



CV: Orlando M. Viloría-Marimón, M.S.

Orlando M. Viloría-Marimón is a Ph.D. candidate in Environmental and Water Resources Engineering at the University of Georgia, working under the mentorship of Dr. Felix L. Santiago-Collazo. He holds an M.S. in Environmental Engineering and Water Resources (2020) and a B.S. in Environmental Engineering (2017), both from the Universidad Tecnológica de Bolívar in Cartagena, Colombia. With a diverse background, Orlando has gained both academic and consulting experience in Colombia, where he has worked as a professor, a consultant engineer for an environmental agency, and a water resource engineer for consulting companies, specializing in wastewater management and water resources projects.

Orlando has contributed to peer-reviewed publications on hydrology and urban water resources management, with a particular focus on tropical regions. His research has explored the effects of urbanization on peak flows and the analysis of hydrometeorological variables in the Colombian Caribbean. Currently, his work focuses on combining freshwater inundation maps from tropical cyclone rainfall with storm surge maps to model compound flood depths. This innovative approach holds significant potential for enhancing flood resilience in coastal and island communities affected by tropical cyclones.