

Jeremie Bauer

Personal Data

Ph.D. Candidate

Universidad Autónoma de Baja California (UABC)

Email: Jeremie.bauer@uabc.edu.mx

Born: Paris, France on December 18, 1991

Nationalities: French / Mexican

Languages: English, French & Spanish



PADI Instructor #280109

<https://mex-cal.org/team/jeremie-bauer/>

Interests

Abalone

Marine reserves

Conservation aquaculture / Mariculture / Integrated Multitrophic Aquaculture (IMTA)

Ecosystem restoration / Restocking / Translocation

Social-ecological complex systems

Climate change resilience / Capacity building

Artisanal fisheries / Stock assessment / Fisheries improvement

Education

2019- 2022 **Ph.D. candidate**, Coastal Oceanography Program, Universidad Autónoma de Baja California (UABC), Ensenada, Baja California, Mexico. **Thesis**

2017-2019 **Master of Science**, Coastal Oceanography, Honorific Mention, UABC. **Thesis**
School Merit Master's degree, best grades of the generation 2017-2019.

2011-2016 **Bachelors**, Marine Biology, Honorific Mention, Universidad Autónoma de Baja California Sur (UABCS), La Paz, Baja California Sur, Mexico. **Thesis**

Publications

2022 **Bauer, J.**, Beas-Luna, R., Searcy-Bernal, R., Micheli, F., Vázquez-Vera, L., Boch, C., Carpizo-Ituarte, E., Lafarga-De la Cruz, F., Montañó-Moctezuma, G., Lorda, J. Growth of juvenile red abalone (*Haliotis rufescens*) co-cultivated with warty sea cucumber (*Apostichopus parvimensis*). *In rev.* Journal of International Aquaculture Society.

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- 2020 **Bauer, J.** Lorda, J., Beas-Luna, R., Malpica-Cruz, L., Lafarga- De la cruz, F., Micheli, F., Searcy-Bernal, R., Rogers-Bennett, L., Bracamontes-Peralta, M. The effects of depth and diet on red abalone growth and survival in cage mariculture at San Jeronimo Island, Baja California, Mexico. *Ciencias Marinas*, 46(4), 343-347.
- 2019 **Bauer, J.**, Vázquez-Vera, L., Espinoza-Montes, A., Lorda, J., Beas-Luna, R., Vela-Gallo, C., Reyes-Bonilla, H. Multi-trophic aquaculture of green abalone (*Haliotis fulgens*) and warty sea cucumber (*Apostichopus parvimensis*), enhances production. *Journal of Shellfish Research*, 38(2), 455-461.
- 2019 Beas-Luna, R., Lorda, J., Malpica-Cruz, L., Montaña-Moctezuma, G., Zepeda-Domínguez, J.A., Abadía-Cardoso, A., **Bauer, J.**, *et al.* Bosques de macroalgas en arrecifes templados de México. *Síntesis Nacional del Programa Mexicano del Carbono*.

Conferences presentations

- 2022 “Promoting management and conservation actions to recover abalone populations in Mexico” Aquaculture 2022, San Diego, USA. International event.
- 2021 “Short term benefits of marine reserves on abalone populations at Guadalupe Island, Mexico” Western Society of Naturalist, International online event.
- 2021 “Acciones de manejo y monitoreo poblacional del abulón azul (*Haliotis fulgens*) en Isla Guadalupe, B.C., México” ASOCEAN, Ensenada, Baja California, México.
- 2021 “Population monitoring and management actions of the green abalone (*Haliotis fulgens*) at Guadalupe Island, B.C., Mexico” Western Society of Malacologist, International online event.
- 2021 “Abalone Mariculture in Baja California: a conservation aquaculture project” Nacional Shellfish Association, International online event.
- 2021 “Importancia de los equinodermos en el Pacífico de Baja California, México” X FIRMA, International online event.
- 2020 “The effect of two invasive algae on red abalone, *Haliotis rufescens*, growth and survival” Western Society of Naturalist, International online event.
- 2019 “The effects of depth and diet on red abalone growth and survival in cage mariculture at San Jeronimo Island, Baja California, Mexico” Western Society of Naturalist, Ensenada, Mexico
- 2018 “Abalone and sea cucumbers: the roll of aquaculture for sustainable food production” Western Society of Naturalist, Tacoma, Washington, U.S.A.
- 2018 “Multitrophic aquaculture of green abalone *Haliotis fulgens* and warty sea cucumber *Parastichopus parvimensis* enhances production”. 10th International Abalone Symposium. Xiamen, China.
- 2018 “Mejorando el crecimiento del abulón *Haliotis spp.* al co-cultivarlo con pepino de mar” **Winner 2nd place.** XXVI student national conference UABC/FCM. Ensenada, Baja California, Mexico.
- 2017 “Co-cultivo de abulón azul *Haliotis fulgens* y pepino de mar *Parastichopus parvimensis* en Isla Natividad, B.C.S., México”. Symposium UABC, Ensenada, Baja California, México.

- 2015 “Co-cultivo de abulón azul *Haliotis fulgens* y pepino de mar *Parastichopus parvimensis* en Isla Natividades, B.C.S., México”. Marine Biology Student Conference UABCS, Baja California Sur, Mexico.
- 2014 “Efecto de la salinidad en el cultivo larvario del langostino de río *Macrobrachium americanum* (Bate, 1868) (Decápoda: Caridea: Palaemonidae)”. Marine Biology Student Conference UABCS, Baja California Sur, Mexico.

Work Experience

- 2019-2020 **Biology teacher 7th grade**, Ensenada, B.C., Mexico
I taught Biology to three 7th grade classrooms (75 students) at St. Patricks School.
- 2018-2022 **Invited lecturer**, Ensenada, B.C., Mexico
Sciences Faculty, UABC, in the classes of Invertebrates and Community Ecology in charge of Dr. Julio Lorda.
- 2016 **Aquaculture lab**, Natividad Island, Baja California Sur (B.C.S.), Mexico
Four months in charge of a multitrophic experiment with abalone and sea cucumber for my bachelor thesis.
- 2015 **High Value Marine Resources Monitoring, Scuba diving**, La Paz, B.C.S., Mexico
Lead diver in a federal (CONANP) monitoring of two marine species (brown sea cucumber *Isostichopus fuscus*, and clam *Spondylus calcifer*) from Los Barriles to La Paz.
- 2015 **Academic assistant**, La Paz, B.C.S., Mexico
In charge of laboratory classes on the subject "Amniotes" by Dr. Juan Guzmán Poo to a group of 22 sixth-semester bachelor students at UABCS.
- 2011 **Club Med**, Cancun, Q.R., Mexico
I worked three months in the Miniclub with children from 4-7 years old.
- 2007-2011 **DIVEMASTER** for SCUBA diving. **Mahahual Dive Center**, Mahahual, Q.R., Mexico

Skills

- Fluency in languages (**French, Spanish, English**)
- Ability to deliver lectures and oral presentations
- Capacity building in climate change resilience, diving, and scientific monitoring.
- PADI Instructor, 2010. UDC, Utila, Honduras.
- Emergency First Responder Instructor, 2010, UDC, Utila, Honduras.
- PADI Instructor Specialties:
 - Enriched air (NITROX)
 - Gas blender (TRIMIX)
 - Wreck
 - PADI O2 provider
- Cave Diver (IANTD)

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References

Dr. Rodrigo Beas Lunas

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Dr. Julio Lorda Solórzano

Science Faculty, UABC, Ensenada, Mexico.

Email: jlorda@uabc.edu.mx

Dr. José Alfonso Vélez Barajas

Marine Biology Department, UABCS, La Paz, Mexico.

Email: velezba1@gmail.com

Biol. Leonardo Vázquez Vera

The Nature Conservancy (TNC), La Paz, Mexico

Email: lvazquez.vera@gmail.com

Dr. Eugenio Carpizo Ituarte

Oceanological Research Institute (IIO), UABC, Ensenada, Mexico

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