

DILVIN YILDIZ

PHD CANDIDATE IN FRESHWATER ECOLOGY | M.Sc.IN ENVIRONMENTAL ENGINEERING

✉ dilvinim@gmail.com

🐦 [@dilviniyildiz](https://twitter.com/dilviniyildiz)

Employment

RESEARCH PROJECT ASSISTANT AUG 2021- PRESENT

MIDDLE EAST TECHNICAL UNIVERSITY, LIMNOLOGY LABORATORY, ANKARA/TURKEY

TUBITAK 1001 Project: Resistance, Resilience and Recovery of Lake Microbial and Plankton Community to Climate-Induced High Loads of Terrestrial Dissolved Organic Carbon (tDOC) : Mesocosm Study (Acronym: R3-DOC) , Project lead by Prof.Dr. Meryem Beklioğlu

Responsibilities:

- Data collection and doing required analyses (chemical, biological, statistical etc.) to test the related hypothesis
- To report the results
- Dissemination activities for outcome of the project

RESEARCH PROJECT ASSISTANT APR 2018- AUG 2021

MIDDLE EAST TECHNICAL UNIVERSITY, LIMNOLOGY LABORATORY, ANKARA/TURKEY

EU H2020-INFRAIA: AQUACOSM (Project No 731065): Network of Leading European AQUATIC MesoCOSM Facilities Connecting Mountains to Oceans from the Arctic to the Mediterranean, Manager: Prof.Dr. Meryem Beklioğlu

Responsibilities:

- Experimental planning, decision making
- Field survey, planning and performing
- Transnational access team organization (planning and organizing their scientific participation)
- Purchasing experimental needs (chemicals, laboratory and field equipment etc.)
- Experimental set-up (mesocosm system set-up)
- Conducting the experiments (sampling, monitoring etc.)
- Scientific meeting organization with collaborators
- Dissemination activities for the outcome of the project

PROJECT CONSULTANT - ENVIRONMENTAL ENGINEER JAN 2018- APR 2018

NARTUS ENERGY AND CONSULTANCY CO., ANKARA/TURKEY

Sector : Environmental and Energy Consulting

Job Description : Responsible for all period of Environmental reports such as; Environmental and Social Impact Assessment (ESIA), Environmental Management Plan (EMP), Due Diligence Report, Accommodation Plan, - for both Turkish Government, and financial corporations like IFC. In detail, the period includes; Preparation of the report.

PROJECT CONSULTANT -ENVIRONMENTAL ENGINEER AUG 2012- AUG 2014

EN-CEV ENERGY AND CONSULTANCY CO., ANKARA/TURKEY

Personal details

Date of birth
October 24th, 1980

Place of birth
Istanbul/Turkey

Driver's license
B class

Nationality
Turkish citizen

Civil status
Married

Profiles
[Google scholar profile](#)
[Research gate profile](#)
[Linkedin Profile](#)

Skills

Statistical analysis and Data visualization using R



AQUASIM modelling for Environmental Sciences



BIOWIN wastewater treatment system design program



Languages

ENGLISH



RUSSIA



Sector : Environmental and Energy Consulting

Job Description : Responsible for all period of Environmental reports such as; Environmental and Social Impact Assessment (ESIA), Environmental Management Plan (EMP), Due Diligence Report, Accommodation Plan, - for both Turkish Government, and financial corporations like IFC. In detail, the period includes; Preparation of the report, - Establish and maintain environmental stakeholder relationship, Carry on ongoing negotiations with clients, contractors, other consultants providing project management expertise and authorized people working for institutions. To receive a price quote from other consultant companies on demanded subjects, review and evaluate them during preparation of the report.

Hobbies

- Yoga sharer
- Free abstract drawing/painting
- Metaphysics
- Psychology

Scientific Publications

PAPERS

1. Dilvin Yildiz, Gülce Yalçın, Maria Calderó Pascual, Melisa Metin, Sinem Yetim, Pinar Kavak, Nur Filiz, Maria Spoljar, Sanja Gottstein, Valerie McCarthy, Jens Nesjtgaard, Erik Jeppesen, Kemal Ali Ger, Meryem Beklioğlu (2022). The quality of allochthonous dissolved organic carbon source determines the fate of freshwater zooplankton: mesocosm approach to pulse disturbance. In preparation.
2. Gülce Yalçın, Dilvin Yildiz, Maria Calderó Pascual, Melisa Metin, Sinem Yetim, Yiğit Şahin, Maria-Eleni Parakatselaki, Nur Filiz, Nusret Karakaya, Emmanuel D. Ladoukakis, Valerie McCarthy, Stella A. Berger, Kemal Ali Ger , Erik Jeppesen, Meryem Beklioğlu (2022). Quality matters: Response of microbial loop to different dissolved organic carbon (DOC) sources as a climate-induced pulsed disturbance. In preparation.
3. Dilvin Yildiz*, Gülce Yalçın*, Boris Jovanović, David S. Boukal, Lucie Vebrová, Derya Riha, Jelena Stanković, Dimitrija Savić-Zdraković, Melisa Metin, Yasmin Naz Akyürek, Deniz Balkanlı, Nur Filiz, Djurdj Milošević, Heidrun Feuchtmayr, Jessica A. Richardson, Meryem Beklioğlu (2022). Effects of a microplastic mixture differ across trophic levels and taxa in a freshwater food web: in situ mesocosm experiment. *Science of the Total Environment*, submitted
4. Calderó-Pascual, M., Yildiz, D., Yalçın, G., Metin, M., Yetim, S., Fiorentin, C., ... McCarthy, V. (2021). The importance of allochthonous organic matter quality when investigating pulse disturbance events in freshwater lakes: a mesocosm experiment. *Hydrobiologia*, 0123456789. <https://doi.org/10.1007/s10750-021-04757-w>
5. Jelena Stanković, Djurdj Milošević, Dimitrija Savić-Zdraković, Gülce Yalçın, Dilvin Yildiz, Meryem Beklioğlu, Boris Jovanović, 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>.

CONFERENCES

1. Dilvin Yildiz, Maria Caldero Pascual, Gülce Yalçın, Melisa Metin, Sinem Yetim, Nur Filiz, Pinar Kavak, Kemal Ali Ger, Valerie McCarthy, Erik Jeppesen, Meryem Beklioğlu. Effects of DOC quality on zooplankton community structure: a mesocosm experiment. 2nd International Aquatic Mesocosm Research (AQUACOSM) Symposium. APRIL, 2021.

2. Sinem Yetim, Melisa Metin, Dilvin Yıldız, Gülce Yalçın, Maria Caldero Pascual, Claudia Fiorentin, Meryem Beklioğlu, Kemal Ali Ger. Effects of dissolved organic carbon and zooplankton grazing pressure on bacteria and ciliates. 2nd International Aquatic Mesocosm Research (AQUACOSM) Symposium. APRIL, 2021.
3. Melisa Metin, Sinem Yetim, Dilvin Yıldız, Gülce Yalçın, Maria Caldero Pascual, Claudia Fiorentin, Meryem Beklioğlu, Kemal Ali Ger. Combined bottom-up effects of DOC and top-down effects of zooplankton with contrasting traits on phytoplankton biomass and composition. 2nd International Aquatic Mesocosm Research (AQUACOSM) Symposium. APRIL, 2021.
4. Gülce Yalçın, Dilvin Yıldız, Melisa Metin, Sinem Yetim, Maria Caldero Pascual, Nusret Karakaya, Kemal Ali Ger, Erik Jeppesen, Meryem Beklioğlu. Response of microbial loop to different quality of dissolved organic carbon (DOC) pulse disturbance. 2nd International Aquatic Mesocosm Research (AQUACOSM) Symposium. APRIL, 2021.
5. Maria Caldero Pascual, Dilvin Yıldız, Gülce Yalçın, Melisa Metin, Sinem Yetim, Mikkel Rene Andersen, Kemal Ali Ger, Meryem Beklioğlu, Valerie McCarthy. Characterisation and impact of different allochthonous organic matter additions in a mesocosm experiment investigating pulse disturbance events in Mediterranean shallow lakes. 2nd International Aquatic Mesocosm Research (AQUACOSM) Symposium. APRIL, 2021.
6. Dilvin Yıldız, Maria Caldero Pascual, Gülce Yalçın, Melisa Metin, Sinem Yetim, Nur Filiz, Pınar Kavak, Kemal Ali Ger, Valerie McCarthy, Erik Jeppesen, Meryem Beklioğlu. Effects of DOC quality on zooplankton community structure: a mesocosm experiment. 10th International Shallow Lakes Conference, Brazil, MARCH, 2021.
7. Melisa Metin, Sinem Yetim, Dilvin Yıldız, Gülce Yalçın, Maria Caldero Pascual, Claudia Fiorentin, Meryem Beklioğlu, Kemal Ali Ger. Combined bottom-up effects of DOC and top-down effects of zooplankton with contrasting traits on phytoplankton biomass and composition. 10th International Shallow Lakes Conference, Brazil, MARCH, 2021.
8. Sinem Yetim, Melisa Metin, Dilvin Yıldız, Gülce Yalçın, Maria Caldero Pascual, Claudia Fiorentin, Meryem Beklioğlu, Kemal Ali Ger. Effects of dissolved organic carbon and zooplankton grazing pressure on bacteria and ciliates. 10th International Shallow Lakes Conference, Brazil, MARCH, 2021.
9. Gülce Yalçın, Dilvin Yıldız, Melisa Metin, Sinem Yetim, Maria Caldero Pascual, Nusret Karakaya, Kemal Ali Ger, Erik Jeppesen, Meryem Beklioğlu. Response of microbial loop to different quality of dissolved organic carbon (DOC) pulse disturbance. 10th International Shallow Lakes Conference, Brazil, MARCH, 2021.
10. Maria Caldero Pascual, Dilvin Yıldız, Gülce Yalçın, Melisa Metin, Sinem Yetim, Mikkel Rene Andersen, Kemal Ali Ger, Meryem Beklioğlu, Valerie McCarthy. Characterisation and impact of different allochthonous organic matter additions in a mesocosm experiment investigating pulse disturbance events in mediterranean shallow lakes. 10th International Shallow Lakes Conference, Brazil, MARCH, 2021.
11. Dilvin Yıldız, Gülce Yalçın, Meryem Beklioğlu. Mesocosm experiment on effects of microplastic on freshwater zooplankton community. Ecology and Evolutionary Biology Symposium 2019. JULY, 2019, Ankara, Türkiye.
12. Dilvin Yıldız, Gülce Yalçın, Boris Jovanovic, Derya Öztürk, Lucie Vebrova, David Boukal, Djurdj Milosevic, Dimitrija Savic, Jelena Stankovic, Jessica Richardson, Heidrun Feuchtmayr, Meryem BEKLIOĞLU. First in-situ mesocosms experiment for investigating impacts of microplastics on the littoral food web. 11th Symposium for European Freshwater Sciences (SEFS), JULY, 2019, Zagreb Hırvatistan.
13. Jelena Stanković, Boris Jovanović, Dimitrija Savić Zdravković, Djurdj Milošević, Meryem Beklioğlu, Dilvin Yıldız, Gülce Yalçın, Influence of mixture of

microplastic particles (MP) on non-biting midges of *Chironomus riparius* in a laboratory setup, 11th Symposium for European Freshwater Sciences, Zagreb, Croatia, 2019 May

14. Gülce Yalçın, Dilvin Yıldız, Boris Jovanovic, Derya Öztürk, Lucie Vebrová, David Boukal, Djuradj Milošević, Dimitrija Savić, Jelena Stanković, Jessica Richardson, Heidrun Feuchtmayr, Melisa Metin, Deniz Balkan, Yasmin Akyürek & Meryem Beklioğlu. In-situ Mesocosms Experiment for Investigating Impacts of Microplastics on Food Web of Shallow Lakes. ASLO 2019 Planet Water – Challenges and Successes, MARCH, 2019, San Juan, Puerto Rico.
15. Gülce Yalçın, Dilvin Yıldız, Boris Jovanovic, Derya Öztürk, Lucie Vebrová, David Boukal, Djuradj Milošević, Dimitrija Savić, Jelena Stanković, Jessica Richardson, Heidrun Feuchtmayr, Melisa Metin, Deniz Balkan, Yasmin Akyürek & Meryem Beklioğlu, In-situ Mesocosms Experiment for Investigating Impacts of Microplastics on Food Web of Shallow Lakes, ASLO, 2019 February
16. Heidrun Feuchtmayr, Jessica Richardson, David Boukal, Meryem Beklioglu, Gülce Saydam, Dilvin Yıldız, Boris Jovanovic, Derya Öztürk, Lucka Veb, Ami Weir, Uptake and transfer of microplastics in freshwater organisms: a mesocosm experiment, Plastics in the environment workshop, Wallingford, UK, 2019 February
17. B.Jovanovich, J.Stankovic, D.Milosevic, D.Savic, A.Savic, G.Yalcin, D.Yildiz, D.Öztürk, L.Vebrova, D.Boukal, M.Beklioglu. "Comparative Indoor Outdoor Study Microplastic Effects on Non-Biting Midges (Diptera: Chironomidae) (Poster Presentation at ASLO meeting, 2018, Puerto Rico)

Education

EARTH SYSTEM SCIENCE, PhD.

2019- Present

MIDDLE EAST TECHNICAL UNIVERSITY, ANKARA/TURKEY

Minor: Climate Change, Limnology, Plankton ecology

Thesis Title: Effects of Anthropogenic Global Change on Freshwater Lake Zooplankton Community Structure and Diversity: a Mesocosm Approach

ENVIRONMENTAL ENGINEERING, M.Sc.

2010- 2012

İSTANBUL TECHNICAL UNIVERSITY, İSTANBUL/TURKEY

Minor: Environmental Biotechnology

Thesis Title: Model based evaluation of biogas production potential of full scale wastewater treatment plants which is operated under low SRT

GEOLOGY ENGINEERING, B.Sc.

2000- 2004

İSTANBUL TECHNICAL UNIVERSITY, İSTANBUL/TURKEY

Thesis Title: Determination of Petrographic Structure of Basalts in Thrace Basin

Courses

Meta Analysis Workshop

2021

The workshop organization by AQUACOSM plus : An overview on quantitative synthesis methods including systematic reviews and meta-analyses, and to develop a theme for a joint analysis of experiments run in the consortium.

Video Filming for Science Communication Workshop

2020

The workshop organization by AQUACOSM plus

R Workshop 2018
In the workshop given by Ecology and Evolutionary Society of Turkey: Data analysis and community biology methods in R were covered. 2 days

Certificates

ISO 14001 Environmental Management Systems Certificate 2012
Environmental Specialist Certificate 2012
Ministry of Environment and Urbanization

Work Health and Safety Specialist Certificate 2012
Ministry of Labour and Social Security

Project Cycling Management (PCM) Certificate 2012
AB-ilan

References

Prof.Dr. Meryem BEKLİOĞLU meryem@metu.edu.tr
Middle East Technical University, Biological Sciences Department and EKOSAM
Ankara/Turkey
PhD thesis advisor, AQUACOSM local project leader, TUBITAK project leader

Prof.Dr. K. Ali Ger aligerger@gmail.com
Federal University of Rio Grande do Norte, Natal/ Brazil
PhD thesis co-advisor

Prof. Dr. H.Guclu INSEL inselhay@itu.edu.tr
İstanbul Technical University, Environmental Engineering Department, İstanbul/Turkey
M.Sc. thesis advisor
