CURRICULUM VITAE

NATALIA SOARES QUINETE

Department of Chemistry and Biochemistry

Florida International University

EDUCATION

Degree	Field	Institution	Dates
PhD.	Analytical Chemistry	Pontifical Catholic University of Rio de Janeiro, Brazil	2006-2010
M.Sc.	Analytical Chemistry	Federal Fluminense University (UFF), Brazil	2003-2005
B.S.	Chemical Engineering	Federal Fluminense University (UFF), Brazil	1998-2003

ACADEMIC & PROFESSIONAL EXPERIENCE

Dates	Position
2025- present	Associate Professor, Chemistry and Biochemistry, Florida International University
2020-2025	Assistant Professor, Chemistry and Biochemistry, Florida International University
2019-2020	Research Scientist, North Carolina State University
2017-2019	Postdoctoral Associate, Florida International University
2013-2017	Research Scientist, Institute and Out-patient Clinic of Occupational Medicine, University Hospital Aachen, Germany
2011-2013	Postdoctoral Associate, Florida International University
2010-2011	Postdoctoral Fellow, National Institute of Technology in Rio de Janeiro, Brazil (INT RJ)
2008-2009	Visiting doctorate student, Wadsworth Center- New York State Department of Health/ SUNY Albany University.
2007-2008	Visiting doctorate student, Johannes Gutenberg Universität, Mainz University and Hessenwasser GmbH & Co., Biebesheim, Germany
2005	Postgraduate research Scholar, National Institute of Technology in Rio de Janeiro, Brazil (INT RJ).
2001-2003	Trainee, ABS Group Services do Brasil Ltda.
2000-2002	Undergraduate Scholar, Brazilian Center for Physical Researches (CBPF)
1999-2000	Undergraduate Scholar, Minerals Technology Center (CETEM), Brazil

PUBLICATIONS IN DISCIPLINE

Journal Articles

2020-present:

*Corresponding author, graduate students double underlined, undergraduate students underlined, postdocs in italic

1. Maria Guerra de Navarro, Mariana Botero, Caidence Brill, Richard Zurbaran, Natalia Quinete (2025). Assessment of particle-bound PFAS in ambient air from a coastal urban environment in South Florida. Journal of Hazardous Materials, Volume 497, 5, 139797. https://doi.org/10.1016/j.jhazmat.2025.139797

2. Kiflom Gebreab, Ariel Lawson, Giancarlos Garcia, Jessica Fox, Daniel Benetti, John D. Stieglitz, **Natalia Soares Quinete** and John P. Berry (2025) Bioconcentration and toxicity of perfluoroalkyl substances (PFAS) in embryonic stages of the ecologically and commercially relevant Olive Flounder (Paralichthys olivaceus), and the zebrafish (Danio rerio) embryo model system. Ecotoxicology. https://doi.org/10.1007/s10646-025-02891-y

3. Joyce M.V. Almeida Dias, Michelle M. Morais, Joao Raul Belinato, Yuri R. Diogo, Patricia Miranda-Pinto, Nadja N.M. Batista, **Natalia Quinete**, Fábio S. Nascimento, Tiago M. Francoy, David De Jong, *Luciana T.D. Cappelini* (2025). Botanical origin and volatile organic compounds contents of bee bread from four Brazilian regions. Next Research, Volume 2, Issue 2, 100341, https://doi.org/10.1016/j.nexres.2025.100341.

4. Courtney Heath, Amy Castaneda, Edward Ornstein, Maria Guerra de Navarro, Brendan McNamee, Sergio Najera, Daniel Calzadilla, **Natalia Quinete*** (2025). Per- and Polyfluoroalkyl Substances (PFAS) Composition and Distribution in Surface Water of the Miccosukee Indian Reservation, Everglades and Tributaries in the Coastal Environment of Miami, Florida. Environ Res. 2025 Apr 15;278:121627. https://doi.org/10.1016/j.envres.2025.121627

5. **Natalia Quinete***, Berrin Tansel, Yelena Katsenovich, Joshua Ocheje, Maria Mendonza Manzano, Zariah Nasir (2025). Leaching profile of per- and polyfluoroalkyl substances from selected e-waste components and potential exposure pathways from discarded components. Journal of Hazardous Materials (accepted)

6. *Luciana Teresa Dias Cappelini,* Olutobi Daniel Ogunbiyi , Vinícius Guimarães Ferreira, Carolina Cuchimaque Lugo, Monica Beatriz Perez, Mymuna Monem, Florence George, Piero Gardinali, Daniel M. Bagner, **Natalia Quinete*** (2024). Monitoring Emerging Contaminants in Soil and Household Dust Samples by Non-Targeted Analysis in the Greater Miami area, Florida. AOAC (Accepted).

7. *Dias Cappelini LT*, Ogunbiyi OD, Guimarães Ferreira V, Monem M, Cuchimaque Lugo C, Perez MB, Gardinali P, George F, Bagner DM, **Quinete N*** (2025). Assessing Variability in Children's Exposure to Contaminants in Food: A Longitudinal Non-Targeted Analysis Study in Miami, Florida. J Xenobiot. 2025 Jan 14;15(1):11. doi: 10.3390/jox15010011. (IF=6.8)

8. Peixoto-Rodrigues MC, Monteiro-Neto JR, Teglas T, Toborek M, **Soares Quinete N**, Hauser-Davis RA, Adesse D (2024). Early-life exposure to PCBs and PFAS exerts negative effects on the developing central nervous system. J Hazard Mater. 485:136832. doi: 10.1016/j.jhazmat.2024.136832. (IF=12.2)

9. Yelena Katsenovich, Berrin Tansel, **Natalia Soares Quinete**, Zariah Nasir, Joshua Omaojo Ocheje, Maria Mendoza Manzano (2024). Leaching profile of per- and polyfluoroalkyl substances (PFAS) from biosolids after thickening, anaerobic digestion, and dewatering processes, and significance of protein, phosphorus, and selected ions. Sci Total Environ. 957, 20: 177777. https://doi.org/10.1016/j.scitotenv.2024.177777. (IF=8.2)

10. Joshua Omaojo Ocheje, Maria Mendoza Manzano, Zariah Nasir, Yelena Katsenovich, Berrin Tansel, Shyam Sivaprasad, **Natalia Quinete*** (2024). Analytical protocol for detection and prioritization of per- and polyfluoroalkyl substances (PFAS) in biosolid leachates. Journal of Water Process Engineering Volume 68, 106546. https://doi.org/10.1016/j.jwpe.2024.106546. (IF=6.3)

11. McDonough CA, Joudan S, **Quinete NS**, Wang X (2024). Transformation of Environmental Contaminants: Uncovering Reaction Mechanisms, Identifying Novel Products, and Understanding Environmental Implications. Environ Toxicol Chem. 43(11):2249-2251. doi: 10.1002/etc.5994. (IF=3.6).

12. Landeweer, S., **Soares Quinete, N**., McDonough, V., Moneysmith, S., Gardinali, P.R. (2024). Prevalence of selected UV filter compounds in Biscayne National Park. Environ Monit Assess 196, 599. https://doi.org/10.1007/s10661-024-12747-3 (IF=2.9)

13. Isabella Randerath, Thomas Schettgen, Julian Peter Müller, Jens Rengelshausen, Susanne Ziegler, **Natalia Quinete**, Jens Bertram, Salah Laieb, Elke Schaeffeler, Andrea Kaifie, Katja S. Just, Aaron Voigt, Roman Tremmel, Matthias Schwab, Julia C. Stingl, Thomas Kraus & Patrick Ziegler (2024). Metabolic activation of WHO-congeners PCB28, 52, and 101 by human CYP2A6: evidence from in vitro and in vivo experiments. Arch Toxicol 98, 3739–3753. https://doi.org/10.1007/s00204-024-03836-w.

14. Batt AL, Brunelle LD, **Quinete NS**, Stebel EK, Ng B, Gardinali P, Chao A, Huba AK, Glassmeyer ST, Alvarez DA, Kolpin DW, Furlong ET, Mills MA (2024). Investigating the chemical space coverage of multiple chromatographic and ionization methods using non-targeted analysis on surface and drinking water collected using passive sampling. Sci Total Environ. 2955:176922. doi: 10.1016/j.scitotenv.2024.176922. (IF=8.2)

15. Maria Guerra de Navarro, Yosmely Reyna, and **Natalia Quinete*** (2024). It's raining PFAS in South Florida: Occurrence of poly- and perfluoroalkyls substances (PFAS) in wet atmospheric deposition from Miami-Dade, South Florida. Atmospheric Research Volume 15, Issue 12, 102302. doi: 10.1016/j.apr.2024.102302 (IF=3.9)

16. *Leila S. Lemos**, Estela Manfrin da Silva, Karen J. Steinman, Todd R. Robeck, **Natalia Quinete***. (2024) Assessment of per- and poly-fluoroalkyl substances and their relationship to physiological biomarkers in aquarium-based bottlenose dolphins and killer whales. Chemosphere 364:143038. doi: 10.1016/j.chemosphere.2024.143038.

17. *Leila S. Lemos**, Amanda DiPerna, Karen J. Steinman, Todd R. Robeck, **Natalia Quinete*.** (2024) Assessment of phthalate esters and physiological biomarkers in bottlenose dolphins (Tursiops truncatus) and killer whales (Orcinus orca). Animals 14(10):1488. doi: 10.3390/ani14101488. (IF=2.7)

18. Berrin Tansel, Yelena Katsenovich, **Natalia Soares Quinete**, Joshua Ocheje, Zariah Nasir, Maria Mendoza Manzano (2024). PFAS in biosolids: accumulation characteristics and fate profiles after land application. J. Environ Manage. 370:122395. doi: 10.1016/j.jenvman.2024.122395. (IF=8.0)

19. Olutobi Daniel Ogunbiyi, *Leila S. Lemos*, Richard P. Brinn and **Natalia Quinete*** (2024). Bioaccumulation Potentials of Per-and poly fluoroalkyl substances (PFAS) in Recreational fisheries: Occurrence, Health risk assessment and Oxidative stress biomarkers in Coastal Biscayne Bay. Environ Res. 263(Pt 2):120128. doi: 10.1016/j.envres.2024.120128.(IF=7.7)

20. Olutobi Daniel Ogunbiyi, *Luciana Teresa Dias Cappelini*, Mymuna Monem, Emily Mejias, Florence George, Piero Gardinali, Daniel M. Bagner, and **Natalia Quinete*** (2024). Innovative non-targeted screening approach using High-resolution mass spectrometry for identification of specific tracers of soil and dust exposure in children. Journal of Hazardous Materials Volume 469, 5 May 2024, 134025 (IF=13.6)

21. Brunelle LD, Batt AL, Chao A, Glassmeyer ST, **Quinete N**, Alvarez DA, Kolpin DW, Furlong ET, Mills MA, Aga DS (2024). De facto Water Reuse: Investigating the Fate and Transport of Chemicals of Emerging Concern from Wastewater Discharge through Drinking Water Treatment Using Non-targeted Analysis and Suspect Screening. Environ Sci Technol. 2024 Jan 22. doi: 10.1021/acs.est.3c07514. (IF-11.4)

22. Ogunbiyi OD, Massenat N, **Quinete N*** (2024). Dispersion and stratification of Per-and polyfluoroalkyl substances (PFAS) in surface and deep-water profiles: A case study of the Biscayne Bay area. Sci Total Environ. 909:168413. doi: 10.1016/j.scitotenv.2023.168413. (IF= 9.8)

23. Randerath, I., **Quinete, N.,** Müller, J.P. et al. Partial dechlorination of 2,4,4'-trichlorobiphenyl (PCB 28) mediated by recombinant human CYP1A2. Arch Toxicol 98, 159–163 (2024). https://doi.org/10.1007/s00204-023-03621-1 (IF=6.1)

24. Javier Rodriguez-Casariego, Alex Mercado-Molina, *Leila Soledade Lemos*, **Natalia Quinete**, Anthony Bellantuono, Mauricio Rodriguez-Lanetty, Alberto Sabat, Jose Eirin-Lopez (2023). Multi-omic characterization of mechanisms contributing to rapid phenotypic plasticity in the coral Acropora cervicornis under divergent environments, Coral Reefs (2023). https://doi.org/10.1007/s00338-023-02446-9 (IF=3.5)

25. Ricardo Cavalcanti Lavandier; Jennifer Arêas; *Leila Soledade Lemos*; Jailson Fulgêncio de Moura; Satie Taniguchi; Rosalinda Montone; **Natalia Soares Quinete***; Rachel Ann Hauser-Davis*; Salvatore Siciliano; Isabel Moreira. Trophic Chain Organochlorine Pesticide Contamination in a Highly Productive Upwelling Area in Southeastern Brazil. International Journal of Environmental Research and Public Health 2023, 20, 6343 . (IF: 4.614)

26. *Leila S. Lemos**, Leo Moreira, Rachel Ann Hauser Davis, **Natalia Quinete*.** Cortisol as a Stress Indicator in Fish: Sampling Methods, Analytical Techniques, and Organic Pollutant Exposure Assessments. Int. J. Environ. Res. Public Health 2023, 20, 6237. https://doi.org/10.3390/ijerph20136237. (IF : 4.614)

27. Ziegler, P., **Quinete, N.**, Bertram, J., Randerath, I., Kraus, T., & Schettgen, T. (2023). Correspondence on "Machine Learning-Assisted Identification and Quantification of Hydroxylated Metabolites of Polychlorinated Biphenyls in Animal Samples". Environmental science & technology, 57(15), 6248–6250. https://doi.org/10.1021/acs.est.3c00660. (IF: 11.357)

28. Olutobi Daniel Ogunbiyi, Timothy O. Ajiboye, Elizabeth O. Omotola, Peter Olusakin Oladoye, Clement Ajibade Olanrewaju and **Natalia Soares Quinete*** (2023). Analytical Approaches for

Screening of Per- And Poly Fluoroalkyl Substances in Food Items: A Review of Recent Advances and Improvements, Environ Pollut 329:121705. doi: 10.1016/j.envpol.2023.121705. (IF: 9.988)

29. *Danni Cui*, *Joseph Cox*, Emily Mejias, Brian Ng, Piero Gardinali, Daniel M. Bagner, **Natalia Quinete*** (2023). Evaluating Non-Targeted Analysis methods for chemical fingerprinting of organic contaminants in different matrices to estimate children's exposure. Journal of Exposure Science and Environmental Epidemiology. Journal of exposure science & environmental epidemiology, 33(4), 589–601. https://doi.org/10.1038/s41370-023-00547-9 (IF: 6.371)

30. Xuerong Li, *Danni Cui*, Brian Ng, Olutobi Daniel Ogunbiyi, Maria Guerra De Navarro, Piero Gardinali, and **Natalia Quinete*** (2023). Non-targeted analysis for the screening and semi-quantitative estimates of Per-and Polyfluoroalkyl substances in water samples from South Florida environments. Journal of Hazardous Materials 452, 131224 (IF:14.22).

31. Anahita Esmaeilian, **Natalia Quinete**, Piero R Gardinali, Kevin O'Shea (2023). The effects of soil properties and sorbent amendments on immobilization of perfluorooctane sulfonate (PFOS) in contrasting soils: Experimental and Numerical study. Journal of Environmental Chemical Engineering, 109509 (in press). https://doi.org/10.1016/j.jece.2023.109509 (IF:7.968)

32. Gabrielle P. Black, Charles Lowe, Tarun Anumol, Jessica Bade, Kristin Favela, Christine M. Fisher, Yong-Lai Feng, Ann M. Knolhoff, Andrew D. McEachran, Jamie Nunez, Katherine T. Peter, **Natalia Quinete**, Jon Sobus, Eric M. Sussman, William Watson, Antony J. Williams, Samanthi Wickramesekara, and Thomas M. Young. Exploring Chemical Space in Non-Targeted Analysis: A Proposed ChemSpaceTool. Analytical and Bioanalytical Chemistry. Accepted. (IF: 4.478)

33. Chirikona, Flora, **Natalia Quinete,** Jesleen Gonzalez, Gershom Mutua, Selly Kimosop, and Francis Orata. (2022). "Occurrence and Distribution of Per- and Polyfluoroalkyl Substances from Multi-Industry Sources to Water, Sediments and Plants along Nairobi River Basin, Kenya" International Journal of Environmental Research and Public Health 19, no. 15: 8980. https://doi.org/10.3390/ijerph19158980 (IF: 4.614)

34. Xuerong Li, Morgan Fatowe, *Leila Soledade Lemos*, **Natalia Quinete*** (2022). Spatial Distribution of Per-and Polyfluoroalkyl Substances (PFAS) in Waters from Central and South Florida. Environmental Science and Pollution Research. DOI: 10.1007/s11356-022-21589-w. (IF: 5.190)

35. *Danni Cui*, Melissa Ricardo, **Natalia Quinete*** (2022). A novel report on phthalates levels in Biscayne Bay surface waters and drinking water from South Florida. Marine Pollution Bulletin, Volume 180, 2022, 113802. (IF: 7.001)

36. Yunhee Ji, Mahsa Karbaschi, Abdulhadi Abdulwahed, **Natalia S. Quinete,** Mark D. Evans, Marcus S. Cooke. A High-Throughput Comet Assay Approach for Assessing Cellular DNA Damage. J Vis Exp, 183:10.3791/63559. doi: 10.3791/63559. (IF: 1.36)

37. *Leila Lemos**, Laura Gantiva, Catherine Kaylor, Alessandra Sanchez, **Natalia Quinete*** (2022) American oysters as bioindicators of emerging organic contaminants in Florida, United States, Science of The Total Environment, 2022, 155316, https://doi.org/10.1016/j.scitotenv.2022.155316. (IF: 10.753)

38. **Natalia Quinete*,** Bowen Du, Edward Furlong, Benjamin Place, Elin M. Ulrich, Tarun Anumol (2022). Special Section: Advances in Methodology and Applications of Nontargeted Analysis in

Environmental Monitoring. Environmental Toxicology and Chemistry, https://doi.org/10.1002/etc.5253. (IF: 4.218)

39. Travon Cooman, Brianna Hoover, Brianna Sauvé, Sadie A. Bergeron, **Natalia Quinete,** Piero Gardinali, Luis E. Arroyo (2022). The metabolism of valerylfentanyl using human liver microsomes and zebrafish larvae. Drug Test Anal; 1- 14. doi:10.1002/dta.3233. (IF: 3.234)

40. Cesar Ramirez, **Natalia Quinete***, Luisa Rojas de Astudillo, Luis E. Arroyo-Mora, Douglas Seba, Piero Gardinali (2022). Elemental composition of airborne particulate matter from coastal South Florida area influenced by African dust events. Aeolian Research, volume 54, 100774. (IF:3.988)

41. Myat Thandar Aung, Kyle K Shimabuku, **Natalia Soares Quinete**, Joshua P Kearns (2022). Leveraging DOM UV absorbance and fluorescence to accurately predict and monitor short-chain PFAS removal by fixed-bed carbon adsorbers, Water Research, 213, 118146. (IF:13.4)

42. Li X., Fatowe M., *Cui D.*, **Quinete, N*** (2022). Assessment of per- and polyfluoroalkyl substances in Biscayne Bay surface waters and tap waters from South Florida. Science of The Total Environment, volume 806, part 1, 150393. https://doi.org/10.1016/j.scitotenv.2021.150393. (IF: 10.753)

43. Benjamin J Place, Elin M Ulrich, Jonathan K Challis, Alex Chao, Bowen Du, Kristin Favela, Yong-Lai Feng, Christine M Fisher, Piero Gardinali, Alan Hood, Ann M Knolhoff, Andrew D McEachran, Sara L Nason, Seth R Newton, Brian Ng, Jamie Nuñez, Katherine T Peter, Allison L Phillips, **Natalia Quinete**, Ryan Renslow, Jon R Sobus, Eric M Sussman, Benedikt Warth, Samanthi Wickramasekara, Antony J Williams (2021). An Introduction to the Benchmarking and Publications for Non-Targeted Analysis Working Group, Analytical Chemistry 93 (49), 16289-16296. (IF: 8.008)

44. Brian Ng, **Natalia Quinete*,** Piero Gardinali (2021). Differential Organic Contaminant Ionization Source Detection and Identification in Environmental Waters by Non-targeted Analysis. Environmental Toxicology and Chemistry. https://doi.org/10.1002/etc.5268. (IF: 4.218)

45. Lugo Charriez K., *Lemos L.S.*, Carrazana Y., Rodriguez-Casariego J.A. , Eirin-Lopez J.M., Hauser-Davis R.A., Gardinali P., **Quinete N*** (2021). Application of an Improved Chloroform-Free Lipid Extraction Method to Staghorn Coral (*Acropora cervicornis*) Lipidomics Assessments, Bulletin of Environmental Contamination & Toxicology. https://doi.org/10.1007/s00128-020-03078-3. (IF: 2.15)

46. Brian Ng, **Natalia Quinete***, Stephanie Maldonado, Kathleen Lugo, Julian Purrinos, Henry Briceño, Piero Gardinali (2021). Understanding the occurrence and distribution of emerging pollutants and endocrine disruptors in sensitive coastal South Florida Ecosystems, Science of The Total Environment, volume 757, 143720. https://doi.org/10.1016/j.scitotenv.2020.143720. (IF: 10.753)

47. **Quinete, N.*,** Hauser-Davis, R.A (2021). Drinking water pollutants may affect the immune system: concerns regarding COVID-19 health effects. Environ Sci Pollut Res 28(1):1235-1246. https://doi.org/10.1007/s11356-020-11487-4. (IF: 5.190)

48. Rachel Ann Hauser-Davis, Isabella C. Bordon, Kurunthachalam Kannan, Isabel Moreira, **Natalia Quinete*** (2020). Perfluoroalkyl substances associations with morphometric health indices in three fish species from differentially contaminated water bodies in Southeastern Brazil, Environmental Technology & Innovation, Volume 21, 101198. (IF:7.758)

49. T. Idda, C. Bonas, J. Hoffmann, J. Bertram, **N. Quinete**, T. Schettgen, A. Esser, T. Kraus & P. Ziegler (2020). Metabolic activation and toxicological evaluation of polychlorinated biphenyls in Drosophila melanogaster. Sci Rep 10, 21587 (2020). https://doi.org/10.1038/s41598-020-78405-z (IF: 4.996)

50. **Natalia Quinete*,** Rachel Ann Hauser-Davis, *Leila S. Lemos*, Jailson F. Moura, Salvatore Siciliano, Piero R. Gardinali (2020). Occurrence and tissue distribution of organochlorinated compounds and polycyclic aromatic hydrocarbons in Magellanic penguins (*Spheniscus magellanicus*) from the southeastern coast of Brazil. Science of The Total Environment 749, 141473. (IF: 10.753)

51. *D. Cui*, X. Li, **N. Quinete*** (2020). Occurrence, fate, sources and toxicity of PFAS: What we know so far in Florida and major gaps, Trends Anal. Chem. Volume 130:115976. (IF:14.908)

52. A. Henderson, B. Ng, S. Landeweer, **N. Quinete,** and P.Gardinali (2020). Assessment of Sucralose, Caffeine and Acetaminophen as anthropogenic tracers in aquatic systems across Florida. Bulletin of Environmental Contamination and Toxicology 105 (3), 351-357. (IF: 2.15)

53. A M Abdullah; **Natalia Soares Quinete;** Piero Gardinali; Kevi O'Shea (2020). Investigation of ultrasonically induced degradation of tris (2-chloroethyl) phosphate in water. ASCE's Journal of Environmental Engineering 146 (10), 04020117. (IF: 1.657)

Prior to current appointment:

54. Brian Ng, **Natalia Quinete*,** Piero Gardinali (2019). Assessing accuracy, precision and selectivity using quality controls for non-targeted analysis. Science of The Total Environment, volume 713, 136568. (IF: 10.753)

55. Gaum PM, Gube M, Esser A, Schettgen T, **Quinete N**, Bertram J, Putschögl FM, Kraus T, Lang J. Depressive Symptoms After PCB Exposure: Hypotheses for Underlying Pathomechanisms via the Thyroid and Dopamine System (2019). Int J Environ Res Public Health. 2019 Mar 16;16(6):950. doi: 10.3390/ijerph16060950. PubMed PMID: 30884813; PubMed Central PMCID: PMC6466013. (IF:4.614)

56. S. Stickel, S. Eickhoff, T.W. Goecke, F. Schneider, **N.S. Quinete**, J. Lang, U. Habel, N. Chechko, (2019). Cumulative cortisol exposure in the third trimester correlates with postpartum mothers' neural response to emotional interference, Biological Psychology, Volume 143, Pages 53-61. (IF:3.111)

57. Vasko T, Hoffmann J, Gostek S, Schettgen T, **Quinete N**, Preisinger C, Kraus T, Ziegler P (2018). Telomerase gene expression bioassays indicate metabolic activation of genotoxic lower chlorinated polychlorinated biphenyls. Scientific Reports 8, Article number: 16903. (IF: 4.996)

58. Lavandier R, Arêas J, **Quinete N**, de Moura JF, Taniguchi S, Montone R, Siciliano S, Hauser-Davis, R.A, Moreira I (2018). PCB and PBDE contamination in Tursiops truncatus and Stenella

frontalis, two data-deficient threatened dolphin species from the Brazilian coast. Ecotoxicology and Environmental Safety 167, 485-493. (IF:7.129)

59. Villar GV, **Quinete N***, Gardinali PR (2018). Using Polydimethylsiloxane (PDMS) Pellets to Create an Absorption Model for the Determination of Equilibrium Concentrations of Dissolved Contaminants in the Aquatic Environment. Bulletin of Environmental Contamination and Toxicology 101(3):349-357. (IF: 2.15)

60. Herr RM, Barrech A, Gündel H, Lang J, **Quinete NS**, Angerer P, Li J (2017) Effects of Psychosocial Work Characteristics on Hair Cortisol – Findings from a Post-trial Study. Stress 20 (4), 363-370. (IF: 3.493)

61. **Quinete N*,** Esser A, Kraus T, Schettgen T (2017). PCB 28 metabolites elimination kinetics in human plasma on a real case scenario: Study of hydroxylated polychlorinated biphenyl (OH-PCB) metabolites of PCB 28 in a highly exposed German Cohort. Toxicology Letters 276, 100-107. (IF: 4.372)

62. **Quinete N*,** Esser A, Kraus T, Schettgen T (2016). Determination of hydroxylated polychlorinated biphenyls (OH-PCBs) in human urine in a highly occupationally exposed German cohort: New prospects for urinary biomarkers of PCB exposure. Environment International 97, 171-179. (IF:13.352)

63. Ziegler S, Schettgen T, Beier F, Wilop S, **Quinete N**, Esser A, Kharabi B, Ferreira M, Vankann L, Uciechowski P, Rink L, Kraus T, Brümmendorf TH, Ziegler P (2016). Accelerated telomere shortening in peripheral blood lymphocytes after occupational polychlorinated biphenyls exposure. Arch Toxicol. 2017 Jan;91(1):289-300. DOI: 10.1007/s00204-016-1725-8. (IF: 6.168)

64. Lavandier R, Arêas J, **Quinete N***, de Moura JF, Taniguchi S, Montone R, Siciliano S, Moreira I (2016). PCB and PBDE levels in a highly threatened dolphin species from the Southeastern Brazilian coast. Environ Pollut. 208 (Part B), 442-449. doi: 10.1016/j.envpol.2015.10.013. (IF: 9.988)

65. Lavandier R, Arêas J, Dias PS, Taniguchi S, Montone R, de Moura JF, **Quinete N,** Siciliano S, Moreira I (2015). An assessment of PCB and PBDE contamination in two tropical dolphin species from the Southeastern Brazilian coast. Mar Pollut Bull. 101(2), 947-53. (IF: 7.001)

66. **Quinete, N*,** Kraus T, Belov VN, Aretz C, Esser A, Schettgen T (2015). Fast determination of hydroxylated polychlorinated biphenyls in human plasma by online solid phase extraction coupled to liquid chromatography-tandem mass spectrometry. Anal Chim Acta. 888, 94–102. (IF:6.911)

67. **Quinete, N*;** Bertram, J; Reska, M; Lang, J; Kraus, T. (2015). Highly selective and automated online SPE LC-MS3 method for determination of cortisol and cortisone in human hair as biomarker for stress related diseases. Talanta 134, 310-316. (IF:6.556)

68. **Quinete, N*;** Schettgen, T; Bertram; Kraus, T. (2014). Occurrence and distribution of PCB metabolites in blood and their potential health effects in humans: a review. Environmental Science and Pollution Research 21 (20), 11951-11972. (IF: 5.190)

69. **Quinete, N*;** Schettgen, T; Bertram; Kraus, T. (2014) Analytical approaches for the determination of PCB metabolites in blood: a review. Analytical and Bioanalytical Chemistry 406 (25), 6151-6164. (IF: 4.478)

70. **Quinete N*,** Castro J, Fernandez A, Zamora-Ley IM, Rand GM, Gardinali PR. (2013). Occurrence and distribution of endosulfan in water, sediment, and fish tissue: An ecological assessment of protected lands in south Florida. J Agric Food Chem. 61(49), 11881-11892. (IF: 5.895)

71. Sudha Rani Batchu, **Natalia Quinete**, Venkata Reddy Panditi and Piero R. Gardinali. (2013). Online solid phase extraction liquid chromatography tandem mass spectrometry (SPE-LC-MS/MS) method for the determination of Sucralose in reclaimed and drinking waters and its photo degradation in natural waters from South Florida. Chemistry Central Journal. 7(1), 1-16. (IF: 4.215)

72. **Quinete, N*;** Wang, J; Fernandez, A; Castro, J; Gardinali, PR. (2013). Outcompeting GC for the detection of legacy chlorinated pesticides: online-SPE UPLC APCI/MSMS detection of endosulfans at part per trillion levels. Analytical and Bioanalytical Chemistry 405 (18), 5887-5899. (IF: 4.478)

73. Menzies R, **Soares Quinete N**, Gardinali P, Seba D. (2013). Baseline occurrence of organochlorine pesticides and other xenobiotics in the marine environment: Caribbean and Pacific collections. Marine Pollution Bulletin 70 (1-2), 289-295. (IF: 7.001)

74. Lavandier, Ricardo; **Quinete, Natalia** ; Hauser-Davis, Rachel Ann ; Dias, Patrick Simões; Taniguchi, Satie ; Montone, Rosalinda ; Moreira, Isabel (2013). Polychlorinated biphenyls (PCBs) and Polybrominated Diphenyl ethers (PBDEs) in three fish species from an estuary in the southeastern coast of Brazil. Chemosphere (Oxford), v. 90, p. 2435-2443. (IF: 8.943)

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77. **Quinete, N.*;** Orata, F.; Maes, A.; Gehron, M. Bauer, K.H.; Moreira, I.; Wilken, R.D (2010). Degradation Studies of New Substitutes for Perfluorinated Surfactants. Archives of Environmental Contamination and Toxicology 59 (1), 20- 30. (IF: 3.692)

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Proceedings

1. Nicole Díaz Padín, Concepción Rodríguez Fourquet, Yuleika Martínez Castillo, Piero Gardinali, **Natalia Soares Quinete** (2019). Cuantificación de los ftalatos en los sedimentos de la Reserva Natural Humedal Punta Tuna en Maunabo, Puerto Rico. Primer Congreso Manglares de América, Ecuador, BIOLOGÍA Y ECOLOGÍA, Pags 112-123 ISSN 2600-5891

2. Natalia Quinete*. Advances in Methodologies and Applications of Non-Targeted Analysis for PFAS. (2023), Global Meetings, Group News, Session Summaries, SETAC Pittsburgh, Volume 24 Issue 1. https://globe.setac.org/methodologies-applications-non-targeted-analysis-pfas/

Book Chapters

1. Olutobi Daniel Ogunbiyi, Maria Eugenia Guerra Navarro, Courtney Heath, Joshua Ocheje, *Luciana Cappelini*, and **Natalia Quinete**. Prioritization of Emerging Pollutants Used for Fingerprinting Specific Water Sources. In: Zandaryaa, S., Fares, A., Eckstein, G. (eds) Emerging Pollutants. Advances in Water Security. Springer, Cham. https://doi.org/10.1007/978-3-031-71758-1_20

2. **Natalia Quinete**, Rob Menzies, Yang Ding, and Douglas Seba. Assessment of Lead, Cadmium and Mercury in Coastal aquatic environments in South Florida and Abroad: Identification of anthropogenic and natural sources in surface waters. In: Hauser-Davis RA, **Quinete NS**, *Lemos SL.* (eds.) Lead, Mercury, and Cadmium in the Aquatic Environment: Worldwide Occurrence, Fate, and Toxicity. Submitted to CRC Press, Taylor & Francis Group, LLC.

3. **Natalia Quinete**, Joffre Castro, Ingrid Zamora-Lay, Adolfo Fernandez, Gary Rand and Piero Gardinali. Development of a Management Tool for Environmental Assessment of Organo-nitrogen Pesticides in Surface Water from Everglades and Biscayne National Parks and Big Cypress National Preserve, South Florida, USA. In: Ecotoxicology: Perspectives on Key Issues. 1st edition, Springer, 2018.

4. Salvatore Siciliano, Jailson F. Moura, Davi C. Tavares, Helena A. Kehrig, Rachel H. Davis, Isabel Maria N. da Silva Moreira, Ricardo Lavandier, Leila Lemos, Renata Emin-Lima and **Natalia S. Quinete**. Legacy contamination in estuarine dolphin species from the South American coast. In: Marine Mammal Ecotoxicology: impacts of multiple stressors on population health. 1st edition, Elsevier, 2018.

5. Elba dos Santos de Oliveira, Marta de Melo da Silva, Izabela Miranda de Castro, Eliane Pádua Oliveira, Ricardo Erthal Santelli, Daniella Rodrigues Fernandes, Delmo Santiago Vaitsman, **Natalia Soares Quinete**, André de Souza Avelar. The Agriculture Effect on Water Quality of a Watershed in Mata Atlântica Rain Forest, Teresópolis – RJ. In: Biodiversity and land use systems in the fragmented Mata Atlântica of Rio de Janeiro. 1st ed. Göttingen, Cuvillier Verlag, 2009.

PRESENTATIONS AND LECTURES

Invited University and Institutional Presentations (all with N.S. Quinete as presenter)

2025. Natalia Soares Quinete (speaker). Investigating PFAS occurrence, fate and sources in the aquatic environment: A Case Study of Biscayne Bay, in South Florida. Seminar at the Florida Atlantic University (FAU), April 4, 2025, Boca Raton, FL.

2025. Natalia Soares Quinete (speaker). Evaluating non-targeted analysis methods for screening and prioritization of organic contaminants in different matrices to estimate soil and dust ingestion exposure in children. Seminar at the Triangle Area Mass Spectrometry (TAMS), March 5, 2025, Durham, NC.

2025. Advancing PFAS Science using innovative and comprehensive analytical approaches. Biomolecular Sciences Institute (BSI) Seminar, February 11, 2025, Florida International University, Miami, FL.

2024. Investigating PFAS occurrence, fate and sources in the aquatic environment: A Case Study of Biscayne Bay, in South Florida. Seminar, October 17, 2024, at Ohio Northern University, Ada, Ohio.

2024. Department of Chemistry, University of Miami, Miami, Florida (February 9, 2024). "Overview of phthalates levels in South Florida aquatic environment: what we know and the risks."

2024. Department of Environmental Engineering, University of California, Irvine-UCI (February 2, 2024). "Beyond the traditional targeted analysis approach: Evaluating PFAS in the environment by Non-Targeted Analysis."

2023. Universidade Federal de Alagoas-UFAL, Maceio, Alagoas, Brazil (December 29, 2023). "Targeted and Non-targeted analysis for PFAS characterization in surface water from South Florida."

2023. Health Canada, Ottawa, Canada (September 27, 2023). "Non-Targeted Analysis methods for chemical fingerprint of organic contaminants in different matrices to estimate children's exposure."

2023. Florida Water Environment Association (FWEA) Biosolids Seminar, Clearwater, FL.(14th September 2023). "Characterization of Per- and Polyfluoroalkyl Substances (PFAS) in Biosolids."

2023. Department of Chemistry, West Virginia University, Morgantown, West Virginia (February 17th, 2023). "Targeted and Non-targeted analysis for the screening of PFAS in the aquatic environment."

2023. Department of Public Health, Florida International University, Miami, FL (Spring 2023). "Assessing forever chemicals in South Florida environments and potential environmental and human health risks: Should we be concerned?"

2023. Firefighter Cancer Initiative January Seminar Series, University of Miami, Miami (Jan 18th, 2023). Natalia Soares Quinete & Alberto Caban -Martinez. " Evaluation of a non-invasive method to measure per- and polyfluoroalkyl substances (PFAS) exposure in firefighters."

2022. Morehouse School of Medicine, Frontiers in Environmental Science and Health, Atlanta, Georgia (June 7, 2022). "Screening for emerging per-and polyfluoroalkyl substances (PFAS) in tap and surface waters from South Florida: Should we be concerned?".

2022. Morehouse School of Medicine, Frontiers in Environmental Science and Health, Atlanta, Georgia (June 6, 2022). "Concerns regarding exacerbated COVID-19 health effects due to exposure to common drinking water pollutants"

Invited talks at Conferences (all with N.S Quinete as presenter)

2025. Natalia Soares Quinete (speaker). Evaluating the effects of irradiation dose, PFAS concentration, and water matrices on PFAS degradation by e-beam. American Chemical Society (ACS) Spring 2025, March 23-27, 2025, San Diego, CA.

2025. Natalia Soares Quinete (speaker). Assessment of PFAS in atmospheric particulate matter in South Florida and human health risk implications. American Academy of Environmental Medicine (AAEM), February 13-16, 2025, San Antonio, Texas.

2025. Natalia Soares Quinete (speaker), Yelena Katsenovich (speaker) and Berrin Tansel. Leaching and Accumulation Characteristics of Per- and Polyfluoroalkyl Substances (PFAS) in Biosolids After Thickening, Anaerobic Digestion, and Dewatering. 2025 Florida Water Environment Association (FWEA) - South Florida Chapter Technical Seminar PFAS in Water and Wastewater Sectors: Solutions for a Healthier Tomorrow, January 29, 2025, Miami, FL.

2024. Natalia Soares Quinete (speaker). Combining Target and Non-Targeted Approaches for PFAS characterization in recreational fisheries. 20th Annual Workshop on Emerging HRMS and LC-MS/MS Applications in Environmental Analysis and Food Safety, 7-9 October 2024, Barcelona, Spain.

2024. Natalia Quinete (speaker). Partitioning and fate profiles of per- and polyfluoroalkyl substances (PFAS) in biosolids: Differences in biosolids quality between two treatment plants. 2024 FWEA Biosolids Seminar, July 18th, 2024, Miami, FL.

2024. Natalia Soares Quinete (speaker). Overview of PFAS in Aquatic Environments: What We Know So Far and Major Gaps. PFAS Forum IV, May 28-30, 2024, Orlando, FL.

2024. Natalia Soares Quinete (panel speaker). Overview of PFAS in Biscayne Bay ecosystem: What we know so far. 2024 Biscayne Bay Marine Health Summit, May 20, 2024, Miami, FL.

2024. Natalia Soares Quinete (speaker). Prevalence of PFAS in Recreational Fisheries from Coastal Biscayne Bay: Bioaccumulation and Health Risk Implications. 37th Southern Section AOAC Annual Conference, April 2-3, 2024, Atlanta, GA.

2024. Natalia Soares Quinete (speaker), Olutobi Daniel Ogunbiyi (speaker). Overview of Current Analytical Approaches for PFAS Screening in Food Items. The PFAS Summit 2024: A Virtual Symposium, March 26-27, 2024, LGGC International.

2023. Natalia Soares Quinete (speaker). Beyond the traditional targeted approach: Developing a Non-Targeted Analysis workflow for the comprehensive screening of PFAS in surface and drinking water from South Florida. DoD Energy & Environment Innovation Symposium. Session: Understanding PFAS in the Environment: Sampling, Analysis, and Transport, November 29, 2023, Arlington, VA.

2023. Natalia Soares Quinete (speaker). Overview of PFAS in South Florida aquatic environments: what we know so far and major gaps. 19th Annual Workshop on Emerging HRMS and LC-MS/MS Applications in Environmental Analysis and Food Safety, 24-25th September 2023, Buffalo, NY.

2023. Natalia Soares Quinete (speaker). Evaluating Non-Targeted Analysis methods for comprehensive screening and identification of specific organic chemical tracers in soil and dust to estimate children's exposure. International Society of Exposure Science (ISES), 27-31 August 2023, Chicago, IL.

2023. Natalia Soares Quinete (speaker). Assessing forever chemicals in South Florida aquatic environments and potential environmental and human health risks. UNESCO - IWRA Online Conference on Emerging Pollutants: Protecting Water Quality for Human and Environmental Health, Jan 17-19th, 2023.

2022. Natalia Soares Quinete (speaker). Chemical Space Visualization for Non-Targeted Analysis via Kendrick Mass Defect plots and Van Krevelen diagrams: understanding the benefits and limitations. 18th Annual workshop on Emerging High-Resolution Mass Spectrometry (HRMS) And LC-MS/MS Applications in Environmental Analysis and Food Safety, 10-11 October 2022, Barcelona, Spain.

2022. Natalia Soares Quinete (speaker). Assessing forever chemicals in S. Florida environments: Should we be concerned? Analytical Technologies Seminar and Mobile Lab Tour Perkin Elmer, Miami, FL, March 15, 2022.

2021. Natalia Quinete (speaker). Assessing forever chemicals in South Florida environments: Should we be concerned? 2021 Virtual Symposium on Environmental Governance and Ecological Restoration (SEGER 2021), December 3, 2021 | Virtual.

2020 Natalia Soares Quinete (speaker), *Leila Soledade Lemos*, Kathleen Lugo Charriez, Yailee Carrazana, Javier A. Rodríguez-Casariego, Jose M. Eirin-Lopez, Piero Gardinali. Application of a chloroform-free lipid extraction method to Staghorn Coral (Acropora Cervicornis) Lipidomics assessments. 16th annual Workshop on Emerging High-Resolution Mass Spectrometry (HRMS) and LC-MS/MS Applications in Environmental Analysis and Food Safety, Online, 15-16 October 2020.

2018 Natalia Quinete (speaker), Douglas Seba and Piero Gardinali. The Impact of Steroid Hormones, Pharmaceuticals, and Personal Care Products in Surface Waters and Their Potential Endocrine Disruptor Effect in Humans, Including Microbiome, And Aquatic Organisms. American Academy of Environmental Medicine (AAEM) 2018 Falls meeting on Microbiome: The Environment, Genetics and Disease, October 5 - 7, Westmister, Colorado, USA.

Presentations at Scientific Meetings (2020-present)

(graduate students double underlined, undergraduate students underlined, postdocs in italic)

2025. Carolina Cuchimaque Lugo and **Natalia Quinete**. Validation of a Method for Assessing Per- and Polyfluoroalkyl Substances (PFAS) in Human Serum from South Florida (USA) Populations Using Online SPE-LC-MS/MS. SETAC Europe 35th Annual Meeting, 11-15 May 2025, Vienna, Austria.

2025. Andy Distrubell, Jennifer Rehage, **Natalia Quinete**, W. Ryan James & Rolando Santos. Understanding the Extent of PFAS Contamination in Red Drum across 9 Florida Estuaries. Florida Chapter of the American Fisheries Society 2025 meeting in St. Augustine, FL.

2025. Maria Guerra de Navarro (speaker) and **Natalia Soares Quinete.** Assessment of per- and polyfluoroalkyl substances (PFAS) by online SPE-LC-HESI-MS/MS in wastewater samples. SETAC Southeastern Region, 24-25 April 2025, Virtual Annual Meeting.

2024. Rodrigo A. Restrepo-Osorio, Maria E. Guerra de Navarro, Claude-Bernard Paultre, **Natalia S. Quinete**, Kevin E. O'Shea, Michael J. Bentel, Soryong R. Chae. A Novel Redox Material (FeSO3) for Efficient and Rapid Treatment of Concentrated PFAS Matrices. DoD Energy and Environment Innovation Symposium. Washington, DC. December 2nd-6th, 2024. Poster presentation.

2024. Andy Distrubell, William Ryan James, Rolando Santos, Jennifer S Rehage and **Natalia Soares Quinete.** Understanding the Extent of PFAS Contamination in Red Drum (Sciaenops ocellatus) Across 9 Florida Estuaries. 45th SETAC North America, 20-24 October 2024, Fort Worth, Texas.

2024. Olutobi Daniel Ogunbiyi, *Luciana Cappelini*, Mymuna Monem, Monica Perez, Florence George, Piero Gardinali, Daniel Bagner and **Natalia Soares Quinete.** Longitudinal Assessment of Organic Chemicals and Prioritization of Chemical Tracers in Drinking water from Miami, South Florida by Non-Targeted Analysis. 45th SETAC North America, 20-24 October 2024, Fort Worth, Texas.

2024. Carolina Cuchimaque and **Natalia Soares Quinete.** Spatial Distribution and Correlation of Per- and Polyfluoroalkyl Substances (PFAS) in Drinking Water from Miami-Dade and Palm Beach in South Florida. 45th SETAC North America, 20-24 October 2024, Fort Worth, Texas.

2024. *Luciana Cappelini,* Olutobi Daniel Ogunbiyi, Vinícius Guimarães Ferreira, Emily Mejias, Monica Perez, Piero Gardinali, Daniel Bagner and **Natalia Soares Quinete.** Monitoring Emerging Contaminants in Soil and Household Dust Samples in the Miami-Dade, Florida Region. . 45th SETAC North America, 20-24 October 2024, Fort Worth, Texas.

2024. Joshua Omaojo Ocheje, Maria Karla Mendoza Manzano, Yelena Katsenovich, Berrin Tansel and **Natalia Soares Quinete.** Assessment of Types and Levels of Per- and Polyfluoroalkyl Substances (PFAS) in Electronic Waste. 45th SETAC North America, 20-24 October 2024, Fort Worth, Texas.

2024. Maria Karla Mendoza Manzano and **Natalia Soares Quinete.** Method Development and Validation for the Analysis of Emerging Organic Contaminants (EOCs) in Water. 45th SETAC North America, 20-24 October 2024, Fort Worth, Texas.

2024. Maria Guerra de Navarro (speaker) and **Natalia Soares Quinete.** Advanced Monitoring and Assessment Approaches for Improved Treatment of Contaminants of Emerging Concern and PFAS in Wastewater. 45th SETAC North America, 20-24 October 2024, Fort Worth, Texas.

2024. Grace Eberechi Obiyo, **Natalia Soares Quinete** and Jeremy J. Kiszka. Per- and Polyfluoroalkyl Substances (PFAS) in Small Cetaceans Used for Human Consumption in St. Vincent and the Grenadines, Eastern Caribbean. 45th SETAC North America, 20-24 October 2024, Fort Worth, Texas.

2024. Courtney Health, **Natalia Quinete**. Presence and Quantification of Per- and Polyfluoroalkyl Substances (PFAS) in Marshes and Canals of the Miccosukee Reservation (Florida, USA). 20th Annual Workshop on Emerging HRMS and LC-MS/MS Applications in Environmental Analysis and Food Safety, 7-9 October 2024, Barcelona, Spain.

2024 Joshua Omaojo Ocheje,**.** Konstantinos Kavallieratos, Yelena Katsenovich, Praveen K. Thallapally, Anmanuel Perez, **Natalia Quinete**. Development of multifunctional MOFs for remediation of PFAS-

impacted groundwater. 3rd Annual Achievement Awards Workshop (EM-MSIPP), August 6-7, 2024, Augusta, GA.

2024. Anmanuel Perez, Joshua O. Ocheje, Yelena Katsenovich, **Natalia Soares Quinete**, Praveen K. Thallapally, Konstantinos Kavallieratos. Fluoroaryl Carboxamide and Sulfonamide Ligands as MOF Building Blocksfor Selective Capture and Sensing of PFAS. 3rd Annual Achievement Awards Workshop (EM-MSIPP), August 6-7, 2024, Augusta, GA.

2024. Guerra Navarro, M. E., Restrepo, R., Paultre, C.-B., O'Shea, K., Bentel, M., Chae, S. R., & **Soares Quinete, N**. Target and non-target assessment of PFAS degradation studies. SERDP & ESTCP PFAS Project Meeting, July 23–27, 2024, Long Beach, CA.

2024. Rodrigo A. Restrepo-Osorio, Claude-Bernard Paultre, Maria E. Guerra de Navarro, **Natalia S. Quinete**, Michael J. Bentel, Soryong R. Chae, and Kevin E. O'Shea. Project # ER22-3345: Effect of FeSO3 on the ultrasound-mediated degradation of PFOA, PFOS and 6:2 FTS. SERDP & ESTCP Project Meeting. July 23–27, 2024, Long Beach, CA.

2024. Olutobi Daniel Ogunbiyi, Richard P. Brinn and **Natalia Soares Quinete**. Application of LC-Orbitrap-HRMS and LC-TIMS-qTOF as a complementary approach for non-targeted screening of novel Per-and polyfluoroalkyl substances (PFAS) in recreational fisheries. 33rd International Conference on Ion Mobility Spectrometry, July 22-25, 2024, Miami, FL.

2024. Joshua Ocheje, Maria Mendonza Manzano, Zaraih Nasir, Yelena Katsenovich, Berrin Tansel, **Natalia Quinete**. Development of a sensitive method for the determination of Per and Poly-fluoroalkyl substances (PFAS) in Biosolid leachates. North American Chemical Residue Workshop (NACRW), July 15- 17, 2024, Fort Lauderdale, FL.

2024. Courtney Heath and **Natalia Soares Quinete**. Presence and Quantification of Per- and Polyfluoroalkyl Substances (PFAS) in Marshes and Canals of the Miccosukee Reservation, FL. North American Chemical Residue Workshop (NACRW), July 15- 17, 2024, Fort Lauderdale, FL.

2024. Carolina Cuchimaque Lugo and **Natalia Soares Quinete**. Assessment of per- and poly-fluoroalkyl substances (PFAS) in tap waters from Miami-Dade & Palm Beach, South Florida. North American Chemical Residue Workshop (NACRW), July 15- 17, 2024, Fort Lauderdale, FL.

2024. Maria Guerra de Navarro and **Natalia Soares Quinete**. High throughput method and trace levels detection of per- and polyfluoroalkyl substances (PFAS) by online SPE-LC-HESI-MS/MS, including 1633 EPA compounds list. North American Chemical Residue Workshop (NACRW), July 15- 17, 2024, Fort Lauderdale, FL.

2024. Olutobi Daniel Ogunbiyi, Richard P. Brinn and **Natalia Soares Quinete**. Targeted and non-targeted analysis using LC-Orbitrap-HRMS for screening of novel Per-and polyfluoroalkyl substances (PFAS) in recreational fisheries. North American Chemical Residue Workshop (NACRW), July 15- 17, 2024, Fort Lauderdale, FL.

2024. *Luciana Teresa Dias Cappelini,* **Natalia Quinete**. Occurrence and distribution of emerging contaminants on children's food in Miami-Dade – FL. North American Chemical Residue Workshop (NACRW), July 15- 17, 2024, Fort Lauderdale, FL.

2024. Maria Mendoza M, Joshua Ocheje, Zariah Nasir, **Natalia Quinete** (mentor), Yelena Katsenovich, Berrin Tansel Determination of the Types and Contents of Per and Poly-Fluoroalkyl Substances (PFAS) in E-Waste" at URFIU, Florida International University, Miami, FL.

2024. A. Distrubell, **N.S. Quinete**, W.R. James. R.O. Santos, A. Adams, J. Rehage. Contaminated waters: PFAS contaminants in the Gulf of Mexico fisheries. The 2024 Gulf of Mexico Conference (GOMCON), Feb. 19-22, 2024. Tampa, Florida.

2024. Laura D. Brunelle, Angela L. Batt, Alex Chao, Susan T. Glassmeyer, **Natalia Quinete**, David A. Alvarez, Dana W. Kolpin, Edward T. Furlong, Marc A. Mills, Diana S. Aga. Utilization of non-targeted analysis and suspect screening tools to examine fate of contaminants of emerging concern during de facto water reuse. Pittcom, February 24-28, 2024, San Diego, California, USA

2023. Maria Guerra de Navarro, Carolina Cuchimaque, Courtney Health, Xuerong Li**,** Kevin O'Shea, Dionysios Dionysiou**, Natalia Quinete (poster presenter).** Combining Target and Non-Targeted Approaches for PFAS characterization in water sources. DoD Energy & Environment Innovation Symposium. Session: Understanding PFAS in the Environment: Sampling, Analysis, and Transport, November 29, 2023, Arlington, VA.

2023. *Luciana Teresa Dias Cappelini,* Olutobi Daniel Ogunbiyi, Mymuna Monem, Emily Mejias, Piero Gardinali, Florence George, Daniel Bagner, **Natalia Quinete.** Screening for emerging contaminants in soil, dust, and food in the Miami area using Non-Targeted Analysis : Implications to Children's Health and Risk Assessment. 44th SETAC North America, 12-16 November 2023, Louisville, KY.

2023. Joshua Ocheje, Maria Mendonza Manzano**,** Zaraih Nasir, Yelena Katsenovich, Berrin Tansel, **Natalia Quinete.** DEVELOPMENT OF A SENSITIVE METHOD FOR THE DETERMINATION OF PER AND POLY-FLUOROALKYL SUBSTANCES (PFAS) IN BIOSOLID LEACHATES. 44th SETAC North America, 12-16 November 2023, Louisville, KY.

2023. Olutobi Daniel Ogunbiyi, Neumiah Massenet, **Natalia Soares Quinete.** DISPERSION AND STRATIFICATION OF PER-AND POLYFLUOROALKYL SUBSTANCES (PFAS) IN SURFACE AND DEEP-WATER PROFILES: A CASE STUDY OF THE BISCAYNE BAY AREA. 44th SETAC North America, 12-16 November 2023, Louisville, KY.

2023. Maria Guerra, **Natalia Soares Quinete.** Occurrence of per- and polyfluoroalkyls substances (PFAS) in groundwater from Miami-Dade, South Florida. 44th SETAC North America, 12-16 November 2023, Louisville, KY.

2023. Carolina Cuchimaque Lugo, **Natalia Soares Quinete.** Assessment of Per- and Polyfluoroalkyl Substances (PFAS) in Tap Waters from Miami-Dade, South Florida. 44th SETAC North America, 12-16 November 2023, Louisville, KY.

2023. Courtney Heath**, Natalia Soares Quinete.** Target Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Surface Water from Biscayne Bay Canals. 44th SETAC North America, 12-16 November 2023, Louisville, KY.

2023. *Leila S. Lemos*, Amanda C. Di Perna, Karen J. Steinman, Todd R. Robeck, **Natalia S. Quinete**. Stress biomarker associations with phthalate ester exposure in two species of captive dolphins. 44th SETAC North America, 12-16 November 2023, Louisville, KY.

2023. *Luciana Teresa Dias Cappelini,* Olutobi Daniel Ogunbiyi, Mymuna Monem, Emily Mejias, Piero Gardinali, Florence George, Daniel Bagner, **Natalia Quinete**. Assessment of Emerging Organic Contaminants in Soil Samples from Miami-FL. 19th Annual Workshop on Emerging HRMS and LC-MS/MS Applications in Environmental Analysis and Food Safety, 24-25th September 2023, Buffalo, NY**.**

2023. Olutobi Daniel Ogunbiyi, Richard P. Brinn **Natalia Soares Quinete.** Non-targeted screening of novel per- and poly fluoro alkyl substances (PFAS) in recreational fish and crustaceans using high resolution mass spectrometry (HRMS). 19th Annual Workshop on Emerging HRMS and LC-MS/MS Applications in Environmental Analysis and Food Safety, 24-25th September 2023, Buffalo, NY.

2023. Maria Guerra, **Natalia Soares Quinete.** Monitoring of poly- and perfluoroalkyls substances (PFAS) in rainwater from Miami-Dade, South Florida. 19th Annual Workshop on Emerging HRMS and LC-MS/MS Applications in Environmental Analysis and Food Safety, 24-25th September 2023, Buffalo, NY.

2023. Carolina Cuchimaque Lugo, **Natalia Soares Quinete.** Assessment of Per- and Polyfluoroalkyl Substances (PFAS) in Tap Waters from Miami-Dade, South Florida. 19th Annual Workshop on Emerging HRMS and LC-MS/MS Applications in Environmental Analysis and Food Safety, 24-25th September 2023, Buffalo, NY.

2023. Courtney Heath**, Natalia Soares Quinete.** Target Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Surface Water from Biscayne Bay Canals. 19th Annual Workshop on Emerging HRMS and LC-MS/MS Applications in Environmental Analysis and Food Safety, 24-25th September 2023, Buffalo, NY.

2023. *Leila S. Lemos*, Rachel Ann Hauser Davis, Maria G. de Navarro, Olutobi D. Ogunbiyi, **Natalia S. Quinete**. First-time report on elasmobranch contamination by per- and polyfluoroalkyl substances in the Southeastern Atlantic. 19th Annual Workshop on Emerging HRMS and LC-MS/MS Applications in Environmental Analysis and Food Safety, 24-25th September 2023, Buffalo, NY.

2023. Carolina Cuchimaque Lugo and **Natalia Quinete.** Assessment of Per- and Polyfluoroalkyl Substances (PFAS) in Tap Waters from Miami-Dade, South Florida. North American Chemical Residue Workshop (NACRW), July 23- 26, 2023, Fort Lauderdale, FL.

2023. Courtney Heath and **Natalia Quinete**. Target analysis of PFAS in surface water from Biscayne Bay canals. North American Chemical Residue Workshop (NACRW), July 23- 26, 2023, Fort Lauderdale, FL.

2023. Maria Guerra de Navarro and **Natalia Quinete.** Occurrence of per- and polyfluoroalkyls substances (PFAS) in groundwater from Miami-Dade, South Florida. North American Chemical Residue Workshop (NACRW), July 23- 26, 2023, Fort Lauderdale, FL.

2023. *Luciana Teresa Dias Cappelini,* Vinícius Ricardo Acquaro Jr., and **Natalia Quinete.** Investigating Chemical Interactions of PFAS for the Development of Efficient Extraction Methodologies and Estimation of PFAS Toxicity using the Software Percepta. North American Chemical Residue Workshop (NACRW), July 23- 26, 2023, Fort Lauderdale, FL.

2023. *Leila Soledade Lemos*, Estela Manfrin da Silva, Karen J. Steinman, Todd R. Robeck, and **Natalia Quinete**. Assessment of per- and polyfluoroalkyl substances in two species of captive delphinids from United States. North American Chemical Residue Workshop (NACRW), July 23- 26, 2023, Fort Lauderdale, FL.

2023. Amanda C. Di Perna, *Leila S. Lemos*, Karen J. Steinman, Dr. Todd R. Robeck, **Natalia S. Quinete**. Associations with stress biomarkers and phthalate ester exposure in two species of captive delphinids. Undergraduate Research Conference at FIU (URFIU), April 4th, 2023, FIU, Miami, FL.

2022. Xuerong Li, *Danni Cui,* Brian Ng, Piero Gardinali and **Natalia Quinete.** Non-Targeted Analysis for the Screening of Per- and Polyfluoroalkyl Substances in Drinking and Surface Water Samples from South Florida Environments. Nontarget Analysis for Environmental Risk Assessment, 22–26 May 2022 | Durham, North Carolina, USA.

2022. Xuerong Li, *Danni Cui*, and **Natalia Quinete**. Development of a sensitive LC-MS/MS method to characterize legacy and emerging PFAS in drinking and surface water in South Florida environments. The Annual Visitation Day- Poster Presentation, The Walkway on the 3rd Floor of CP Building, March 11th, 2022.

2022. Olutobi Daniel Ogunbiyi, Richard P. Brinn, and **Natalia Quinete**. Accumulation of Per and Polyfluoroalkyl substances (PFAS) levels in Tuna fish samples at Biscayne Bay, Miami, Florida: A food safety concern. The Annual Visitation Day- Poster Presentation, The Walkway on the 3rd Floor of CP Building, March 11th, 2022.

2022. Olutobi Daniel Ogunbiyi, Richard P. Brinn and **Natalia Soares Quinete.** Bioaccumulation potentials and ecological impacts of Per- and polyfluoroalkyl substances (PFAS) exposure to recreational fisheries: A case study of Blackfin tuna (Thunnus atlanticus) and lobsters (Homarus americanus) in offshore Biscayne Bay, Miami, Florida. SETAC North America, 13-17 November 2022, Pittsburgh, PA.

2022. Natalia Soares Quinete (speaker). Chemical Space Visualization for Non-Targeted Analysis via Kendrick Mass Defect plots and Van Krevelen diagrams: understanding the benefits and limitations. 18th Annual workshop on Emerging High-Resolution Mass Spectrometry (HRMS) And LC-MS/MS Applications in Environmental Analysis and Food Safety, 10-11 October 2022, Barcelona, Spain.

2022. Maria Guerra, Yosmely Reyna, **Natalia Soares Quinete**. Atmospheric deposition of per- and polyfluoroalkyls substances (PFAS) in Miami-Dade, South Florida. SETAC North America, 13-17 November 2022, Pittsburgh, PA.

2022. *Luciana Teresa Dias Cappelini*, Vinícius Ricardo Acquaro Jr**., Natalia Soares Quinete.** Predicting appropriate extraction methods for a variety of PFAS in different matrices based on their physical-chemical properties. SETAC North America, 13-17 November 2022, Pittsburgh, PA.

2022. *Leila S. Lemos*, Estela Manfrin da Silva, Karen J. Steinman, Todd R. Robeck, **Natalia S. Quinete.** Assessment of per- and polyfluoroalkyl substances in two species of captive delphinids from the United States. SETAC North America, 13-17 November 2022, Pittsburgh, PA.

2022. Kyle Shimabuku, R. Scott Summers, Myat Thandar Aung, **Natalia Soares-Quinete**, Joshua Kearns. UV and Fluorescence Spectroscopy to Monitor and Predict PFAS, MIB, and Emerging Contaminant Removal by Activated Carbon. Pacific Northwest Section AWWA conferences, Apr 27, 2022 - Friday, Apr 29, 2022, Tacoma, WA.

2022. Kaylor C, *Lemos LS*, **Quinete NS.** The Assessment of Per- and Polyfluoroalkyl substances in Biscayne Bay Oysters. In: Ocean Sciences Meeting (ALSO, 24 February- 4 March 2022). Virtual Conference.

2022. *Joseph Cox*, *Danni Cui*, E. Mejias, D. Bagner, P.R. Gardinali, **N. Soares Quinete.** Identifying children's exposure to chemicals through soil and dust ingestion using non-targeted analysis approaches. SETAC North America, 13-17 November 2022, Pittsburgh, PA.

2022. *J. Cox, D. Cui*, E. Mejias, D. Bagner, P.R. Gardinali, **N. Soares Quinete.** Evaluation of a non-targeted analysis approach for identifying chemicals of environmental concern in soil and dust and children's exposure. 73rd Southeastern Regional ACS Meeting, Puerto Rico, Oct 19- 22, 2022.

2022. Gabrielle Black, Charles Lowe , Tarun Anumol , Jessica Bade, Kristin Favela , Christine Fisher (O'Donnell), Yong-Lai Feng , Alan Hood , Ann Knolhoff6 , Andrew D. McEachran, Jamie Nunez, Katherine Peter, **Natalia Soares Quinete**, Jon Sobus, Eric Sussmann, William Watson, Antony Williams and Samanthi Wickramasekara. Mapping Chemical Space Coverage in Non-Targeted Analysis. Nontarget Analysis for Environmental Risk Assessment, 22–26 May 2022 | Durham, North Carolina, USA.

2022. C.P. Colon-Montalvo, M. Corujo Bonilla, B. Maldonado Aponte, D. Santiago Ferrer, A. Bermudez Adorno, C. Rodriguez-Fourquet, **N. Soares Quinete.** Determining the bioconcentration and toxicity of phthalates in the swimming behavior of the land crab's larvae Cardisoma guanhumi in Puerto Rico. 73rd Southeastern Regional ACS Meeting, Puerto Rico, Oct 19- 22, 2022.

2022. Anahita Esmaeilian, **Natalia Soares Quinete,** Yelena Katsenovich, Piero Gardinali and Kevin O'Shea. Effect of compost and activated carbon amendments on immobilization of perfluorooctanoic acid (PFOS) in two soils with contrasting texture. ACS Spring Mar 20 - Mar 24, 2022.

2021. X. Li, *D. Cui*, N. **Soares Quinete.** Comprehensive Assessment of PFAS on Occurrence, Composition, and Seasonal Variation in Drinking and Surface Water in South Florida Environments. SETAC North America 42nd Annual Meeting, 14–18 November 2021| Virtual.

2021. O.D. Ogunbiyi, *L. Soledade Lemos*, *D. Cui*, X. Li, R. Brinn, **N. Soares Quinete.** Bioaccumulation of Per- and Polyfluoroalkyl Substances (PFAS) Levels in Backfin Tuna (Thunnus atlanticus) at Biscayne Bay, Miami, Florida: A Food Safety Concern. SETAC North America 42nd Annual Meeting, 14–18 November 2021| Virtual.

2021. Natalia Quinete (speaker). Assessing forever chemicals in South Florida environments: Should we be concerned? 2021 Virtual Symposium on Environmental Governance and Ecological Restoration (SEGER 2021), December 3, 2021| Virtual.

2021. Morgan Fatowe**,** Xuerong Li, **Natalia Soares Quinete.** Determination of Legacy and Emerging PFAS in Drinking and Surface Water in South Florida Environments and Florida's Everglades. International Conference on Environment and Society Watershed Processes in the Face of Dynamic Landscapes and Climate Change, November 22-23, 2021| Virtual.

2021. M.B. Fatowe, X. Li, *D. Cui*, N. **Soares Quinete.** Determination of Legacy and Emerging PFAS in Drinking and Surface Water in West and Central Florida Environments. SETAC North America 42nd Annual Meeting, 14–18 November 2021| Virtual.

2021. *Leila Soledade Lemos*, Laura Gantiva-Mesa, Catherine Kaylor, **Natalia Soares Quinete.** Contamination by per- and polyfluoroalkyl substances and phthalate esters in oysters from Florida, United States. SETAC North America 42nd Annual Meeting, 14–18 November 2021| Virtual.

2021. Kaylor C, *Lemos LS*, **Quinete NS.** The Assessment of Per- and Polyfluoroalkyl substances in Biscayne Bay Oysters. In: Florida International University REU Symposium. July 2021, Miami, FL, United States.

2021*. D. Cui,* B. Ng, X. Li, **N. Quinete.** Chemical Characterization by Non-Targeted Analysis of Airborne Particulate Matter from South Florida Coastal Area Influenced by African Dust Events. SETAC North America 42nd Annual Meeting, 14–18 November 2021| Virtual.

2021. B. Ng, **N. Soares Quinete**, P.R. Gardinali. Chemical Space Visualization for Non-Targeted Analysis via Kendrick Mass Defect Plots and Van Krevelen Diagrams. SETAC North America 42nd Annual Meeting, 14–18 November 2021| Virtual.

2021 Xuerong Li, Morgan Fatowe, *Danni Cui*, **Natalia Quinete.** Comprehensive assessment of PFAS on their occurrence, composition, spatial distribution, and seasonal variation in drinking and surface water in South Florida environments. 17th Annual Workshop on Emerging High-Resolution Mass Spectrometry (HRMS) and LC-MS/MS Applications in Environmental Analysis and Food Safety, 14-15 October 2021, Ottawa, Canada | Virtual.

2021 M. Fatowe, X. Li, **N. Quinete**. LEGACY AND EMERGING PFAS IN DRINKING AND SURFACE WATER IN SOUTH FLORIDA ENVIRONMENTS. FIU Undergraduate Research Conference. March 24, 2021.

2021 Catherine Kaylor, *Leila Lemos, Danni Cui,* **Natalia Quinete.** Assessment of per- and polyfluoroalkyl substances in American Oysters from Biscayne Bay, Florida. FLUOROS Global 2021, Providence, Rhode Island, October 3-7, 2021.

2020 X. Li, *D. Cui,* **N. Quinete.** Development of a Sensitive LC-MS/MS Method to Characterize Legacy and Emerging Poly- and Perfluoroalkyl Substances in Drinking and Surface Water in South Florida. SETAC North America 41st Annual Meeting, 15–19 November 2020 | Virtual.

2020 *D. Cui,* **N. Quinete.** Assessment of Phthalates Levels in Surface and Drinking Water in South Florida Environments. SETAC North America 41st Annual Meeting, 15–19 November 2020 | Virtual.

Public Presentations

2024-2025. Northeast High School, Oakland Park, FL, presented to over 100 high school students about research in my laboratory.

2024. Building your NSF and NIH Biosketch. Unwritten Curricula No More/ No Más/Não Mais. A Proposal-Writing Skills Workshop to increase participation of early career Latinx STEM academics. July 11-12, 2024, Virtual Workshop.

2024. Biscayne Bay Summit panel (May 20, 2024)

2023. URInspiration Symposium, presenting to undergraduate students from FIU, University of Arizona, University of New Mexico on the topic: "How to join a research lab? Undergraduate Research in a Chemistry laboratory"

2023. Datablitz invited by the Undergraduate Research Society at FIU

2023. Next Horizon Campaign at FIU

Prior presentations to current appointment:

2019. S. Landeweer, **N. Quinete**, P.R. Gardinali. Investigating the environmental fate and transport of sunscreen components: Understanding the exposure route. SETAC North America 40th Annual Meeting, 3-7 November, Toronto, ON, Canada.

2019. S. Landeweer, K. Meerbott, **N. Quinete,** P.R. Gardinali. Understanding the photolysis of oxybenzone: Rates and degradation products. SETAC North America 40th Annual Meeting, 3-7 November, Toronto, ON, Canada.

2019. B. Ng, **N. Quinete**, P.R. Gardinali. A Simple Polydimethylsiloxane (PDMS) Sponge for the Removal of Environmental Organic Contaminants. SETAC North America 40th Annual Meeting, 3-7 November, Toronto, ON, Canada.

2019. N. Quinete, K. Lugo P.R., S. Maldonado, P. Gardinali. Assessment of steroid hormones and pharmaceuticals in South Florida surface waters by Liquid Chromatography- High Resolution Mass Spectrometry SETAC North America 40th Annual Meeting, 3-7 November, Toronto, ON, Canada.

2019. A. Henderson, B. Ng, S. Landeweer, **N. Quinete,** P.R. Gardinali. Examination of trends and variations in contaminants via non-targeted mass spectrometry: An Everglades case study. SETAC North America 40th Annual Meeting, 3-7 November, Toronto, ON, Canada.

2019 Danielle Ogurcak, Todd Crowl, Michael Ross, John Meeder, Joseph Smoak, John Kominoski, James Fourqurean, Piero Gardinali, Amanda Chappel, **Natalia Soares Quinete,** Jennie Rivera, Marla Santos and Tatiana Barreto. Sediment accumulation rates of organic matter, nutrients, and trace metals vary across mangrove forests on the island of Puerto Rico. Mangrove, Macrobenthos & Management (MMM5 Conference), 1-5 July 2019, Singapore.

2019. B. Ng, **N. Quinete**, P.R. Gardinali. Assessing Reproducibility using Quality Controls for NonTarget Analysis of Environmental Samples. SETAC North America 40th Annual Meeting, 3-7 November, Toronto, ON, Canada.

2019 Natalia Soares Quinete, Robert A. Menzies, Douglas B. Seba, Cesar Ramirez, and Piero Gardinali. Modern African Dust and Trace Metals: Transport, Loading and Human Exposure. International Conference on Metal Detoxification (MetDetox), 10-13 June 2019, Berlin, Germany.

2019. A. M. Abdullah, **Natalia Soares Quinete**, Kevin O'Shea. Remediation of perfluoroalkyl substances (PFASs) in water by ultrasonic irradiation. 15th annual Workshop on LC-MS/MS Applications in Environmental Analysis and Food Safety, 29-31st May 2019. Miami Beach, FL.

2019. Cody Henderson, Brian Ng, Steven Landeweer, **Natalia Quinete**, Piero Gardinali. Examination of trends and variations in contaminants via non-targeted mass spectrometry: An Everglades case study. 15th

annual Workshop on LC-MS/MS Applications in Environmental Analysis and Food Safety, 29-31st May 2019. Miami Beach, FL.

2019. Brian Ng, **Natalia Quinete** and Piero Gardinali. Redefining Quality Control for Non-Targeted Analysis of Environmental Samples. 15th annual Workshop on LC-MS/MS Applications in Environmental Analysis and Food Safety, 29-31st May 2019. Miami Beach,FL.

2019. Steven Landweer, **Natalia Quinete** and Piero Gardinali. Investigating the behavior of Sunscreens in seawater. 15th annual Workshop on LC-MS/MS Applications in Environmental Analysis and Food Safety, 29-31st May 2019. Miami Beach,FL.

2019. Andrea Santiago-Baez, Alex Mercado Molina, **Natalia Quinete.** Using Liquid Chromatography-Triple Quadrupole Mass Spectrometry to Assess Physiological Stress in Fish. 15th annual Workshop on LC-MS/MS Applications in Environmental Analysis and Food Safety, 29-31st May 2019. Miami Beach, FL.

2019. Yailee Carrazana, **Natalia Soares Quinete**, Piero Gardinali. An Improved Chloroform-free Lipid Extraction Method on Long-chain Lipids Followed by Liquid Chromatography-High Resolution Mass Spectrometry (LC-HRMS). 15th annual Workshop on LC-MS/MS Applications in Environmental Analysis and Food Safety, 29-31st May 2019. Miami Beach, FL.

2019. A. M. Abdullah, **Natalia Soares Quinete**, Kevin O'Shea. Kinetics and mechanistic investigation on ultrasonic degradation of the flame-retardant tris (2-chloroethyl) phosphate (TCEP) in aqueous solution. 15th annual Workshop on LC-MS/MS Applications in Environmental Analysis and Food Safety, 29-31st May 2019. Miami Beach, FL.

2019. Abdulhadi Abdulwahed, MS Cooke, JK Cobb, **NS Quinete**, HG Tempest. Altered DNA damage response and gene positioning in chemosensitive and chemoresistant ovarian cancer cell lines. 15th annual Workshop on LC-MS/MS Applications in Environmental Analysis and Food Safety, 29-31st May 2019. Miami Beach, FL

2019. Mackenzie Brown, Brian Ng, **Natalia Soares Quinete**, Piero Roberto Gardinali. PDMS Sponge for remediation of endocrine disruptors and pharmaceuticals in water samples from South Florida. Spring 2019 ACS National Meeting & Exposition – Orlando, FL, March 31-April 4, 2019.

2019. A. M. Abdullah, **Natalia Soares Quinete**, Kevin E O'Shea. Degradation of perfluoroalkyl substances (PFAS) in water by ultrasonic irradiation. Spring 2019 ACS National Meeting & Exposition – Orlando, FL, March 31-April 4, 2019.

2019. A. Abdulwahed, M. Karbaschi, **N. Quinete,** D. J. Azzam, H. G. Tempest, and M. S. Cooke. F. Investigating the DNA Damage Response in Chemoresistant versus Chemosensitive Ovarian Cancer Cells (#1574). 58th Annual meeting & ToxExpo, March 10-14, 2019.

2019. Ogurcak, D.; Schonhoff, B.; Crowl, T.; Yanez Zapata, T.; **Soares Quinete, N**.; Dessu, S.; Teutonico, R.: COHORT BUILDING AND NEAR-PEER MENTORING AS INTEGRAL PARTS OF THE UNDERGRADUATE RESEARCH EXPERIENCE IN COASTAL ECOSYSTEM SCIENCE. ASLO 2019 Aquatic Sciences Meeting, 23 February- 2 March 2019, Sao Juan, Puerto Rico.

2018 N. Quinete, B. Ng, P.R. Gardinali. Comparison of different ionization sources in the detection of unknown compounds in environmental samples within the EPA ENTACT project. SETAC North America 39th Annual Meeting, 4-8 November, Sacramento, CA, USA.

2018 S. Landeweer, **N. Quinete,** P.R. Gardinali. The occurrence and prevalence of UV filter chemicals in surface water samples in Biscayne Bay and Biscayne National Park. SETAC North America 39th Annual Meeting, 4-8 November, Sacramento, CA, USA.

2018 C. Henderson, B. Ng, **N. Quinete,** P.R. Gardinali. Comprehensive nontarget analysis of sediment and aqueous environmental samples via SPE LC-ESI-HRMS: A case study for the Florida Everglades. SETAC North America 39th Annual Meeting, 4-8 November, Sacramento, CA, USA.

2018 B. Ng, **N. Quinete,** P.R. Gardinali. Improving non-target analysis by HPLCESI/HRMS in the context of the EPA collaborative trial project (ENTACT). SETAC North America 39th Annual Meeting, 4-8 November, Sacramento, CA, USA.

2018 Natalia Quinete, Brian Ng, Piero Gardinali. Comparison of electrospray ionization (ESI) and atmospheric pressure chemical ionization (APCI) in the detection of unknown compounds within the context of the EPA ENTACT project. EPA's Non-Targeted Analysis Collaborative Trial (ENTACT) workshop Aug 13-15, 2018, Research Triangle, NC, USA.

2018 Brian Ng, **Natalia Quinete**, Piero Gardinali. Non-target analysis by HPLC-ESI/HRMS for the detection of "unknowns". EPA's Non-Targeted Analysis Collaborative Trial (ENTACT) workshop Aug 13-15, 2018, Research Triangle, NC, USA.

2018 PM Gaum, M Gube, A Esser, T Schettgen**, N Soares Quinete**, FM Putschoegl, T Kraus, J Lang. 59 Polychlorinated biphenyls and depression – first hints for a pathomechanism via the thyroid and dopamine system in humans. Occupational and Environmental Medicine 2018;75:A388.

2017 Natalia Quinete, Rachel A. Hauser-Davis, Leila S. Lemos, Jailson F. de Moura, Salvatore Siciliano and Piero R. Gardinali. Occurrence and tissue distribution of organochlorinated compounds in Magellanic penguin (Spheniscus magellanicus) from Southeastern Coast of Brazil. SETAC North America 38th Annual Meeting, 12-16 November, Minneapolis MN, USA.

2017 Joana Almeida, **Natalia Quinete** and Piero Gardinali. Online SPE-LC-HRMS for the determination of common UV-blocking chemicals from sunscreen in surface water. SETAC North America 38th Annual Meeting, 12-16 November, Minneapolis MN, USA.

2017 Cody Henderson, Brian Ng, **Natalia Quinete** and Piero Gardinali. Identification and quantification of caffeine, acetaminophen, and sucralose as wastewater tracers using an online SPE LC-ESI-HRMS. SETAC North America 38th Annual Meeting, 12-16 November, Minneapolis MN, USA.

2017 Brian Ng, **Natalia Quinete** and Piero Gardinali. Non-target Analysis using online SPE coupled to HPLC-ESI/HRMS as a fingerprinting tool to characterize water sources. SETAC North America 38th Annual Meeting, 12-16 November, Minneapolis MN, USA.

2017 Gilberto Villar Vasconcelos, **Natalia Quinete** and Piero R. Gardinali. Determination of the absorption rate and partition coefficient of organochlorines and polyaromatic hydrocarbons in water using polydimethylsiloxane. SETAC North America 38th Annual Meeting, 12-16 November, Minneapolis MN, USA.

2017 N. Quinete, A. Esser, T. Kraus, T. Schettgen. Identification and determination of four hydroxylated polychlorinated biphenyl (OH-PCB) metabolites of PCB 28 in a highly occupationally exposed German cohort. 57. Wissenschaftliche Jahrestagung der Deutsche Gesellschaft für Arbeitsmedizin und Umweltmedizin (DGAUM), 15-17 March, 2017, Hamburg, Germany. Abstract Book p 166 (P149).

2017 Gaum PM, Gube M, Esser A, Schettgen T, **Quinete N**, Putschögl F, Kraus T, Lang J. Polychlorierte Biphenyle und Depressivität – Untersuchung eines Pathomechanismus im Menschen über die Schilddrüse und das Dopaminsystem. 57. Wissenschaftliche Jahrestagung der Deutsche Gesellschaft für Arbeitsmedizin und Umweltmedizin (DGAUM), 15-17 March, 2017, Hamburg, Germany. Abstract Book p 67 (V025).

2016 Natalia Quinete, Thomas Kraus, Jonas Möcking, Thomas Schettgen. New possibilities for human biomonitoring of PCB exposure: Determination of hydroxylated polychlorinated biphenyls (OH-PCBs) in urine of a highly exposed German Cohort. 56. Wissenschaftliche Jahrestagung der Deutsche Gesellschaft für Arbeitsmedizin und Umweltmedizin (DGAUM), 9-11 March, 2016, Munich, Germany. Abstract Book p 125 (P120).

2016 Ziegler S, Schettgen T, Beier F, Wilop S, **Quinete N**, Esser A, Kharabi B, Ferreira M, Vankann L, Uciechowski P, Rink L, Kraus T, Brümmendorf TH, Ziegler P. Beschleunigte Telomerverkürzung in peripheren Blutlymphozyten nach PCB Expositionin einer Recycling Firma. 56. Wissenschaftliche Jahrestagung der Deutsche Gesellschaft für Arbeitsmedizin und Umweltmedizin (DGAUM), 9-11 March, 2016, Munich, Germany. Abstract Book p 77 (V080).

2015 Robert A Menzies, **Natalia Soares Quinete**, Douglas Seba, Piero Gardinali. PAH and Organo Chlorines at Low Environment Concentrations as Possible Health Threats. American Academy of Environmental Medicine (AAEM), 1-3 October 2015, Sanibel Island, Florida.

2015 Natalia Quinete, Thomas Kraus, Christina Aretz, André Esser, Thomas Schettgen. An online SPE LC-MS/MS method for the determination of hydroxylated polychlorinated biphenyls (OH-PCBs) in human plasma. SETAC Europe 25th Annual Meeting, 3-7 May 2015, Barcelona, Spain.

2015 Natalia Soares Quinete, Jens Bertram, Jessica lang, Thomas Kraus. Hoch Selektive MRM3 Identifikation und Quantifizierung von Cortisol und Cortison in humanem haar vermittels online Festphasenextraktion und LC-ES/MS3 Method in negative Modus. 55. Wissenschaftliche Jahrestagung der Deutsche Gesellschaft für Arbeitsmedizin und Umweltmedizin (DGAUM), 18-20 March, 2015, Munich, Germany. Abstract Book p 176 (P311).

2015 Natalia Soares Quinete, Christina Aretz, Thomas Kraus, Thomas Schettgen. Nachweis von Hydroxy-PCB-Metaboliten in HumanPlasma mittels online-SPELC/ MS/MS. 55. Wissenschaftliche Jahrestagung der Deutsche Gesellschaft für Arbeitsmedizin und Umweltmedizin (DGAUM), 18-20 March, 2015, Munich, Germany. Abstract Book p 158 (P310).

2014 Ziegler, P; Schettgen; Wilop, S; **Quinete, NS**; Ziegler, S; Beier, F; Ferreira, MSV; Uciechowski, P; Rink, L; Kraus, T; Brummendorf, TH. The 3-OH Derivative of the Polychlorinated Biphenyl (PCB)-28 Inhibits Telomerase Expression and Accelerates Telomere Shortening in Vitro: A Rationale for the Significantly Shortened Telomere Length Found in Peripheral Blood Lymphocytes of Workers Exposed to High Doses of Lower Chlorinated PCBs. BLOOD 124 (21), Meeting Abstract. 56th ASH Annual Meeting & Exposition, December 6-9, 2014, San Francisco, CA, USA.

2014 Natalia Soares Quinete, Jens Bertram, Jessica lang, Thomas Kraus. Highly selective MRM3 identification and quantitation of cortisol and cortisone in human hair using an online SPE LC-ESI/MS3 method in negative mode. 50th Congress of the European Societies of Toxicology (EUROTOX), September 7-10, 2014, Edinburgh, Scotland. Abstracts/Toxicology Letters 229S (2014) S125. (doi:10.1016/j.toxlet.2014.06.446).

2014 T. Schettgen, J. Bertram, **N. Soares Quinete**, A. Alt, T. Kraus. Aktuelle Daten zur Hintergrundbelastung der Allgemeinbevölkerung mit den hochchlorierten PCBKongeneren PCB 138, PCB 153 und PCB 180. 54. Wissenschaftliche Jahrestagung der Deutsche Gesellschaft für Arbeitsmedizin und Umweltmedizin (DGAUM), April 2-4, 2014, Dresden, Germany. Abstract Book p 423-426.

2013 Ricardo Lavandier, **Natalia Quinete,** Rachel Ann Hauser-Davis, Patrick Simões Dias, Satie Taniguchi, Rosalinda Montone and Isabel Moreira. Occurrence of Polychlorinated Biphenyls (PCBS) and Polybrominated Diphenylethers (PBDES) In Different Fish Species from Ilha Grande Bay, Southeastern Brazil. XXXVIII Colloquium Spectroscopicum Internationale. June 17-20, 2013, Tromsø, Norway. Abstract Book p 125.

2013 Lavandier, R. C.; **Quinete, N.** ; Hauser-Davis, Rachel Ann ; Dias, Patrick Simões; Taniguchi, Satie ; Montone, Rosalinda ; Moreira, Isabel . Occurrence of PBDEs and PCBs in Fish from the Brazilian Southeastern Coast. In: IBAMTOX 2013, 2013, Ribeirão Preto. Occurrence of PBDEs and PCBs in Fish from the Brazilian Southeastern Coast, 2013.

2013 Sudha Rani Batchu, **Natalia Quinete**, Venkata Reddy Panditi and Piero R. Gardinali. Online solid phase extraction liquid chromatography tandem mass spectrometry (SPE-LC-MS/MS) method for the determination of Sucralose in reclaimed and drinking waters and its photo degradation in natural waters from South Florida. 9th Annual workshop on LC-MS/MS Applications in Environmental Analysis and Food Safety, CCIW, Burlington Ontario, May 6th-9th, 2013.

2012 Natalia Quinete, Jian Wang, Adolfo Fernandez and Piero Gardinali. Automated online Solid Phase Extraction (SPE) LC-MS/MS for the determination of endosulfan isomers and their metabolite in multimedia samples. SETAC North America 33th Annual Meeting, 11-15 November, Long Beach, California, USA.

2012 Natalia Quinete, Jian Wang, Adolfo Fernandez and Piero Gardinali. Automated online Solid Phase Extraction (SPE) LC-MS/MS for the determination of endosulfan isomers and their metabolite in multimedia samples. 9th International Symposium on Persistent Toxic Substances (ISPTS), 23-27October, Miami, FL, USA.

2012 Quinete, Natalia; Lavandier, Ricardo ; DIAS, P. S. ; TANIGUCHI, S. ; Wu, Qian; Montone R. C.; Di Beneditto A P ; Kannan, Kurunthachalam ; MOREIRA, I. . Emerging contaminants in aquatic environments: studies in tropical estuarine systems in the Rio de Janeiro Coast, Brazil. In: Eurasia Conference, 2012, Corfu. Abstracts. Atenas, 2012.

2012 Natalia Quinete, Piero Gardinali. Outcompeting GC for the detection of legacy chlorinated pesticides: online-SPE UPLC APCI/MSMS detection of endosulfans at part per trillion levels. 8th annual LC/MS/MS Workshop on Environmental Applications and Food Safety, in Barcelona, Spain.

2011 Quinete, Natalia; Lavandier, Ricardo ; DIAS, P. S. ; TANIGUCHI, S. ; Wu, Qian ;Montone R. C.; Kannan, Kurunthachalam ; MOREIRA, I. . Perfluorinated compounds (PFCs), polybrominated diphenylethers (PBDEs) and polychlorinated biphenyls (PCBs) in water and biota samples from selected areas in southeastern Brazil. In: PRIMO 16 (Pollutant Responses in Marine Organisms), 2011, Long Beach. Abstracts PRIMO 16, 2011. p. 209-209.

2010 N. Quinete, R. Lavandier, R. C. Montone, S. Taniguchi, P.S. Dias, I. Moreira. Specifics profiles of Polychlorinated Diphenylethers and Polychlorinated Biphenyls in Biota samples from the Estuary of Paraiba do Sul River, in Southeastern Brazil. 6th International Conference on Marine Pollution and Ecotoxicology, 31May- 3 June 2010, Hong Kong, China. Programme & Abstracts, 2010. v. 1. p. P-134-P-134.

2009 Natalia Quinete, Qian Wu, Tao Zhang, Se Hun Yun, Isabel Moreira, Kurunthachalam Kannan. Specifics profiles of perfluorinated compounds in surface and drinking waters and accumulation in mussels, fish and dolphins from southeastern Brazil. SETAC North America 30th Annual. 19 – 23 November 2009, New Orleans, Louisiana, USA.

2008 Francis Orata, **Natalia Quinete**, Markus Gehron, Karl - Heinz Bauer, Anke Maes, Rolf Dieter Wilken. Degradation Studies of emerging Perfluorinated Surfactants Substitutes. 1st International Workshop Fluorinated Surfactants: New Developments. 26- 28 June 2008, Idstein, Germany.

2007 Natalia Quinete, Francis Orata, R. D. Wilken. Quantitative Gas and Liquid Chromatographic Determination of Perfluorooctanoic Acid and Perfluorooctane Sulphate in Water and Fish Samples. PFT Fachtagung: Persistente Perfluorverbindungen- eine Gefahr für Mensch und Umwelt? (Workshop on Perfluorinated Compounds) 27. – 28 November 2007, Munich, Germany.

2005 Natalia Soares Quinete, Daniella Rodrigues Fernandes, Irene Baptista Allleluia, Elba dos Santos de Oliveira, Ricardo Erthal Santelli. Poster: "Persistent Organochlorine Pollutants in water and soils from remaining fragments of Mata Atlântica, RJ". 13th National Meeting of Analytical Chemistry (13o ENQA) and 1st Iberoamerican Congress of Analytical Chemistry (1o CIAQA): Analytical Chemistry and Susteinable Development, Universidade Federal Fluminense, Niteroi, Rio de Janeiro, Brazil.

2004 Natalia Soares Quinete, Elba Oliveira, Ricardo Santelli. Poster: "Research of organochlorine pollutants in remaining fragments of Mata Atlântica, RJ". II meeting of Researchers of Serra dos Órgãos National Park (PARNASO) and Seminary "Cooperation Brazil-Germany in the Mata Atlântica Programme (BLUMEN Project)".

2000 QUINETE, N. S.; SEIDL, P. R. The effects of bond polarity on the organic molecules of alkyl halides. In: JORNADA DE INICIAÇÃO CIENTÍFICA, 08. Rio de Janeiro. Anais. Rio de Janeiro: CETEM/MCT, 2000 (complete manuscript in portuguese).

WORK IN PROGRESS

Publications and Book Chapter in Review or Revision

1. **Natalia Quinete***, Berrin Tansel, Yelena Katsenovich, Joshua Ocheje, Maria Mendonza Manzano, Zariah Nasir (2025). Leaching profile of per- and polyfluoroalkyl substances from selected e-waste components and potential exposure pathways from discarded components. Journal of Hazardous Materials (under review)
2. Kiflom Gebreab, Ariel Lawson, Giancarlos Garcia, Jessica Fox, Daniel Benetti, John D. Stieglitz, **Natalia Soares Quinete** and John P. Berry (2025) Bioconcentration and toxicity of perfluoroalkyl substances (PFAS) in embryonic stages of the ecologically and commercially relevant Olive Flounder (Paralichthys olivaceus), and the zebrafish (Danio rerio) embryo model system. Ecotoxicology (under revision)
3. Courtney Heath, Amy Castaneda, Edward Ornstein, Maria Guerra de Navarro, Brendan McNamee, Sergio Najera, Daniel Calzadilla, Natalia Quinete* (2025). Per- and Polyfluoroalkyl

Substances (PFAS) Composition and Distribution in Surface Water of the Miccosukee Indian Reservation, Everglades and Tributaries in the Coastal Environment of Miami, Florida. Environmental Research (under review)

FUNDED RESEARCH AND TRAINING (2020-present; Total awarded: $3,264,573)
Active Awards (Total: $3,199,573, with $2,849,573 as PI)

Integrated Watershed Monitoring and Predictive Modeling for PFAS Transport in Water Systems,
Funding Organization: EPA R4- SFL
Role on the grant: PI
Award Amount: $ 375,300, 2 years
Project Duration: 2025-2027

PFAS in biosolids: Leaching from Florida biosolids, compost, and biochar amended biosolids,
Funding Organization: State University System of Florida Hinkley Center for Solid and Hazardous Waste Management
Role on the grant: Co-PI
Award Amount: $50,000, 1 year
Project Duration: 2024-2025

Development of multifunctional MOFs for remediation of PFAS impacted groundwater.
Funding organization: DOE MSIPP
Role on the grant: PI
Award Amount: $350,000 (FIU:$280,000)
Project Duration: 2024-2025

Next Generation Compact SRF Accelerators for Industrial Applications
Funding organization: DOE
Role on the grant: PI FIU
Award Amount FIU: $583,412
Project Duration: 2024-2026

Collaborative Research: Design of High Entropy Alloy Electrocatalysts for Mineralization of Total Organic Carbon in Municipal Wastewater
Funding organization: NSF Environmental Engineering (1440) program
Role on the grant: PI FIU
Award Amount FIU: $60,416
Project Duration: 2023-2026

A Novel Redox Material (FeSO3) for Efficient and Rapid Treatment of Concentrated PFAS Matrices
Funding organization: SERDP
Role on the grant: PI FIU
Award Amount FIU: $333,252
Project Duration: 2023-2026

Innovative methodology based on a non-targeted screening approach (NTA) combined with activity patterns for estimation of soil and dust ingestion rate in children.
Funding organization: EPA STAR program

Role on the grant: PI
Award Amount FIU: $1,217,193
Project Duration: 2021-2025

CREST Phase 2: Center for Aquatic Chemistry & Environment (CAChE)
Funding organization: NSF
Role on the grant: Senior Personnel
Award Amount FIU: $5,000,000 (NSQ:$300,000)
Project Duration: 2021-2026

Completed Awards (Total: $65,000)

PFAS in biosolids: Partitioning during wastewater treatment and leaching from Florida Biosolids
Funding organization: Hinkley Center for Solid and Hazardous Waste Management
Role on the grant: co-PI (PI Dr. Tansel)
Award Amount: $45,000
Project Duration: 2023-2024

PFAS exposure assessment in firefighters
Funding organization: University of Miami
Role on the grant: PI
Award Amount FIU: $20,000
Project Duration: 2023-2024

Awards/Grants prior to current appointment (Total: $105,080):

Screening for water quality degradation along Everglades National Park's West Coast: A holistic unattended chemical analysis approach
Funding organization: National Park Services
Role on the grant: co-PI
Award Amount: $75,000
Project Duration: 2017-2019

Non-targeted screening of emerging contaminants in surface and tap waters as a tool to fingerprint chemicals of potential environmental health concern.
Funding organization: National Park Services
Role on the grant: PI
Award Amount: $2,000
Project Duration: 2018-2019

Determination of 1-methylnaphthalene and phenanthrene in toxicity studies with shallow-water corals".
Funding organization: Nova Southeastern University
Role on the grant: PI
Award Amount: $28,080
Project Duration: 2018-2019

PROFESSIONAL HONORS, PRIZES, FELLOWSHIPS

At Florida International University

2024 UGS Excellence Award for Mentorship of Graduate Students
2023 Research Award, College of Arts, Sciences and Education
2023 Top Scholar Award, Florida International University

External
2024 Distinguish Research Grant- The Prince Sultan Bin Abdulaziz International Prize for Water (PSIPW)- participation grant at the 20th annual Workshop on Emerging High-Resolution Mass Spectrometry (HRMS) and LC-MS/MS applications in environmental analysis and food safety.

External (prior current appointment)
2010 - 1 year research fellowship at the National Institute of Technology in Rio de Janeiro, Brazil (provided by CNPq).
2007 - 1 year scholarship from the Brazilian government (CAPES) to develop part of my PhD at the Johannes Gutenberg University of Mainz, Germany.
2006 - 4 years scholarship from the Brazilian government (CNPq) for a Ph.D. position in Analytical Chemistry.
2005 - 11 months postgraduate scholarship at the National Institute of Technology in Rio de Janeiro, Brazil.
2000 - 2 years scholarship from the Brazilian government (CNPq) for Scientific Initiation at the Brazilian Center for Physical Research (CBPF).
1999 - 1 year scholarship from the Brazilian government (CNPq) for Scientific Initiation at CETEM- UFRJ (Minerals Technology Center, Federal University of Rio de Janeiro)

OFFICES HELD IN PROFESSIONAL SOCIETIES

Chair and Moderator of NTA session and live debate, SETAC North America 41st Annual Meeting Session (**2020**). "Session title: Advances and Applications of Non-Target Analysis in Environmental Monitoring."

Member of Steering committee SETAC Chemistry Interest Group, SETAC North America Chemistry Interest Group, Society of Environmental Toxicology and Chemistry (**2022-present**)

Journal Outreach/Education Committee Chair, Benchmarking and Publications for Non-Targeted Analysis (BP4NTA) Working Group (https://nontargetedanalysis.org/). (**2018-2023**)

Chair and Moderator of NTA session and live debate, SETAC North America 42nd Annual Meeting Session (**2021**). "Session title: Moving Forward with Non-Targeted Analysis (NTA): Discussing and addressing current challenges and issues.", Portland, Oregon.

UNESCO Coordination of activities in the area of emerging pollutants, including microplastic with the UNESCO Chair on Sustainable Water Security at the Institute of the Environment- **Fall 2022-present**

Chair Session and Moderator of NTA session titled "Advances in Methodologies and Applications of Non-Targeted Analysis for PFAS", SETAC 43rd Annual Meeting (**2022**), November 13-17th, Pittsburg, Philadelphia.

Chair of session "Beyond Legacy PFAS: Human Exposure to Novel PFAS and PFAS Mixtures", International Society of Exposure Science (ISES), 27-31 August in Chicago (**2023**).

Chair NTA session "Advances to address challenges in Non-targeted Analysis for Environmental Risk Assessment", SETAC North America 44th Annual Meeting Session (**2023**), 12 – 16 November, Louisville, Kentucky.

Chair of session "Bridging the Gap Between the Unknown and the Known for PFAS Analysis" , SETAC North America 45th Annual Meeting Session (**2024**), 20 – 24 October, Fort Worth, Texas.

Panelist for International Experiences & Career Development Seminar, SETAC North America 45th Annual Meeting Session (**2024**), October 22, Fort Worth, Texas.

Chair of session "Beyond Legacy PFAS: Human Exposure to Novel PFAS and PFAS Mixtures" , International Society of Exposure Science (ISES), 20 – 24 October in Montreal (**2024**).

OTHER PROFESSIONAL ACTIVITIES AND PUBLIC SERVICE

Departmental Service

FIU Chemistry Graduate Environmental Track Committee (Fall 2020 – present)
FIU Chemistry Department Graduate Recruitment Committee (Fall 2020 – Spring 2023)
Search and Screen Committee, Open Rank Faculty Search Committee in Physical Chemistry (2021)
Search and Screen Committee, Open Rank Faculty Search Committee in Analytical Chemistry (2022)
FIU Chemistry Department Graduate Committee (Fall 2023 – present)
Coordinator of the Graduate Environmental track (2024-present)

University Service

Reviewer for FIU DEA/DYF applications (2023-2024, 2024-2025)
Reviewer for CASE Dean's Distinguished Doctoral Fellowship (2024, 2025)
Judge – Undergraduate Student Research Symposium-URFIU (2022 and 2024)

Selected Professional Workshops Attended (2020-present)

2024. Hispanic Serving Research Universities (HSRU) Writing Retreat, March 25-27, 2024, Santa Ana, CA.
2023. PFAS MS Applications Day, October 25, Milford, MA
2023. HSRU Conference on Hispanic Women in Physical Sciences and Engineering, June 26-29, 2023, Santa Cruz, CA
2023. PFAS Forum, May 15-17, 2023 ,Orlando, FL.
2023. Adopting a Midsemester Student Feedback Practice- Workshop by FIU CAT
2022. ACS Southeastern Regional Meeting (SERMACS), October 18-22, 2023, San Juan, Puerto Rico.
2021 NSF Early Career Investigator Workshop, May 17-18, 2021, in a virtual format
2020. The Inclusive/Culturally Responsive Teaching Workshop- CAT
2020. Tips for Mentoring Graduate Students Workshop- CAT
2020. Language Professional Development offered by the FIU English Language Institute
2020. ACS webinars: Teaching Remotely Together: Lessons Learned
2020. Remote Teaching Ready Micro-Credentialing program (obtained the FIU Remote Teach Ready badge)
2020. Canvas workshops (Canvas Essential, Canvas: Course Design, Canvas: Assignments and Quizzes, Canvas: Grading and Progress Monitoring and VoiceThread Training) offered at FIU

Symposia co-Organized and Participation in national and international committees

2024. Organizing Committee of virtual workshop "Unwritten Curriculum No more", a proposal writing skills workshop to increase participation of minority and underrepresented groups of early career researchers in STEM (especially graduate students and postdocs), July 11-12.

2024. Member of the Technical Awareness Group (TAG) from the projects "Fate and Transport of PFASs in the Landfill – Impact of the Perfluoroalkyl Chain Length" and "Fate and Transport of Volatile PFAS in Bench-Scale Municipal Solid Waste Landfills", funded by Hinkley Center/State of Florida.

2024. Organizing Committee of "The 33rd International Conference on Ion Mobility Spectrometry" ISIMS (2024), July 20-26, Miami Beach, FL.

2024. Organizing Committee of "Females in Mass Spectrometry FEMS+"event, July 23, 2024, Miami Beach, FL

2023. Scientific Committee of the 19th Annual Workshop on Emerging HRMS and LC-MS/MS Applications in Environmental Analysis and Food Safety, 24-25th September **2023**, Buffalo, NY.

2019. Scientific Committee Chair and Organizing Committee of the 15th annual Workshop on LC-MS/MS Applications in Environmental Analysis and Food Safety, 29-31st May **2019**. Miami Beach.

Editorial Service

1. Executive Editor- Desalination and Water Treatment journal (Elsevier)- Spring 2024-present
2. Editorial Board- Science of Total Environment- Spring 2024- present
3. Associate Editor in Marine Pollution Assessments and Solutions- Spring 2023-present
4. Editorial Board-Environmental Toxicology and Chemistry-Spring 2023- present
5. Review Editor for Frontiers in Analytical Chemistry- Fall 2022-present
6. Editorial Board- Toxicology Reports-Summer 2020- present
7. International Aquatic Research- Summer 2020-Spring 2022

Editorship:

2024-ongoing. Special issue "Innovative strategies for Water treatment of Per and Polyfluroroalkyl substances (PFAS)" at Desalination and Water Treatment. (DWT).

2024-ongoing. Special issue "Linking PFAS sources to monitoring data – can hotspots of environmental contamination be linked to potential sources?" at Frontiers in Environmental Chemistry.

2023-2024. Special issue "Transformation of Environmental Contaminants: Uncovering Reaction Mechanisms and Identifying Novel Products" Environmental Toxicology and Chemistry at Environmental Toxicology and Chemistry (ET&C), SETAC journal.

2021-2022. Special issue "The Impact of Organic Contaminants on Environmental and Human Health", International Journal of Environmental Research and Public Health (IJERPH).

2021-2022. Co-Editor, CRC PRESS Book "Lead, Mercury and Cadmium in the Aquatic Environment: Worldwide Occurrence, Fate and Toxicity".

2020-2022. Special issue "Advances in Methodology and Applications of Non-Target Analysis in Environmental Monitoring", Environmental Toxicology and Chemistry at Environmental Toxicology and Chemistry (ET&C), SETAC journal.

2020-2022: Special issue "Collection on Fate and Removal of Poly- and Perfluoroalkyl Substances (PFAS) in Natural and Engineered Systems", Journal of Environmental Engineering (JEE).

Journal Article Reviews (2008-present; average 25 manuscripts/year)

Environmental Science and Technology, Journal of Chromatography A, Journal of Chromatography B, Marine Pollution Bulletin, African Journal of Biotechnology, Science of Total Environment, Chemosphere, Talanta, Archives of Environmental Science, International Journal of Environmental Health Research, International Journal of Environmental Analytical Chemistry, Environmental Science and Pollution Research, Environmental Pollution, Journal of Agricultural and Food Chemistry, Analytica Chimica Acta, European Thyroid Journal, The Journal of Steroid Biochemistry and Molecular Biology, Scientific Reports, Environmental Monitoring and Assessment, Analytical Methods, Environment International, Bulletin of Environmental Contamination and Toxicology, Human and Experimental Toxicology, Trends in Analytical Chemistry, Trends in Environmental Analytical Chemistry, Environmental Toxicology and Chemistry, Ecotoxicology, Journal of Environmental Engineering, Heliyon, Journal of Hazardous Materials, Journal of the American Society for Mass Spectrometry, Ecotoxicology and Environmental Safety, Water Research, Eco-Environment & Health, Journal of Exposure Science and Environmental Epidemiology, among others.

MEDIA COVERAGE

2025. Interviews with graduate student Courtney Heath and Natalia Quinete about the research in collaboration with the Miccosukee Water Quality Director: https://news.fiu.edu/2025/forever-chemicals-found-for-first-time-in-miccosukee-indian-reservation

2025. Driving Progress in PFAS Analysis: An LCGC International Peer Exchange : Pressing Analytical Challenges in PFAS Analysis with Rainer Lohmann, Carrie McDonough, Natalia Soares Quinete, Stefan van Leeuwen. https://www.chromatographyonline.com/peer-exchange/driving-progress-in-pfas-analysis-an-lcgc-international-peer-exchange

2025. NBC interview with Natalia Quinete about partial rollback of PFAS standards: https://www.nbcmiami.com/responds/what-you-need-to-know-about-the-partial-rollback-of-pfas-standards/3628583/

2025. Interview with Executive Editors Prof. Ho Kyong Shon and Ass. Prof. Natalia Soares Quinete, Executive Editors of Desalination and Water Treatment.: https://www.sciencedirect.com/journal/desalination-and-water-treatment/about/videos/interview-with-executive-editors

2025. Multiple interviews with graduate student Maria Guerra and Natalia Quinete on PFAS in rainwater and movement through the water cycle. https://news.fiu.edu/2024/its-literally-raining-forever-chemicals-in-miami, https://www.stopplastico.org/maria-guerra-de-navarro-los-pfas-se-mueven-por-todo-el-planeta/, https://floridaspecifier.com/jan-feb-2025/its-raining-pfas-in-south-florida-a-dialogue-with-florida-international-universitys-dr-soares-quinete/, https://nypost.com/2024/11/04/science/its-raining-forever-chemicals-in-miami-and-likely-everywhere-else-study-warns/, https://phys.org/news/2024-11-rainwater-samples-reveals-literally-chemicals.html, https://www.vox.com/climate/401600/pfas-microplastics-pollution-rain

2024. Miami Herald Interview with Natalia Quinete about new regulated MCLs by EPA (https://www.miamiherald.com/news/health-care/article287552315.html)

2024. Media news on PFAS getting into Biscayne Bay (https://theconversation.com/pfas-forever-chemicals-are-getting-into-ocean-ecosystems-where-dolphins-fish-and-manatees-dine-we-traced-their-origins-216254)

2023. NPR interview with Natalia Quinete about PFAS in water in Broward county (https://www.wlrn.org/podcast/the-south-florida-roundup/2023-09-22/city-of-miami-affordable-housing-forever-chemicals-pfas-tps-venezuelans)

2023. Interview with Natalia Quinete about the Concerns growing over chemicals found in South Florida water (https://www.local10.com/news/local/2023/10/06/concerns-growing-over-chemicals-found-in-south-florida-water/)

2023. Article by Natalia Quinete on Advances in Methodologies and Applications of Non-Targeted Analysis for PFAS (https://www.setac.org/resource/methodologies-applications-non-targeted-analysis-pfas.html)

2023. SETAC news on the North America Chemistry Interest Group (https://www.setac.org/resource/meet-the-chemistry-interest-group-enhancing-environmental-chemistry-through-science-awards-and-outreach.html)

2022. Interview with Natalia Quinete on PFAS Water Quality and Quantity (https://www.floridamuseum.ufl.edu/earth-systems/blog/water-quality-and-quantity-2/)

2022. Interview with Natalia Quinete about PFAS on accumulation in fish, deer and wildlife (https://apnews.com/article/science-michigan-animals-fish-wildlife-bc8f77b2935ba127c85a27eb6d07a30a)

2022. Miami Herald Interview with Natalia Quinete about PFAS in oysters and implications to drinking water (https://www.miamiherald.com/news/local/environment/article263227843.html)

2022. Testimony from REU student on research conducted in the lab (https://artsci.tamu.edu/news/2022/11/catie-kaylor-two-unforgettable-summers-of-oceanography-research.html)

2022. Multiple news on PFAS studies Florida oysters- interviews with Natalia Quinete and Leila Lemos (*postdoc*)

https://www.cbsnews.com/news/forever-chemicals-potentially-hazardous-to-human-health-found-in-florida-oysters/

https://www.cbsnews.com/miami/news/scientists-sample-156-florida-oysters-find-dangerous-forever-chemicals-in-each/

https://www.tampabay.com/news/environment/2022/07/08/chemicals-taint-florida-oysters-what-that-could-mean-about-our-drinking-water/

https://www.newsweek.com/dangerous-forever-chemicals-found-florida-oysters-study-1722689

https://www.local10.com/news/local/2022/07/06/in-study-biscayne-bay-oysters-come-out-on-topfor-toxic-forever-chemicals/

A more complete media report can be found here: https://app.criticalmention.com/app/#/report/384e2eba-57c8-4d81-9de3-252cea1d4cc5

2021. News on EPA STAR award to Natalia Quinete (https://www.epa.gov/newsreleases/epa-awards-florida-international-university-over-12-million-better-understand-exposure) and (https://news.fiu.edu/2021/fiu-receives-1.2-million-from-epa-to-study-childrens-chemical-exposure-from-soil)

2021. Toxic 'forever chemicals' found in tap water raise questions for scientists- interview with Natalia Quinete (https://phys.org/news/2021-10-toxic-chemicals-scientists.html)

2021. REU student success story in the lab (https://casenews.fiu.edu/2021/11/09/reu-student-studies-biscayne-bay-oysters-exposure-to-pfas/)