Juliano E. Palacios Abrantes

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January, 2019

Education

- **PhD. In Zoology** (September 2016 – Expected, June 2020)
  Department of Zoology, University of British Columbia, Canada.
    - Management of Transboundary Fish Stocks in North America Under Climate Change: Impacts and Adaptation
        * *Advisor*: Dr. William Cheung
- **Master of Environmental Science and Management** (September 2014 - June 2016)
  Bren School of Environmental Science & Management, University of California at Santa Barbara, USA.
    - A Citizen Science Monitoring Protocol for the Rocky Intertidal Habitat
        * *Advisor*: Dr. John Melack
- **Bachelor of Science in Biology** (September 2007 - December 2012)
  Universidad Autónoma Metropolitana campus Xochimilco, México City.
    - Sea Cucumber as a Source of Macronutrients for Low-Income Coastal Communities in Mexico.
        * *Advisor*: Dr. Virginia Melo

Publications

- **Palacios-Abrantes J**, Herrera-Correal J, Rodríguez S, Brunkow J, 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. https://doi.org/10.1371/journal.pone.0209431

- Pinsky M., Reygondeau G., Caddell R., **Palacios-Abrantes J.**, Spijkers J. & Cheung W.L (2018) Preparing ocean governance for species on the move. *Science*, Vol. 360, Issue 6394, pp. 1189-1191, DOI: 10.1126/science.aat2360

- **Palacios-Abrantes J.**, Melo-Ruiz V., Urbano B., Falcón-Gerónimo J. & 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. http://doi.org/10.9734/JALSI/2017/31031

- **Palacios-Abrantes J.**, Melo-Ruiz V., Diaz-Garcia R., Gazga-Urioste C., & 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. http://doi.org/10.17265/1934-7375/2016.05.008

Work in Progress

- **Palacios-Abrantes J.**, Felins E., Handelman T., Liu R. O., Howard A., Melack J. (NA) Using citizen science to monitor the rocky intertidal: A tool for the Bureau of Ocean Energy Management in the US. *Bulletin of the Southern California Academy of Science [Under review]*

- **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]*

Conference Experience

- **Palacios-Abrantes J.**, Cheung W.L., Sumaila R. 2018. Current State and Future Scenarios for Transboundary Fisheries Management in Changing Oceans of California and the United States. The Effects of Climate Change of the World's Oceans, Washington D.C.

- **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., Handelman 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 aplication 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 ß carotene and ascorbic acid in fresh and processed vegetables. 8º Simpósio Latino Americano de Ciência de Alimentos. Campinas, Brasil.

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. A report commissioned by Oceana. 100 pp.

- 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.

- 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.

- **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.

- 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.

- 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.

- 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.

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.

Awards

- 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 Sao Paulo University, Brazil.

Teaching Experience and Menthoring

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 2009 – 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 cefalopodos de importancia comercial en México, Universidad Nacional Autónoma de México.

Other Skills

- **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).

Other:

- Non-Professional Advanced Diving Credentials
  - Advanced Dive Instructor (SDI/TDI) (March 2012 – June 2014)
  - Basic Dive Instructor (CMAS/FMAS) (March 2011 – March 2015)
  - Basic & Advanced NITORX diver (SDI/TDI)
  - Advanced Diver, (CMAS/FMAS)
  - Basic Diver, (CMAS/FMAS)
  - Scientific Diver, (SDI/TDI)
  - Cave I Diver, (CMAS/FMAS)