

Juliano E. Palacios Abrantes

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Education

- **PhD. In Zoology** (September 2016 – Expected, June 2020)
The Institute for the Oceans and Fisheries, University of British Columbia, Canada; Advisor, Dr. William Cheung
 - *Management of Transboundary Fish Stocks in North America Under Climate Change: Impacts and Adaptation*
 - Semester abroad at the University of Vigo workig with Dr. Elena Ojea (August - December, 2019)
- **Master of Environmental Science and Management** (September 2014 - June 2016)
Bren School of Environmental Science & Management, University of California at Santa Barbara, USA; Advisor, Dr. John Melack
 - *A Citizen Science Monitoring Protocol for the Rocky Intertidal Habitat*
 - Internship at Environmental Defense Fund, Mexico (June - September, 2015)
- **Bachelor of Science in Biology** (September 2007 - December 2012)
Universidad Autónoma Metropolitana campus Xochimilco, México City; Advisor, Dr. Virginia Melo
 - *Sea Cucumber as a Source of Macronutrients for Low-Income Coastal Communities in Mexico.*
 - Year aborad at the University of São Paulo

Publications

- **Palacios-Abrantes, J.**, Cisneros-Montemayor, A. M., Cisneros-Mata, M. A., Rodriguez, L., Arreguín-Sánchez, F., Aguilar, V., Domínguez-Sánchez, S., Fulton, S., López-Sagástegui, R., Reyes-Bonilla, H., Rivera-Campos, R., Salas, S., Simoes, N., and Cheung, W. W. L., 2019. A metadata approach to evaluate the state of ocean knowledge: Strengths, limitations, and application to Mexico. *PLoS ONE*, 14 (6), e0216723.
- **Palacios-Abrantes, J.**, Herrera-Correal, J., Rodriguez, S., Brunkow, J., and Molina, R., 2018. Evaluating the bio-economic performance of a Callo de hacha (*Atrina maura*, *Atrina tuberculosa* & *Pinna rugosa*) fishery restoration plan in La Paz, Mexico. *PLoS ONE*, 13 (12), e0209431.
- Pinsky, M. L., Reygondeau, G., Caddell, R., **Palacios-Abrantes, J.**, Spijkers, J., and Cheung, W. W. L., 2018. Preparing ocean governance for species on the move. *Science*, 360 (6394), 1189–1191.
- **Palacios-Abrantes, J.**, Melo-Ruiz, V., Urbano, B., v, N., Falcón-Gerónimo, J., and Gazga-Urioste, C., 2017. Nutritional Analysis of Octopus hubbsorum B (Cephalopoda: Octopodidae) from the Pacific Ocean, Acapulco, Guerrero, México. *Journal of Applied Life Sciences International*, 10 (3), 1–6.
- **Palacios-Abrantes, J.**, Melo-Ruiz, V., Diaz-Garcia, R., Gazga-Urioste César, and Urbano, B., 2016. Iron Profile of Octopus Hubbsorum (Cephalopoda: Octopodidae) for Enrichment of the Mexican Diet. *Journal of Chemistry and Chemical Engineering*, 10 (5), 1–4.
- Melo, V., Aguirre, H. D., Martínez, B., **Palacios-Abrantes, J.**, and Vargas, N., 2013. Plaga de ortópteros, recurso de nuetrientes para la población. *Entomologia Mexicana*.
- Melo, V., Jiménez, H., **Palacios-Abrantes, J.**, and Barreda, T. Q., 2013. Fruto de Capulín Prunus Serotina y larvas de Synopsia Mexicanaria W, representan una buena fuente de nutrientes en la dieta cotidiana. *Entomologia Mexicana*. , 12 (2), 1084–1086.

Work in Progress

- **Palacios-Abrantes J.** & Cisneros-Montemayor, A. (NA). Tendencias de la investigación pesquera en México: necesidades y oportunidades para la adaptación al cambio climático. In Pescadores en México retos y oportunidades ante el cambio climático. Ciudad de México. *[In press]*
- **Palacios-Abrantes J.**, Cheung, W.W.L. & U. Rashid Sumaila (NA). Challenges to transboundary fisheries management in North America under climate change. *[To be submitted to Ecology and Society as part of a special issue]* *[Ready for submission]*
- Sumaila R.U., **Palacios-Abrantes J.**, Cheung W.W.L. (NA), Climate change, shifting threat points and the management of transboundary fish stocks. *[To be submitted to Ecology and Society as part of a special issue]*

Conference Experience

- **Palacios-Abrantes J.** 2019. Climate change and transboundary fisheries management, examples from North America. Species on the Move, Skukuza, South Africa
- **Palacios-Abrantes J.**, Cheung W.L., Sumaila R. 2019. Challenges to Transboundary Fisheries Management in North America Under climate Change. IMBeR Future Oceans 2, Brest, France
- **Palacios-Abrantes J.**, Cheung W.L., Sumaila R. 2018. Current State and Future Scenarios for Transboundary Fisheries Management in Changing Oceans of Canada and the United States. The Effects of Climate Change of the World's Oceans, Washington D.C., USA
- **Palacios-Abrantes J.**, Cheung W.L., Sumaila R. 2017. Current State and Future Scenarios for Transboundary Fisheries Management in Changing Oceans: Gauging the Biological Tides. MARE Conference 2017 People & the Sea IX: Dealing with Maritime Mobilities, Amsterdam, Netherlands
- **Palacios-Abrantes J.**, Arreguín-Sánchez F, Cheung W. W., Cisneros-Mata M.A, Cisneros-Montemayor A., Rodriguez L. 2017. Towards the creation of a metadata of marine research in Mexico: a case study of the Gulf of Mexico. State of the Gulf of Mexico, 2017. Houston, Texas
- Felins E., Handelsman T., Howard A., **Palacios-Abrantes J.**, Liu R. O., Melack J. 2016. A Citizen Science Monitoring Protocol for the Rocky Intertidal Habitat. Multi-Agency Rocky Intertidal Network Annual Meeting, Cabrillo National Monument, San Diego, California.
- **Palacios-Abrantes J.**, Melo V. y Urbano B. 2012. Análisis proximal de *Octopus hubbsorum* (Cephalopoda: Octopodidae) en Acapulco Guerrero (México). Congreso de la sociedad Mesoamericana para la Biología y la Conservación, Panama City, Panama.
- **Palacios-Abrantes J.**, Melo V., y Urbano B. 2012. Análisis nutricional de callo de hacha *Atrina sp.* (Mollusca: Pinnidae) en México". Congreso de la Sociedad Mesoamericana para la Biología y la Conservación, Panama City, Panama.
- **Palacios-Abrantes J.**, Melo V., Jiménez H, Rivero J. 2011. Estrella de mar, un rico complemento alimenticio para comunidades costeras de bajos recursos. XV Congreso de la sociedad Mesoamericana para la Biología y la Conservación, Mérida, Mexico.
- **Palacios-Abrantes J.**, Melo V., Jiménez H., Rivero J. 2011. Ración de Malacosoma azteca para animales como estrategia de control de plaga en Xochimilco. XV Congreso de la sociedad Mesoamericana para la Biología y la Conservación, Mérida, México.
- **Palacios-Abrantes J.**, Luna B., Rivero J., Melo V. 2009. Influencia de factores abióticos en fase larval del Malacosoma azteca. 44º congreso Mexicano de Química. Puebla, México.
- **Palacios-Abrantes J.**, Luna B., Issac Y., Estrada D., Melo V. 2009 Sea cucumber, underutilized source of macronutrients. 8º Simpósio Latino Americano de Ciência de Alimentos. Campinas, Brasil.

- Melo V., **Palacios-Abrantes J.**, Rivero J., Herrera M. C., León F. 2009 The application of betacyanin natural pigment in food processed. 8º Simpósio Latino Americano de Ciência de Alimentos. Campinas, Brasil.
- Melo V., **Palacios-Abrantes J.**, Rivero J., Herrera M. C., Schettino B. 2009 Retention of β carotene and ascorbic acid in fresh and processed vegetables. 8º Simpósio Latino Americano de Ciência de Alimentos. Campinas, Brasil.

Workshops Attended or Organized

- IPBES Future Nature Scenarios Workshop (July, 2019). Organized at the Species on the Move conference, Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES); Skukuza, South Africa *Co-organized*
- IPBES Future Nature Scenarios Workshop (March, 2019). Organized by the University of British Columbia (UBC) and the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES); Vancouver, British Columbia, Canada *Co-organized*
- Future High Seas Governance Workshop (November, 2018). Organized by the University of British Columbia (UBC) and the International Institute for Environment and Development (IIED). Vancouver, British Columbia, Canada. *Fully funded by organizers*
- IMBeR ClimEco6 Summer School - Interdisciplinary approaches for sustainable oceans (August, 2018). Organized by the Integrated Marine Biosphere Research (IMBER). Yogyakarta, Indonesia. *Fully funded by PICES*
- Graduate Student Workshop on Socio-Environmental Synthesis (January 2018). Organized by the National Socio-Environmental Synthesis Center (SESYNC). Annapolis, Maryland, United States. *Fully funded by organizers*
- UK-Mexico Researcher Links Workshop, Present Status and Horizon Scanning of Sustainable Aquatic Resource Development in Mexico (September, 2017). Organized by the Instituto Tecnológico Superior de Felipe Carrillo Puerto, British Council, CONACyT & Researcher links. Felipe Carrillo Puerto, Quintana Roo, Mexico. *Fully funded by organizers*

Profesional Research

- **Palacios-Abrantes, J.**; Vargas, C; Viana, D; Rivera, M.I; Gozzer, R; López, R; de la Puente, S; Cisneros-Montemayor A. 2018. Contributions of marine capture fisheries to the domestic livelihoods and seafood consumption of Brazil, Chile, and Peru. Report commissioned by Oceana. Pp 100. *Role: Principal Investigator*
- Cisneros-Montemayor A.M., **Palacios-Abrantes J.**, Abas M. 2018. Impactos potenciales del cambio climático en las pesquerías mexicanas: Consideraciones para su manejo. A report commissioned by Environmental Defense Fund de México, A.C. 60 pp. *Role: Team member*
- Herrera J., **Palacios-Abrantes J.**, Rodríguez S., Brunkow J., Molina R. 2016. Callo de hacha: restoration program and sustainable fishery in La Paz, BCS, Mexico. A report commissioned by Noroeste Sustentable, A.C. 33 pp. *Role: Team member*
- **Palacios-Abrantes J.** 2016. Status and management scenario for the mollusk fisheries of Altata Bay, Sinaloa, Mexico. Report was commissioned by Environmental Defense Fund-Mexico. Pp 37. *Role: Team member*

- Peruvian Anchovy Stock Assessment Tool (2016). Member of a team tasked to develop a tool for better manage the Anchovy fishery in Peru. A project in collaboration with The Nature Conservancy and the government of Peru. *Role: Team member*
- TURF Legal Framework Analysis (2015). Reviewed and analyzed the legal framework of Territorial Rights Use for Fisheries (TURFs) of Brazil, Chile and Spain. A report commissioned by Environmental Defense Fund, Mexico. 9 pp. *Role: Principal Investigator*
- Biological Assessment for Target Bivalves in Sinaloa, Mexico (October, 2015). A compilation of biological information of the target species of the Sinaloa project. A report commissioned by Environmental Defense Fund, Fisheries Solution Center. 6 pp. *Role: Principal Investigator*

Academic Awards

- Globalink Research Award Abroad for research abroad (August - December 2019). Awarded by Mitacs for the project *Climate change and emerging transboundary fish stocks in North America* developed in collaboration with Dr. Elena Ojea at the University of Vigo
- The Institute for the Oceans and Fisheries Student Society (IOFSS) Travel Grant. 2019. Awarded to participate in the conference Species on the Move in July of 2019 in Skukuza, South Africa
- SESYNC Graduate Pursuit Award (September 2018 - May 2020). Awarded by the National Socio-Environmental Synthesis Center (SESYNC) to conduct the research *Ch-Ch-Ch-Changes: Using Marine Protected Areas to Investigate Potential Socio-Ecological Impacts of Climate Change in Marine Spatial Planning*. National Science Foundation and the University of Maryland. (Link to project: tiny.cc/lzxv5y)
- Faculty of Science PhD. Tuition Award (September 2016 – To date). Awarded by the University of British Columbia to pursue a PhD. In Zoology
- International Tuition Award (September 2016 – To date). Awarded by the University of British Columbia to pursue a PhD. In Zoology
- Latin American Fisheries Fellow (LAFF) (August 2014- June 2016). Awarded by The Walton Foundation to pursue a Master of Environmental Science and Management.
- Mobility Program Award (January - December 2010). Awarded by the Universidad Autónoma Metropolitana to go to the São Paulo University, Brazil.

Teaching Experience and Mentoring

- Land Food and Community: Quantitative Data Analysis (January – May 2018) Introduction to tools needed for data analysis of the economic, ecological, health, and scientific components of land and food systems. Faculty of Land and Food Systems, University of British Columbia
- Diving Instructor (May 2011 – July 2015). Instructed over 25 divers in different levels of sport diving. Assisted more than 50 courses over a 4-year period.
- Undergrad Teacher Assistant (January 2010 – December 2012). Instructed classes of 20-30 students when needed.
- Thesis co-direction for a bachelor's degree in biology. González L.M. 2013. *Macronutrientes de cefalópodos de importancia comercial en México*, Universidad Nacional Autónoma de México.

Invited seminars

- Marine governance in the anthropocene: Lessons from South Africa and Latin America, Center for Complex Systems Transition, Stellenbosch Institute for Advanced Study, Mosterdrif, Stellenbosch, South Africa, 2019.

Non-Academic work

- Intern for Environmental Defense Fund, Mexico (June – September 2015). Analyzed data and worked in the field to see if it was feasible to design a Territorial User Rights for Fisheries (TURF) to manage a high complex system in a bay of Sinaloa, Mexico.
- Dive Center Co-Owner (Jan 2011 - July 2015). Servicios Subacuáticos Medusa. Had different roles: Managed the financial aspects of the business. Coordinated over 30 diving trips both national and international. Instructed SCUBA classes. Managed the Store (sales and inventories).
- Green Business Summit Coordinator (January 2013 - July 2013). Co-designed the agenda of the summit, managed invitations, coordinated a team of 4 people. Global Institute of Sustainability (GIS), Instituto Tecnológico de Estudios Superiores de Monterrey (ITESM) and Arizona State University (ASU), Mexico City Campus.
- Contribution to Research as a Scientific Diver (August 2008). Estrada D. Estudio de la biodiversidad de equinodermos y moluscos, Isla Socorro, Archipiélago de Revillagigedo. Thesis for a bachelor's degree in biology. Universidad Nacional Autónoma de México. Instituto de Ciencias del Mar y Limnología.
- Intern for Espacios Naturales y Desarrollo Sustentable, A.C (September 2007- December 2007). The Worked as an intern for the NGO Espacios Naturales y Desarrollo Sustentable A.C. in México City. Organized, digitalized and analyzed a butterfly data base.

Keywords & Other Skills

- **Keywords:** Climate change; Fisheries management; Data science; Multidisciplinary work; Transboundary fisheries
- **Languages:** Spanish, Portuguese, and English (fluent in speaking, reading and writing) TOEFL IBT: 105, November 15, 2013.
- **Computer:** Microsoft Office, R-Studio (Advanced), MATLAB (basic), GitHub (intermediate). Please refer to my *GitHub* webpage for verification of my coding skills; <https://github.com/jepa>