

## SEM Council Members

### Name:

Alicia E. Toranzo

### Council role:

President of the Aquatic Microbiology Group

### Employer or Institute:

Universidade de Santiago de Compostela (USC), La Coruña, Spain

### Title:

Full Professor



### Main areas of study/work:

Phenotypic and molecular characterization of bacterial fish pathogens. Molecular studies of virulence mechanisms of bacterial pathogens. Development of strategies for the prevention and control of fish diseases.

### Other information of interest:

Co-Head of the Research Group on Pathology of Aquatic Animals (GIPA) at the USC.

Coordinator of the PhD program on "Advances in Microbial and Parasitic Biology" at the USC.

Member of the "Real Academia Gallega of Sciences" (RAGC) and Academy of Pharmacy of Galicia.

### Three main or most recent publications:

Buján N, Toranzo AE, Magariños B. 2018. *Edwardsiella piscicida*: A significant bacterial pathogen of cultured fish. *Diseases of Aquatic Organisms* 131:59-71. doi.org/10.3354/dao03281.

Buján N, Balboa S, Romalde JL, Toranzo AE, Magariños B. 2018. Population genetic and evolution analysis of controversial genus *Edwardsiella* by multilocus sequence typing. *Molecular Phylogenetics and Evolution* 127:513-521. doi.org/10.1016/j.ympev.2018.05.006.

Toranzo AE, Magariños B, Avendaño-Herrera R. 2017. *Vibrio* spp.: *Vibrio anguillarum*, *Vibrio ordalii* and *Aliivibrio salmonicida*. In "Fish Viruses and Bacteria: Pathobiology and Protection". PTK Woo & RC Cipriano (eds.). Chapter 23. CABI Publisher, Oxfordshire, UK.

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### Keywords:

Bacterial pathogens. Fish. Virulence. Vaccines.