

Research advances in the knowledge on crocodilians of Mexico: analysis from the Web of Science database

José Rogelio Cedeño-Vázquez^{*1}, José Santos Gómez-Morales², Gabriela Zacarías de León²

¹Department of Systematics and Aquatic Ecology. El Colegio de la Frontera Sur (Ecosur), Av. Centenario Km 5.5, 77014, Chetumal, Quintana Roo, Mexico (rcedenov@ecosur.mx)

¹Sistema de Información Bibliotecario de Ecosur (SIBE), campus Chetumal (jsantos@ecosur.mx; gzacaria@ecosur.mx)

Abstract: The knowledge on wildlife is fundamental for the implementation of programs for the conservation, management, and sustainable use of species, including crocodilians. Mexico is home to two crocodile species (*Crocodylus acutus* and *C. moreletii*) and one caiman species (*Caiman crocodilus*), all of which are in some risk category at the international (IUCN) and national level (NOM-059-SEMARNAT-2010). Here we present the results of a search for publications of studies carried out in Mexico, including information on the three crocodilian species, published in journals indexed in the Web of Science database up to 2021. Most of the products focused on either or both species of crocodiles (55 included *C. moreletii*, 52 included *C. acutus*), and only 10 articles mentioned *Caiman crocodilus*. Most publications correspond to articles (93%), while the remaining include proceeding papers, letters, meeting abstracts, and scientific notes among others. The publications are mainly concentrated in 11 thematic areas, with Zoology standing out with 32, Biodiversity Conservation with 24, Environmental Sciences Ecology with 20, and Veterinary Sciences with 11. Considering authors' productivity, specialists with the highest number of publications are Pierre Charruau with 22, J. Rogelio Cedeño-Vázquez with 10, Sergio E. Padilla-Paz with 9, Armando H. Escobedo-Galván with 8, Marco A. López-Luna and Mauricio González-Jáuregui with 7 publications each. Future research efforts must be focused on topics less aborbed, such as Toxicology, Biochemistry Molecular Biology, Parasitology, Evolutionary Biology, and Physiology.

Keywords: Knowledge, *Crocodylus acutus*, *Crocodylus moreletii*, *Caiman crocodilus*, Mexico

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