



ROSEMARY A. E. GLOS

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UM Biological Sciences Building, 1105 N University Ave Rm. 3170, Ann Arbor, MI 48109

EDUCATION

PhD (anticipated May 2026)

University of Michigan

August 2022 - Present

Dept. of Ecology and Evolutionary Biology

Advisor: Dr. Marjorie Weber

Michigan State University

August 2021 - August 2022

Dept. of Plant Biology and Program in Ecology, Evolution, and Behavior

Advisor: Dr. Marjorie Weber

BS **Cornell University**, BS in Plant Sciences

August 2016 - May 2020

Graduated *Summa Cum Laude*

Concentration in evolution & systematics | Minor in botanical illustration

PUBLICATIONS

Glos, R.A.E., Salzman, S., Calonje, M., Vovides, A.P., Coiro, M., Gandolfo, M. A., Specht, C.D. 2021. *Leaflet Anatomical Diversity in Zamia (Cycadales: Zamiaceae) Shows Little Correlation with Phylogeny and Climate*. Botanical Review. 2022.

<https://doi.org/10.1007/s12229-021-09272-0>

Chery, J.G., **Glos, R.A.E.**, and Anderson, C.T., 2021, *Do woody vines use gelatinous fibers to climb?* New Phytologist 233(1), 126-131. <https://doi.org/10.1111/nph.17576>. **Cover Feature.**

CONFERENCE POSTERS

Glos, R.A.E., Weber, M.G. 2022. *Catch, Stick, Sting: The Evolutionary Ecology of Complex Trichomes in Loasaceae*. Poster presented at: Botany 2022, Anchorage, AK, USA.

Glos, R.A.E., Salzman, S., Calonje, M., Vovides, A.P., Specht, C.D. 2020. *A Phylogenetic and Geographic Analysis of Leaflet Anatomy in Zamia (Cycadales: Zamiaceae)*, Poster presented at: Botany 2020 (virtual).

Glos, R.A.E., Landis, J.B., Royall, M., Harrington, S., McCouch, S., Specht, C.D., Styger, E. 2019. *New Insights into Saamakan Rice Diversity in Suriname*. Poster presented at: Botany 2019, Tucson, AZ, USA.

WORKSHOPS

Science, Art, and You: Harnessing Creativity from Process to Project. Organized and presented by **Rosemary Glos**, Nicolette Sipperly, Kasey Pham, and Patricia Chan. Half-day workshop. Botany 2022, Anchorage, AK.

FELLOWSHIPS AND GRANTS

Bill Dahl Graduate Student Research Award Botanical Society of America (2022)	\$1,500
Howard McCarley Student Research Award Southwestern Association of Naturalists (2022)	\$3,000
Rodman Botany Scholarship Dept. Plant Biology, Michigan State University (2022)	\$3,000
Paul Taylor Endowment Award Dept. Plant Biology, Michigan State University (2022)	\$500
EEB Professional Horizons Grant Program in Ecology and Evolutionary Biology, Michigan State University (2022)	\$1,700
University Distinguished Fellowship Michigan State University (2021) Prestigious support package awarded to only 20/500 incoming graduate students. Guaranteed stipend (\$29,000) for 1st and 5th years of dissertation.	\$58,000
College of Natural Sciences Recruiting Fellowship Michigan State University (2021)	\$3,000
Plant Science Supplemental Scholarship Dept. Plant Biology, Michigan State University (2021)	\$2,500
Academic Research Enrichment Grant Cornell College of Agriculture and Life Sciences Alumni Association (2019)	\$500
Undergraduate Research Grant Dextra Undergraduate Research Endowment Fund, Cornell University (2019)	\$1000

Student Travel Grant \$500
Triarch Incorporated and Botanical Society of America (2019)

HONORS AND AWARDS

Young Botanist Award 2020
Botanical Society of America

Merrill Presidential Scholar 2020
Cornell University Office of the President

SUNY Chancellor's Award for Student Excellence 2020
State University of New York

College of Agriculture and Life Sciences Academic Excellence Award 2020
Cornell University

RESEARCH EXPERIENCE

Research Technician & Lab Manager Sept. 2020 – July 2021
Onyenedum (née Chery) Lab, Cornell University, School of Integrative Plant Science, Ithaca, NY

- Designed and implemented greenhouse experiments using common bean (*Phaseolus vulgaris*) as a model system for secondary growth and cellular biomechanics in woody vines
- Honed skills in data collection, microtome and hand sectioning, histochemical staining, microscopic imaging, and manuscript preparation.
- Responsible for developing lab protocols, ensuring compliance with environmental health and safety requirements, and managing ordering/procurement.

Undergraduate Researcher Sept. 2019 – Aug. 2020
Specht Lab, Cornell University, School of Integrative Plant Science, Ithaca, NY
Fieldwork at Montgomery Botanical Center, Coral Gables, FL

- Lead investigator on a broad comparative survey of leaflet anatomy in the cycad genus *Zamia*
- Performed leaflet sectioning, staining, and microscopy in collaboration with researchers at Cornell, Harvard, MBC, Instituto de Ecología (Mex.), and Fairchild Tropical Garden.

- First-author manuscript analyzing results in a phylogenetic and ecological context published in the Botanical Review

Research Assistant

Aug. 2018 – Aug. 2019

Cornell Climate-Resilient Farming Systems, Ithaca, NY

Fieldwork along the Upper Suriname River, Suriname

- Field assistant on an international project aimed at documenting, studying, and conserving unique rice landraces grown by the Sa’amaka people of Suriname.
- Conducted fieldwork in rugged conditions deep in the Suriname rainforest
- Documented over 50 upland rice varieties, interviewed Sa’amaka farmers, and collected phenotypic data while preparing over 400 samples for export.
- Created and distributed a bilingual (English + Sa’amaka) poster that celebrates the diversity and cultural importance of Sa’amaka rice.

TEACHING AND LEADERSHIP EXPERIENCE

Tree Climbing Instructor

Jan. 2017 – May 2021

Cornell Outdoor Education, Ithaca, NY

- Taught recreational rope-access tree climbing classes for the country’s largest collegiate outdoors program
- Course locations included California’s giant sequoias and the Costa Rican rainforest
- Ran a climbing workshop for at-risk girls and took over 100 young attendees into the trees during the Ithaca Youth Bureau’s inaugural Tree Fest.

Roller Derby Head Coach

Nov. 2015 – May 2021

Ithaca League of Junior Rollers, Ithaca, NY

- Developed and implemented practice plans for 30-40 youth aged 8-17.
- Ensured the safety of a diverse team of young people playing a full-contact sport.
- Volunteered in all aspects of the program, including coaching, scheduling, registration, marketing, and finances.

LANGUAGES

English: Native Language

Spanish: Intermediate Speaking and Writing, Advanced Low Reading and Listening

ADDITIONAL SKILLS AND EXPERIENCE

Scientific illustrator proficient in pencil, ink, and watercolor. Member and exhibitor (2020) with the Guild of Natural Science Illustrators. Specializes in botanical subjects.

Athlete with Ithaca League of Women Rollers (2010-2020) and Lansing Roller Derby (2021-present). Veteran roller derby player, coach, and non-skating official (11 seasons). Seven-time MVP (most valuable player).

Co-Owner, Kingbird Farm, Lifelong experience living and working on a small organic farm.