

CURRICULUM VITAE



Surname, Name: **Yalçın, Gülce**

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[Google Scholar Profile](#)

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[Institution Profile METU/ IGB](#)

EDUCATION

Degree	Institution	Year of Graduation
PhD	METU Biology	2024 (26.01.2024)
MS	METU Marine Biology and Fisheries	2015
BS	METU Biology	2013

WORK EXPERIENCE

Year Place Enrollment

2024 (December)-present, IGB, Postdoc Researcher

2020-today, EKOSAM-METU, Lecturer

2020-2024, R3DOC Project (TÜBİTAK 1001, no:119Y265), Project Assist.

2018-2020, AQUACOSM Project (EU H2020, no:731065), Project Assist.

2017-2018, Danish Hydraulic Institute (DHI) Denmark and Poland, External Marine Mammal Specialist

2016-2017, Danish Hydraulic Institute (DHI) Turkey, Marine Biologist

2013-2015, Marine Biology and Fisheries Department- METU/IMS, Research Assist.

Five Representative Publications

1. Yıldız, D., **Yalçın, G.**, Calderó-Pascual, M. et al. Allochthonous matter quality regulates functionality of lake zooplankton. *Hydrobiologia* (2025). <https://doi.org/10.1007/s10750-024-05774-1>
2. **Yalçın G.**, Yıldız, D., Calderó-Pascual, M., Yetim, S., Şahin, Y., Parakatselaki, ME., Avcı, F., Karakaya, N., Ladoukakis, EM., Berger, S.A., Ger, K.A., Jeppesen, E., Beklioğlu, M. Quality Matters: Response of Bacteria and Ciliates to Different Allochthonous Dissolved Organic Matter Sources as a Pulsed Disturbance in Shallow Lakes. *Science of Total Environment*, Volume 916 (2024) <https://doi.org/10.1016/j.scitotenv.2024.170140>
3. Yıldız, D. and **Yalçın, G.** et al. (**joint first authors**) Effects of a Microplastic Mixture Differ Across Trophic Levels and Taxa in A Freshwater Food Web: In Situ Mesocosm Experiment, *Science of Total Environment*, Volume 836, (2022)155407, ISSN 0048-9697, <https://doi.org/10.1016/j.scitotenv.2022.155407>
4. Calderó-Pascual, M., Yıldız, D., **Yalçın, G.** et al. The importance of allochthonous organic matter quality when investigating pulse disturbance events in freshwater lakes: a mesocosm experiment. *Hydrobiologia* (2021). <https://doi.org/10.1007/s10750-021-04757-w>
5. Stanković, J., Milošević, D., Savić-Zdraković, D., **Yalçın, G.**, Yıldız, D., Beklioğlu, M., Jovanović, B. Exposure to a microplastic mixture is altering the life traits and is causing deformities in the non-biting midge *Chironomus riparius* Meigen (1804), *Environmental Pollution*, Volume 262 (2020) 114248, ISSN 0269-7491, <https://doi.org/10.1016/j.envpol.2020.114248>.

SCIENTIFIC NETWORKS

-Early Career Researcher - Communication & Publications- in the International Society of Limnology (SIL) Executive Board

-Member of International Society for Salt Lake Research (ISSLR)

-Member of Association for the Sciences of Limnology and Oceanography (ASLO)

Candidate's Statement

I am an early-career researcher who recently started working with saline systems, inspired by the unique challenges that salinity exerts on communities and its increasing prevalence in freshwater ecosystems globally. While my direct engagement with saline lake research began not long ago, my participation in the International Salt Lake Research Conference (ICSLR 24') has fueled my enthusiasm

and commitment to the field. In fact, I am currently shaping my projects towards investigating the responses of phytoplankton and ciliates to salinity as well as warming and hydrological connectivity shifts at IGB (Leibniz Institute of Freshwater Ecology and Inland Fisheries). With a background in microbial and aquatic ecology, I have previously explored ecosystem responses to anthropogenic/ climate disturbances such as warming, DOC influx and microplastics. Additionally, I took part in the salinization mesocosm experiments Turkey (Metu Limnology Lab, Prof. Meryem Beklioğlu) which I had a chance to present at ICSLR 2024. My candidacy, proposed by a trusted mentor during the conference, reflects confidence in my potential to contribute to ISSLR's mission. As an ECR representative, I aim to bridge the gap between early career researchers and established experts. I would be happy to organize online workshops hosting experienced researchers sharing new insights, tools or experience within the field with ECRs. I can be useful in relaying information from our society to ECRs also in scientific/social media platforms. By doing so, we can enhance collaboration and resource-sharing among researchers, and elevate awareness of saline-lakes'/systems' importance in biodiversity and ecosystem services discussions.