

CURRICULM VITAE

Name: Mauricio Bonilla Flores
Email: m.bonilla-flores@tu-braunschweig.de
Phone: +49 15770722357
Nationality: Mexican
Address: Langer Kamp 19C, 38106 Braunschweig, Germany

Research interest

Taxonomy and Population ecology of non-marine ostracods, life cycles (stages of development) and laboratory culture.

Academic background

- 2019: Master in Science. Postgraduate in Biological Sciences. Institute of Geology, Field of knowledge: Ecology. University City, UNAM. Thesis: Structure and dynamic population of *Potamocypris smaragdina* (Vávra, 1891) (Crustacea: Ostracoda) and their relationship with environmental variables in the modern Chalco lake. Honorific mention. Advisor: Dr. rer. nat. Liseth Carolina Pérez Alvarado.
- 2014: Degree in Biology. Faculty of Sciences (FC), University City, UNAM. Thesis: Zoogeographic aspects of crustaceans (Stomatopododa, Decapoda) of the Revillagigedo Archipelago. Professional license: 09145991. Advisor: Ph. D. Ana Margarita Hermoso Salazar.

Academic improvement

Workshops

1) 2014. Workshop on beaches and coastal dunes: patterns and processes for their conservation and management, Ph D. Marisa Martínez Vázquez, Ph D. Gabriela Mendoza González, Ph D. Rodolfo Silva Casarín and Ph D. Edgar G. Mendoza Beldwin, 24 to February 28, 2014, with a total of 10 hours, in the Engineering Tower, UNAM.

Courses

- 1) 2014. Multivariate analysis applied to ecology, taught by Dr. Marco A. Martínez Muñoz, from February 5 to March 5, 2014, with a total of 40 hours, in the Postgraduate Program in Marine Sciences and Limnology, UNAM.
- 2) 2014. Neotropical aquatic bioindicators: ostracods, cladocerans, chironomids, testate amoebae and diatoms, taught by Dr. Liseth Pérez Alvarado, from July 28 to August 3, 2014, with a duration of 40 hours of theory and field practice, in the Postgraduate in Earth Sciences.
- 3) 2014. Interaction of symbiotic decapods, taught by Dr. Ernesto Campos, held from November 27 to 29 within the framework of the IX National Meeting Alejandro Villalobos.
- 4) 2020. International Course and Workshop: Neotropical Zooplankton, from 9 to 30 november, 2020, with duration a total 72 hours, University of Cauca, Colombia.

Congresses

- 2014. IX National Meeting Alejandro Villalobos, Tuxtla Gutiérrez, Chiapas. Lecture in co-authorship (Mauricio Bonilla Flores and Ana Margarita Hermoso Salazar): Zoogeographic aspects of crustaceans (Stomatopoda, Decapoda) of the Revillagigedo Archipelago, from October 27 to 31, 2014. (Winners of 1st place in oral presentations).

Research stays

- 2017 (October 14 to November 25): Research stay in the population ecology of freshwater ostracods, Cavanilles Institute of biodiversity and evolutionary biology, University of Valencia, Spain. October 14 to November 25, 2017, CONACYT Support. **Supervisors:** Dr. Francesc Mesquita Joanes.
- 2019. (June to August): Research stay for breeding and culturing freshwater ostracods for biological, morphological and genetic analysis. Institute of Geosystems and Bioindication, Braunschweig Technical University, Germany. June to august, 2019. **Supervisors:** Dr. rer. nat. Liseth Pérez, Prof. Dr. Antje Schwalb.
- 2019. Participation in a campaign of investigation to Lacandon lakes (Tzibana and Metzabook, Chiapas, Mexico. (October 2019).

Research

Publications:

- Bonilla-Flores, M., Pérez, L., Charqueño-Celis, N. F., Echeverria-Galindo, P. G., Lozano García, M. S., Caballero, M., Tavera, R. L., Arellano, O., Ortega B. **Aquatic bioindicators with paleolimnological potential in Lake Chalco, Mexico.** *In preparation.*

