

Gustavo Adolfo Domínguez Cazco
Associate Professor

 **Websites (Google Scholar)**

EDUCATION

Ph.D. Environmental Health Sciences, 2012, University of South Carolina, Columbia, SC

M.S. Environmental Health Sciences, 2009, University of South Carolina, Columbia, SC

B.Sc. Biology, 1997, University of Guayaquil, Ecuador

SERVICE ON THIS FACULTY (7 years)

2015-2021, Lecturer

2021-present, Associate Professor

OTHER RELATED EXPERIENCE

01/13 – 08/15, Post-Doctoral Research Associate, School of Freshwater Sciences,
University of Wisconsin-Milwaukee, WI

CONSULTING AND PATENTS (n/a)

STATE IN WHICH REGISTERED (n/a)

PUBLICATIONS LAST FIVE YEARS

1. "Microplastics and macroplastic debris as potential physical vectors of SARS-CoV-2: A hypothetical overview with implications for public health," J. J. Alava, A. Tirapé, K. McMullen, M. Uyaguari, G. Domínguez. *Microplastics*, **1**, 156-166. (2022).
2. "Composition, Abundance and Sources of Anthropogenic Marine Debris on the Beaches from Ecuador -a volunteer-supported study," N. Gaibor, V. Condo-Espinel, M.H. Cornejo-Rodríguez, J. J. Darquea, B. Pernía, G.A. Domínguez, M. E. Briz, L. Márquez, E. Laaz, C. Alemán-Dyer, U. Avendaño, J. Guerrero, M. Preciado, D. Honorato-Zimmer, M. Thiel. *Mar. Pollut. Bull.*, **154**, 111068. (2020).
3. "Persistent organic pollutants and mercury in genetically identified inner estuary bottlenose dolphin (*Tursiops truncatus*) residents of the Guayaquil Gulf, Ecuador: Ecotoxicological science in support of pollutant management and cetacean conservation," J.J. Alava, P. Calle, A. Tirapé, G. Biedenbach, O. Alvarado, K. Maruya, W. Lao, W. Aguirre, P.J. Jiménez, G.A. Domínguez, G.D. Bossart, P.A. Fair. 2020. *Front. Mar. Sci.* **122**. (2020).
4. "El Canario en la Mina de Carbón: Delfines Bufeos (*Tursiops truncatus*) del Golfo de Guayaquil como Centinelas de la Polución Marino-Costera en Ecuador" J.J. Álava, P.J. Jiménez, A. Tirapé, P. Calle, O. Alvarado, G.A. Domínguez, M. Calle, P. Fair. *Acta Oceanogr. Pac.* **23**, 57-65. (2019).
5. "Mercury assessment, macrobenthos diversity and environmental quality conditions in the Salado Estuary (Gulf of Guayaquil, Ecuador) impacted by anthropogenic influences," P. Calle, L. Monserrate, F. Medina, M. Calle, A. Tirapé,

- M. Montiel, O. Ruiz, O. Alvarado, G. A. Domínguez, J.J. Alava. *Mar. Pollut. Bull.*, **136**, 365-373. (2018)
6. "Size dependent oxidative stress response of the gut of *Daphnia magna* to functionalized nanodiamond particles," G.A. Domínguez, M.D. Torelli, J.T. Buchman, C.L. Haynes, R.J. Hamers, R.D. Klaper. *Environ. Res.*, **167**, 267-275. (2018).

PROFESSIONAL SOCIETIES

Society of Environmental Toxicology and Chemistry (SETAC)

HONORS AND AWARDS

Outstanding Graduate Student Award, 2009 Department of Environmental Health Sciences, Arnold School of Public Health, University of South Carolina, Columbia, SC.

INSTITUTIONAL AND PROFESSIONAL SERVICE (LAST FIVE YEARS)

Department of Biology Academic Advisor
Department of Biology Capstone Project Mentor
Department of Biology Preprofessional Practice Advisor
Department of Biology Undergraduate Research Mentor
Department of Biology Teaching Head for the Environmental Track

TIME DISTRIBUTION

50% Research and 50% Undergraduate Teaching, 100% Committed to Department of Biology.