

Siderophores from fish pathogenic bacteria and their application against infectious diseases in aquaculture

Prof. Dr. Carlos Jiménez

Universidade da Coruña, Dept. de Química and Centro Interdisciplinar de Química e Biología (CICA). Coordinator of the research group PRONAMAR (Natural Marine Products). <https://www.pronamar.com/es/>

Email: carlos.jimenez@udc.es



After obtaining my Bachelor's and Doctorate in Chemistry at University of Santiago de Compostela, I moved to the USA for two postdoctoral stays during three years: two years (1988-1990) in the Dept. of Chemistry and Biochemistry of the University of California in Santa Cruz (UCSC) and one year (1990-91) at the Scripps Clinic and Research Foundation Research Institute La Jolla, California. I returned as Assistant to the University of Santiago (1991-92) and then, I became Associate Professor at the University of A Coruña (UDC) (1993-2009). Since 2010, I am Full Professor at the Department of Chemistry of the Faculty of Sciences of the University of A Coruña (UDC). I was Invited Professor at several Universities in Europe, USA, and several Latin-American Universities'.

I am the author/co-author of more than 160 scientific contributions in scientific journals (155), books (1) and book chapters (5), and eight patents. I was the Principal Investigator/responsible in 20 research projects (one belonging to the VIII Framework Program) and in 7 agreements signed with pharmaceutical companies through the University. I have participated as a researcher in other 17 projects. I have given 9 plenary conferences in Congresses, two of them in Gordon Research Conferences 2014 and 2024 in the USA. I have presented more than 150 oral/posters communications to Chemistry Meetings, participating in two of them as Secretary and being the coordinator of four Symposium of Natural Products at three National Chemistry Meetings of the RSEQ. Main lines of research: (1) Siderophores of pathogenic bacteria in aquaculture fish (2) Isolation, structural elucidation and synthesis of bioactive natural products (3) Development of new NMR methodologies.

I supervised 21 PhD students, as well as 16 TFM in two Masters.

I get 6 recognized "six-years" research periods (6 sexenios), one "six-years" innovative recognition (1 sexenio de transferencia), and two awards from the Royal Academy of Galician Sciences.

Management positions: Vice-Dean of Faculty of Sciences (1999-2005); Director of Chemistry Department (2009-2013) at UDC; President of the Executive Board of the Specialized Group of Natural Products Chemistry of the Spanish Royal Society of Chemistry (RSEQ) (2015-2019). I am in the Editorial Board of Marine Drugs and Review

Editor on the Editorial Board of Marine Biotechnology in Frontiers in Marine Science. Reviewer of national/international research grants. Since 2015, I am Member of the International Scientific Committee of the Journal of the Colombian Academy of Exact, Physical and Natural Sciences.

4356 citations and h-index 36 (Scopus)/6279 citations and h-index 45 (Google Académico). I was included in a World's Top 2 % Scientist List, a ranking of the World Scientists elaborated by Stanford Institution based on Scopus Data Base (2023 -2025).

[Scopus Author Id: 26643199900](#)

[Orcid 0000-0003-2628-303x](#)

[Researcher Id G-9622-2015](#)