

Curriculum vitae, synthesis



Alejandro Luis Collantes Chávez-Costa

Email: collants@uqroo.edu.mx

Universidad de Quintana Roo

Unidad Académica Cozumel

Laboratorio de ecología de plantas

Webpage: www.uqroo.mx

Appointments

Researcher / Professor Full Time

- Professor of The PhD Sustainable Development Program
- Professor of The Master in Sustainable Tourism Management Program
- Professor of the Undergraduate program of Natural Resources Management.
- Researcher in head of the *Plant Ecology Laboratory*

Academic Preparation

- Ph. D. in Sciences and Plant Biotechnology, Yucatan Center for Scientific Research (*Centro de Investigación Científica de Yucatán*), 2010
- MSc in Forestry, *Chapingo Autonomous University (Universidad Autónoma Chapingo)*, 2000
- Undergraduate in Biology, Autonomous University of México (*Universidad Nacional Autónoma de México*), 1997.

Research focus

- Diversity and ecology of plants in harsh environments: (I am interested in the study of the factors and mechanisms involved in the process of assembling plant communities in harsh environments, and those altered by forest fires, throughout the regeneration process and the ecological succession. I use dry tropical forests, coastal scrub, dune vegetation and arid shrubland as systems for this study).
- Ecology of recreation: (I am interested in the study of the ecological impacts generated in the natural spaces subject to tourism activities, the visual evaluation of the landscape, and the management of protected areas).

Competitive awards

2010-Current: Desirable Profile Recognition. Secretary of Public Education – Mexico.

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Last Publications

Collantes-Chávez-Costa, A., Alanis-Rodríguez, E., Yam-Uicab, O., López-Contreras, C., Sarmiento-Muñoz, T., & Tapia-Muñoz, J. L. (2019). Composition, structure and diversity of coastal vegetation in the northeastern of Cozumel, Mexico. *Botanical Sciences*. 97(2), 135-147.

Chan, S. B. C., Guadarrama, A. M., Chávez-Costa, A. L. C., & Botello, L. C. S. (2019). Los valores egocéntricos desfavorecen el comportamiento pro-ambiental de los guías de buceo en el Parque Nacional Arrecifes de Cozumel. *ACTA UNIVERSITARIA*. 29, 1-14.

José Manuel Mata-Balderas, Eduardo Javier Trevino-Garza, Eduardo Alanís-Rodríguez, Alejandro Collantes Chávez-Costa, Ernesto A Rubio-Camacho, Arturo Mora-Olivo, José Guadalupe Martínez-Avalos. (2018). Structure and diversity of *Larrea tridentata* (dc.) Coville, microphyllus desert scrub in northeast Mexico. *Interciencia*. 43(6), 449-454

Eduardo Alanís-Rodríguez, Alejandro Valdecantos-Dema, Pamela A Canizales-Velázquez, Alejandro Collantes Chávez-Costa, Ernesto Rubio-Camacho, Arturo Mora-Olivo. (2018). Análisis estructural de un área agroforestal en una porción del matorral xerófilo del noreste de México. *Acta botánica mexicana*. 125, 133-156.

Eduardo Alanís-Rodríguez, Víctor M. Molina-Guerra, Javier Jiménez-Pérez, Ernesto A. Rubio-Camacho, Arturo Mora-Olivo, Alejandro Collantes-Chávez-Costa and Jonathan J. Marroquín-Castillo. (2017). Composition, structure and diversity of a mesquite in Pesquería. *Revista Chilena de Historia Natural*. 90(1), 4.

Research projects

2014 Research funds: Characterization of coastal beach-dune system of the island of Cozumel. CONANP. **Researcher leader**

2004-2007 Research funds: Characterization and monitoring of the structure, diversity and dynamics of tropical dry forests in the biocultural reserve of Kiuic southern Yucatan. SEMARNAT. **Researcher member team.**

Academic events participation

Participation with more than 30 oral presentations in national and international congress and symposiums.

Thesis advisor and supervisor

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More than 15 Bsc theses advised or supervised.

Ms Quintana Roo University: Cruz López Contreras (Visual and ecological attributes for assessing preferences in the coastal landscape. Finished-Supervisor), Leonardo Nava (Tourist camps in Mexico: survey and territorial analysis Finished-advisor). Sandra Chan Chan (The values, norms and beliefs and the intent of protecting the marine environment of the dive guides in the National Park Cozumel Reefs. In progress-Supervisor), Jovita Lopez Contreras (Behavioral intention of dive guides at the measures of control during diving activity in natural protected areas. In progress-Supervisor). Eréndira Coral Zaragoza (Diagnosis and implementation of pressure degree on the aquifer of the Cozumel Island Finished-Advisor).

Ph. D. Quintana Roo University: Cruz López Contreras (Visual preferences and economic assessment in the social assessment of the coastal landscape east of Cozumel, and its relationship with the aesthetic- ecological concepts), Oscar Yam Uicab (Assembly rules in coastal dune vegetation at Cozumel Quintana Roo).

Academy member

Mexican Scientific Society of Ecology
Mesoamerican Society for Biology and Conservation

Academic Reviewer and Ad hoc reviewer

Teoría y Praxis, Multiciencias, Botanical Science, Revista Chapingo Serie Ciencias Forestales y del Ambiente.

Visiting Professor

University for International Cooperation, (*Universidad para la Cooperación Internacional*) Costa Rica
Autonomous University of Morelos State (*Universidad Autónoma del estado de Morelos*) Mexico 2014
