

Alex Santillán-Sarmiento



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Current Position: Postdoc

Current Affiliation:

Section Integrated Marine Ecology, Stazione Zoologica Anton Dohrn, Napoli (Italy)

Education/Training/Experience

Institute and Location	Degree / Function	Year	Field of Study
Escuela de Ciencias Biológicas, Pontificia Universidad Católica del Ecuador	Bachelor's degree	2003-2009	Biological sciences
Dipartimento di Biologia, Ecologia e Scienze della Terra, Università della Calabria, Italia	Master	2010-2012	Molecular and Cell Biology
School of Biological and Marine Sciences, University1 of Plymouth, UK	Ph.D.	2013-2018	Stress responses to metal and thermal stress in marine macroalgae.

Appointments and awards

2006 Student representative to the Faculty of Exact and Natural Sciences council, Pontifical Catholic University of Ecuador.

2010 University of Calabria grant to study Masters in Biology Programme

2012 Government of Ecuador grant to study PhD in Marine Studies programme at University of Plymouth, UK

2014 Internalisation Mobility Support Santander Universities Scholarship Plymouth University.

Other

Member of the International Phycological Society, Society of Environmental Toxicology and Chemistry (SETAC).

Students' Supervision

Co- supervisor of undergraduate and Masters' students at Plymouth University

Publications

List of publications of the last 10 years

Peer-reviewed publications

McCoy, S.J., Santillán-Sarmiento, A., Brown, M.T., Widdicombe, S., Wheeler, G.L. (2019) Photosynthetic responses of turf-forming red macroalgae to high-CO₂ conditions *Journal of Phycol.* Accepted Author Manuscript. doi:10.1111/jpy.12922.

Celis-Plá PSM, Brown .MT, Santillán-Sarmiento A, Korbee N, Sáez CA, Figueroa FL (2018). Ecophysiological and metabolic responses to interactive exposure to nutrients and copper excess in the brown macroalga *Cystoseira tamariscifolia* *Marine Pollution Bulletin* 128: 214-222

Cevallos, Y., Molina, L., Santillán, A., De Rango, F., Rushdi, A., Alonso, J.B. (2017). A Digital Communication Analysis of Gene Expression of Proteins in Biological Systems: A Layered Network Model View. *Cognitive Computation* 9 (1): 43-67.

Carpio C, Dangles O, Dupas S, Léry X, López-Ferber M, Orbe K, Páez D, Rebaudo F, Santillán A, Yangari B, Zeddám JL. (2013). Development of a viral biopesticide for the control of the Guatemala potato tuber moth *Tecia solanivora*. *Journal of Invertebrate Pathology*. 112 (2): 184-191.