

Prof. ERİK JEPPESEN

Personal Information

Email: ejepese@metu.edu.tr

Web: <https://avesis.metu.edu.tr/ejepese>

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Improvement of water quality through coordinated multi-trophic level biomanipulations: Application to a subtropical emergency water supply lake**
Li S., Guo C., Liao C., Ke J., Hansen A. G., Shi X., Zhang T., Jeppesen E., Li W., Liu J.
Science of the Total Environment, vol.955, 2024 (SCI-Expanded)
- II. **Periodically asymmetric responses of deep chlorophyll maximum to light and thermocline in a clear monomictic lake: Insights from monthly and diel scale observations**
Li J., Zhou Q., Dao Y., Song D., Yu Z., Chang J., Jeppesen E.
Science of the Total Environment, vol.955, 2024 (SCI-Expanded)
- III. **Global lake phytoplankton proliferation intensifies climate warming**
Shi W., Qin B., Zhang Q., Paerl H. W., Van Dam B., Jeppesen E., Zeng C.
Nature Communications, vol.15, no.1, 2024 (SCI-Expanded)
- IV. **Submerged macrophytes can counterbalance the negative effects of rising temperature and eutrophication by inhibiting the photosynthetic activity of cyanobacteria and adjusting their morphology and physiology**
Zhao Y., Wang R., Jeppesen E., Zhang E.
Freshwater Biology, vol.69, no.12, pp.1842-1856, 2024 (SCI-Expanded)
- V. **Cascading effects of human activities and ENSO on the water quality of Poyang Lake in China**
Ge Y., Wu Z., Chen Y., Guo P., Wu A., Liu H., Yuan G., Li Y., Fu H., Jeppesen E.
Catena, vol.246, 2024 (SCI-Expanded)
- VI. **Eurasian watermilfoil (*Myriophyllum spicatum*) alters its root topology but conserves its root branching in response to freshwater cultural eutrophication**
Huang X., Lu J., He H., Guan B., Luo J., Yu J., Mao Z., Li K., Jeppesen E.
Aquatic Botany, vol.195, 2024 (SCI-Expanded)
- VII. **Homogenization of fish assemblages in an endemic biodiversity hot spot: Evidence from 70-year data from the Yun-Gui Plateau, China**
Shi L., Xiang T., Dong X., Xu C., Wang H., Jeppesen E., Xie P.
Freshwater Biology, vol.69, no.11, pp.1537-1552, 2024 (SCI-Expanded)
- VIII. **Species on the move: Impacts of climate change on the spatial range of endemic fishes of the eco-sensitive semi-arid area of the Arabian Peninsula**
Masoumi A. H., Esmaili H. R., Khosravi R., Gholamhosseini A., KORKMAZ M., JEPPESEN E.
Science of the Total Environment, vol.947, 2024 (SCI-Expanded)
- IX. **The Critical Role of Hydrological Distance in Shaping Nutrient Dynamics Along the Watershed-Lake Continuum**
Huang J., Arhonditsis G. B., Zhang Y., Zhang S., Ji Y., Paerl H. W., Jeppesen E., Gao J.
Earth's Future, vol.12, no.10, 2024 (SCI-Expanded)
- X. **Causal feedback loops modify lake chlorophyll *a*-nutrient relationships over two decades of nutrient reductions and climate warming**
Fu H., ÖZKAN K., Johansson L. S., Søndergaard M., Lauridsen T. L., Yuan G., JEPPESEN E.

LIMNOLOGY AND OCEANOGRAPHY, vol.69, no.10, pp.2294-2306, 2024 (SCI-Expanded)

- XI. **Predicting daily net ecosystem production in shallow lakes from dissolved oxygen saturation levels: a pan-European mesocosm experiment and modelling approach**
Cao Y., Scharfenberger U., Shatwell T., Adrian R., Agasild H., Angeler D. G., BEKLİOĞLU M., Çakıroğlu A. I., Hejzlar J., Papastergiadou E., et al.
Hydrobiologia, 2024 (SCI-Expanded)
- XII. **Nutrient enrichment—but not warming—increases nitrous oxide emissions from shallow lake mesocosms**
Audet J., Levi E. E., Jeppesen E., Davidson T. A.
Limnology and Oceanography, 2024 (SCI-Expanded)
- XIII. **Preface: Secrets of shallow lakes—insights from research**
Zingel P., Boveri M., Agasild H., Jeppesen E.
Hydrobiologia, 2024 (SCI-Expanded)
- XIV. **Insight into diversity change, variability and co-occurrence patterns of phytoplankton assemblage in headwater streams: a study of the Xijiang River basin, South China**
Peng Y., Wu C., Ma G., Chen H., Wu Q. L., He D., Jeppesen E., Ren L.
Frontiers in Microbiology, vol.15, 2024 (SCI-Expanded)
- XV. **Effects of filter-feeding bivalves in benthic and pelagic habitats on plankton community and water quality in shallow systems: implications for lake rehabilitation**
Jin Z., Jin H., Gao B., Tong C., Jeppesen E., Rudstam L. G., Dumont H. J., de los Ángeles González Sagrario M., Razlutskiy V., Liu Z., et al.
Aquatic Ecology, 2024 (SCI-Expanded)
- XVI. **The golden apple snail *Pomacea canaliculata* shifts primary production from benthic to pelagic habitats in simulated shallow lake systems**
Wang L., Ren L., Gao B., Jeppesen E., Rudstam L. G., Karpowicz M., Feniova I., Liu Z., Tang Y., Zhang X.
Knowledge and Management of Aquatic Ecosystems, no.425, 2024 (SCI-Expanded)
- XVII. **How do additions of submerged macrophytes, large-bodied cladocerans and nutrients impact tropical plankton communities? A mesocosm experiment**
ALVES AMORIM C., JEPPESEN E., Moura A. N.
Hydrobiologia, 2024 (SCI-Expanded)
- XVIII. **No cascading negative effects of piscivorous fish stocking on phytoplankton biomass in subtropical shallow mesocosms: implications for lake restoration by biomanipulation**
Qian T., Diao F., Jeppesen E., Han Y., Li K., He H.
Hydrobiologia, 2024 (SCI-Expanded)

Articles Published in Other Journals

- I. **Harnessing science, technology, and innovation to drive synergy between climate goals and the SDGs**
Huang L., Swain R. B., Jeppesen E., Cheng H., Zhai P., Gu B., Barceló D., Lu J., Wei K., Luo L., et al.
Innovation, vol.5, no.6, 2024 (ESCI)

Metrics

Publication: 20