

# **Targeted and Non-targeted analysis for the screening of PFAS in the aquatic environment.**

Natalia Soares Quinete  
Assistant Professor  
Florida International University



In this talk, a highly sensitive LC-MS/MS and a high throughput online-solid phase extraction method coupled to LC-Orbitrap MS were developed for the targeted and non-targeted analysis of PFAS. The assessment of PFAS levels, composition and trends and the tentative identification of non-traditional monitored PFAS were performed in surface and tap water sources in South Florida. A “naïve” and simple semi-quantitation approach is also proposed based on a global calibration curve to improve the understanding on total PFAS levels in environmental samples, which contributes to improve ecological and health risks assessments associated with PFAS exposure.

Students, meet the speaker after the seminar in a student/postdoc session from 4:45-5:15 pm

Date: Fri, Feb 17, 2023  
Time: 3:30-4:30 pm  
Location: Clark Hall 112