

María José Marín Jarrín

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Education

- Ph. D. Earth Sciences (Oceanography), Start date: Fall, 2016.
University of Oregon, Eugene, OR.
Research Advisor: Dr. David Sutherland
- M.S. Oceanography. Graduation date: December/2016.
University of New Hampshire, Durham, NH.
Research Advisor: Dr. Thomas Lippmann
Thesis: Interannual Variability of Mixed Layer Dynamics in the Ecuadorian Ocean.
- B.S. Oceanography. Graduation date: September/2010.
Escuela Superior Politécnica del Litoral (ESPOL), Guayaquil, Ecuador.
Thesis: Simulación de un derrame de hidrocarburos en el puerto pesquero de Santa Rosa del cantón Salinas.
- TEFL certificate (Teaching English as a Foreign Language) – March, 2008.
University “Casa Grande”, Guayaquil, Ecuador.

Experience

Oceanographic Investigator

09/2013 – 06/2014

National Institute of Oceanography (INOCAR), Department of Ocean Sciences.
Guayaquil, Ecuador.

El Niño Southern Oscillation effect on Ecuadorian Coastal Stations. Sampling, Data processing and analysis, reporting. Physical oceanographer representative in National and International working groups on ENSO in the Eastern Pacific. Communication to general public.

Fisheries Investigator 04/2012 – 07/2013
National Institute of Fisheries (INP) of Ecuador, Guayaquil, Ecuador
Project: “Characterization of the marine coastal fringe within the first nautical mile of Ecuadorian coast in the biological-fisheries and oceanographic aspects”. Physical Oceanography aspects. Sampling, Data processing, analysis and reports.

Technical Hydrographer 03/2011 – 12/2011
National Institute of Oceanography (INOCAR), Department of Ocean Sciences. Guayaquil, Ecuador.
Project “Study of the energy of waves, ocean current and kinetic energy of rivers in Ecuador for Electricity Generation – Stage 1” Ministry of Electricity and Renewable Energy of Ecuador.

Technical Assessor 06/2009 – 12/2009
Executive Secretary of Action Plan for the Protection of the Marine Environment and Coastal Areas of the Southeast Pacific with the Faculty of Ocean Sciences of ESPOL. Guayaquil, Ecuador.
Project: Information System about Marine Biodiversity and Protected areas of the South Pacific (SIBIMAP-PSE).

Research Assistant 11/2004 – 04/2005
VLIR-ESPOL (Oc. Patricia Palacios)
Project: “Apply analysis and mapping tools of GIS to produce information useful for decision-makers”.

Field Assistant 04/2002 – 11/2003
Project “Nutrient Balance in the Guayas Basin and Guayaquil Gulf” directed by PhD. Mercy Borbor Jaramillo, in the University of Syracuse (SUNY) (2002-2003).

Other work experiences

English Teacher of GPP, APP, “Presentation” and “Socializing across cultures” modules. INLINGUA. 04/2009 – 02/2014.

Writer of the Primary School books, LifeLab 6 and LifeLab 7. Poligráfica Editorial. 04/2006 to 08/2008.

Primary school teacher (Science and English language) at Military High School “Teniente Hugo Ortiz Garcés”. 03/2005 – 03/2009.

Honors and Awards

3-minute challenge 2 nd place winner, UNH.	Winter/2016
Department of Earth Science, University of Oregon, Outstanding Teaching Assistant award.	Summer/2017

Funding Sources/Grants Awarded

Master Scholarship:

“CONVOCATORIA ABIERTA 2013, primera fase” National Secretary of Superior Education, Science, Technology and Innovation. Ministry of Education of Ecuador (August/2014 – September/2016), Total awarded \$103.020,00.

For Conferences and Summer schools:

Department of Earth Science, University of New Hampshire, travel grant for participation in Coast Tools summer school, Portugal. Summer/2015.

Department of Earth Science, University of Oregon, Spring award for EPOC Conference participation. Summer/2017.

Publications

THESIS: Marin Jarrin, M. (2011). Simulation of a hydrocarbon spill in the fisheries port of Santa Rosa of the canton Salinas. Undergraduate Thesis. FIMCBOR-ESPOL.

SCIENTIFIC-TECHNICAL REPORT: “Informe sobre las condiciones oceanográficas (Físicas) dentro de la primera milla frente a las provincias de Guayas y El Oro” (Report on the Oceanographic Conditions within the first nautical mile in front of the Guayas and El Oro provinces). 2013. National Institute of Fisheries (INP). Guayaquil, Ecuador.

THESIS: Interannual Variability of Mixed Layer Dynamics in the Ecuadorian Ocean. M. Sc. Thesis. University of New Hampshire.

Invited Talks and Poster Presentations

Poster presentation: *Shelf-Estuary coupling: A case study of the Coos Bay Estuary in southern Oregon*. State of the Coast - Oregon. Florence, Oregon. October 28, 2017.

Poster presentation: *Shelf-Estuary coupling: A case study of the Coos Bay Estuary in southern Oregon*. 64th Annual Eastern Pacific Ocean Conference (EPOC 2017). South Lake Tahoe, California. 17-20 September 2017.

Oral Presentation: School of Marine Science and Ocean Engineering, Graduate Student Research Symposium. UNH. *Observations of Surface Mixed Layer Variability in the Equatorial Pacific along the Coast of Ecuador*. April 21, 2016. Holloway Commons, UNH Durham Campus.

Oral Presentation: UNH Graduate School 2016, Graduate Student Research Conference. Oral Presentation: *Observations of Surface Mixed Layer Variability in the Equatorial Pacific along the Coast of Ecuador*. April 9, 2016. Holloway Commons, UNH Durham Campus.

Oral Presentation: Ocean Sciences Meeting/2016. PC31A-04 *Observations of Surface Mixed Layer Variability in the Eastern South Pacific along the coast of Ecuador*. February 24, 2016 (08:45 AM - 09:00 AM). Ernest N. Morial Convention Center - 211-213

Poster presentation: *Impacts of Climate Interannual Variability in Upwelling in the Eastern South Pacific along the coast of Ecuador*. As part of Proposal Development Course Work. ESCI-UNH. April 30, 2015.

Poster presentation: *Simulación de un derrame de hidrocarburos en el puerto pesquero de Santa Rosa del cantón Salinas*. 3rd Congress of Physical Oceanography, Meteorology and Weather in the South Oriental Pacific, DC.P2. Santiago, Chile. October 16, 2013.