

MARLEE WASSERMAN

PROFESSIONAL EXPERIENCE

Researcher March 2024 – August 2024

Inquinamento e depurazione dell'ambiente Gruppo, Università degli Studi di Udine, Udine, IT

- Developed academic literature in wastewater sludge drying techniques (publication in progress).
- Shadowed researchers in laboratory activities, including wastewater respirometry tests.

Laboratory Research Assistant January 2022 – July 2023

Innovative Energy Technologies for Biofuels, Bioenergy and a Sustainable Irish Bioeconomy Laboratory, University of Galway, Galway, IE

- Operated analytical equipment, collected experimental data, and reviewed literature to assist anaerobic wastewater treatment research.
- Supervised laboratory health and safety, which included initiating a hazardous waste management plan, implementing risk assessment protocols, and offering trainings.
- Evaluated and edited public policy and academic writing documents.

Graduate and Undergraduate Research Assistant December 2018 – July 2021

Sustainable Materials Management Materials Res. Laboratory, University of Florida, Florida, USA

- Managed seven municipal waste composition studies (residential + commercial), including scheduling 100+ workers, analyzing fleet logistics, assessing environment impact of generated waste, and advising government officials on waste practices.
- Quantified state food donations by collecting and analyzing food tonnage data, interviewing stakeholders, and presenting results on behalf of the state environmental department.
- Authored a peer-reviewed publication and five reports for county and state governments.

ADDITIONAL ACTIVITIES

English Tutor April 2024 – Present

Dipartimento Politecnico di Ingegneria e Architettura, Università degli Studi di Udine, Udine, IT

- Assisted students with English pronunciation as well as presentation and conversational skills.

Volunteer Energy Coach October 2019 – February 2020

Community Weatherization Coalition, Florida, USA

- Conducted home inspections, replaced energy inefficient elements, and engaged with residents at community events to increase understanding of how to reduce energy bills.

Teacher, Introduction to Environmental Engineering, May 2019 – July 2019

University of Florida, Florida, USA

- Planned creative environmental themed activities for first year university students in an enthusiastic environment.

CERTIFICATIONS

Italian B1 Exam by University of Udine Centro Linguistico di Ateneo	May 2024
Project Management (CAPM) Exam by Project Management Institute	June 2023
Lab Safety Fundamentals/Biosafety Awareness Training	March 2023
USA Fundamentals of Engineering (Environmental Engineering) Exam	July 2021

EDUCATION

Master of Engineering in Environmental Engineering (with thesis), GPA: 4.0/4.0 May 2021

*Research area: Municipal solid waste management
The University of Florida, Florida, USA*

Bachelor of Science in Environmental Engineering, Minor in Soil and Water Sciences May 2020

*Courses in solid waste management (including LCAs) and GIS
The University of Florida, Florida, USA*

PUBLICATIONS

Peer-Reviewed

Wasserman, M., Anshassi, M., & Townsend, T. G. (2022). Assessing Sample Number Requirements for Municipal Solid Waste Composition Studies. *Journal of Hazardous, Toxic, and Radioactive Waste*, 26(1), 04021038. [https://doi.org/10.1061/\(ASCE\)HZ.2153-5515.0000652](https://doi.org/10.1061/(ASCE)HZ.2153-5515.0000652)

Reports

Townsend, T. G., Anshassi, M., **Wasserman, M.**, & Baylor, C. (2021a). *Report Summary: 2020-2021 Waste Composition Study and Examination of SMM in Alachua County to Measure Mass and Environmental Footprints of the Entire Materials Stream*. University of Florida Sustainable Materials Management Research Laboratory.

Townsend, T. G., Anshassi, M., **Wasserman, M.**, & Baylor, C. (2021b). *State of Practical Review to Assess the Cost and Market Potential for Yard Trash Waste Management Practices in Miami Dade County*. University of Florida Sustainable Materials Management Research Laboratory.

Townsend, T. G., Anshassi, M., **Wasserman, M.**, & Thompson, J. (2020). *Construction and Debris (C&D) Recycling Roadmap*. University of Florida Sustainable Materials Management Research Laboratory.

Townsend, T. G., Laux, S., Behdad, S., **Wasserman, M.**, Anshassi, M., Baylor, C., Zeledon Vallecillo, D., & Hendricks, A. (2020). *State of Food Donation Efforts in Florida*. University of Florida Sustainable Materials Management Research Laboratory.

Townsend, T. G., Laux, S., **Wasserman, M.**, Baylor, C., & Lipovich, A. (2020). *Evaluation & Improvement of Polk County Waste & Recycling Customer Service Request System*. University of Florida Sustainable Materials Management Research Laboratory.