



**NAME:** Adebayo Solanke

**DEGREE:**

- Environmental Science and Policy (MS), University of South Florida, St. Petersburg (2017)
- Biochemistry (MSc.), University of Lagos, (2011).

**DISSERTATION TITLE:** Temporal and Spatial Distributions of Trace Metals, Persistent Organic Pollutants, and Benthic Foraminifera in Apalachicola Bay, Florida

**RESEARCH INTEREST:**

I monitor pollutants in the environment. As an environmental chemist, I study the impact of environmental pollutants and their impact on ecosystems and humans. My research areas include heavy metal pollution and persistent organic pollutants (POPs) in the environment. My recent work focuses on using benthic foraminifers as stress response bioindicators of heavy metal pollution in estuarine environments and the fate and transport of POPs.

**PUBLICATIONS:**

- **Solanke**, A.S. and Alegria, H.A., 2023. Measurement of Levels of Organophosphate Flame Retardants (OPFRs) in Indoor Dust in the Tampa Bay Area, Florida. (Submitted for publication).
- Martinez-Colon, M. and **Solanke**, A., 2022. Apalachicola Bay environmental evolution and pollutant status. Annual Report to Triumph Gulf Coast Inc. <https://marinelab.fsu.edu/media/5316/absi-annual-report-2021-2022-final.pdf>
- **Solanke**, A., 2020. Dangote's new oil refinery and the environment: My fear. Nigeria Health Online. <https://www.nigeriahealthonline.com/2020/03/20/dangotes-new-oil-refinery-and-the-environment-my-fear.nho/>
- **Solanke**, A., 2018. Conflict between Herdsmen and Farmers in Nigeria, the Role of Environmental Policy. LinkedIn. <https://www.linkedin.com/pulse/herdsmen-farmers-clashes-nigeria-role-environmental-policy-solanke>
- **Solanke**, A.S., Ebuchi, O.A.T., and Adetona, M.O., 2016. Toxicological Effects of Ethanolic Extract of Cannabis *sativa* on Brain Serotonin in Adult Wistar Rats. American Journal of Biochemistry, v. 6(4): 97-99. DOI: 10.5923/j.ajb.20160604.02.
- Adetona, M. O., **Solanke**, A.S., and Amusan, K.A., 2014. Ameliorative and Protective Effects of Omega 3 – Fatty Acid on Testicular Lipid Concentration in Ethanol-Induced Wistar Rats. American Journal of Biochemistry, v. 4(2): 25-28. DOI:10.5923/j.ajb.20140402.02.

**ABSTRACTS:**

- **Solanke**, A., Jagoe, C., Alegria, H., and Martínez-Colón, M., 2024. Spatial distributions of persistent organic pollutants in Apalachicola Bay. Apalachicola National Estuarine Research Reserve Symposium in Apalachicola-FL. (**POSTER**)
- **Solanke**, A., Alegria, H., Jagoe, C. and Martínez-Colón, M., 2023. Historical Levels of Polychlorinated Biphenyl (PCBs) in the Sediments of Apalachicola Bay, Florida. Society

of Environmental Toxicology and Chemistry (SETAC) North America 44th Annual Meeting, Louisville, KY (**POSTER**)

- **Solanke, A.** and Martínez-Colón, M., 2022. ABSI updates: the historical evolution of heavy metals from Apalachicola Bay. Apalachicola National Estuarine Research Reserve Symposium in Apalachicola-FL. (REMOTE: **ORAL**)
- **Solanke, A.**, Martínez-Colón, M., Fajemila, O., Jagoe, C. 2022. Spatial And Temporal Distribution of Heavy Metals in Apalachicola Bay. Society of Environmental Toxicology and Chemistry (SETAC) North America 43rd Annual Meeting, Pittsburgh, PA. (**POSTER**)
- **Solanke, A.** and Martínez-Colón. 2022. Historical Environmental Health Changes of a Superfund Site in Puerto Rico. Society of Environmental Toxicology and Chemistry (SETAC) North America 43rd Annual Meeting, Pittsburgh, PA. (**POSTER**)
- **Solanke, A.**, and Alegria, H. 2017. Measurement of Levels of Organophosphate Flame Retardants (OPFRs) in Indoor Dust in the Tampa Bay Area. Society of Environmental Toxicology and Chemistry (SETAC) North America 38th Annual Meeting, Minneapolis, MN. (**POSTER**)

#### **HONORS AND AWARDS:**

- ESPG Fellowship, USF St. Petersburg. 2016-2017
- Omicron Delta Kappa – The National Leadership Honor Society. 2017