
List of publications

1. Barros-García D, et al. 2020. Phylogeography highlights two different Atlantic/Mediterranean lineages and a phenotypic latitudinal gradient for the Deep-Sea Morid Codling *Lepidion lepidion* (Gadiformes: Moridae). *Deep-Sea Research Part I: Oceanographic Research Papers* 157: 103212.
2. Bañón R, De Carlos A, Alonso-Fernández A, Ramos F, Baldó F. 2020. Apparently contradictory routes in the expansion of two fish species in the Eastern Atlantic. *Journal of Fish Biology* 96, 1051–1054.
3. Carvalho-Souza GF, et al. 2019. Natural and anthropogenic effects on the early life stages of European anchovy in one of its essential fish habitats, the Guadalquivir estuary. *Marine Ecology-Progress Series* 617-618: 67-79.
4. Melián CJ, Baldó F, et al. 2014. Individual trait variation and diversity in food webs. *Advances in Ecological Research*. Vol. 50. Academic Press, 207-241.
5. Melián CJ, et al. 2011. Eco-evolutionary dynamics in individual-based food webs. *Advances in Ecological Research*. Vol. 45. Academic Press, 225-268.

List of relevant projects

1. PIMETAN: The role of penguins in the biogeochemical cycles of trace metals in the Southern Ocean. Project RTI2018-098048-B-I00 of the Spanish Program for Research, Development and Innovation. From 2019 to 2021. 153,670 Euros.
2. ERDEM: Evaluation of demersal resources by direct methods in the ICES area. European Maritime and Fisheries Fund (EMFF). From 2018 to 2020. 70,420 Euros.
3. DILEMA: Oceanographic dynamics in the Gulf of Cadiz and its influence on the planktonic ecosystem. Project CTM2014-59244-C3-2-R of the Spanish Program for Research, Development and Innovation. From 2015 to 2018. 121,000 Euros.
4. ECOBOGUE: Ecology of early stages of anchovy *Engraulis encrasicolus*: The role of the Guadalquivir Estuary - Gulf of Cadiz coupled system in the recruitment of the species. Project RNM-7467 of the Andalusian Program for Research. From 2013 to 15. 114,885 Euros.
5. TPEA: Transboundary Planning in the European Atlantic. DG MARE (European Commission). From 2012 to 2014. 1,250,000 Euros.

8, URV

Universitat Rovira i Virgili (URV) is a young university that employs around 1.800 professionals, 1.150 of which are researchers and/or academic staff. The URV welcomes annually 12.000 undergraduate students, 1200 masters students, and 1200 PhD students. Despite its youth and small size (it is barely 25 years old), the URV occupies the 5th position in scientific research production at higher education institutions in Spain, and it is ranked within the 100 best universities less than 50 years old worldwide.

Principal team members involved in the proposed research activities Prof. Roger Guimerà (male) is the co-director of the SEES:lab and ICREA professor at the Dept of Chemical Engineering. His research work focuses on the development of methodologies to build probabilistic models for complex systems, and