

NICOLE TU-MAUNG

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EDUCATION

M.S. Environment & Resources, 2019
The University of Wisconsin-Madison
Nelson Institute for Environmental Studies

Thesis: *The Spirit of a Serpent: Seeing Buddhism, Environment, and Politics Through the Snake Temples of Myanmar*
Committee: Drs Tim Van Deelen, Paul Robbins, Tun Myint

B.S. Environmental Science & Sustainability, 2017
Cornell University
Department of Natural Resources

Magna Cum Laude
Distinction in Research

EXPERIENCE

Technical Writer
Epic Systems

Sept 2020 - Present
Verona, WI

Test, document, and produce communications on developments in a leading electronic health record system. Focusing on organ transplants, dentistry, and physician claims.

Communications Officer/Communications Consultant
Conyat Create

Sept 2019 - Sept 2020
Yangon, Myanmar

Managed all communications activities including marketing, public outreach, event planning, publicity, and client relations for a Myanmar-based environmental and sustainability consulting firm. Coordinated, designed strategy, and developed curriculum for *Climate Talks*, a climate change education and outreach program for public schools and the general public in Yangon.

Led communication strategy, content, training materials, and graphic design for projects including:

- Public consultation materials for a large-scale hydropower development project in Shan State;
- Report on stakeholder perceptions in hydropower project affected areas in Shan and Kayah States;
- Guide to decent domestic work in Myanmar, funded by the International Labour Organization;
- Corporate strategy for a private security firm to meet standards outlined by the UN Global Compact.

Faculty in Sciences
Parami Institute

Aug 2019 - May 2020
Yangon, Myanmar

Developed curriculum for and taught courses for post-graduate students in an advanced, one-year liberal arts program. Courses taught include Ecology & Evolution, Perspectives on Climate Change, and Global Food Systems & Agriculture. Led a research design seminar on interview methods, qualitative data collection, and academic & non-academic writing in the sciences with a focus on conservation, environmental education, and urban ecology. Acted as the faculty advisor and editor for a student magazine on urban environmental issues, *Urban Impact*.

Graduate Teaching Assistant

Department of Integrative Biology, The University of Wisconsin-Madison

Sept 2018 - May 2019
Madison, WI

Taught undergraduate laboratory courses to ~160 students in introductory biology, zoology, and botany. Taught 2 classes per semester, each meeting 3 hours per week. Prepared wet labs, graded laboratory assignments, and administered exams. Advised ~50 students on writing manuscripts for quantitative research projects.

EXPERIENCE

Research Assistant

Department of Biological and Environmental Engineering, Cornell University

2015 - 2017

Ithaca, NY

Designed and performed laboratory experiments to optimize detection of vitamin B in fish tissues and eggs. Prepared manuscripts for publication in academic journals and presented posters at relevant symposiums.

Intern

Arnot Research and Teaching Forest

Summer 2016

Van Etten, NY

Collected field data to monitor amphibian and reptile populations in response to various timber harvest practices. Contributed to the development of a citizen science seedling sampling model for use by the NYS Dept. of Environmental Conservation. Provided outreach and extension services for the E.L. Rose Conservancy.

Principle Teacher

Westchester County Parks and Recreation Dept.

Summers 2014-2015

Westchester County, NY

Developed curriculum for outdoor environmental programs for children and youth in elementary, middle, and high schools. Taught environmental programs at various Westchester County Parks including Cranberry Lake Preserve and Muscoot Farm.

PUBLICATIONS

Book Chapter

2020 Tu-Maung, N. (2020) "Spirits and Serpents: Buddhist Prosperity in the Snake Temples of Myanmar," in *Indigenous Future(s) and Learning(s) Taking Place*. Edited by Licho Lopez and Gioconda Coello. Routledge, Oxfordshire, UK.

Peer Reviewed

2020 Tu-Maung, N. (2020), Environmental Learning(s) in Myanmar: Governance, Resistance, and Literacy. *Parami Journal of Education*. Yangon, Myanmar.

2019 Edwards, K. A., Randall, E. A., **Tu-Maung, N.**, Sannino, D. R., Feder, S., Angert, E. R., & Kraft, C. E. (2019). Periplasmic binding protein-based magnetic isolation and detection of thiamine in complex biological matrices. *Talanta*, 205, 120168.

2017 Edwards, K. A., **Tu-Maung, N.**, Cheng, K., Wang, B., Baeumner, A. J., & Kraft, C. E. (2017). Thiamine assays—advances, challenges, and caveats. *ChemistryOpen*, 6(2), 178-191.

Selected Popular Articles

[Wavering at the Turning Point: Myanmar's Response to COVID19 in March 2020](#). Tea Circle. April 2020.

[Myanmar's Earth Champions Raise Awareness About Climate Change](#). Frontier Myanmar. Nov 2019.

[Conserving Wildlife, Preserving Traditions](#). Frontier Myanmar. August 2019.

[Making Kin with Serpents in Myanmar's Snake Temples](#). Edge Effects Magazine. June 2019.

HONORS & AWARDS

- Cal DeWitt Graduate Scholarship** 2018 - 2019
Nelson Institute for Environmental Studies, UW-Madison
Awarded for research on religion and the environment
- President of the Southeast Asia Graduate Research Group** 2018 - 2019
Center for Southeast Asian Studies, UW-Madison
- Foreign Language & Area Studies Graduate Fellowship (FLAS)** 2018-2019 (declined)
U.S. Department of Education 2017 - 2018
Awarded to pursue Southeast Asian area studies and Thai language
- Horacek Fellowship for International Conservation Experiences** 2016 - 2017
Department of Natural Resources, Cornell University
Awarded to participate in conservation research in Pilanesburg, South Africa

INVITED TALKS & CONFERENCES

- Myanmar Agricultural Forum**, Impact Hub, Yangon, Myanmar November 2019
Moderator
- Conformities and Interruptions**, Southeast Asia Conference, Cornell University March 2019
Presenter, "Resilience and Socio-Ecological Relations; A Case Study from the Snake Temples of Myanmar"
- Claiming Space**, Center for History and Environment Conference, February 2019
UW-Madison
Presenter, "Resilience Thinking and Socio-Ecological Relations"
- All Have the Same Breath**, UIC Political Ecologies Working Group, February 2019
Humanities Without Walls, Gallery 400, Chicago, IL
Featured Artist, "Confluence"
- Frank H.T. Rhodes Symposium**, Cornell University October 2016
Panelist, speaker session on Earth and Sustainability

CERTIFICATIONS

- Wisconsin Cooperative Trapper Education Program** 2019
- Collaborative Institutional Training Initiative Program** 2018
Ethical and regulatory protocols for research with human subjects
- New York State Hunter Education Program** 2016

LANGUAGES

Burmese
Native/bilingual proficiency

French
Conversant proficiency

Thai
Basic proficiency