

Irene Gallego

PhD in Aquatic Ecology

Selected Publications – July 2023

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1. Raman N., Dubey A., Millar E., Nava V., Leoni B, **Gallego I.** Monitoring Contaminants of Emerging Concern (CECs) in aquatic systems through the lens of Citizen Science. *Sci. Total Environ.* 2023
2. **Gallego I.**, Lürig M., Govaert L., Narwani A. Individual-level trait variation in phytoplankton natural communities under resource limitation: The importance of resource partitioning (*in prep.*)
3. **Gallego I.**, Huszar V.L.M., Attayde J.L. *et al.* Global warming and eutrophication implies shifts from chlorophytes to cyanobacterial dominance in semi-arid temperate climates. *Limnol. Oceanog.* (*in prep*)
4. **Gallego I.**, Narwani A. Ecology and evolution of competitive trait variation in natural phytoplankton communities under selection. *Ecol. Lett.* 2022
5. Arranz I., Davidson T.A., Benejam L., Brucet S., **Gallego I.**, *et al.* Interactive effects of lake morphometry and sticklebacks on the trophic position of arctic charr (*Salvelinus alpinus*) across lakes in Western Greenland. *J. Limnol. Fresh. Fish. Res.* 2022
6. Donis D., Mantzouki E., McGinnis DF., Vachon D., **Gallego I.** *et al.* Stratification strength and light climate explain variation in chlorophyll a at the continental scale in a European multilake survey in heatwave summer. *Limn. Oceanog.* 2021
7. Arranz I., Davidson TA., Benejam L., Brucet S., Mazzeo N., **Gallego I.**, *et al.* Interactive effects of lake morphometry and sticklebacks on the trophic position of Arctic charr, *Salvelinus alpinus* (L.), across lakes in Western Greenland. *J. Limnol. Fish. Res.* 2021
8. **Gallego I.**, Venail P., Ibelings B.W. Size predicts niche and relative fitness differences of phytoplankton species but not their coexistence. *ISME J.* 2019
9. González-Quintero R., **Gallego I.**, Juan M., Fuentes-Rodríguez F., Bonachela S., Casas J.J. Efectos del tratamiento con sulfato de cobre (CuSO₄) sobre la calidad del agua de balsas de riego. *Producción + Limpia.* 2016
10. **Gallego I.**, Pérez C., Sánchez P. *et al.* Physical, chemical and management-related drivers of submerged macrophyte occurrence in Mediterranean farm ponds. *Hydrobiologia.* 2015
11. Peñalver P., León D., Casas J.J., Fuentes-Rodríguez F., **Gallego I.**, Juan M., Pérez-Martínez C., Sánchez P., Toja J. Las balsas de riego en Andalucía: Una oportunidad para enlazar desarrollo y conservación en climas mediterráneos. *Chronica naturae.* 2015
12. **Gallego I.**, Davidson T.A., Jeppesen E., *et al.* Disturbance from pond management obscures local and regional drivers structuring assemblages of primary producers. *Freshwater Biol.* 2014

13. Juan M., Casas J.J., Elorrieta M.A., Bonachela S., **Gallego I.**, Fuentes-Rodríguez F., Fenoy E. Can submerged macrophytes be effective for controlling waterborne phytopathogens in irrigation ponds? An experimental approach using microcosms. *Hydrobiologia*. 2014
14. León D., Peñalver P., Casas J.J., Juan M., Fuentes-Rodríguez F., **Gallego I.**, Toja J. Effects of copper sulfate on zooplankton communities in ponds submitted to agricultural intensification. *Boletín Biodiv. Chile*. 2014
15. Fuentes-Rodríguez F., Juan M., **Gallego I. et al.** Diversity in Mediterranean farm ponds: trade-offs and synergies between irrigation modernisation and biodiversity conservation. *Freshwater Biol.* 2013
16. **Gallego I.**, Casas J.J., Fuentes-Rodríguez F. *et al.* Culture of *Spirogyra africana* from farm ponds for long-term experiments and stock maintenance. *Biotechnol. Agron. Soc.* 2013
17. Bonachela S., Juan M., Casas J.J., Fuentes-Rodríguez F., **Gallego I.**, Elorrieta M.A. Pond management and water quality for drip irrigation in Mediterranean intensive horticultural systems. *Irrig. Sci.* 2013
18. Juan M., Casas J.J., Bonachela S., **Gallego I.**, Fuentes-Rodríguez F., Fenoy E., Elorrieta M.A. Management effects on fungal assemblages in irrigation ponds: are biodiversity conservation and the control of phytopathogens compatible? *Fundam. Appl. Limnol.* 2013
19. **Gallego I.**, Davidson T.A., Jeppesen E. *et al.* Taxonomic or ecological approaches? Searching for phytoplankton surrogates in the determination of richness and assemblage composition in ponds. *Ecol. Indic.* 2012
20. Juan M., Casas J.J., Bonachela S., Fuentes-Rodríguez F., **Gallego I.**, Elorrieta M.A. Construction characteristics and management practices of in-farm irrigation ponds in intensive agricultural systems — agronomic and environmental implications. *Irrig. Drain.* 2012
21. Casas J.J., Toja J., Peñalver P. Juan M., León D., **Gallego I.**, *et al.* Farm ponds as potential complementary habitats to natural wetlands in a Mediterranean region. *Wetlands*. 2012
22. Casas J.J., Sánchez J.S., **Gallego I. et al.** The paradox of the conservation of an endangered fish species in a Mediterranean region under agricultural intensification. *Biol. Conserv.* 2011
23. León D., Peñalver P., Casas J., Juan M., Fuentes F., **Gallego I.**, Toja J. Zooplankton richness in farm ponds of Andalusia (southern Spain): a comparison with natural wetlands. *Limnetica*. 2010
24. Peñalver P., León D., Juan M., **Gallego I.**, Fuentes-Rodríguez F., Prieto E., Casas J.J. Toja J. ¿Son las balsas de riego una alternativa para anfibios? Resultados de un estudio iniciado en Andalucía hace tres años. *Quercus*. 2010
25. Eklund B., Elfström M., **Gallego I.**, Bengtsson B.-E., Breitholtz M. Biological and chemical characterization of harbour sediments from the Stockholm area. *J. Soils Sediments*. 2010