

## Prof. MERYEM BEKLİOĞLU

### Personal Information

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### Education Information

Doctorate, University Of Liverpool, Department Of Evolutionary Ecology, United Kingdom 1991 - 1995

Post Graduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, Turkey 1989 - 1991

Under Graduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, Turkey 1984 - 1988

### Dissertations

Doctorate, whole lake and mesocosms studies on the role of nutrients and zooplankton grazing in a system of shallow and deep lakes, University Of Liverpool, Department Of Evolutionary Ecology, 1995

Post Graduate, Morphometric variation within and among species of glossina (Diptera, glossinidae), Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 1991

### Research Areas

Life Sciences, Environmental Biology, Hydrobiology, Limnology, Fresh-Water Biology, Natural Sciences

### Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 2014 - Continues

### Advising Theses

BEKLİOĞLU M., Impacts of extreme meteorological events on metabolism of Lake Eymir using high frequency automated lake observation station, Post Graduate, D.TOLUNAY(Student), 2018

BEKLİOĞLU M., Tracking the recent historical changes in Turkish shallow lakes based on a palaeolimnological approach using diatoms, Doctorate, G.BEZİRCİ(Student), 2017

BEKLİOĞLU M., The impacts of climate change and land use on the ecosystem structure and services of Lake Beyşehir, Doctorate, T.BUCAK(Student), 2017

BEKLİOĞLU M., ÖZKAN K., Elucidating the patterns in mid-winter waterbird surveys by using climate, lake water level changes and macrophyte records, Post Graduate, İ.KAAN(Student), 2017

BEKLİOĞLU M., ALPAS H., Dietary pattern-induced greenhouse gas emission and water footprint estimations in Turkey, Post Graduate, D.BAŞOĞLU(Student), 2017

BEKLİOĞLU M., Impacts of eutrophication and climate change on phytoplankton community structure, size diversity, and

phytoplankton based ecological status, Doctorate, Ş.ERDOĞAN(Student), 2016

BEKLİOĞLU M., The role of hydraulic loading and nutrients in the ecology of mediterranean shallow lakes, Doctorate, J.EMMA(Student), 2016

BEKLİOĞLU M., Impacts of eutrophication and water level change in Turkish shallow lakes: A palaeolimnological approach utilizing plant remains and marker pigments, Doctorate, E.ESTER(Student), 2016

BİLGİN C. C. , BEKLİOĞLU M., The influence of land use and the catchment properties on the trophic status of shallow lakes in Turkey, Post Graduate, S.PEREN(Student), 2015

BEKLİOĞLU M., Comparing ecological structure of Turkish shallow lakes between the seasons, and wet & dry years, Post Graduate, A.SERHAN(Student), 2015

BEKLİOĞLU M., Impact of nutrient and water level changes on submerged macrophytes along a latitudinal gradient: A Pan-European mesocosm experiment, Post Graduate, Z.ERSOY(Student), 2015

BEKLİOĞLU M., Modeling impacts of eutrophication and climate change in Lake Eymir using p lake model, Post Graduate, E.KUZYAKA(Student), 2015

BEKLİOĞLU M., Estimation of carbon dioxide flux in shallow lakes in turkey, Post Graduate, J.KALVENAS(Student), 2014

BEKLİOĞLU M., Salinity inference in inland Turkish shallow lakes based on paleoecology using sub-fossil cladocera, Doctorate, A.İDİL(Student), 2013

BEKLİOĞLU M., Impact of top down and bottom up controls on the microbial loop in Turkish shallow lakes: Space for time substitute, monitoring and mesocosms approaches, Doctorate, A.ÖZEN(Student), 2012

BEKLİOĞLU M., Impacts of nutrients on periphyton growth and periphyton-macroinvertebrates interactions in shallow lakes: A mesocosm experiment, Post Graduate, N.FİLİZ(Student), 2012

BEKLİOĞLU M., Impact of water level fluctuations and fish on macroinvertebrate community and periphyton growth in shallow lakes-A mesocosm approach, Post Graduate, E.SARAOĞLU(Student), 2012

BEKLİOĞLU M., Zooplankton adaptation strategies against fish predation in Turkish shallow lakes, Doctorate, Ü.NİHAN(Student), 2012

BEKLİOĞLU M., Determining the roles of water level and fish predation on submerged plant growth in shallow lakes using mesocosm experiment, Post Graduate, T.BUCAK(Student), 2011

BEKLİOĞLU M., Paleolimnological assessment of past aquatic vegetation dynamics and ecosystem state in Turkish shallow lakes, Post Graduate, E.ESTER(Student), 2009

BEKLİOĞLU M., The effect of ecotoxicants on the aquatic food web and prey-predator relationships, Doctorate, S.BANU(Student), 2009

BEKLİOĞLU M., Influence of large scale atmospheric systems on hydrology and ecology of Turkish lakes, Post Graduate, O.KERİMOĞLU(Student), 2008

BEKLİOĞLU M., Impacts of multistressors on the survival and life history traits of *Daphnia pulex*, Post Graduate, G.BEZİRCİ(Student), 2008

BEKLİOĞLU M., Role of nitrogen in submerged plant development in Mediterranean climatic zone - a mesocosm experiment, Post Graduate, K.ÖZKAN(Student), 2008

AKYÜREK S. Z. , BEKLİOĞLU M., Monitoring of water clarity, and submerged and emergent plant coverages in shallow lake wetlands using remote sensing techniques, Post Graduate, Ö.KARABULUT(Student), 2007

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Impact of nutrients and water level changes on submerged macrophytes along a temperature gradient: A pan-European mesocosm experiment**  
Ersoy Z., Scharfenberger U., Baho D. L. , Bucak T., Feldmann T., Hejzlar J., Levi E. E. , Mahdy A., Noges T., Papastergiadou E., et al.  
GLOBAL CHANGE BIOLOGY, 2020 (Journal Indexed in SCI)
- **Impacts of multiple stressors on freshwater biota across spatial scales and ecosystems**  
Birk S., Chapman D., Carvalho L., Spears B. M. , Andersen H. E. , Argillier C., Auer S., Baattrup-Pedersen A., Banin L., BEKLİOĞLU M., et al.  
NATURE ECOLOGY & EVOLUTION, vol.4, pp.1060-1068, 2020 (Journal Indexed in SCI)

- **Exposure to a microplastic mixture is altering the life traits and is causing deformities in the non-biting midge *Chironomus riparius* Meigen (1804)**  
Stankovic J., Milosevic D., Savic-Zdrakovic D., YALÇIN G., Yildiz D., BEKLİOĞLU M., Jovanovic B.  
ENVIRONMENTAL POLLUTION, vol.262, 2020 (Journal Indexed in SCI)
- **Changes in functional composition and diversity of waterbirds: The roles of water level and submerged macrophytes**  
Özgencil İ. K. , Beklioğlu M., Özkan K., Tavşanoğlu Ç., Fattorini N.  
FRESHWATER BIOLOGY, 2020 (Journal Indexed in SCI)
- **The impact of climate change on a Mediterranean shallow lake: insights based on catchment and lake modelling**  
Coppens J., Trolle D., Jeppesen E., BEKLİOĞLU M.  
REGIONAL ENVIRONMENTAL CHANGE, vol.20, 2020 (Journal Indexed in SCI)
- **Brian Moss: the wizard of shallow lakes INTRODUCTION**  
Maberly S., Jeppesen E., Barker T., BEKLİOĞLU M., Carvalho L., He H., McGowan S., Meerhoff M., Nandini S., Sarma S. S. S. , et al.  
INLAND WATERS, vol.10, pp.153-158, 2020 (Journal Indexed in SCI)
- **Energy-based top-down and bottom-up relationships between fish community energy demand or production and phytoplankton across lakes at a continental scale**  
Bartrons M., Mehner T., Argillier C., BEKLİOĞLU M., Blabolil P., Hesthagen T., Sweden K. H. , Jeppesen E., Krause T., Podgornik S., et al.  
LIMNOLOGY AND OCEANOGRAPHY, vol.65, pp.892-902, 2020 (Journal Indexed in SCI)
- **Influences of climate and nutrient enrichment on the multiple trophic levels of Turkish shallow lakes**  
Beklioğlu M., Bucak T., Levi E. E. , Erdogan S., Ozen A., Filiz N., Bezirci G., Cakiroglu A. I. , Tavsanoglu U. N. , Gökçe D., et al.  
INLAND WATERS, vol.10, pp.173-185, 2020 (Journal Indexed in SCI)
- **The future depends on what we do today - Projecting Europe's surface water quality into three different future scenarios**  
Mack L., Andersen H. E. , BEKLİOĞLU M., Bucak T., Couture R., Cremona F., Teresa Ferreira M., Hutchins M. G. , Mischke U., Molina-Navarro E., et al.  
SCIENCE OF THE TOTAL ENVIRONMENT, vol.668, pp.470-484, 2019 (Journal Indexed in SCI)
- **Effects of trophic status, water level, and temperature on shallow lake metabolism and metabolic balance: A standardized pan-European mesocosm experiment**  
Scharfenberger U., Jeppesen E., BEKLİOĞLU M., Sondergaard M., Angeler D. G. , Cakiroglu A. I. , Drakare S., Hejzlar J., Mandy A., Papastergiadou E., et al.  
LIMNOLOGY AND OCEANOGRAPHY, vol.64, pp.616-631, 2019 (Journal Indexed in SCI)
- **Snapshot Surveys for Lake Monitoring, More Than a Shot in the Dark**  
Mantzouki E., BEKLİOĞLU M., Brookes J. D. , Domis L. N. d. S. , Dugan H. A. , Doubek J. P. , Grossart H., Nejstgaard J. C. , Pollard A. I. , Ptacnik R., et al.  
FRONTIERS IN ECOLOGY AND EVOLUTION, vol.6, 2018 (Journal Indexed in SCI)
- **Data Descriptor: A European Multi Lake Survey dataset of environmental variables, phytoplankton pigments and cyanotoxins**  
MANTZOUKÍ E., CAMPBELL J., van Loon E., VISSER P., KONSTANTÍNOU I., ANTONÍOEU M., GIULIANI G., MACHADO-VIEIRA D., de Oliveira A. G. , Maronic D. S. , et al.  
SCIENTIFIC DATA, vol.5, 2018 (Journal Indexed in SCI)
- **Size diversity and species diversity relationships in fish assemblages of Western Palearctic lakes**  
Brucet S., Arranz I., Mehner T., Argillier C., BEKLİOĞLU M., Benejam L., Boll T., Holmgren K., Lauridsen T. L. , Svenning J., et al.  
ECOGRAPHY, vol.41, pp.1064-1076, 2018 (Journal Indexed in SCI)
- **Effects of warming and nutrients on the microbial food web in shallow lake mesocosms**  
Zingel P., Cremona F., Noges T., Cao Y., Neif E. M. , Coppens J., Iskin U., Lauridsen T. L. , Davidson T. A. , Sondergaard M., et al.

- EUROPEAN JOURNAL OF PROTISTOLOGY, vol.64, pp.1-12, 2018 (Journal Indexed in SCI)  
**Modeling the effects of climatic and land use changes on phytoplankton and water quality of the largest Turkish freshwater lake: Lake Beyşehir**  
 Bucak T., Trolle D., Tavsanoğlu U. N. , Cakiroğlu A. I. , Ozen A., Jeppesen E., BEKLİOĞLU M.  
 SCIENCE OF THE TOTAL ENVIRONMENT, vol.621, pp.802-816, 2018 (Journal Indexed in SCI)
- **Temperature Effects Explain Continental Scale Distribution of Cyanobacterial Toxins**  
 MANTZOUKÍ E., LURLING M., FASTNER J., DOMÍS L. d. S. , WÍLK-WOZNIÁK E., KOREÍVIENE J., SEELEN L., TEURLINCX S., Verstijnen Y., KRZTON W., et al.  
 TOXINS, vol.10, 2018 (Journal Indexed in SCI)
- **Non-native Fish Occurrence and Biomass in 1943 Western Palearctic Lakes and Reservoirs and their Abiotic and Biotic Correlates**  
 Trochine C., Brucet S., Argillier C., Arranz I., BEKLİOĞLU M., Benejam L., Ferreira T., Hesthagen T., Holmgren K., Jeppesen E., et al.  
 ECOSYSTEMS, vol.21, pp.395-409, 2018 (Journal Indexed in SCI)
- **Patterns of microbial food webs in Mediterranean shallow lakes with contrasting nutrient levels and predation pressures**  
 ÖZEN A., Tavsanoğlu U. N. , Cakiroğlu A. I. , Levi E. E. , Jeppesen E., BEKLİOĞLU M.  
 HYDROBIOLOGIA, vol.806, pp.13-27, 2018 (Journal Indexed in SCI)
- **Size-based interactions across trophic levels in food webs of shallow Mediterranean lakes**  
 Brucet S., Tavsanoğlu U. N. , Ozen A., Levi E. E. , Bezirci G., Cakiroğlu A. I. , Jeppesen E., Svenning J., Ersoy Z., BEKLİOĞLU M.  
 FRESHWATER BIOLOGY, vol.62, pp.1819-1830, 2017 (Journal Indexed in SCI)
- **Effects of nutrient and water level changes on the composition and size structure of zooplankton communities in shallow lakes under different climatic conditions: a pan-European mesocosm experiment**  
 Tavsanoğlu U. N. , Sorf M., Stefanidis K., Brucet S., TÜRKAN S., Agasild H., Baho D. L. , Scharfenberger U., Hejzlar J., Papastergiadou E., et al.  
 AQUATIC ECOLOGY, vol.51, pp.257-273, 2017 (Journal Indexed in SCI)
- **Future water availability in the largest freshwater Mediterranean lake is at great risk as evidenced from simulations with the SWAT model**  
 Bucak T., Trolle D., Andersen H. E. , Thodsen H., Erdogan S., Levi E. E. , Filiz N., Jeppesen E., BEKLİOĞLU M.  
 SCIENCE OF THE TOTAL ENVIRONMENT, vol.581, pp.413-425, 2017 (Journal Indexed in SCI)
- **Restoration of Eutrophic Lakes with Fluctuating Water Levels: A 20-Year Monitoring Study of Two Inter-Connected Lakes**  
 BEKLİOĞLU M., BUCAK T., COPPENS J., BEZİRCİ G., ÇAKIROĞLU A. İ. , TAVŞANOĞLU Ü. N. , LEVİ E. E. , ERDOĞAN Ş., FİLİZ N., ÖZKAN K., et al.  
 water, 2017 (Journal Indexed in SCI)
- **Restoration of Eutrophic Lakes with Fluctuating Water Levels: A 20-Year Monitoring Study of Two Inter-Connected Lakes**  
 BEKLİOĞLU M., Bucak T., Coppens J., Bezirci G., Tavsanoğlu U. N. , Cakiroğlu A. I. , Levi E. E. , Erdogan S., Filiz N., ÖZKAN K., et al.  
 WATER, vol.9, 2017 (Journal Indexed in SCI)
- **The influence of nutrient loading, climate and water depth on nitrogen and phosphorus loss in shallow lakes: a pan-European mesocosm experiment**  
 Coppens J., Hejzlar J., Sorf M., Jeppesen E., Erdogan A., Scharfenberger U., Mahdy A., Noges P., Tuvikene A., Baho D. L. , et al.  
 HYDROBIOLOGIA, vol.778, pp.13-32, 2016 (Journal Indexed in SCI)
- **Preface: Shallow lakes in a fast changing world**  
 BEKLİOĞLU M., Meerhoff M., Davidson T. A. , Ger K. A. , Havens K., Moss B.  
 HYDROBIOLOGIA, vol.778, pp.9-11, 2016 (Journal Indexed in SCI)
- **Impact of alternating wet and dry periods on long term seasonal phosphorus and nitrogen budgets**

**of two shallow Mediterranean lakes**

Coppens J., Özen A., Tavşanoğlu N., Erdoğan Ş., Levi E. E., Yozgatlıgil C., Jeppesen E., Beklioğlu M.  
Science Of The Total Environment, vol.563, pp.456-467, 2016 (Journal Indexed in SCI)

**Impact of alternating wet and dry periods on long-term seasonal phosphorus and nitrogen budgets of two shallow Mediterranean lakes**

Coppens J., ÖZEN A., Tavsanoglu U. N., Erdogan S., Levi E. E., Yozgatlıgil C., Jeppesen E., BEKLİOĞLU M.  
SCIENCE OF THE TOTAL ENVIRONMENT, vol.563, pp.456-467, 2016 (Journal Indexed in SCI)

**Inferring past environmental changes in three Turkish lakes from sub-fossil Cladocera**

Cakiroglu A. I., Levi E. E., Tavsanoglu U. N., Bezirci G., Erdogan S., Filiz N., Andersen T. J., Davidson T. A., Jeppesen E., BEKLİOĞLU M.

HYDROBIOLOGIA, vol.778, pp.295-312, 2016 (Journal Indexed in SCI)

**Fish assemblage and diversity in lakes of western and central Turkey: role of geo-climatic and other environmental variables**

Boll T., Levi E. E., Bezirci G., Ozulug M., Tavsanoglu U. N., Cakiroglu A. I., Ozcan S., Brucet S., Jeppesen E., BEKLİOĞLU M.

HYDROBIOLOGIA, vol.771, pp.31-44, 2016 (Journal Indexed in SCI)

**Multi-proxy palaeoecological responses to water-level fluctuations in three shallow Turkish lakes**

Levi E. E., Bezirci G., Cakiroglu A. I., Turner S., Bennion H., Kernan M., Jeppesen E., BEKLİOĞLU M.

PALAEOGEOGRAPHY PALAEOCLIMATOLOGY PALAEOECOLOGY, vol.449, pp.553-566, 2016 (Journal Indexed in SCI)

**Food web effects of titanium dioxide nanoparticles in an outdoor freshwater mesocosm experiment**

Jovanovic B., Bezirci G., Cagan A. S., Coppens J., Levi E. E., Oluz Z., Tuncel E., DURAN H., BEKLİOĞLU M.

NANOTOXICOLOGY, vol.10, pp.902-912, 2016 (Journal Indexed in SCI)

**Size-based diel migration of zooplankton in Mediterranean shallow lakes assessed from in situ experiments with artificial plants**

Tavsanoglu U. N., Brucet S., Levi E. E., Bucak T., Bezirci G., Ozen A., Johansson L. S., Jeppesen E., BEKLİOĞLU M.

HYDROBIOLOGIA, vol.753, pp.47-59, 2015 (Journal Indexed in SCI)

**Effects of water temperature on summer periphyton biomass in shallow lakes: a pan-European mesocosm experiment**

Mahdy A., Hilt S., Filiz N., BEKLİOĞLU M., Hejzlar J., Ozkundakci D., Papastergiadou E., Scharfenberger U., Sorf M., Stefanidis K., et al.

AQUATIC SCIENCES, vol.77, pp.499-510, 2015 (Journal Indexed in SCI)

**Ecological impacts of global warming and water abstraction on lakes and reservoirs due to changes in water level and related changes in salinity**

Jeppesen E., Brucet S., Naselli-Flores L., Papastergiadou E., Stefanidis K., Noges T., Noges P., Attayde J. L., Zohary T., Coppens J., et al.

HYDROBIOLOGIA, vol.750, pp.201-227, 2015 (Journal Indexed in SCI)

**Factors influencing nitrogen processing in lakes: an experimental approach**

Olsen S., Jeppesen, Jeppesen E., Moss B., Ozkan K., Beklioğlu M., Feuchtmayr H., Gonzalez Sagrario M., Wei, Wei L., Larsen S., Lauridsen T. S., et al.

FRESHWATER BIOLOGY, vol.60, pp.646-662, 2015 (Journal Indexed in SCI)

**Macroecological Patterns of Resilience Inferred from a Multinational, Synchronized Experiment**

Baho D. L., Tavsanoglu U. N., Sorf M., Stefanidis K., Drakare S., Scharfenberger U., Agasild H., BEKLİOĞLU M., Hejzlar J., Adrian R., et al.

SUSTAINABILITY, vol.7, pp.1142-1160, 2015 (Journal Indexed in SCI)

**Managing aquatic ecosystems and water resources under multiple stress - An introduction to the MARS project**

Hering D., Carvalho L., Argillier C., BEKLİOĞLU M., Borja A., Cardoso A. C., Duel H., Ferreira T., Globevnik L., Hanganu J., et al.

SCIENCE OF THE TOTAL ENVIRONMENT, vol.503, pp.10-21, 2015 (Journal Indexed in SCI)

**Temperature effects on body size of freshwater crustacean zooplankton from Greenland to the**

## tropics

Havens K. E. , Pinto-Coelho R. M. , BEKLİOĞLU M., Christoffersen K. S. , Jeppesen E., Lauridsen T. L. , Mazumder A., Methot G., Alloul B. P. , Tavsanoğlu U. N. , et al.

HYDROBIOLOGIA, vol.743, pp.27-35, 2015 (Journal Indexed in SCI)

### **Relatedness between contemporary and subfossil cladoceran assemblages in Turkish lakes**

Cakiroglu A. I. , Tavsanoğlu U. N. , Levi E. E. , Davidson T. A. , Bucak T., Ozen A., AKYILDIZ G. K. , Jeppesen E., BEKLİOĞLU M.

JOURNAL OF PALEOLIMNOLOGY, vol.52, pp.367-383, 2014 (Journal Indexed in SCI)

### **Water level and fish-mediated cascading effects on the microbial community in eutrophic warm shallow lakes: a mesocosm experiment**

ÖZEN A., Bucak T., Tavsanoğlu U. N. , Cakiroglu A. I. , Levi E. E. , Coppens J., Jeppesen E., BEKLİOĞLU M.

HYDROBIOLOGIA, vol.740, pp.25-35, 2014 (Journal Indexed in SCI)

### **Similarity between contemporary vegetation and plant remains in the surface sediment in Mediterranean lakes**

Levi E. E. , Cakiroglu A. I. , Bucak T., Odgaard B. V. , Davidson T. A. , Jeppesen E., BEKLİOĞLU M.

FRESHWATER BIOLOGY, vol.59, pp.724-736, 2014 (Journal Indexed in SCI)

### **Climate change impacts on lakes: an integrated ecological perspective based on a multi-faceted approach, with special focus on shallow lakes**

Jeppesen E., Meerhoff M., Davidson T. A. , Trolle D., Sondergaard M., Lauridsen T. L. , BEKLİOĞLU M., Brucet S., Volta P., Gonzalez-Bergonzoni I., et al.

JOURNAL OF LIMNOLOGY, vol.73, pp.88-111, 2014 (Journal Indexed in SCI)

### **Long-term effects of warming and nutrients on microbes and other plankton in mesocosms**

ÖZEN A., Sorf M., Trochine C., Liboriussen L., BEKLİOĞLU M., Sondergaard M., Lauridsen T. L. , Johansson L. S. , Jeppesen E.

FRESHWATER BIOLOGY, vol.58, pp.483-493, 2013 (Journal Indexed in SCI)

### **The influence of water level on macrophyte growth and trophic interactions in eutrophic Mediterranean shallow lakes: a mesocosm experiment with and without fish**

Bucak T., Saraoglu E., Levi E., Tavsanoğlu U. N. , Cakiroglu A. I. , Jeppesen E., BEKLİOĞLU M.

FRESHWATER BIOLOGY, vol.57, pp.1631-1642, 2012 (Journal Indexed in SCI)

### **Sediments, not plants, offer the preferred refuge for Daphnia against fish predation in Mediterranean shallow lakes: an experimental demonstration**

Tavsanoğlu U. N. , Cakiroglu A. I. , Erdogan S., Meerhoff M., Jeppesen E., BEKLİOĞLU M.

FRESHWATER BIOLOGY, vol.57, pp.795-802, 2012 (Journal Indexed in SCI)

### **Impacts of salinity and fish-exuded kairomone on the survival and macromolecular profile of Daphnia pulex**

Bezirci G., AKKAŞ S. B. , Rinke K., YILDIRIM F., Kalaylioglu Z., Severcan F., BEKLİOĞLU M.

ECOTOXICOLOGY, vol.21, pp.601-614, 2012 (Journal Indexed in SCI)

### **Environmental Warming in Shallow Lakes: A Review of Potential Changes in Community Structure as Evidenced from Space-for-Time Substitution Approaches**

Meerhoff M., Teixeira-de Mello F., Kruk C., Alonso C., Gonzalez-Bergonzoni I., Pablo Pacheco J., Lacerot G., Arim M., Beklioglu M., Brucet S., et al.

ADVANCES IN ECOLOGICAL RESEARCH, VOL 46: GLOBAL CHANGE IN MULTISPECIES SYSTEMS, PT 1, vol.46, pp.259-349, 2012 (Journal Indexed in SCI)

### **Toward a protein profile of the zooplankton Daphnia pulex exposed to the pesticide cypermethrin, using ATR-FTIR spectroscopy as a novel method**

AKKAŞ S. B. , Severcan M., BEKLİOĞLU M., Severcan F.

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### **Drought-induced changes in nutrient concentrations and retention in two shallow Mediterranean lakes subjected to different degrees of management**

Ozen A., Karapinar B., Kucuk I., Jeppesen E., BEKLİOĞLU M.

HYDROBIOLOGIA, vol.646, pp.61-72, 2010 (Journal Indexed in SCI)

- **Structure and Function of World Shallow Lakes: Proceedings from the 6th Shallow Lakes Congress, Punta del Este, Uruguay, 23-28 November, 2008 - Preface**  
Meerhoff M., BEKLİOĞLU M., Burks R., Garcia-Rodriguez F., Mazzeo N., Moss B.  
HYDROBIOLOGIA, vol.646, pp.1-3, 2010 (Journal Indexed in SCI)
- **Effects of 4-nonylphenol, fish predation and food availability on survival and life history traits of *Daphnia magna* straus**  
BEKLİOĞLU M., AKKAŞ S. B. , Ozcan H. E. , Bezirci G., Togan I.  
ECOTOXICOLOGY, vol.19, pp.901-910, 2010 (Journal Indexed in SCI)
- **The response of periphyton and submerged macrophytes to nitrogen and phosphorus loading in shallow warm lakes: a mesocosm experiment**  
ÖZKAN K., JEPPESEN E., Johansson L. S. , BEKLİOĞLU M.  
FRESHWATER BIOLOGY, vol.55, pp.463-475, 2010 (Journal Indexed in SCI)
- **Molecular approach to the chemical characterization of fish-exuded kairomone: a Fourier transform infrared spectroscopic study**  
AKKAŞ S. B. , Kepenek A. O. , BEKLİOĞLU M., Severcan F.  
AQUATIC SCIENCES, vol.72, pp.71-83, 2010 (Journal Indexed in SCI)
- **Climate Change Effects on Runoff, Catchment Phosphorus Loading and Lake Ecological State, and Potential Adaptations**  
Jeppesen E., Kronvang B., Meerhoff M., Sondergaard M., Hansen K. M. , Andersen H. E. , Lauridsen T. L. , Liboriussen L., BEKLİOĞLU M., Ozen A., et al.  
JOURNAL OF ENVIRONMENTAL QUALITY, vol.38, pp.1930-1941, 2009 (Journal Indexed in SCI)
- **Identification and mapping of submerged plants in a shallow lake using quickbird satellite data**  
Dogan O. K. , AKYÜREK S. Z. , BEKLİOĞLU M.  
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.90, pp.2138-2143, 2009 (Journal Indexed in SCI)
- **Impact of food concentration on diel vertical migration behaviour of *Daphnia pulex* under fish predation risk**  
Beklioğlu M., Gözen A. G. , Yildirim F., Zorlu P., Önde S.  
HYDROBIOLOGIA, vol.614, pp.321-327, 2008 (Journal Indexed in SCI)
- **Restoration of a shallow Mediterranean Lake by biomanipulation complicated by drought**  
BEKLİOĞLU M., Tan C. O.  
FUNDAMENTAL AND APPLIED LIMNOLOGY, vol.171, pp.105-118, 2008 (Journal Indexed in SCI)
- **Use of blast furnace granulated slag as a substrate in vertical flow reed beds: Field application**  
Korkusuz E. A. , Beklioglu M., Demirer G. N.  
BIORESOURTE TECHNOLOGY, vol.98, pp.2089-2101, 2007 (Journal Indexed in SCI)
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