

# Julio Lorda Solórzano

## CURRICULUM VITAE

Professor

Facultad de Ciencias

Universidad Autónoma de Baja California

Carretera Transpeninsular Ensenada – Tijuana No. 3917, Colonia Playitas C.P. 22860

Ensenada, Baja California, México

Tel: +52 (646) 174 4570 ext. 221

Cell: +1 (603) 531 1033

[jlorda@uabc.edu.mx](mailto:jlorda@uabc.edu.mx)

<https://juliolorda.org/>

CONACYT SNI-1

---

### Education

- 2016 Postdoctoral Researcher. Tijuana River National Estuarine Research Reserve. Imperial Beach, California. USA.
- 2014 Ph.D. Ecology, Evolution, and Marine Biology. University of California, Santa Barbara. USA.
- 2002 B. Sc. Biology. Universidad de Guadalajara. México.
- 2000 Exchange program. University of Western Ontario. Canada.

### Publications

**2021**

Cavanaugh, K.C., T.W. Bell, M. Costa, N.E. Eddy, L. Gendall, M.G. Gleason, M. Hessing-Lewis, R. Martone, M. McPherson, O. Pontier, L. Reshitnyk, R. Beas-Luna, M.H. Carr, J. Caselle, K.C. Cavanaugh, R. Flores Miller, S. Hamilton, W.N. Heady, H.K. Hirsh, R. Hohman, L. Lee, **J. Lorda**, J. Ray, D.C. Reed, V.R. Saccomanno and S.B. Schroeder. (2021) A Review of the Opportunities and Challenges for Using Remote Sensing for Management of Surface-Canopy Forming Kelps. *Frontiers in Marine Science*. <https://doi: 10.3389/fmars.2021.753531>

Malpica-Cruz, L., A. Abadía-Cardoso, M. Aquino-Baleytó, R. Beas-Luna, E.E. Becerril-García, J.L. Castillo-Géniz, F. Galván-Magaña, E. García-Rodríguez, S.Z. Herzka, E.M. Hoyos-Padilla, R.E. Lara-Mendoza, **J. Lorda**, E.C. Oñate-González, R.J. Pérez-Weil, N.C. Saavedra-Sotelo, O. Santana-Morales, V. Towns, and J.A. Zepeda-Domínguez. (2021) Empowering fishers for Great White Shark stewardship : Reply to Madigan et al . 2021. *Conservation Letters* 1–3. <https://doi.org/10.1111/conl.12828>

Ridlon A.D., K. Wasson, T. Waters, J. Adams, J. Donatuto, G. Fleener, H. Froehlich, R. Govender, A. Kornbluth, **J. Lorda**, B. Peabody, G. Pinchot IV, S. S. Rumrill, E. Tobin, C. J. Zabin, D. Zacherl, and E.D. Grosholz. (2021) Conservation Aquaculture as a Tool for Imperiled Marine Species: Evaluation of Opportunities and Risks for Olympia Oysters, *Ostrea lurida*. PLoS ONE 16(6) 1-26 <https://doi.org/10.1371/journal.pone.0252810>

Santana, O., M. Hoyos-Padilla, C. Sepulveda, R. Beas-Luna, A. Medellín-Ortiz, M. Aquino-Baleyto, E. Becerril-García, D. Arellano-Millán, L. Malpica Cruz, **J. Lorda**, and J. L. Castillo-Géniz. (2021) How much is too much? A carrying capacity study of white shark cage diving in Guadalupe Island. Marine Policy. 131:1-10 <https://doi.org/10.1016/j.marpol.2021.104588>

Eger, A., E. Marzinelli, R. Beas-Luna, C. Blain, L. Blamey, P. Carnell, C. Geun Choi, M. Hessing-Lewis, K. Young Kim, N. Kumagai, **J. Lorda**, P. Moore, Y. Nakamura, A. Perez-Matus, O. Porter, D. Smale, P. Steinberg, and A. Verges. (*pre-print, in review*) The economic value of fisheries, blue carbon, and nutrient cycling in global marine forests. <https://ecoevorxiv.org/n7kjs>

## 2020

Bauer, J., R. Beas-Luna R., **J. Lorda**, L. Malpica-Cruz, F. Lafarga De la Cruz, F. Micheli, R. Searcy-Bernal, L. Rogers-Bennett, and M.J. Bracamontes-Peralta (2020) The effects of depth and diet on growth and survival of red abalone at San Jeronimo Island, Baja California, Mexico. Ciencias Marinas. 46(4):343–357 <https://doi.org/10.7773/cm.v46i4.3117>

**Lorda, J.**, R. Beas-Luna, L. Malpica-Cruz, D. Steller, B. N. Tissot, and H. Reyes-Bonilla. (2000) Building bridges not walls: the past, present, and future of international collaboration and research in northwest Mexico. Ciencias Marinas. 46(4): I-IV <https://doi.org/10.7773/cm.v46i4.3233>

Steller D.L., **J. Lorda**, R. Beas-Luna, M.S. Foster. (2020) A brief history of international meetings of the Western Society of Naturalists. Ciencias Marinas. 46(4): IX-X <https://doi.org/10.7773/cm.v46i4.3226>

Beas-Luna, R., F. Micheli, C. Woodson, M. Carr, D. Malone, J. Torre, C. Boch, J. Caselle, M. Edwards, J. Freiwald, S. Hamilton, A. Hernández-Velasco, B. Konar, K. Kroeker, **J. Lorda**, G. Montaña-Moctezuma, and G. Torres-Moye. 2020. Geographic variation in responses of kelp forest communities of the California Current to recent climatic changes. Global Change Biology. 00:1-17 <https://doi.org/10.1111/gcb.15273>

## 2019

Bauer J., L. Vázquez-Vera, A. Espinoza-Montes, **J. Lorda**, R. Beas-Luna, C. Vela-Gallo, and H. Reyes-Bonilla. 2019. Multi-trophic aquaculture of green abalone *Haliotis*

*fulgens* and warty sea cucumber *Parastichopus parvimensis* enhances production. Journal of Shellfish Research. 38(2) : 455-461 <https://doi.org/10.2983/035.038.0229>

Lonhart S.I., R. Jeppesen, R. Beas-Luna, J. Crooks, and **J. Lorda**. 2019. First records, range shifts, and abundance changes of coastal marine species associated with warm water anomalies along the Eastern Pacific. Marine Biodiversity Records. 12:13 <https://doi.org/10.1186/s41200-019-0171-8>

Beas-Luna, R., **J. Lorda**, L. Malpica-Cruz, G. Montaña-Moctezuma, J.A. Zepeda-Domínguez, J.G. Vaca-Rodríguez, A. Abadía-Cardoso, J. Bauer, E. De La Cruz-González, D. Díaz-Guzmán, C. Félix-Loaiza, A. González-Mena, C. Hernández-Rodríguez, B. Ibarra-Macías, J. Lara-Navarrete, M. Padilla-Villa, V. Schramm-Loza, C. Valdez-Rojas, and A. Vilalta-Navas. 2019. Bosques de Macroalgas en arrecifes templados. In: Primer Reporte del Estado del Ciclo del Carbono en México (Agenda Azul y Verde). Programa Mexicano del Carbono. pp. 103-124 [https://jlorda.files.wordpress.com/2019/07/beas\\_et\\_al\\_estado\\_del-carbono\\_2019-1.pdf](https://jlorda.files.wordpress.com/2019/07/beas_et_al_estado_del-carbono_2019-1.pdf)

## 2018

Goodrich K.A., D. Boudreau, J. Crooks, A. Eguiarte, and **J. Lorda**. 2018. The role of community capitals in climate change adaptation in a binational setting. In: Lachapelle, P., and D. Albrecht. (Eds.), Addressing Climate Change at the Community Level in the United States. New York: Routledge. pp 243-258 <https://www.doi.org/10.4324/9781351211727-16>

Paz-Lacavex A., R. Beas-Luna, **J. Lorda**, K. Cavanaugh and T. Bell. 2018. Producción primaria bruta en bosques submarinos de la región Bahía Todos Santos. In: Paz, F., A. Velázquez y M. Rojo (Eds), Estado Actual del Conocimiento del Ciclo del Carbono y sus Interacciones en México: Síntesis 2018. Serie Síntesis Nacionales. Programa Mexicano del Carbono. Texcoco, Estado de México. pp 358-361 [https://jlorda.files.wordpress.com/2018/12/Paz-et-al-PMC\\_Sintesis\\_Nacional\\_2018.pdf](https://jlorda.files.wordpress.com/2018/12/Paz-et-al-PMC_Sintesis_Nacional_2018.pdf)

Teck S., **J. Lorda**, N. T. Shears, T. Ben-Horin, R.E. Toseland, S.T. Rathbone, and S.D. Gaines. 2018. Quality of a fished resource: Assessing spatial and temporal dynamics. PLoS ONE 13(6): 1-25 <https://doi.org/10.1371/journal.pone.0196864>

## 2017

Beas-Luna R., E. M. Donham, S. Lummis, A. Abadía-Cardoso; **J. Lorda**, and K. J. Kroeker. 2017. Monitoreo físico, químico y biológico de arrecifes templados en Baja California. In: Paz, F. y R. Torres (Eds), Estado Actual del Conocimiento del Ciclo del Carbono y sus Interacciones en México: Síntesis 2017. Serie Síntesis Nacionales. Programa Mexicano del Carbono. Texcoco, Estado de México. pp. 396-401. <https://jlorda.files.wordpress.com/2017/12/beas-et-al-pmc-2017.pdf>

Gérard C., O. Miura, **J. Lorda**, T. H. Cribb, M. J. Nolan, and R. F. Hechinger. 2017. A native-range source for a persistent trematode parasite of the exotic New Zealand mudsnail (*Potamopyrgus antipodarum*) in France. *Hydrobiologia* 785 (1): 115-126. <http://dx.doi.org/10.1007/s10750-016-2910-8>

**Lorda J.**, A. Abadía-Cardoso, M. Almeida, R. Beas-Luna, D. Boudreau, H. Bellringer, M. Cordrey, K. Goodrich, J. McCullough and J. Crooks. 2017. Variabilidad y efectos antropogénicos en el pH en tres lagunas costeras en San Diego. In: Paz, F. y R. Torres (Eds), Estado Actual del Conocimiento del Ciclo del Carbono y sus Interacciones en México: Síntesis 2017. Serie Síntesis Nacionales. Programa Mexicano del Carbono. Texcoco, Estado de México. pp 425-428 <https://jlorda.files.wordpress.com/2017/12/lorda-et-al-pmc-2017.pdf>

Safran S.M., S.A. Baumgarten, E.E. Beller, J.A. Crooks, R.M. Grossinger, **J. Lorda**, T.R. Longcore, D. Bram, S.J. Dark, E.D. Stein, T.L. McIntosh. 2017. Tijuana River Valley Historical Ecology Investigation. San Francisco Estuary Institute-Aquatic Science Center, Richmond, CA. <http://www.sfei.org/documents/tijuana-river-valley-historical-ecology-investigation>

Teck S. **J. Lorda**, N. T. Shears, T. W. Bell, J. Cornejo-Donoso, J. E. Caselle, S. L. Hamilton, S. D. Gaines. 2017. Disentangling the effects of fishing and environmental forcing on demographic variation in an exploited species. *Biological Conservation* 209: 488-498. <http://doi.org/10.1016/j.biocon.2017.03.014>

## 2016

Crooks J. A., D. M. Talley, M. Cordrey, C. Whitcraft, **J. Lorda-Solorzano**, K. Uyeda, H. Bellringer, J. McCullough, M. Almeida. 2016. Unnatural History: Biological Invasions into Coastal Ecosystems. Proceedings of the U.S. Iran Symposium on Wetlands. Irvine, California. pp 193-203 <https://jlorda.files.wordpress.com/2017/06/crooks-et-al-us-iran-symp-invasions-in-coastal-ecosystems-2016.pdf>

Dolby G. A., R. F. Hechinger, R. A. Ellingson, L. T. Findley, **J. Lorda**, and D. K. Jacobs. 2016. Sea-level driven glacial-age refugia and post-glacial mixing on subtropical coasts, a palaeohabitat and genetic study. *Proceedings of the Royal Society B: Biological Sciences*. 283 (1843) 1-8. <http://rspb.royalsocietypublishing.org/content/royprsb/283/1843/20161571.full.pdf>

**Lorda, J.**, R. F. Hechinger, S. D. Cooper, A. M. Kuris and K. D. Lafferty. 2016. Intraguild predation by shore crabs affects mortality, behavior, growth, and densities of California horn snails. *Ecosphere* 7 (5): 1-17. <http://onlinelibrary.wiley.com/doi/10.1002/ecs2.1262/pdf>

## 2015

Bonel N. and **J. Lorda**. 2015. Growth and body weight variability of the invasive mussel *Limnoperna fortunei* (Mytilidae) across habitat and season. *Malacologia* 58 (1/2): 129-145. <http://dx.doi.org/10.4002/040.058.0202>

**2014**

Hopper J. V., A. M. Kuris, , **J. Lorda**, S. E. Simmonds, C. White, and R. F. Hechinger. 2014. Reduced parasite diversity and abundance in a marine whelk in its expanded geographical range. *Journal of Biogeography* 41(9): 1674-1684. <http://dx.doi.org/10.1111/jbi.12329>

**2013**

Bonel N., L. C. Solari and **J. Lorda**. 2013. Differences in Density, Shell Allometry and Growth Between Two Populations of *Limnoperna fortunei* (Mytilidae) from the Río De La Plata Basin, Argentina. *Malacologia* 56 (1-2): 43-58. <http://dx.doi.org/10.4002/040.056.0203>

**2012**

**Lorda J.** and K. D. Lafferty. 2012. Shading decreases the abundance of the herbivorous California horn snail, *Cerithidea californica*. *Journal of Experimental Marine Biology and Ecology* 432-433: 148-155. <http://dx.doi.org/10.1016/j.jembe.2012.07.009>

**2011**

Hechinger R. F., K. D. Lafferty, J. P. McLaughlin, B. L. Fredensborg, T. C. Huspeni, **J. Lorda**, P. K. Sandhu, J. C. Shaw, M. E. Torchin, K. L. Whitney, and A. M. Kuris. 2011. Food webs including infectious agents, biomass, body sizes, and life-stages, for three estuaries in California and Baja California. *Ecology* 92 (3):791. <http://dx.doi.org/10.1890/10-1383.1>

**2008**

Kuris A. M., R. F. Hechinger, J. C. Shaw, K. L. Whitney, L. Aguirre-Macedo, C. A. Boch, A. P. Dobson, E. J. Dunham, B. L. Fredensborg, T. C. Huspeni, **J. Lorda**, L. Mababa, F. T. Mancini, A. B. Mora, M. Pickering, N. L. Talhouk, M. E. Torchin, and K. D. Lafferty. 2008. Ecosystem energetic implications of parasite and free-living biomass in three estuaries. *Nature* 454 (7203): 515-518. <http://dx.doi.org/10.1038/nature06970>

**2006**

Ruiz GM, **J. Lorda**, A. Arnwine, and K. Lion. 2006. Shipping Patterns Associated with the Panama Canal: Effects on Biotic Exchange? In: *Bridging Divides – Maritime Canals as Invasion Corridors*; S. Gollasch, B. Galil, and A. Cohen (eds), Springer, Dordrecht. pp 113-126. [http://dx.doi.org/10.1007/978-1-4020-5047-3\\_4](http://dx.doi.org/10.1007/978-1-4020-5047-3_4)

Lafferty K. D., R. F. Hechinger, **J. Lorda**, and L. Soler. 2005. Trematodes associated with mangrove habitat in Puerto Rican salt marshes. *Journal of Parasitology* 91 (3): 697-699. <http://dx.doi.org/10.1645/GE-427R>

**Conferences and invited seminars (only included as presenter)**

**Lorda J.** 2021. Aquaculture of the Pacific oyster, *Crassostrea gigas*, and local invasive populations in coastal wetlands of Baja California. Pacific Estuarine Research Society - California Estuarine Research Society Joint Meeting.

**Lorda J.** 2020. Long term variability of temperature, species range shifts, and insights into the future. Spring 2020 John and Mary Louise Riley Seminar Series at the University of California, Davis Bodega Marine Laboratory.

**Lorda J.** 2019. Ecological Impacts of Recent Marine Heat Waves. Marine Ecology and Biology Student Association Seminar. San Diego State University. San Diego, California, USA.

**Lorda J.** 2018. Cambios en los rangos de distribución de especies y variabilidad en la temperatura a largo plazo en sistemas costeros. Cuerpo Académico Ecología, Conservación y Manejo de Recursos Marinos. Foros de Investigación y Cuerpos Académicos de la Facultad de Ciencias, UABC, Ensenada, México.

**Lorda J.,** M. Almeida, R. Beas-Luna, D. Boudreau, M. Cordrey, K. Goodrich, J. McCullough, and J. Crooks. 2018. Species range shifts, long term variability of temperature on coastal systems, and insights into the future. PICES, International Symposium on “Understanding Changes in Transitional Areas of the Pacific”. La Paz, Baja California Sur, México.

**Lorda, J.,** Almeida, M.; Boudreau, D., Bellringer, H., Cordrey, M., Goodrich, K., McCullough, J., and J. Crooks. 2017. Long term variability of pH and temperature in coastal lagoons. Western Society of Naturalists, Pasadena, California, USA.

**Lorda J.,** A. Abadía-Cardoso, M. Almeida, R. Beas-Luna, D. Boudreau, H. Bellringer, M. Cordrey, K. Goodrich, J. McCullough y J. Crooks. 2017. Variabilidad y efectos antropogénicos en el pH en tres lagunas costeras en San Diego. Programa Mexicano del Carbono, Ensenada, Baja California, México.

**Lorda J.** 2016. Ecología de comunidades y redes tróficas en las lagunas costeras de la Alta y Baja California. CICESE, Ensenada, Baja California, México.

**Lorda J.** 2016. Ecología de comunidades y redes tróficas en las lagunas costeras de la Alta y Baja California. Instituto de Investigaciones Oceanológicas, Universidad Autónoma de Baja California, Ensenada, Baja California, México.

- Lorda J.** 2015. Changing benefits from the Tijuana River Estuary: A look through TIME. Tijuana River National Estuarine Research Reserve, Saturday Speaker Series, San Diego, California, USA
- Lorda J.** 2014. The fascinating and hidden life of the Tijuana Estuary: Snails, parasites, and more. Tijuana River National Estuarine Research Reserve, Saturday Speaker Series, San Diego, California, USA
- Lorda J.** 2014. Temporal Investigations of Marsh Ecosystems (Time): Using temporal information to inform restoration planning in southern California wetlands. Headwaters to Ocean (H2O) Conference, San Diego, California, USA.
- Lorda J.** and N. Bonel. 2013. Growth and body weight variability of the invasive mussel *Limnoperna fortunei* (mytilidae) across habitat and season. Western Society of Naturalists, Oxnard, California, USA.
- Lorda J.,** L. C. Solari and N. Bonel. 2013. Differences in density, allometry, and growth between two populations of *Limnoperna fortunei* (Mytilidae) from the Río de la Plata basin, Argentina. The Coastal & Estuarine Research Federation, San Diego, California, USA.
- Lorda J.** 2012. The effects of shore crabs on the mortality, behavior, growth, and densities of California horn snails (*Cerithidea californica*). Western Society of Naturalists, Seaside, California, USA.
- Lorda J.** 2012. Shading decreases the abundance of the herbivorous California horn snail, *Cerithidea californica*. California Estuarine Research Society. Long Beach, California, USA.
- Lorda J.,** R. F. Hechinger and K. D. Lafferty. 2010. Abundance and distribution of the intertidal horn snail, *Cerithidea californica*, throughout its northern range. Western Society of Naturalists, San Diego, California, USA.
- Lorda J.,** R. F. Hechinger and K. D. Lafferty. 2009. What controls the populations of the New Zealand mud snail, *Potamopyrgus antipodarum*, in its native range? Western Society of Naturalists. Monterey, California, USA.
- Lorda J.,** J. V. Hopper, C. White, S. Koch, and A. M. Kuris. 2009. Distribution and abundance of parasites of *Kelletia kelletii*, a marine whelk with a recent range expansion. International Temperate Reef Symposium. Adelaide, South Australia, Australia.
- Lorda J.,** J. V. Hopper, C. White, S. Koch, and A. M. Kuris. 2007. Distribution and abundance of parasites of *Kelletia kelletii*, a marine whelk with a recent range expansion. From Alaska to Chiapas: North American Parasitology Conference. Mérida, Yucatán, México.
- Lorda J.,** and G. Ruiz. 2006. The Panama Canal and its role on the globalization of marine biota. Ecology in an Era of Globalization, Ecological Society of America. Mérida, Yucatán, México.

**Lorda J.,** K. D. Lafferty, R. F. Hechinger, and Soler L. 2004. Trematodes associated with mangrove habitat in Puerto Rican salt marshes. Invited Speaker. Western Society of Malacologists. Ensenada, Baja California, México.

### **Grants, Fellowships, and Awards**

- 2019-2021 21va. Convocatoria Interna de Apoyo a Proyectos de Investigación. UABC. 485,780.24 MX
- 2019-2021 UCMEXUS-CONACYT. \$24,980 USD
- 2017 PRODEP. Apoyo a la Incorporación de NPTC. México. \$387,539 MX
- 2016-2022 CONACYT. National Researcher System, Level 1.
- 2015 The Blasker-Rose-Miah Fund. The San Diego Foundation. USA. \$39,743 USD
- 2012 Pre-doctoral Fellow. Smithsonian Environmental Research Center. USA. \$22,500 USD
- 2009-2011 California Sea Grant Fellowship. USA.
- 2010 Graduate Division Fee Fellowship, University of California Santa Barbara. Spring 2010.
- 2008-2009 Graduate Division Fee Fellowship, University of California Santa Barbara. Fall 2008, Winter 2009.
- 2009 Graduate Division Travel Grant, University of California Santa Barbara.
- 2008 Departmental Travel Grant, Ecology Evolution and Marine Biology, University of California Santa Barbara.
- 2006 - 2007 Smithsonian Institution. Marine Science Network. Role of the Panama Canal in regional and global marine invasions: A Pilot Project. \$10,000 USD
- 2006 Travel Award Ford Foundation Grant. Ecology in an Era of Globalization, Ecological Society of America. Mérida, Yucatán.
- 2003 - 2008 CONACYT Fellowship. University of California, Santa Barbara. USA. \$93,945 USD
- 2003 - 2008 UCMEXUS Fellowship. University of California, Santa Barbara. USA. \$64,719 USD
- 2001 Outstanding Student Recognition. Universidad de Guadalajara.
- 1999 - 2000 PROMESAN Exchange Program Fellowship. University of Western Ontario - Universidad de Guadalajara.
- 1998 Mexican Academy of Science. Summer Internship Program Fellowship.



1997 Outstanding Student Scholarships Program. Universidad de Guadalajara.

### **Research Positions**

2016 - present Professor/Researcher. Facultad de Ciencias, Universidad Autónoma de Baja California, Ensenada, Baja California, México

2013 - 2016 Postdoctoral Researcher. Tijuana River National Estuarine Research Reserve. Imperial Beach, California, USA

2012 Pre-doctoral Fellow. Smithsonian Environmental Research Center. USA.

2009-2011 Sea Grant Student Fellowship, University of California, Santa Barbara, California, USA.

2004 - 2008 Graduate Student Researcher. University of California, Santa Barbara, California, USA

2001 - 2003 Research Assistant. Smithsonian Environmental Research Center. Marine Invasions Research Laboratory. Edgewater, Maryland, USA.

2000 - 2001 Research Assistant. Laboratorio de Ecología Marina y Acuicultura. Universidad de Guadalajara. Guadalajara, Jalisco, México.

1998 Summer. Research Internship. Centro de Investigación Científica y Estudios Superiores de Ensenada. Ensenada, Baja California, México.

1997 - 1998 Research Assistant. Laboratorio de Ecología Marina y Acuicultura. Universidad de Guadalajara. Guadalajara, Jalisco, México.