



Prof. Dr. JOSE M. RIASCOS

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CURRICULUM VITAE

EDUCATION

Doctor rerum naturalium (Ph.D.), Jan 2009

Faculty of Sciences, University of Bremen (Bremen - Germany). Dissertation title: Thriving and declining: Population dynamics of (*Mesodesma donacium*, Bivalvia, Mesodesmatidae) along a latitudinal gradient of the Humboldt Current Upwelling System. Result: “magna cum laude”

B.Sc. Biology - specialization Marine Biology, May 1999

Universidad del Valle (Cali - Colombia). Thesis title: Population dynamics of *Donax dentifer* Hanley, 1843 (Bivalvia-Donacidae) from Bahía Málaga, Pacific coast of Colombia during “El Niño” 1997 - 1998.

SCIENTIFIC & ACADEMIC APPOINTMENTS

Assistant Professor, Jul 2019 – Present

Corporación Académica Ambiental, Marine Sciences campus, Universidad de Antioquia (Turbo – Colombia)

Associate researcher, September 2019 – Present

CEMarin - Corporation Center of Excellence in Marine Sciences (Bogotá – Colombia)

Associate Researcher, Mar 2018 – November 2018

Instituto de Ciencias del Mar y Limnología, Universidad del Valle (Cali - Colombia)

Postdoctoral Research Fellow, Nov 2015 - Nov 2017

Mangrove Ecology, Marine Biology Section, Department of Biology, Universidad del Valle (Cali - Colombia)

Associate Professor, Feb 2010 - Sep 2015

Instituto de Ciencias Naturales Alexander von Humboldt, Universidad de Antofagasta (Antofagasta - Chile).

Director, Apr 2014 - Sep 2015

Ph.D. Program in Applied Sciences-Coastal Marine Systems, Instituto de Ciencias Naturales Alexander von Humboldt, Universidad de Antofagasta (Antofagasta - Chile).

Head of Program, May 2011 - Sep 2015

Undergraduate Program in Marine Ecology, Universidad de Antofagasta (Antofagasta-Chile).

(Deputy) Director, May 2013 – Sep 2015

M. Sc. Program in Ecology of Aquatic Systems, Instituto de Ciencias Naturales Alexander von Humboldt, Universidad de Antofagasta (Antofagasta - Chile).

Invited Scientist, Jul 2007 - May 2009

Alfred Wegener Institute for Polar and Marine Research. (Bremerhaven-Germany).

Lecturer, Mar 2006 - Jul 2007

Marine Ecology Section, Universidad de Antofagasta, Instituto de Ciencias Naturales Alexander von Humboldt, Chile.

Researcher, Sep 1999 - Dec 2004

“Federico C. Lehmann” Museum of Natural History - Instituto Vallecaucano de Investigaciones Científicas (Cali - Colombia).

SCIENTIFIC EDITING & PEER REVIEW

Associate Editor, Jan 2021 – present

Journal of animal Ecology – British Ecological Society

Review Editor and Guest Editor, Jan 2014 - Present

Frontiers in Marine Science & Frontiers in Ecology and Evolution: <https://loop.frontiersin.org/people/117741/overview>. Currently editing the Research Topic “Eco-Evolutionary Dynamics of Marine Biodiversity in Human-Dominated Coastalscapes”:

Academic Editor, Dec 2018 - Present
PLoS ONE

Peer review record: I have been frequent reviewer for 23 scientific journals, and have reviewed more than 50 articles to date. A verified review record is available at: <https://publons.com/author/460289/jose-m-riascos#profile>

Reviewer for Grant Proposals: The National Geographic Society; Fondo Nacional de Desarrollo Científico y Tecnológico (FONDECYT - Chile); National Research Foundation South Africa.

Nature Masterclass online course: Focus on peer review. Jun 2018. Springer Nature

AWARDS & FELLOWSHIPS

Frontiers Community Support Fund, Aug 2017

Awarded by the College of Chief Editors, in recognition for distinguished work as a Review Editor for Frontiers in Marine Science

Research Travel Grant, Jul - Aug 2012

Training in jellyfish husbandry. Scottish Oceans Institute, St Andrews University, Scotland. Awarded by Universidad de Antofagasta (Chile)

Invited Scientist, Aug 2007 - Jan 2009

Population dynamics of marine bivalves. Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Germany. Awarded by CONICYCT Programa Bicentenario de Ciencia y Tecnología CENSOR - RUE - 02 and Universidad de Antofagasta (Antofagasta, Chile).

Travel Award, Jul 2007

World Congress of Malacology (Antwerp, Belgium, 15 - 20 Jul 2007). Awarded by Unitas Malacologica (Antwerp, Belgium).

Travel award, Nov 2006

Symposium “The Humboldt Current System: Climate, ocean dynamics, ecosystem processes and fisheries” (Lima, Perú. Nov 27 - Dec 1, 2006). Awarded by FAO - Institut de Recherche pour le Développement (France)

Travel award, Aug 2006

International Congress of Parasitology (Glasgow - Scotland, Aug 6 - 11, 2006). Awarded by The Malacological Society of London (UK).

Teaching Assistantship Jul 1992 - Dec 1994

Biology Program, Universidad del Valle, Cali, (Cali, Colombia)

RESEARCH GRANTS

Nov 2020-Oct 2024. (Coinvestigator). Training strategy for the construction and social appropriation of knowledge on biodiversity in the Urabá region. Funding: 3,924,728,811 COP (1.079.344 USD)

Dec 2019 – Jul 2021 (principal investigator) Surviving the Anthropocene: biological assemblages thriving in urbanized mangrove forests and the consequences for humans. Universidad de Antioquia – Colombia.

Ago 2017 – Mar 2019 (principal investigator) Assessing the role of benthic and microbial links on carbon dynamics of mangrove forests submitted to distinct levels of anthropogenic stress. Funding: 306,491,484 COP (98,400 USD) Universidad del Valle, Universidad Autónoma de Occidente, University of Bremen – Germany.

Nov 2015-Oct 2017 (principal investigator) Structural and functional variability of Colombian mangrove forests in the context of climate change. Funding: 339,590,512 COP (109,034 USD) Colciencias & Universidad del Valle – Colombia.

- Oct 2015 – Sep 2018 (co-investigator). Effects of seasonal and monthly hypoxic oscillations on seabed biota: evaluating relationships between taxonomical and functional diversity and changes on trophic structure of macrobenthic assemblages. Funding: 139,120,000 CLP (209,528 USD) FONDECYT-Chile.
- Oct 2010 – Sept 2013 (principal investigator). Investigating biotic and environmental factors affecting the population variability of the scyphomedusan *Chrysaora plocamia* (Lesson 1830) in Mejillones Bay, Chile. Funding: 75,000,000 CLP (112,957 USD) FONDECYT-Chile
- Jul 2014 – May 2016 (co-investigator). Fortalecimiento de las capacidades de formación de postgrado para la innovación y la competitividad en Ciencias Acuáticas la Universidad de Antofagasta Funding: 160,990,000 CLP (242,467 USD) Gobierno Regional de Antofagasta – Fondo de Innovación para la Competitividad.
- Aug 2016 – Jul 2018 (co-investigator). Evaluation and monitoring of Climate Change impacts on coastal biodiversity and associated ecosystem services. Funding: 300,000 USD – Minera Escondida, Chile.
- 2005 – 2008 (co-investigator). Climate Change and ENSO-variability: implications for coastal resources and management. Funding: European Union-INCO Project. Contrato 511071
- 2003 (principal investigator). Documentación de una base de Metadatos sobre colecciones biológicas del Museo de Ciencias Naturales (INCIVA). Funding: Instituto de Investigación de Recursos Biológicos “Alexander von Humboldt” (Colombia)
- Jul 2012-Feb 2014 (scientific coordinator) Dotación y montaje del Museo de Ciencias Naturales en su nueva sede. Funding: 3,265,000,000 COP (1,048,587 USD)
- Dec 1999 – Feb 2002 (co-investigator). Effects of El Niño on the population dynamics of dominant bivalves in Málaga Bay, Colombian Pacific. Funding OEA-Red de Impacto Biológico del Fenómeno El Niño

PUBLICATIONS

H-index: 15 (<https://scholar.google.cl/citations?user=21JJ-qsAAAAJ&hl=en>).

51. 2020. **Riascos JM**, Hopfe C, Thomas CD. The energy flow through coastal Anthropocene biotas. *ESA-Frontiers in Ecology and the Environment* 18(1)11-12
50. 2019. Riascos JM, Escribano R, Gutiérrez D, Thatje S. El Niño-Southern Oscillation on a Changing Planet: Consequences for Coastal Ecosystems. *Frontiers in Marine Science* 6:774
49. 2019. Avendaño M, Cantillanez M, **Riascos JM**. The Decreasing Availability of Settlement Surfaces Affects the Transition from Larvae to Early Recruitment of the Scallop *Argopecten purpuratus* through El Niño and La Niña Episodes. *Frontiers in Marine Science* 6, 630
48. 2019. Solís MA, Ballesteros M, **Riascos JM**. The Early Life History Transitions of the Bivalve *Aulacomya atra* from the Humboldt Current System off Peru are affected by Human Exploitation and Modulated by El Niño-La Niña. *Frontiers in Marine Science* 6, 496
47. 2019. **Riascos JM**, Blanco-Libreros JF. Pervasively high mangrove productivity in a Southern Caribbean major delta throughout an ENSO cycle. *Estuarine, Coastal and Shelf Science* 227, 106301
46. 2019 **Riascos JM**, Valencia N., Peña E. Cantera JR. Inhabiting the technosphere: the encroachment of anthropogenic marine litter in Neotropical mangrove forests and its use as habitat by macrobenthic biota. *Marine Pollution Bulletin* 142: 559-568
45. 2018 Fajardo M, Andrade D, Bonicelli J, Bon M, **Riascos JM**, Pacheco AS. Macrobenthic communities in a shallow normoxia to hypoxia gradient in the Humboldt upwelling system. *PLOS One* 13 (7): e0200349
44. 2018 **Riascos JM**. Cantera JR, Blanco-Libreros JF. Growth and mortality of mangrove seedlings in the wettest Neotropical mangrove forests during ENSO: Implications for vulnerability to climate change. *Aquatic Botany* 147: 34-42

43. 2018 **Riascos JM**, Aguirre W, Hopfe C, Morales D, Navarrete A, Tavera J. Floating nurseries? Scyphozoan jellyfish, their food and their rich symbiotic fauna in a tropical estuary. *PeerJ* 6:e5057 DOI: 10.7717/peerj.5057
42. 2017 **Riascos JM**, Solís MA, Pacheco AS, Ballesteros M. Breaking out of the comfort zone: El Niño–Southern Oscillation as a driver of trophic flows in a benthic consumer of the Humboldt Current ecosystem. *Proceedings of the Royal Society B*. 284: 20170923. DOI: 10.1098/rspb.2017.0923
41. 2017 Ceh J., **Riascos JM**. Cryptic life stages in scyphozoan jellyfish: Larval settlement preferences of the South American sea nettle *Chrysaora plocamia*. *Journal of Experimental Marine Biology and Ecology* 490: 52–55
40. 2017 Ceh J, Pacheco AS, **Riascos JM**. Solving an old puzzle by dismissing new pieces? Moving beyond scientific traditions to understand the life cycle of scyphozoan jellyfish: reply to Morandini et al. (2016) *Bulletin of Marine Science*, 93(3):857–862
39. 2016 **Riascos JM**, Uribe RA, Donayre S, Flores D, Galindo O, Quispe C, Gonzalez J. Human footprints on benthic communities in marine reserves: a study case in the most productive upwelling system worldwide. *Marine Ecology Progress Series* 557: 65–75
38. 2015 Pacheco AS, Santoro PA, Gomez GE, Malebran MI, **Riascos JM**. Seasonal variability of emerging invertebrate assemblages in a sheltered soft-bottom sublittoral habitat. *Journal of Sea Research* 103: 14–23
37. 2015 **Riascos JM**, Docmac F, Reddin C, Harrod C. Trophic relationships between the large scyphomedusa *Chrysaora plocamia* and the parasitic amphipod *Hyperia curticephala*. *Marine Biology*, 162(9): 1841–1848
36. 2015 Pacheco AS, Villegas VK, **Riascos JM**, Waerebeek K Van. Presence of fin whales (*Balaenoptera physalus*) in Mejillones Bay, a major seaport area in northern Chile. *Revista de Biología Marina y Oceanografía* (Chile) 50(2): 383–389
35. 2015 Ceh J, Gonzalez J, Pacheco AS, **Riascos JM**. The elusive life cycle of scyphozoans – metagenesis revisited. *Nature - Scientific Reports* 5: 12037 doi:10.1038/srep12037
34. 2014 Pacheco AS, Gómez GE, Santoro PA, Malebran M, Cortés C, **Riascos JM** Moon phase effects and timing of emerging macrobenthic assemblages in a sheltered soft-bottom sublittoral habitat. *Journal of Sea Research* 86:34–42
33. 2014 **Riascos JM**, Villegas V, Pacheco AS. Diet composition of the large scyphozoan jellyfish *Chrysaora plocamia* in a highly productive upwelling centre off northern Chile. *Marine Biology Research* 10 (8), 791–798
32. 2013 Pacheco AS, Gómez GE, **Riascos JM**. First records of emerging benthic invertebrates at a sublittoral soft-bottom habitat in northern Chile. *Revista de Biología Marina y Oceanografía* (Chile) 48 (2), 387–392
31. 2013 Pacheco AS, Uribe RA, Thiel M, Oliva ME, **Riascos JM**. Dispersal of post-larval macrobenthos in subtidal sedimentary habitats: roles of vertical diel migration, water column, bedload transport and biological traits expression. *Journal of Sea Research* 77, 79–92
30. 2013 **Riascos JM**, Paredes L, Gonzalez K, Cáceres I, Pacheco AS The larval and benthic stages of the scyphozoan medusa *Chrysaora plocamia* under El Niño–La Niña thermal regimes. *Journal of Experimental Marine Biology and Ecology* 446, 95–101
29. 2013 Pacheco AS, Thiel M, Uribe RA, Campos L, **Riascos JM**. Effects of sympatric predatory crabs *Romaleon polyodon* and *Cancer plebejus* (Decapoda, Brachyura, Cancridae) on sublittoral macrobenthic communities. *Journal of Experimental Marine Biology and Ecology* 443, 147–154
28. 2012 **Riascos JM**, Villegas V, Cáceres I, Gonzalez JE, Pacheco AS. Patterns of a novel association between the scyphomedusa *Chrysaora plocamia* and the parasitic anemone *Peachia chilensis*. *Journal of the Marine Biological Association of the United Kingdom* 93(4), 919–923
27. 2012 **Riascos JM**, Vergara M, Fajardo J, Villegas V, Pacheco AS. The role of hyperiid parasites as a trophic link between jellyfish and fishes. *Journal of Fish biology* 81(5):1686–1695

26. 2012 Uribe RA, Oliva ME, Aguilar S, Yamashiro C, **Riascos JM**. Latitudinal variation in the reproductive cycle of two bivalves with contrasting biogeographical origin along the Humboldt Current Upwelling System. *Scientia Marina* 76(4): 713-720
25. 2012 **Riascos JM**, Avalos C, Vargas C, Heilmayer O, Oliva ME. Testing stress responses of the bivalve *Protothaca thaca* to El Niño-La Niña thermal conditions. *Marine Biology Research*. 8:654-661
24. 2012 Pacheco AS, **Riascos JM**, Orellana F, Oliva, ME. El Niño-Southern Oscillation cyclical modulation of macrobenthic community structure in the Humboldt Current ecosystem. *OIKOS*. 121: 2097-2109
23. 2012 Pacheco AS, Thiel M, Oliva ME, **Riascos JM**. Effects of patch size and substratum height on the early development of subtidal macrobenthic soft-bottom communities in the Humboldt Current System. *Helgoland Marine Research* DOI 10.1007/s10152-011-0288-6
22. 2012 Vergara M, Oliva ME, **Riascos JM** Population dynamics of the amphioxus *Branchiostoma elongatum* from northern Chile. *Journal of the Marine Biological Association of the United Kingdom*. 92:591-599
21. 2011 Pacheco AS, Silva A, **Riascos JM**. The recurring visit of a southern elephant seal (*Mirounga leonina* L.1758) to the coast of Antofagasta, northern Chile. *Latin American Journal of Aquatic Mammals*. 9(2), 168-170
20. 2011 **Riascos JM**, Cuturrifo M, Pacheco AS, Oliva ME. Regulatory factors and structure of a component population of the spionid *Polydora biocipitalis* infesting the surf clam *Mesodesma donacium*. *Journal of Aquatic Animal Health* 23:125-133
19. 2011 **Riascos JM**, Heilmayer O, Oliva ME, Laudien J. Environmental stress and parasitism as drivers of population dynamics of *Mesodesma donacium* at its northern biogeographic range. *ICES Journal of Marine Science* 68(5):823-833.
18. 2011 Pacheco AS, González MT, Bremner J, Oliva ME, Heilmayer O, Laudien J, **Riascos JM**. Functional diversity of marine macrobenthic communities from sublittoral soft-sediment habitats off northern Chile. *Helgoland Marine Research* 65(3) 413-424
17. 2010 Carstensen D, **Riascos JM**, Heilmayer O, Arntz WE, Laudien J. Recurrent, thermally-induced shifts in species distribution range in the Humboldt current upwelling system. *Marine Environmental Research* 70(3-4) 293-299
16. 2010 **Riascos JM**, Guzmán PA. The ecological significance of growth rate, sexual dimorphism and size at maturity of *Littoraria zebra* and *L. variegata* (Gastropoda: Littorinidae). *Journal of Molluscan Studies* 76 (3): 289-295
15. 2009 **Riascos JM**, Carstensen D, Laudien J, Arntz WE, Oliva M, Günter A, Heilmayer O. Thriving and declining: climate variability shaping life-history and population persistence of *Mesodesma donacium* in the Humboldt Upwelling System. *Marine Ecology Progress Series* 385:151-163
14. 2009 **Riascos JM**, Guzmán N, Laudien J, Oliva M, Heilmayer O, Ortlieb L. A long-term association between *Mesodesma donacium* and the boring polychaete *Polydora biocipitalis*. *Diseases of Aquatic Organisms* 85:209-215
13. 2008 **Riascos JM**, Heilmayer O, Oliva M, Laudien J, Arntz WE. Infestation of the surf clam *Mesodesma donacium* by the Spionid polychaete *Polydora biocipitalis*. *Journal of Sea Research* 59:217-227
12. 2007 Ashton T, **Riascos JM**, Pacheco A. First record of *Cymatium keenae* Beu, 1970 (Mollusca: Ranellidae) in Antofagasta bay, northern Chile, in connection with El Niño events. *Helgoland Marine Research* 62(1): S107-S110
11. 2007 **Riascos JM**, Heilmayer O, Laudien J. Population dynamics of the tropical bivalve *Cardita affinis* from Málaga Bay, Colombian Pacific related to La Niña 1999-2000. *Helgoland Marine Research* 62(1): S63-S71
10. 2007 **Riascos JM**, Guzman N, Laudien J, Heilmayer O, Oliva M. Suitability of three stains to mark shells of *Concholepas concholepas* (Gastropoda) and *Mesodesma donacium* (Bivalvia). *Journal of Shellfish Research* 26(1):43-49

09. 2006 **Riascos JM**. Effects of El Niño-Southern Oscillation on the population dynamics of the tropical bivalve *Donax dentifer* from Malaga bay, Colombian Pacific. *Marine Biology* 148(6): 1283-1293
08. 2004 **Riascos JM**, Perez AM, Navarrete AM. Observaciones sobre la biología reproductiva de la “sangara”, *Anadara grandis* (Bivalvia: Arcidae). *Boletín Científico Museo de Historia Natural Universidad de Caldas* 8:37-45
07. 2002 Urban H-J and **Riascos JM**. Estimating Gonado-Somatic Indices in Bivalves with Fused Gonads. *Journal of Shellfish Research* 21(1):249-253.
06. 2002 **Riascos JM** and Urban H-J Impacts of El Niño/La Niña on the population dynamics of the tropical bivalve *Donax dentifer* from Malaga Bay, Colombian Pacific. *Investigaciones Marinas* 30(1):152-154.
05. 2002 **Riascos JM** and Urban H-J. Dinámica poblacional de *Donax dentifer* (Veneroidea: Donacidae) en Bahía Málaga, Pacífico colombiano durante el fenómeno “El Niño” 1997/1998. *International Journal of Tropical Biology* 50(3-4):1113-1123
04. 2002 **Riascos JM**. Changes on sandy-beach macrobenthic communities during “El Niño” 1997/1998 in Malaga Bay, Colombian Pacific. *Ciencias Marinas* 28(1):13-25
03. 2001 **Riascos JM** and Rallón NI. Distribución espacial del macrobentos de playa arenosa en el Pacífico colombiano. *Actualidades Biológicas* 23(74):15-20.
02. 2000 **Riascos, JM**. Las colecciones de Aves, Mamíferos y Reptiles del Museo de Ciencias Naturales “Federico C. Lehmann” *Cespedesia* 24(75):89-146
01. 1999 **Riascos, JM** and Urban H.-J. Morfología y aspectos ecológicos del “chipi-chipi” (*Donax dentifer* Hanley, 1843 Bivalvia: Donacidae) en Bahía Málaga. *Cespedesia* 23(73-74):63-77

SCIENTIFIC MEETING PRESENTATIONS & ORGANIZATION (recent, oral presentations)

- 2018 **Invited speaker**: Inhabiting the technosphere: the encroachment of anthropogenic marine litter in Neotropical mangrove forests and its use as habitat by macrobenthic biota. International Congress of Marine Science. Nov 19 - 23, Corporation Center of Excellence on Marine Science (Medellín - Colombia).
- 2017 **Invited speaker**: Mangrove ecosystems in Colombia: climate change, ENSO and the Anthropocene. World Oceans Day, Jun 8 2017, Universidad de Antioquia (Colombia).
- 2015 **Invited speaker**: parasites as regulators of population variability of *Chrysaora plocamia* in Northern Chile. Apr 21 Universidad de (Concepción, Chile)
- 2014 Interacciones tróficas entre medusas y peces en sistemas de surgencia de Chile y Perú. Congreso Colombiano de Zoología. Dec 1 - 5. (Cartagena, Colombia)
- 2013 **Scientific Coordinator**. XXXIII Congress of Marine Science. Universidad de Antofagasta. May 27-30. (Antofagasta, Chile).
- 2013 Overwintering of the pelagic phase of scyphozoans: implications for growth modelling and population dynamics. 4th International Jellyfish Bloom Symposium. Jun 5 - 7. (Hiroshima, Japan)
- 2012 Sobre el rol del parasitismo en la dinámica poblacional de las medusas (Scyphozoa). Marcuba. Oct 29 - Nov 2. (La Habana, Cuba)
- 2011 **Invited speaker**. Research on climate-related species invasions and outbreaks: an emerging need to foster sustainable use of biodiversity in Chile. Latin American-European Workshop on Biodiversity and Climate Change – EURALINET. (Manizales, Colombia)
- 2011 Diversity of biological associations and trophic interactions of the Scyphozoan medusa *Chrysaora plocamia* in the Humboldt Current Upwelling System off northern Chile. World Congress of Marine Biodiversity. Sep 26 - 30. (Aberdeen, Scotland).
- 2008 Thriving and declining: temperature and salinity shaping life-history and population stability of *Mesodesma donacium* in the Humboldt Upwelling System. CENSOR Endterm Symposium. Sep 9-11. (Lima, Peru).

- 2008 Age-related tolerance to osmotic stress: implications for reproduction and recruitment ecology of *Mesodesma donacium* in the Humboldt Current Ecosystem. Physiomar Sep 1-4. (Brest, France).
- 2007 Assessing effects of heavy-metal pollution on short term growth and periodical growth patterns of *Protothaca thaca* (Mollusca: Veneridae) using calcein as a growth marker. World Congress of Malacology. Jul 15 - 20. (Antwerp, Belgium).
- 2007 Effects of temperature on metabolism and growth in *Protothaca thaca* (Mollusca: Veneridae). World Congress of Malacology. Jul 15 - 20. (Antwerp, Belgium).
- 2006 Infestation of the surf clam *Mesodesma donacium* by the polychaete worm *Polydora biocipitalis* in northern Chile. XI International Congress of Parasitology. Aug 6 - 11. (Glasgow, Scotland)
- 2006 Comparison of the suitability of three stains to mark shells of *Concholepas concholepas* (Gastropoda) and *Mesodesma donacium* (Bivalvia). 98th Annual Meeting of the National Shellfish Association. Mar 26 - 30. (Monterrey, California, U. S. A.)

TEACHING EXPERIENCE

I have more than seven years' experience teaching and supervising students at the undergraduate and postgraduate level. I started teaching as teaching assistant at Universidad del Valle (1992 - 1994), later as Assistant and Associate Professor (2011 - 2015) at Universidad de Antofagasta and currently as Assistant Professor (2019-present) at Universidad de Antioquia. Over this period, I have taught several courses in the field of marine biology and participated in a multitude of examination boards. For details, please see for my teaching portfolio.

POSTDOCTORAL & STUDENT SUPERVISION

Postdoctoral fellows

- 2013 - 2015 Dr. Janja Ceh, Marine Microbial Ecology. Research project: "Ecology of scyphozoan jellyfish in the Humboldt Current Upwelling System". Instituto de Ciencias Naturales Alexander von Humboldt, Universidad de Antofagasta (Chile)

Ph. D. Students

- 2017 - Present Marco A. Solís (co-supervisor). Thesis: "Population dynamics and secondary production of bivalves during "El Niño" and "La Niña" events in Bahía Independencia (Pisco, Peru)": the case of species of commercial importance. Department of Animal Biology, University of Barcelona (Spain).

M. Sc. Students

- 2020 - Present. Cristian Cuesta. Thesis: "Zooplankton communities from oligotrophic and eutrophic coastal waters off the Urabá Gulf. Corporación Académica Ambiental, Universidad de Antioquia. (Colombia)
- 2017 - 2018 Maritza Fajardo (co-supervisor). Thesis: "Comunidades macrobentónicas en un gradiente de normoxia a hipoxia en el ecosistema de afloramiento de Humboldt, norte de Chile". Universidad de Antofagasta (Chile).
- 2016 - 2017 Michael Kyei (co-supervisor). "The influence of mangrove fern, (*Acrostichum aureum*) on sediment characteristics and fauna in mangrove forests of Bahía Málaga, Pacific Coast of Colombia". Leibniz Centre for Tropical Marine Research, University of Bremen (Germany). ***M.Sc. thesis work nominated to the "Campus Prize" at University of Bremen***
- 2016 - 2017 Mayli Ortiz (co-supervisor). Thesis: "Spatial and temporal patterns of the understory vine *Tuberostylis rhizophorae* in hyper-humid mangrove forests in Bahía Málaga, Colombian Pacific coast". Leibniz Centre for Tropical Marine Research, University of Bremen (Germany).
- 2015 Mariam Weyand. Magister Research Internship. Thesis: "Assessing the potential of parasites as drivers of population changes in *Chrysaora plocamia* in northern Chile". Institut

Universitaire Européen de la Mer (UBO - IUEM), Université de Bretagne Occidentale, (France)

Undergraduate students

11.

10 Enis Amparo Quejada

2013/2014. Mauricio Torres. Thesis “Cambios en la estructura de dieta del Ctenóforo *Pleurobrachia bachei* (Agassiz, 1860) en la bahía de Mejillones, norte de Chile”. Degree: Bachelor in Ecological Sciences Universidad de Antofagasta (Chile)

2012 - 2013 Lissette Paredes. Thesis: Efecto de la temperatura sobre la fase de vida bentónica de *Chrysaora plocamia*. Degree: Bachelor in Ecological Sciences Universidad de Antofagasta, (Chile).

2011 - 2012 Ignacio Cáceres. Thesis: Evaluación de la dinámica poblacional de *Chrysaora plocamia* usando modelos pesqueros. Degree: Bachelor in Ecological Sciences Universidad de Antofagasta (Chile).

2010 - 2011 Viviana Villegas. Thesis: Patrones depredatorios de la Scyfomedusa *Chrysaora plocamia* en Mejillones, norte de Chile. Degree: Bachelor in Ecological Sciences Universidad de Antofagasta (Chile).

2010 - 2011 Jessenia Fajardo. Thesis: Causas de varamiento de la Scyfomedusa *Chrysaora plocamia* en mejillones, norte de Chile. Degree: Bachelor in Ecological Sciences Universidad de Antofagasta (Chile).

2010 Makarena Vergara. Thesis: Dinámica poblacional del anfioxo *Branchiostoma elongatum* (Sundevall, 1852) en Coloso, Bahía de Antofagasta”. Degree: Bachelor in Ecological Sciences Universidad de Antofagasta (Chile).

2007 - 2008. Cristina A. Vargas. Thesis: Efecto de la temperatura sobre el metabolismo de *Protothaca thaca* (Molina, 1782): Respiración y crecimiento. Degree: Aquaculture Engineer. Universidad de Antofagasta (Chile).

2007 - 2008. Miguel Cuturrufo. Thesis: Estrategia de infestación de *Polydora biocipitalis* (Blake & Woodwick, 1972) (Polychaeta: Spionidae) en *Mesodesma donacium* (Lamarck, 1818) (Bivalvia: Mesodesmatidae), en playa Hornitos, II Región - Chile. Degree: Bachelor in Ecological Sciences Universidad de Antofagasta (Chile).

2002 - 2003. Pablo A. Guzmán. Thesis: Crecimiento, madurez y dimorfismo sexual de *Littoraria zebra* y *L. variegata* (Mollusca: Mesogastropoda) en un manglar de Bahía Málaga Bay, Pacífico colombiano. Degree: Biologist (B.Sc.) Universidad del Valle (Colombia).