

## PERSONAL INFORMATION

Name **IOANNIS KARAOUZAS**

Position Associate Researcher – Water Resources Management with focus on environmental requirements

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## Education

- BSc in Biology, School of Pharmacy and Biomolecular Sciences, University of Brighton, United Kingdom (1997-2001)
- MSc in Environmental Pollution Sciences, Environmental Research Centre, Brunel University, United Kingdom (2001-2002)
- PhD in the Department of Chemistry, University of Ioannina, Greece (2007-2011)

## Research Interests

Ecology, biodiversity and conservation of freshwater ecosystems; Effects of anthropogenic disturbances and climate change on benthic invertebrates; Ecological status of river ecosystems; Ecology and taxonomy of aquatic invertebrates

## Research projects (2018-2021)

- International Project funded by the World Bank, Title: Chemical status assessment methodology reflecting the impacts of the climate changes on the status of surface water including analysis of chemical pressure, impacts, risks and status (WB12655055). 2020-2022. <https://imbriw.hcmr.gr/chemical-status-bulgaria/> - **Role:** Scientific coordinator
- National Project funded by the Region of Attica, Title: Environmental monitoring of the coastal area of Kineta and Nea Peramos. 2021-2023 - **Role:** Scientific coordinator for IMBRIW
- National Project funded by the Ministry of Environment, Title: Monitoring of the water ecological quality status in the surface water bodies of Greece. Water Framework Directive implementation (2000/60/EC). 2017-2023. <http://wfd.hcmr.gr/> - **Role:** Participant
- National Project funded by the Management Body of Parnon, Moustos, Mainalon & Monemvasia, Title: Actions to improve the conservation status of the protected fish species *Squalius keadicus* (Endangered) and *Pelagus laconicus* (Critically Endangered). **Role:** Participant
- National Project funded by the Region of Attica, Title: Research program for the ichthyofauna of Schinias Marathon National Park: Measures for addressing and preventing fish mortalities. **Role:** Participant
- International Project funded by the Global Water Partnership – GWPMED. Title: ‘Surveillance monitoring program for the Ohrid Lake Watershed’. 2019. <https://imbriw.hcmr.gr/ohrid-lake/> - **Role:** Participant

## Indicative publications in International, peer-reviewed journals until Dec-2021:

1. **Karaouzas I.**, Smeti E., Kalogianni E., Skoulikidis N.Th. (2019). Ecological status monitoring and assessment in Greek rivers: Do macroinvertebrate and diatom indices indicate same responses to anthropogenic pressures? Ecological Indicators 101: 126–132, <https://doi.org/10.1016/j.ecolind.2019.01.011>
2. **Karaouzas I.**, Theodoropoulos C., Vourka A., Gritzalis K., & Skoulikidis N. (2019). Stream invertebrate communities are primarily shaped by hydrological factors and ultimately fine-tuned by local habitat conditions. Science of the Total Environment 665, 290–299. <https://doi.org/10.1016/j.scitotenv.2019.02.134>
3. Kumar V., Parihar R.D., Sharma A., Bakshi P., Sidhu G.P.S, Bali A.S., **Karaouzas I.**, Bhardwaj R., Thukral A.K., Gyasi-Agyei Y., Comino J.R. (2019). Global evaluation of heavy metal content in

surface water bodies: a meta-analysis using heavy metal pollution indices and multivariate statistical analyses. *Chemosphere*, 236, 124364,

<https://doi.org/10.1016/j.chemosphere.2019.124364>

4. **Karaouzas I.**, Zogaris S., Froufe E., Lopes-Lima M. 2020. Rival at the gate: First record of the Asian clam *Corbicula fluminea* Müller, 1774 (Bivalvia: Corbiculidae) in Greece. *Knowledge and Management of Aquatic Ecosystems*, 421, 24. <https://doi.org/10.1051/kmae/2020017>
5. Dambri B., **Karaouzas I.**, Samraoui B., Samraoui F. 2020. Contribution to the knowledge of the caddisfly fauna of Algeria – An updated checklist of Algerian Trichoptera with new records from the Aures region. *Zootaxa* 4786, (2) 221–232. <https://doi.org/10.11646/zootaxa.4786.2.4>
6. **Karaouzas I.**, Kapetanaki N., Mentzafou A., Kanellopoulos T.D., Skoulikidis N. 2021. Heavy Metal Contamination Status in Greek Surface Waters; a review with application and evaluation of pollution indices. *Chemosphere* 263, 128192 <https://doi.org/10.1016/j.chemosphere.2020.128192>
7. Hupało K., **Karaouzas I.**, Mamos T., Grabowski M. 2020. Molecular data suggest multiple origins and diversification times of freshwater gammarids on the Aegean Archipelago. *Nature Scientific Reports* 10:19813, <https://doi.org/10.1038/s41598-020-75802-2>
8. Masouras A., **Karaouzas I.**, Dimitriou E., Tsirtsis G., Smeti E. 2021. Benthic Diatoms in River Biomonitoring – Present and Future Perspectives within the Water Framework Directive. *Water*, 13, 478. <https://doi.org/10.3390/w13040478>
9. Davranoglou L.R. & **Karaouzas I.** 2021. Further distributional records of *Lethocerus patruelis* (Stål, 1854) (Heteroptera: Belostomatidae) in Greece. *Ecologica Montenegrina* 41: 56-61. <https://doi.org/10.37828/em.2021.41.8>
10. **Karaouzas I.**, Davranoglou L.R, Kempton J. 2021. First record of the genus and *species Oligotricha striata* Linnaeus, 1758 (Trichoptera: Phryganeidae) in Greece. *Zootaxa*, 4995(1), 198–200. <https://doi.org/10.11646/zootaxa.4995.1.13>
11. Theodoropoulos C., **Karaouzas I.**, Stubbington R. 2021. Biotic indices of hydrological variability as tools to inform dynamic ecological status assessments in river ecosystems. *Journal of Environmental Management* 295, 113124, <https://doi.org/10.1016/j.jenvman.2021.113124>.
12. Skoulikidis N.T., **Karaouzas I.**, Amaxidis Y. and Lazaridou M. 2021. Impact of EU Environmental Policy Implementation on the Quality and Status of Greek Rivers. *Water* 13, 1858. <https://doi.org/10.3390/w13131858>
13. Theodoropoulos, C., **Karaouzas, I.** 2021. Climate change and the future of Mediterranean freshwater macroinvertebrates: a model-based assessment. *Hydrobiologia*, 848, 5033–5050. <https://doi.org/10.1007/s10750-021-04691-x>
14. Theodoropoulos C, **Karaouzas I.**, Stamou A. 2021. Environmental Flows as a Proactive Tool to Mitigate the Impacts of Climate Warming on Freshwater Macroinvertebrates. *Water*, 13(18), 2586. <https://doi.org/10.3390/w13182586>
15. Stubbington R., Sarremejane R., Laini A., Cid N., Csabai Z., England J., Munné A., Aspin T., Bonada N, Bruno D., Cauvy-Fraunie S., Chadd R., Fortuño Estrada P., Graf W., Cayetano Gutiérrez Cánovas, House A., **Karaouzas I.**, Kazila E., Millán A., et al. 2021. Disentangling responses to natural stress and human impact gradients in river ecosystems across Europe. *Journal of Applied Ecology*, <https://doi.org/10.1111/1365-2664.14072>
16. **Karaouzas I.**, Leris I., Kapakos Y., Kalaitzakis N., Fytilis K., Kouraklis P., Kalogianni E. 2022. In search of the unexpected: A new finding of the noble crayfish *Astacus astacus* L., (Decapoda, Astacidae) redefines its distribution in Greece. *Knowledge & Management of Aquatic Ecosystems*, 423, 1, <https://doi.org/10.1051/kmae/2021039>

#### Scientific publications (Jan – 2022):

84 publications in peer-reviewed journals, Citations: 1543, h index: 21 (source: Google Scholar)

- <https://scholar.google.gr/citations?hl=el&user=llhZzCMAAAAJ>

#### Reviewer – Editor

- Reviewer in 38 International, peer-reviewed Journals (77 reviews until Jan-2022): <https://publons.com/researcher/1243017/ioannis-karaouzas/peer-review/>