

Ana Jesenia Tirapé Bajaña

Associate Professor

Websites (Google scholar):

<https://scholar.google.es/citations?hl=es&user=WKfXUi8AAAAJ>

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EDUCATION

Ph.D. In Science. 2007. University of Montpellier II (France).

M.Sc. Biotechnology and Genetic Engineering. 2003 University of Guayaquil (Ecuador).

B.S. Biology. 1996 University of Guayaquil (Ecuador).

SERVICE ON THIS FACULTY (10 years)

2013-present, Associate Professor

OTHER RELATED EXPERIENCE

2002-2003 Parque Nacional Galápagos. Laboratorio de Epidemiología, Patología y Genética de Galápagos. (Ecuador).

Lab Assistant: “Establishment of molecular techniques applied to the diagnosis of bacterial and viral diseases of wildlife in the Galapagos Islands”

CONSULTING AND PATENTS (n/a)

STATE IN WHICH REGISTERED (n/a)

PUBLICATIONS LAST FIVE YEARS

1. Alava, J.J., McMullen, K., Jones, J., Barragán-Paladines, M.J., Hobbs, C., Tirapé, A., Calle, P., Alarcón, D., Muñoz-Pérez, J.P., Muñoz-Abril, L., Townsend, K.A., Denking, J., Uyaguari, M., Domínguez, G.A., Espinoza, E., Reyes, H., Piedrahita, P., Fair, P., Galloway, T., Grove, J.S., Lewis, C. and Schofield, J. (2022), Multiple Anthropogenic Stressors in the Galápagos Islands' Complex Social-Ecological System: Interactions of marine pollution, fishing pressure and climate change with management recommendations. Integr Environ Assess Manag. Accepted Author Manuscript. <https://doi.org/10.1002/ieam.4661>
2. Alava, J.J.; Tirapé, A.; McMullen, K.; Uyaguari, M.; Domínguez, G.A. Microplastics and Macroplastic Debris as Potential Physical Vectors of SARS-CoV-2: A Hypothetical Overview with Implications for Public Health. Microplastics 2022, 1, 156-166. <https://doi.org/10.3390/microplastics1010010>
3. Freire-Peñaherrera, A.M., Tirapé, A., Landívar-Zambrano, J., Cevallos-Cevallos, J.M. 2020. A Strain of Bacillus amyloliquefaciens Can Prevent Vibrio vulnificus Colonization in Crassostrea gigas Oysters. Frontiers in Marine Science 7, 596343

4. Alava, J.J., Calle P., Tirapé A., Biedenbach G., Alvarado O., Maruya K., Lao W., Aguirre W., Jimenez P. Domínguez G., Bossart G., P. Fair, 2020. 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. *Frontiers in Marine Science* 7(122):1-24.
5. Juan José Alava, Pedro J. Jiménez, Ana Tirapé, Paola Calle, Omar Alvarado Cadena, Gustavo A. Domínguez, Madeleine Calle Delgado, Patricia Fair. 2019. El Canario en la mina de carbón: delfines Bufeos (*Tursiops truncatus*) del Golfo de Guayaquil como Centinelas de Polución marino-costera en Ecuador. *Acta Oceanográfica del Pacífico* (23:1).
6. Calle, P. C., B. L. Monserrate, F. Medina, M. Calle, A. Tirapé, M. Montiel, O. Ruiz, O. Alvarado, G. A. Domínguez, J.J. Álava. 2018. Mercury assessment, macrobenthos diversity and environmental quality conditions in the Salado Estuary (Gulf of Guayaquil, Ecuador) impacted by anthropogenic influences *Marine Pollution Bulletin* 136:365-373
7. Alava JJ, Barragán-Paladines MJ, Denkinger J, Muñoz-Abril L, Jiménez PJ, Paladines F, Valle CA, Tirapé A, Gaibor N, Calle M, Calle P, Reyes H, Espinoza E, Grove JS. 2017. Massive Chinese Fleet Jeopardizes Threatened Shark Species around the Galápagos Marine Reserve and Waters off Ecuador: Implications for National and International Fisheries Policy. *Int J Fisheries Sci Res.* 2017; 1(1): 1001.

PROFESSIONAL SOCIETIES

Society of Environmental Toxicology and Chemistry (SETAC)

HONORS AND AWARDS

Research Travel Award funded by French Government (Sept-Nov 2022)

Scholarship for Doctoral Studies, funded by French Government 2004-2007

INSTITUTIONAL AND PROFESSIONAL SERVICE (LAST FIVE YEARS)

Department of Biology Academic Advisor

Department of Biology Undergraduate Research Mentor

TIME DISTRIBUTION

80% Academic management (Subdean), 20% Undergraduate Teaching