

Curriculum Vitae

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Education

Doctoral Candidate, Earth and Environment, Florida International University, Miami FL 33199, advisor Hong Liu, PhD. (2023)

Master of Science, Entomology/Nematology, University of Florida, Gainesville, FL 32607 (2013). Ecology and Conservation of *Eumaeus atala* Poey 1832. 296 pp.

Bachelor of Science, Environmental Science, Nova Southeastern University, Davie, FL 33314. (2008). Environmental Science & Biology, Field Studies in Ecuadorian Cloud Forests.

Ivy School of Professional Art, Fine Art, Pittsburgh, PA. (1975)

Selected Research Experience

Institute for Regional Conservation, 100 E. Linton Blvd., Suite 302B, Delray Beach, FL. 33483. 305-247-6547. Entomologist; butterfly and botanical surveys. 2015-2018.

Tropical Audubon Society, 5530 Sunset Drive, Miami, FL 33143. Entomologist; Education Director. 2014-2017.

University of Florida, Tropical Research and Education Center, 18905 SW 208 St., Homestead FL 33031. Biological Scientist, Ornamental Entomology Dept. July 2014-April 2015.

University of Florida, Florida Medical Entomology Laboratory, 200 9th Street SE, Vero Beach FL 32962. Entomologist; non-target insects in mosquito control study. Mar. 2014-June 2014 (OPS).

USDA/ARS Biocontrol, Doyle-Connor Bldg., Gainesville, FL 32607. Entomologist; invasive plant biocontrol. 2011-2013.

Florida Natural Areas Inventory, southeast Florida. Prepared field surveillance plans, performed field surveys for imperiled lepidoptera in southeast Florida and prepared data sheets for Florida State University. 2010-11.

Reynolds, Smith and Hills, 3125 West Commercial Blvd., Fort Lauderdale FL 33309. Sea grass & tree surveys, environmental impact reports, historical data on survey sites. 2008.

University of Florida, REC/IFAS, Entomology/Nematology Department, Nan-Yao Su, Termite Lab, Davie, FL. Mapped range and distribution of invasive termites in three southeast counties, curated specimens, data research, outreach education programs. 2004-2006

Publications

- Koi, S. and C. van der Heiden. 2020. [Butterfly diversity on the Homestead Air Reserve military base in southeast Florida](#). *Urban Ecosystems. Journal of Zoological Research*. 02(3): 20 July. Doi: 10.30564/jzr.v2i3.2063.
- Koi, S. 2017. [A Butterfly Picks its Poison: Cycads \(Cycadaceae\), Integrated Pest Management, and *Eumaeus atala* Poey \(Lepidoptera: Lycaenidae\)](#). *Entomology, Ornithology and Herpetology*. 6:191. Doi:10.4172/2161-0983.1000191.
- Koi, S. and Daniels, J. 2017. [Life History Variation and Seasonal Polyphenism in *Eumaeus atala* Poey 1832 \(Lepidoptera: Lycaenidae\)](#). *Florida Entomologist*. 100(2): 219- 229.
- Ramírez-Restrepo, L., S. Koi and I. MacGregor-Fors. 2016. [Tales of Conservation in cities: The case of *Eumaeus* butterflies and their threatened cycad hostplants](#). *Urban Ecosystems*. Doi: 10.1007/s11252-016-0599-0.
- Koi, S. and D.W. Hall. 2016. [Eumaeus atala, Feature Creature](#). IFAS UF publication EENY-638. Oct.
- Koi, S. and J. Daniels. 2015. [New and revised life history of the Florida hairstreak *Eumaeus atala* \(Lepidoptera: Lycaenidae\) with notes on its current conservation status](#). *Florida Entomologist*. 98(4): 1134-1147. Dec.
- Koi, S. 2013. Ecology and Conservation of *Eumaeus atala* Poey 1832 (Lepidoptera: Lycaenidae). MS thesis, University of Florida. 294 pp.
- Koi, S. 2005-2013. Atala News, dedicated to butterfly conservation in south Florida. <http://e-atala.blogspot.com>; <http://e-atala2.blogspot.com>.
- Koi, S. 2008. [Nectar Sources for *Eumaeus atala* \(Lepidoptera: Lycaenidae: Theclinae\)](#). *Florida Entomologist*. 91(1):118-120. [http://doi.org/10.1653/0015-4040\(2008\)091\[0118:NSFEAL\]2.0CO;2](http://doi.org/10.1653/0015-4040(2008)091[0118:NSFEAL]2.0CO;2).
- Koi, S. 2007. [Removal of Non-Native Plants from John Williams Park in Hollywood, Florida](#). *Wildland Weeds*. 11(1): 4-5. Winter.
- Koi, S. 2005. Butterflies, Botany and Battlefields: How Florida History Impacted and was Influenced by a Cycad and an Insect. *GoRiverwalk*. 1(12): 92-94. Jan.
- Koi, S. 2004. Establishing Naturally Sustainable Wild Populations of the *Eumaeus atala florida* Röber (Lycaenidae: Lepidoptera) and its Larval Host Plant, Coontie (*Zamia* species) within Historically Documented Florida Sites. Undergraduate grant. National Fish and Wildlife Foundation, Budweiser Conservation Scholarship Program. (FL)#2004-0019-001). 110 pp.

Volunteer/Community Work

- Land Acquisition Selection Committee, Miami-Dade County. 2016-current
- Pine Rockland Work Group. 2005-current
- Miami Pine Rockland Preservation Coalition. Founding member 2014-current
- North American Butterfly Association. 2003-current
- Imperiled Butterfly Work Group, Florida Wildlife Commission. 2007-current