

ALESSANDRA PANDOLFI

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GENERAL INFORMATION

Academic Education

2021 - current	Ph.D. Integrative and Conservation Biology University of Central Florida (Orlando, Florida)
2014 - 2017	Master's degree in Experimental and Applied Biology University of Pavia (Pavia, Italy)
2009 - 2013	Bachelor's degree in Natural Sciences and Technology University of Pavia (Pavia, Italy)

Professional Education

May 1, 2024	Webinar: Mapping the 3-30-300 Rule for Actionable City Greening PlanIT Geo
June 20-24, 2022	Entomological Collections Management Workshop Arizona State University, Tempe
May 13, 2022	Graduate Research Mentor Training Trevor Colbourn Hall, University of Central Florida
June - October 2017	“Lectures on museums and cultural heritage, for museum staff and volunteers”. Civic Museum of Natural History G. Orlandi, Voghera, Italy
May 2016	DEST (Distributed European School of Taxonomy) program “Entomological research in protected areas”. Museum of Natural History of Florence, Italy
August - September 2015	“Tropical rainforest biodiversity: field and GIS tool for assessing, monitoring and mapping” at Udzungwa Mountains National Park, Tanzania. MUSE (Italy) and Natural History Museum of Denmark

- June - July 2015 **DEST (Distributed European School of Taxonomy) program** in “Entomology (special. Diptera *Syrphidae*), emphasis on collection management and bioindicator use”.
Civic Museum of Natural History of Ferrara, Italy
- September - October 2013 **FGASA level 1 (Professional Field Guide)**; First Aid certificate; Cyber tracking level 1 certification; Basic dangerous game qualification.
Limpopo Field Guiding Academy, South Africa

Work Experience

- January 2020 - current **Collection assistant**
University of Central Florida Collection of Arthropods
- January 2020 - June 2021 **Laboratory technician**
University of Central Florida, D4 Ecology Lab
- October 2017 - March 2019 **Collection assistant**
Kosmos - Natural History Museum of the University of Pavia (Pavia, Italy)
- January - September 2017 **Educator, museum guide**
Civic Museum of Natural History G. Orlandi (Voghera, Italy)

Volunteer Experience

- March - December 2019 **Collection assistant**
University of Central Florida Collection of Arthropods (UCFC)
- May 2015 - October 2017 **Collection assistant**
Kosmos - Natural History Museum of the University of Pavia (Pavia, Italy)

Technical Skills

- Imaging Zerene, Photoshop, Lightroom
- Mapping QGIS; ArcGIS Pro
- Data Analysis R statistical software (Frequentist and Bayesian Approach)
- Microscope Stereomicroscope and Compound Microscope
- Computer Microsoft Office
- Languages Italian (native); English (fluent); Spanish (basic); French (basic)
- Job-related Collection management, ecological data collection, experimental design, data interpretation, literature review, collecting and preserving techniques for arthropods, use of dichotomous keys, historical and modern catalogs, taxidermy, restoration, and preservation of museum collections.

MENTORING AND TEACHING

Mentorship

May 2024 – ongoing	Jack Grady, UG student: research and processing samples
June – July 2024	Carson Bassett, Heriberto Pena, Jack Grady, Lauren Mettke, Zachary Montealegre, UG students: research and fieldwork
March – April 2024	Brooke Lambert, Cameron Taylor, Carson Bassett, Jack Grady, Lauren Guerra, Lauren Mettke, Mary Noe, Sara Reed, UG students: research and fieldwork
October 2023	Heriberto Pena, Lauren Guerra, Samantha Plock, Sarah Reed, UG students: research and fieldwork
June – July 2023	Alexander Irigoyen, Ashley Walden, David Ramirez, Mary Noe, Rayhanna Harper, UG students: research and fieldwork
May – July 2022	Robin Pitilon, NSF REU Program, University of Central Florida (Orlando)
October 2017 – March 2019	Part-time students at Kosmos – Natural History Museum of the University of Pavia (Pavia, Italy)

RESEARCH

Fundings

August 2021	Trustees Doctoral Fellowship Sponsor: University of Central Florida Multi-year support to the most qualified applicants to the institution. \$25,000.00/yr. for 4 years (2021-2025)
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Peer-reviewed Publications

1. HART J., PANDOLFI A., JONES T., JENKINS D.J, 2024. Ground-based pyrethroid adulticides reduce mosquitoes but not nontarget insects in Central Florida. *Journal of the American Mosquito Control Association*. 40 (3), 125-136
2. PANDOLFI A., KELLY S., IRMLER U., BOHLEN P., 2024. First record of *Mimogonus fumator* (Fauvel, 1889) (Coleoptera: Staphylinidae: Osoriinae) in the USA, with a synopsis of the Osoriinae of the Southeastern USA. *Zootaxa* 5477 (2): 136–146.

3. **PANDOLFI A. & SCHNEPP K.**, 2024. New distributional records of the genus *Tetragonoderus* Dejean, 1829 from the United States of America, including an updated key to species (Coleoptera: Carabidae). *Fragmenta entomologica*, 56 (1): 65–72.
4. JENKINS D.G., BEVAN H.R., CHEN W., HART J.D., LINDSAY A., MACAMO L., NEGASH M., OHYAMA L., **PANDOLFI A.** & ZARAGOZA G., 2024. Biogeography of the world's worst invasive species has spatially-biased knowledge gaps but is predictable. *Frontiers of Biogeography*. 16.2, e61681.
5. GROPPALI R., **PANDOLFI A.** & PESARINI C., 2023. I Ragni del Bosco Siro Negri e la conservazione di specie forestali (comune di Zerbolò, Pavia - Parco del Ticino). *PIANURA - Scienze e storia dell'ambiente padano*, 42/2023: 92-97.
English title: The Spiders of Bosco Siro Negri and the Conservation of Forest Species (Municipality of Zerbolò, Pavia - Ticino Park).
6. **PANDOLFI A.** & ETZLER F. E., 2020. Description of a new species of *Platyparadonus* Etzler and Ivie, 2019 (Coleoptera: Elateridae), with an updated key to species. *Zootaxa* 4816 (3): 377-382.
7. GIACOBBE D., GUIOLI S., LUCHELLI M., **PANDOLFI A.** & RESTIVO S., 2019. Il “Museobus” come strumento per la promozione e valorizzazione del patrimonio materiale dell’Oltrepò pavese. *Museologia Scientifica-Memorie* 20: 146-149.
English title: The "Museobus" as a tool for promoting and enhancing the tangible heritage of the Oltrepò Pavese.
8. PAGANELLI, D., **PANDOLFI, A.**, SCONFIETTI, R. & MARCHINI, A., 2019. Spatial distribution and substrate preferences of the non-indigenous amphipod *Gammarus roeselii* Gervais, 1835. *Marine and Freshwater Research*, 71(7), 723-728.
9. PAGANELLI, D., **PANDOLFI, A.**, SCONFIETTI, R., MARCHINI, A. & VILIZZI, L., 2018. Potential invasiveness by non-indigenous macrozoobenthos in the secondary hydrographic system of a temperate-climate river catchment. *Ecological Indicators*, 88, 274-281.
10. **PANDOLFI, A.**, PAGANELLI, D. & SCONFIETTI, R., 2017. Biological traits and potential vector of dispersion of the non-native amphipod *Gammarus roeselii* Gervais, 1835. *Biodiversity Journal*, 8(2), 391-394.
11. PAGANELLI, D., **PANDOLFI, A.** & SCONFIETTI, R., 2017. First record of eyeless specimens of *Gammarus roeselii* Gervais 1835 (Amphioda, Gammaridae) in a small stream of the sub-lacustrine Ticino River basin (Lombardy, Northern Italy). *Natural History Sciences*, 4(1), 105-107.

Presentations

1. IANNONE B.V. III, MOFFIS B.L., BOHLEN P.J., **PANDOLFI A.**, HAGAMAN M., COPE V., 2024. Establishing native landscaping plants in the degraded soils of a new residential land development: strategies and ecological benefits. [Oral presentation]. Ecological Society of America Annual Meeting 2024, Long Beach, California, USA.
2. **PANDOLFI A.**, JENKING D.G., BOHLEN P., 2024. How Habitat Heterogeneity Shapes Ground-Active Beetle Communities in Urban Parks. [Oral presentation]. URBIO 2024, University of Missouri, Columbia, Missouri, USA.

3. **PANDOLFI A.**, MOFFIS B., IANNONE B.V. III, JENKINS D.G., BOHLEN P., 2024. Reshaping Residential Landscapes: How Water Conservation Practices and Native Plants Enhance Soil Communities. [Oral presentation]. URBIO 2024, University of Missouri, Columbia, Missouri, USA.
4. MOFFIS B., **PANDOLFI A.**, BOHLEN P., IANNONE B.V. III, 2024. Improving Urban Soil for Native Plant Establishment: Breaking Ground with Soil Amendments. [Oral presentation]. URBIO 2024, University of Missouri, Columbia, Missouri, USA.
5. IANNONE B.V. III, BOHLEN P., COPE V., HAGAMAN M., **PANDOLFI A.**, MOFFIS B.L., LEVEY R., KIPP J., JONES P., 2024. Translating ecological understanding into environmentally responsible development and landscaping practices: the benefits of including non-academic partners. [Oral presentation]. URBIO 2024, University of Missouri, Columbia, Missouri, USA.
6. BOHLEN P., MOFFIS B.L., **PANDOLFI A.**, HAGAMAN M., COPE V., IANNONE B.V. III, 2024. Sustainable Landscaping Solutions for Florida. Discussion on Florida landscaping and good landscaping practices. [Oral presentation]. Del Webb Sunbridge, Hammock club, St. Cloud, Florida - May 7, 2024.
7. **PANDOLFI A.**, JENKING D.G., BOHLEN P., 2023. Promoting Ground-Dwelling Insects through Sustainable Practices in Suburban Landscapes. [Oral presentation]. Entomological Society of America Annual Meeting 2023, National Harbor, Maryland, USA. **1st place winner – SysEB: Conservation**
8. HAGAMAN, M., **PANDOLFI, A.** 2023. Living laboratories. The boundary planting at base camp: Responses of the pollinator community [Oral presentation]. Outside Collab. Orlando, FL, USA.
9. BOHLEN P., HAGAMAN M., PITILON R., BURDETT M., **PANDOLFI A.**, 2023. Compost greatly increases the number of flowers and pollinators in suburban native plant landscapes. [Oral presentation]. Ecological Society of America Annual Meeting Annual Meeting 2023, Portland, Oregon, USA.
10. MOFFIS B., PITILON R., **PANDOLFI A.**, BURDETT M., BOHLEN P., IANNONE B., 2023. Ecology in Florida’s expanding residential landscapes: quantifying approaches and attitudes. [Poster presentation]. Nature Conservancy presentation, USA.
11. BURDETT M., HAGAMAN M., PITILON R., **PANDOLFI A.**, BOHLEN P., 2023. Flower power: Using native plants to enhance pollinator habitat in suburban development. [Poster Presentation]. UCF Student Scholar Symposium, Orlando, USA. **Judge’s Award Winner.**
12. **PANDOLFI A.**, 2023. The power of collaboration in building a sustainable future in Florida cities. [Virtual oral presentation]. The Environmental Solutions Partnering Team NASA – February 16, 2023.
13. **PANDOLFI A.**, 2023. Distribution of an exotic ground beetle (Coleoptera: Carabidae) in Florida and quality of citizen science records.” [Oral presentation]. CSE Annual Meeting, Gainesville, FL, USA – January 28, 2023
14. **PANDOLFI A.**, 2023. The power of collaboration in building a sustainable future in Florida cities. [Virtual oral presentation]. METRA General Meeting
15. PITILON R., **PANDOLFI A.**, BURDETT M. & BOHLEN P.J., 2022. Indirect Effects of Compost on Pollinators in Suburban Native Plant Landscapes. [Poster presentation]. UCF REU (Research Experience for Undergraduates) poster showcase at the University of Central Florida 2022, Orlando, USA.

16. **PANDOLFI A., PAGANELLI D. & SCONFIETTI R., 2017.** Biological traits and potential vector of dispersion of the non-native amphipod *Gammarus roeselii* Gervais, 1835. [Poster presentation]. 17th International Colloquium on Amphipoda (Trapani, Italy).
17. **PANDOLFI A., PAGANELLI D. & SCONFIETTI R., 2016.** The distribution of the non-native *Gammarus roeselii* Gervais 1835 and native *Echinogammarus stammeri* (Karaman 1931) in the irrigation system of the sub-lacustrine Ticino River (Lombardy, northern Italy). [Poster presentation]. Congress SITE - UZI - SIB “Biodiversity: concepts, new tools and future challenger” (Milan, Italy).

Other Contributions and News

1. **Biology Ph.D. Students Awarded at the Entomological Society of America Annual Meeting.** December 7th, 2023, COS NEWS. <https://sciences.ucf.edu/news/biology-entomological-awards/>
2. **PANDOLFI A. & PAGANELLI D., 2015.** Un nuovo alieno nella Vernavola (A new alien in the Vernavola Stream). Newsletter CeMAV, year VIII – N. 4. <http://www.comune.pv.it/site/home/aree-tematiche/ambiente-e-rifiuti/crea>
English title: A new alien in the Vernavola Stream.

Congress attendance

June 24-26, 2024	URBIO-International Network Urban Biodiversity and Design 2024 University of Missouri, Columbia, Missouri
February 10, 2024	CSE Annual Meeting and Conference (Center for Systematic Entomology) Gainesville, Florida
November 5-8, 2023	Entomological Society of America (ESA) annual meeting National Harbor, Maryland
November 4-5, 2023	Entomological Collection Network (ECN) annual meeting National Harbor, Maryland
February 9, 2023	18th Annual Environmental Excellence Day (METRA) Winter Park, Florida
January 28, 2023	Center for Systematic Entomology Annual Meeting and Conference (CSE) Gainesville, Florida
October 21, 22 - 2021	OUTSIDE: Sustainable Landscape Collaborative 2021 Groveland, Florida
October 9, 2021	2nd International Symposium on Elateroidea (virtual)
April 2021	Center for Systematic Entomology, Annual Meeting and Conference (virtual)

January 2020	CSE Annual Meeting and Conference (Center for Systematic Entomology) Gainesville, Florida
October 2017	XXVIIth congress ANMS - National Association of Scientific Museums: “The museum and its contacts”. Genoa, Italy
September 2017	17th ICA International Colloquium on Amphipoda University of Palermo, Italy
September 2016	1st National Congress SITE-UZI-SIB “Biodiversity: concepts, new tools and future challenges”. University of Milan-Bicocca, Italy
March 2015	“Biodiversity for Everyone: citizen science projects for the conservation and education of nature” . Civic Museum of Natural History of Ferrara, Italy

Grants and Awards

August 2024	UCF College of Graduate Studies Presentation Fellowship Sponsor: University of Central Florida Total amount: \$ 500.00
November 2023	First Place - 2023 ESA Annual Meeting Student Competition Sponsor: Entomological Society of America Total amount: 2024 membership (value \$40.00) and \$75.00
August 2023	UCF College of Graduate Studies Presentation Fellowship Sponsor: University of Central Florida Total amount: \$ 500.00
November 2022	Michael T. Morrow Memorial Environmental Scholarship Sponsor: Metropolitan Environmental TRaining Alliance (METRA) Total amount: \$ 1,000.00
June 2022	Entomological Collections Management Workshop Sponsors: Entomological Collections Network (ECN) Systematics, Evolution, and Biodiversity Section (SysEB) of the Entomological Society of America (ESA) Travel scholarship: \$ 1,000.00
August 2021	Trustees Doctoral Fellowship Sponsor: University of Central Florida Multi-year support to the most qualified applicants to the institution Total amount: \$ 25,000.00/yr. for 4 years (2021-2025)
January 2020 - June 2021	Research Grant Project FDACS Project: Research balancing mosquito control and nontarget effects across Seminole County, FL

Sponsor: Florida Department of Agriculture Consumer Services (FDACS) and University of Central Florida
Position: Part-time Technician
Total contract amount: \$ 140,824.00 (PI: David G. Jenkins, PhD; Contract # 26509)

October 2017 - 2018

Servizio Civile Universale (Alternative Civilian Service)

Project: Il museo e la città. Radici comuni, spazi condivisi, storie che si intrecciano. (The museum and the city. Common roots, shared spaces, intertwining stories)

Sponsor: Regione Lombardia (Lombardy Region, Italy) and University of Pavia (Pavia, Italy)

Position: Collection Assistant

Total amount: € 433.80/month for 1 year (CUP # R03NZ0012517100023NR03)

January - September 2017

Fondazione Cariplo - Area Arte e Cultura

Project: “OltreCultura” and “Oltrepò pavese, la cultura si coltiva”

Sponsors: Fondazione Cariplo, Civic Museum of Natural History G. Orlandi of Voghera (Italy), and “La Pietra Verde” Brignano Frascata (Italy)

Position: Museum Outreach Educator

Total amount: € 3,000.00 (PI: Simona Guioli, PhD; CUP # C16G16000490004.

Field Trips and Research

Fall 2023	BioBlitz, Econ River Wilderness Area, Florida
Spring 2023	BioBlitz, Black Hammock Wilderness Area, Florida
Fall 2022	BioBlitz, Chuluota Wilderness Area, Chuluota, Florida
Summer 2022	Entomological survey, Del Webb Sunbridge, St. Cloud, Florida
Summer 2022	Entomological Collection Network field trip, Picketpost Mountain, Arizona
Summer 2021 - 2022	Entomological survey, Hal Scott Regional Preserve, Orange Co., Florida
Spring 2022	BioBlitz, Lake Jesup Conservation Area, Sanford, Florida
Summer 2021	Field trip, Pocahontas State Park, Richmond, Virginia
Summer 2021	Field trip, Orlando Wetlands Park, Christmas, Florida
Spring 2021	BioBlitz, Spring Hammock Preserve, Sanford, Florida
Fall 2020	BioBlitz, Geneva Wilderness Area, Geneva, Florida
Spring 2020 - Summer 2021	Mosquito Research Project D4 Ecology Lab (UCF), Seminole County, Florida
Fall 2019	BioBlitz, Lake Proctor Wilderness Area, Geneva, Florida
Fall 2018	BioBlitz, Split Oak Forest, Orlando, Florida

SERVICE

Curatorial Work

2019 - current	University of Central Florida Collection of Arthropods
2019 - current	Florida State Collection of Arthropods (Gainesville)
March 2022	The Academy of Natural Sciences of Drexel University (Philadelphia)
July 2021	Virginia Museum of Natural History (Martinsville)

Societies Affiliations

2023 - current	Metropolitan Environmental TRaining Alliance (METRA)
2023 - current	The Coleopterists Society
2022 - current	Ecological Society of America (ESA)
2022 - current	Entomological Society of America (ESA)
2022 - current	International Association of Landscape Ecology (IALE)
2022 - current	IALE – North America
2021 - current	ISSNAF Italian Scientists & Scholars in North America Foundation
2021 - current	ISSNAF US South-East chapter
2019 - current	Center for Systematic Entomology (CSE)

Professional Services

February 10, 2024	Moderator for Center for Systematic Entomology (CSE) Annual Meeting 2024
May, 2023	Journal Review Service: <i>Insecta Mundi</i> (1)
April, 2023	Journal Review Service: <i>BioScience</i> (1)
January 28, 2023	Moderator for Center for Systematic Entomology (CSE) Annual Meeting 2023
2022 - current	Review Editor <i>Insecta Mundi</i> Journal
2021 - current	Board of Directors, Center for Systematic Entomology, Gainesville
2021 - current	Reviewers' acknowledgment communications for <i>Insecta Mundi</i> Journal
2019 - current	Research Associate, Florida State Collection of Arthropods (FSCA), Gainesville

Visiting Research

June 2022	The Hasbrouck Insect Collection, Arizona State University (Phoenix)
April 2022	Broward College Entomological collection (Fort Lauderdale)
March 2022	The Academy of Natural Sciences of Drexel University (Philadelphia)
July 2021	Virginia Museum of Natural History (Martinsville)

Outreach Services

August 23, 2023	University of Central Florida Collection of Arthropods (UCFC) Tour of the collection for Office of Institutional Equity employees
July 21, 2023	University of Central Florida Collection of Arthropods (UCFC) Tour of the collection for Summer Research Academy students
April 20, 2023	NASA Kennedy Space Center – Earth Day 2023, Merritt Island, FL Entomological collections (UCFC) showcase and science communication
July 25, 2022	The Corey Donaldson Foundation Inc. (Sanford, FL) Outreach event, Summer STEM Camp
July 19, 2022	University of Central Florida Collection of Arthropods (UCFC) Biology Summer Institute, University of Central Florida Tour of the collection for high school students from Orange Co., Florida
July 15, 2022	University of Central Florida Collection of Arthropods (UCFC) STEM Summer Camp, University of Central Florida Tour of the collection for Apopka High School from Orange Co., Florida
April 01, 2022	STEM Day, University of Central Florida Outreach activities with children from Central Florida public schools
November 03, 2021	University of Central Florida Collection of Arthropods (UCFC) Tour of the collection and outreach (children Preschool-Preteen)
October 30, 2021	Arboretum Community Day, University of Central Florida Entomological collections (UCFC) showcase and science communication
January 2017 - 2018	Civic Museum of Natural History G. Orlandi of Voghera, Italy “Oltre-Cultura”: outreach and science communication