

RESUME



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Professional Status: Full Professor of Microbiology

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ACADEMIC TITLES:

- M.Sc. in Microbiology. University of Santiago, SPAIN.
- Doctor in Microbiology (Ph. D.). University of Santiago. SPAIN.

POSTDOCTORAL RESEARCH:

- Department of Microbiology. University of Maryland. College Park, MD (USA). 1979-1980
- Department of Microbiology & Immunology. Medical School. Oregon University (USA). 1981

RESEARCH:

Member of the committee of experts for the evaluation of the following national and international programmes.

- Comisión de Investigación Científica y Técnica (CICYT)(SPAIN)
- Dirección General de Investigación Científica y Tecnológica (DGICYT) (SPAIN).
- Comisión de Desarrollo Tecnológico e Industrial (CDTI) (SPAIN)
- International Science Foundation (Sweden)
- Marine Sea Grant Programme (USA)
- Binational Agricultural Research & Development Fund (USA-Israel).
- Sea Grant College Program Universidad de Maine, Oregon (USA)
- Colciencias (Chile)

Advisor of different international journals in aquaculture: Diseases of Aquatic Organisms. Journal of Fish Diseases. Aquaculture (Section Pathology and Diseases). Microbial Pathogenesis. Journal of Aquatic Animal Health. Electronic Journal of Biotechnology. FEMS Microbiology Letters.

Participation on 41 Research and Development Projects on Aquaculture funded by National, Regional, European (EC) and American Institutions as well as a great number of Research and Technological Agreements with public and private enterprises.

Publications in Research Journals included in the SCI (Science Citation Index) : 150

Communications to International and National Meetings: More than 300

Supervision of 12 Master Thesis and 11 Doctoral Thesis: On Pathology in Aquaculture and Marine Microbiology.

Professor in Aquaculture Courses on different national and international Universities and Research Centers: 37

Invited in 39 National and International Conferences, Workshops and Round Tables

VACCINES UNDER PATENT:

- Vacuna anti-*Vibrio anguillarum* (GAVA-3). No. P9800889
- Vacuna anti-*Pasteurella piscicida* (DI) .No. P9620156
- Procedimiento de preparación de bacterias probióticos para su uso en criaderos de moluscos crustáceos y peces. No. P200300793
- Procedimiento para la preparación de una vacuna anti-*Philasterides dicentrarchi*, agente productor de la escuticociliatosis en peces marinos en cultivo. P200502570
- Vacuna Anti-enterococcus SP (ET-2). P9602157

FIELDS OF EXPERTISE

- Phenotypic, antigenic and molecular characterization of fish pathogens.
- Development of diagnostic methods for bacterial fish pathogens.
- Chemotherapy and Vaccination in Aquaculture.
- Epizootiology.
- Bioaccumulation and transmission of enteric viruses by molluscs.
- Application of the genomic and proteomic to the study of host-pathogen interaction.