

# 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**

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### **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.