

MARLEE WASSERMAN

PROFESSIONAL EXPERIENCE

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 (ICP-OES, Gallery Plus, GC, TOC), collected experimental data, and reviewed legislative and methodological literature to assist anaerobic wastewater treatment research.
- Supervised laboratory health and safety, initiating a hazardous waste management plan, implementing risk assessment protocols, and offering trainings.
- Organized inventory and procurement, collaborating with the School's procurement team.
- 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 waste composition studies, 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.
- Researched US waste and recycling sector legislation, hauler contracts, literature, and ISO standards.
- Authored a peer-reviewed publication and five reports for county and state governments.

Environmental Scientist Intern

May 2018 - August 2018

Dewberry Engineers Inc., Florida, USA

- Performed environmental monitoring and report writing for government agencies while balancing scientific quality and deadlines in a private engineering company.

ADDITIONAL ACTIVITIES

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.

Director of Environmental Representatives

February 2016 - May 2019

University of Florida Inter-Residence Hall Association, Florida, USA

- Programmed education events, woods clean up initiatives, and established a Sustainability Month.

CERTIFICATIONS

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

University of Florida, Florida, USA

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

May 2020

Courses in water chemistry, wastewater, and solid waste management (including LCAs)

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.