



PABLO HERNÁNDEZ ALMARAZ

PROFESSOR AND RESEARCHER

PROFILE

I am dedicated to teaching and research in ecotoxicology. I collaborated in research projects on marine pollution and effects of emerging pollutants

CURRENT OCCUPATION

Subject Professor and Resercher

Academic Department of Marine and Coastal Sciences, Universidad Autónoma de Baja California Sur, Mexico

PROJECTS (PARTICIPANT)

- Microplastics in environments used by dolphins and in their diet. UABCS. *In progress*
- Evaluation whether plastic-associated contaminants, such as di- (2-ethylhexyl) phthalate (DEHP), induce oxidative stress, protein damage, lipids, and detoxification mechanisms in primary cells of human muscle culture. Responsible: Tania Zenteno Savín. *In progress*

CONTACT INFORMATION

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EDUCATION AND TRAINING

Doctor of Sciences

Centro de Investigaciones Biológicas del Noroeste, Mexico

- Doctoral Thesis: Bioaccumulation of Cd, Pb, Cu, Zn and Fe in a gastropod and two species of sea urchins by consumption of macroalgae associated with *Sargassum* beds in Bahía de La Paz, Baja California Sur, Mexico

Postdoctoral Stay

Instituto Antártico Chileno

- Evaluation of the expression of immune and stress genes in the Antarctic Sea urchin *Sterechinus neumayeri*, before the effect of nanoparticles (nanometals and nanoplastics)

RECENT PUBLICATIONS

- Arreola-Lizárraga, J.A., G. Padilla-Arredondo, T.M. Ruiz-Ruiz, L.M. Cruz-García, L.C. Méndez-Rodríguez, P. Hernández-Almaraz, H.H. Vargas-González (2018). Estuaries and Coastal Lagoons of Mexico: Challenges for science, management, and conservation. Chapter 12. In: A. Ortega-Rubio (Ed.). Mexican Natural Resources Management and Biodiversity Conservation. Recent Case Studies. Springer, Cham, Switzerland, pp. 251- 283. ISBN 978-3-319-90583-9
- Bergami, E., Emerenciano, A. K., González-Aravena, M., Cárdenas, C. A., Hernández, P., Silva, J. R. M. C., & Corsi, I. (2019). Polystyrene nanoparticles affect the innate immune system of the Antarctic sea urchin *Sterechinus neumayeri*. *Polar Biology*, 42(4), 743-757.
- Hernández-Almaraz, P., L. Méndez-Rodríguez, T. Zenteno-Savina, T.M. O'Hara, J.R. Harley, E. Serviere-Zaragoza (2016). Concentrations of trace elements in sea urchins and macroalgae commonly present in *Sargassum* beds: implications for trophic transfer. *Ecological Research* 31(6), 785-798.