497)

Research Experience in Environmental Studies (ENV 397)

Capstone in Cultural, Environmental and Global Studies (CEG 450)

## **SUPPORT FOR RESEARCH**

**US Department of Agriculture, National Institute of Food and Agriculture: Secondary Education, Two-Year Postsecondary Education, and Agriculture in the K-12 Classroom Challenge Grants Program (SPECAs)** (Subcontract under Mike Barnett at Boston College) USDA-NIFA-SAECP-004424. “Seeding the Future: Integrating Financial Literacy, Environmental Education, and Scientific Research through Hydroponic Food Production” \$42,500 to Salve Regina University over three years.

**NSF RI-EPSCoR, Track I Marine Response to Climate Change.** Subcontract under Dr. Jennifer Specker at University of Rhode Island, currently in year four of five-year project. Subcontract to Salve Regina is approximately \$200,000 per year.

**NSF RI-EPSCoR, Track II Northeast Water Network (NEWRnet).** Subcontract under Dr. Jennifer Specker at University of Rhode Island, currently in year one of three-year project. Subcontract to Salve Regina is approximately \$46,000 per year.

**The Rhode Island Campus Compact Partnership for Success: *Hydroponic Education.*** Co-PI All Saints Academy. \$800 awarded November 2013. This grant enabled the development of hydroponic classroom, student-inquiry center at All Saints Academy. 10 students from the 6-8<sup>th</sup> grade are peer leaders of approximately 100 students who use the hydroponic center.

**The Rhode Island Campus Compact Partnership for Success: *Ecology Comes Alive.*** Co-PIs Drs. Kathleen Vespia and Kathleen Nickerson (Salve Regina University, Education Department). \$950, awarded September 2011. This grant has brought several partners together from opposite ends of the city of Newport, Rhode Island in an attempt to better prepare public school students, classroom teachers, pre-service teachers, and future ecologists about the importance and relevancy of ecological principles.

**Rhode Island Foundation’s Newport County Fund: *Watershed Ecology and Education.*** \$4,000 Salve Regina University’s Aquidneck Island Watershed Study project in June 2010. Community-based watershed monitoring program was implemented at 15 locations on Aquidneck Island.