

# Prof. AYŞE MUHAMMETOĞLU

## Personal Information

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## International Researcher IDs

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Yoksis Researcher ID: 3084

## Education Information

Doctorate, Middle East Technical University, Faculty Of Engineering, Çevre Mühendisliği, Turkey 1994 - 1998

Postgraduate, Imperial College of Science, Technology and Medicine, Engineering, Civil Engineering, United Kingdom 1992 - 1993

Undergraduate, Middle East Technical University, Faculty Of Engineering, Çevre Mühendisliği, Turkey 1987 - 1991

## Dissertations

Doctorate, A Three Dimensional Water Quality-Macrophyte Interaction Model For Shallow Lakes , Middle East Technical University, Mühendislik Fakültesi, Çevre Mühendisliği, 1998

Postgraduate, Identification of Algal Dynamics and Nutrient Cycles in a Model of River Water Quality, Imperial College of Science, Technology and Medicine, Civil Engineering Department, 1993

## Research Areas

Environmental Engineering, Environmental Technology, Environmental Modeling, Water Pollution and Control, Engineering and Technology

## Academic Titles / Tasks

Professor, Akdeniz University, Faculty of Engineering, Çevre Mühendisliği, 2006 - Continues

Associate Professor, Akdeniz University, Faculty of Engineering, Çevre Mühendisliği, 2000 - 2006

Assistant Professor, Akdeniz University, Faculty of Engineering, Çevre Mühendisliği, 2000 - 2000

Lecturer, Akdeniz University, Teknik Bilimler M.Y.O., Çevre Kirlenmesi Ve Kontrolü, 1996 - 2000

Research Assistant, Middle East Technical University, Faculty Of Engineering, Çevre Mühendisliği, 1994 - 1996

Research Assistant, Middle East Technical University, Faculty Of Engineering, Çevre Mühendisliği, 1991 - 1992

## Courses

Bütünleşik Havza Yönetimi, Doctorate, 2013 - 2014  
Arıtma Çamurlarının Kontrolü , Undergraduate, 2013 - 2014  
Introduction to Environmental Engineering, Undergraduate, 2013 - 2014  
Su Kalitesi Yönetimi, Postgraduate, 2013 - 2014  
Çevresel Modelleme, Undergraduate, 2013 - 2014

## Advising Theses

MUHAMMETOĞLU A., Derin deniz deşarjı ile deşarj edilen atıksuların alıcı ortamda tutsaklanması durumunda bakteri konsantrasyonunun tahmini ve belirsizliklerin incelenmesi, Doctorate, Ö.Bülent(Student), 2011

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Comparative evaluation of spatiotemporal variations of surface water quality using water quality indices and GIS**  
Uslu A., Dugan S. T., El Hmaidı A., MUHAMMETOĞLU A.  
Earth Science Informatics, vol.17, no.5, pp.4197-4212, 2024 (SCI-Expanded)
- II. **Comparative assessment of hydrochemical characterization and groundwater quality for irrigation in an autochthonous karst aquifer with the support of GIS: case study of Altınova, Turkey**  
Wani A. M. L., Abunada Z., YENİLMEZ F., MUHAMMETOĞLU A., MUHAMMETOĞLU H.  
Environmental Earth Sciences, vol.83, no.8, 2024 (SCI-Expanded)
- III. **An Integrated Modeling Approach to Assess Best Management Practices (BMPs) for Improving Stream Water Quality Using the MapShed and WASP8 Models**  
MUHAMMETOĞLU A., Orhan P., Akdegirmen O., Dugan S. T., MUHAMMETOĞLU H.  
Water Resources Management, vol.37, no.15, pp.6237-6253, 2023 (SCI-Expanded)
- IV. **A combined approach for the estimation of groundwater leaching potential and environmental impacts of pesticides for agricultural lands**  
Dugan S. T., MUHAMMETOĞLU A., Uslu A.  
Science of the Total Environment, vol.901, 2023 (SCI-Expanded)
- V. **Assessment of energy performance and ghg emissions for the urban water cycle toward sustainability**  
MUHAMMETOĞLU A., Al-Omari A., Al-Houri Z., Topkaya B., Tumbul T., MUHAMMETOĞLU H.  
Journal of Water and Climate Change, vol.14, no.1, pp.223-238, 2023 (SCI-Expanded)
- VI. **Energy and Carbon Footprints for the Urban Water Cycle in Amman, Jordan**  
Al-Omari A., Al-Houri Z., MUHAMMETOĞLU H., MUHAMMETOĞLU A., Topkaya B.  
International Journal of Environmental Research, vol.16, no.5, 2022 (SCI-Expanded)
- VII. **Assessment of pressures and impacts on water quality of a small Mediterranean stream using an integrated approach**  
MUHAMMETOĞLU A., Akdegirmen O., Dugan S. T., Orhan P., Kocer M. A. T., MUHAMMETOĞLU H.  
Desalination and Water Treatment, vol.260, pp.241-252, 2022 (SCI-Expanded)
- VIII. **Impacts of the protective measures taken for the COVID-19 pandemic on water consumption and post meter leakages in public places**  
MUHAMMETOĞLU A., MUHAMMETOĞLU H.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.194, no.4, 2022 (SCI-Expanded)
- IX. **Evaluation of different management scenarios for trout farm effluents using dynamic water quality modeling**  
MUHAMMETOĞLU A., Kocer M. A. T., Durmaz S.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.194, no.4, 2022 (SCI-Expanded)
- X. **Detection and Assessment of Post Meter Leakages in Public Places Using Smart Water Metering**

MUHAMMETOĞLU A., ALBAYRAK Y., Bolbol M., Enderoglu S., MUHAMMETOĞLU H.

WATER RESOURCES MANAGEMENT, vol.34, no.9, pp.2989-3002, 2020 (SCI-Expanded)

- XI. **Assessment of groundwater contamination risk with scenario analysis of hazard quantification for a karst aquifer in Antalya, Turkey**  
Cil A., Muhammetoglu A., Ozyurt N. N., YENİLMEZ F., Keyikoglu R., Amil A., Muhammetoglu H.  
Environmental Earth Sciences, vol.79, no.9, 2020 (SCI-Expanded)
- XII. **Significance of validation for karst aquifers' vulnerability assessments: Antalya Travertine Plateau (Turkey) application**  
Amil A., AVCI P., Cil A., MUHAMMETOĞLU A., ÖZYURT N. N.  
JOURNAL OF CONTAMINANT HYDROLOGY, vol.228, 2020 (SCI-Expanded)
- XIII. **Excess Pressure in Municipal Water Supply Systems as a Renewable Energy Source: Antalya Case Study**  
MUHAMMETOĞLU A., MUHAMMETOĞLU H.  
RECYCLING AND REUSE APPROACHES FOR BETTER SUSTAINABILITY, pp.113-126, 2019 (SCI-Expanded)
- XIV. **Evaluation of performance and environmental benefits of a full-scale pump as turbine system in Antalya water distribution network**  
MUHAMMETOĞLU A., Nursen C., KARADİREK İ. E., MUHAMMETOĞLU H.  
WATER SCIENCE AND TECHNOLOGY-WATER SUPPLY, vol.18, no.1, pp.130-141, 2018 (SCI-Expanded)
- XV. **Full-Scale PAT Application for Energy Production and Pressure Reduction in a Water Distribution Network**  
MUHAMMETOĞLU A., KARADİREK İ. E., Ozen O., MUHAMMETOĞLU H.  
JOURNAL OF WATER RESOURCES PLANNING AND MANAGEMENT, vol.143, no.8, 2017 (SCI-Expanded)
- XVI. **Implementation of hydraulic modelling for site selection of pump as turbines for pressure reduction and power production in water distribution networks**  
Ozen O., Gulaydin O., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.  
DESALINATION AND WATER TREATMENT, vol.86, pp.311-319, 2017 (SCI-Expanded)
- XVII. **Real time monitoring and control in water distribution systems for improving operational efficiency**  
Kara S., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.  
DESALINATION AND WATER TREATMENT, vol.57, no.25, pp.11506-11519, 2016 (SCI-Expanded)
- XVIII. **A review on formation and decay kinetics of trihalomethanes in water of different qualities**  
Al-Omari A., MUHAMMETOĞLU A., Karadirek E., Jiries A., Batarseh M., Topkaya B., Soyupak S.  
Clean - Soil, Air, Water, vol.42, no.12, pp.1687-1700, 2014 (SCI-Expanded)
- XIX. **Implementation of Hydraulic Modelling for Water-Loss Reduction Through Pressure Management**  
KARADİREK İ. E., Kara S., YILMAZ G., MUHAMMETOĞLU A., MUHAMMETOĞLU H.  
WATER RESOURCES MANAGEMENT, vol.26, no.9, pp.2555-2568, 2012 (SCI-Expanded)
- XX. **Prediction of wastewater dilution and indicator bacteria concentrations for marine outfall systems**  
MUHAMMETOĞLU A., Yalcin O. B., Ozcan T.  
MARINE ENVIRONMENTAL RESEARCH, vol.78, pp.53-63, 2012 (SCI-Expanded)
- XXI. **Modelling inactivation rates of indicator microorganisms based on laboratory determinations of T-90 for different temperature and salinity levels**  
YALÇIN O. B., MUHAMMETOĞLU A.  
DESALINATION AND WATER TREATMENT, vol.26, no.1-3, pp.45-52, 2011 (SCI-Expanded)
- XXII. **UNCERTAINTIES OF BACTERIAL INACTIVATION IN MARINE ENVIRONMENT**  
YALÇIN O. B., MUHAMMETOĞLU A.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.20, no.12, pp.3085-3094, 2011 (SCI-Expanded)
- XXIII. **Evaluation of the Environmental Impact of Pesticides by Application of Three Risk Indicators**  
MUHAMMETOĞLU A., Durmaz S., Uslu B.  
ENVIRONMENTAL FORENSICS, vol.11, no.1-2, pp.179-186, 2010 (SCI-Expanded)
- XXIV. **Occurrence of Trihalomethanes in Chlorinated Groundwaters with Very Low Natural Organic Matter and Bromide Concentrations**  
KİTİŞ M., Yigita N. O., Harmana B. I., MUHAMMETOĞLU H., MUHAMMETOĞLU A., KARADİREK İ. E., Demirel İ., Ozdenc

- T., Palancic I.  
ENVIRONMENTAL FORENSICS, vol.11, no.3, pp.264-274, 2010 (SCI-Expanded)
- XXV. **Application of environmental impact quotient model to Kumluca region, Turkey to determine environmental impacts of pesticides**  
Muhammetoglu A., Uslu B.  
WATER SCIENCE AND TECHNOLOGY, vol.56, no.1, pp.139-145, 2007 (SCI-Expanded)
- XXVI. **A fuzzy logic approach to assess groundwater pollution levels below agricultural fields**  
Muhammetoglu A., Yardimci A.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.118, no.1-3, pp.337-354, 2006 (SCI-Expanded)
- XXVII. **Impact assessment of different management scenarios on water quality of Porsuk River and dam system - Turkey**  
Muhammetoglu A., Muhammetoglu H., Oktaş S., Özgökçen L., Soyupak S.  
WATER RESOURCES MANAGEMENT, vol.19, no.2, pp.199-210, 2005 (SCI-Expanded)
- XXVIII. **Assessment of nitrogen excess in an agricultural area using a nitrogen balance approach**  
Muhammetoglu H., Muhammetoglu A., Soyupak S.  
WATER SCIENCE AND TECHNOLOGY, vol.51, no.3-4, pp.259-266, 2005 (SCI-Expanded)
- XXIX. **Modeling chlorine decay in drinking water distribution network: Case study of Antalya, Turkey**  
Tiryakioğlu O., Muhammetoglu A., Muhammetoglu H., Soyupak S.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.14, no.10, pp.907-912, 2005 (SCI-Expanded)
- XXX. **Variations of bacterial inactivation of the discharged wastewater around Antalya Sea outfall**  
YALÇIN Ö. B., Muhammetoglu A.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.13, no.11B, pp.1225-1231, 2004 (SCI-Expanded)
- XXXI. **Monitoring and assessment of seawater quality around Antalya Sea outfall**  
Muhammetoglu A., Muhammetoglu H., Topkaya B.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.12, no.7, pp.718-723, 2003 (SCI-Expanded)
- XXXII. **Evaluation of efficiencies of diffuse allochthonous and autochthonous nutrient input control in restoration of a highly eutrophic lake**  
Muhammetoglu A., Muhammetoglu H., Soyupak S.  
WATER SCIENCE AND TECHNOLOGY, vol.45, no.9, pp.195-203, 2002 (SCI-Expanded)
- XXXIII. **Vulnerability of groundwater to pollution from agricultural diffuse sources: a case study**  
Muhammetoglu H., Muhammetoglu A., Soyupak S.  
WATER SCIENCE AND TECHNOLOGY, vol.45, no.9, pp.1-7, 2002 (SCI-Expanded)
- XXXIV. **A three-dimensional water quality-macrophyte interaction model for shallow lakes**  
Muhammetoglu A., Soyupak S.  
ECOLOGICAL MODELLING, vol.133, no.3, pp.161-180, 2000 (SCI-Expanded)
- XXXV. **Use of modelling for development of management strategies in control of eutrophication for lake system of Mogan and Eymir**  
Bayar A., Soyupak S., Altınbilek D., Mukhallalati L., Kutoğlu Y., Gökçay C. F.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.6, no.3-4, pp.115-120, 1997 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Determination of groundwater vulnerability in karstic environments by using SINTACS method: Altınova aquifer case study**  
Amil A., Cil A., AVCI P., MUHAMMETOĞLU A., ÖZYURT N. N.  
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.26, no.3, pp.559-571, 2020 (ESCI)
- II. **Management of Water Losses in Water Supply and Distribution Networks in Turkey**  
MUHAMMETOĞLU A., MUHAMMETOĞLU H., ADIGÜZEL A., İRİTAŞ Ö., KARAASLAN Y.  
Turkish Journal Water Science & Management, vol.2, no.1, pp.58-75, 2018 (Peer-Reviewed Journal)

- III. **Management of Water Losses in Water Supply and Distribution Networks in Turkey**  
MUHAMMETOĞLU A., MUHAMMETOĞLU H., GÜZEL A. G., İRİTAŞ Ö., KARAASLAN Y.  
Turkish Journal of Water Science and Management, vol.2, no.1, pp.58-75, 2018 (Peer-Reviewed Journal)
- IV. **Hydraulic Modeling of a Water Distribution Network in a Tourism Area with Highly Varying Characteristics**  
KARA S., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.  
Procedia Engineering, vol.162, pp.521-529, 2016 (Peer-Reviewed Journal)
- V. **Vulnerability Assessment to Pollution of Groundwater of the Moroccan Atlas Cause Region El Hajeb Ifrane By Several Methods Using GIS**  
AZZİ Y., ESSAHLAOUİ A., EL HMAIDI A., EL OUALİ A., MUHAMMETOĞLU A., MUHAMMETOĞLU H.  
American Journal of Innovative Research and Applied Sciences, vol.3, no.2, pp.453-461, 2016 (Peer-Reviewed Journal)
- VI. **Energy Recovery Potential from Excess Pressure in Water Supply and Distribution Systems**  
KARADİREK İ. E., KARA S., Özen Ö., Gülaydın O., Beştaş E., Boyacılar M., MUHAMMETOĞLU A., GÜNGÖR A., MUHAMMETOĞLU H.  
Mugla Journal of Science and Technology, vol.2, pp.70-76, 2016 (Peer-Reviewed Journal)
- VII. **Antalya Konyaalti Bölgesi İçme Suyu Kalitesinin İzlenmesi ve Yönetimi**  
KARADİREK İ. E., KARA S., Yılmaz G., Altındal T., MUHAMMETOĞLU H., MUHAMMETOĞLU A., Kitiş M., Soyupak S., Yiğit N. Ö., Harman B. İ., et al.  
Çevre Bilim & Teknoloji Dergisi, vol.4, no.1, pp.35-40, 2012 (Peer-Reviewed Journal)
- VIII. **A fuzzy logic application to environment management system: A case study for goksu streams water quality assesment**  
YARDIMCI A., MUHAMMETOĞLU A., OĞUZ H.  
Advances in Soft Computing, vol.33, pp.327-338, 2006 (Scopus)

## **Books & Book Chapters**

- I. **Üniversite Kampüsünde Su Tüketimi ve Suyaç Sonrası Sızıntıların Akıllı Su Suyaçları Kullanılarak İncelenmesi**  
ENDEROĞLU S., MUHAMMETOĞLU A., MUHAMMETOĞLU H.  
in: Akıllı Dönüşüme Yolculuk , Editor, Artikel Akademi, İstanbul, pp.547-561, 2021
- II. **Excess Pressure in Municipal Water Supply Systems as a Renewable Energy Source: Antalya Case Study**  
MUHAMMETOĞLU A., MUHAMMETOĞLU H.  
in: Recycling and Reuse Approaches for Better Sustainability, Balkaya Nilgün and Güneysu Sinan, Editor, Springer-Verlag , İstanbul, pp.113-126, 2019
- III. **İçme Suyu Temin ve Dağıtım Sistemlerindeki Su Kayıplarının Kontrolü - El Kitabı**  
MUHAMMETOĞLU H., MUHAMMETOĞLU A.  
Orman ve Su İşleri Bakanlığı – Su Yönetimi Genel Müdürlüğü, Ankara, 2017
- IV. **COZIP: An Intensive Programme in European Integrated Coastal Zone Management**  
Fletcher S., Pike K., Gallagher A., Johnson D., Williams A., MUHAMMETOĞLU H., ORTAÇEŞME V., SAYAN M. S., MUHAMMETOĞLU A., DEMİRCAN N., et al.  
in: Integrated Coastal Zone Management- Theory and Practice, Tubielewicz A., Editor, Gdansk University Of Technology, Gdansk, pp.60-66, 2006

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Evaluation of water quality at Lower Aksu Stream Catchment using a water quality index**  
USLU A., TÜZÜN DUĞAN S., YEŞİLTAŞ M., KOÇER M. A. T., MUHAMMETOĞLU A., MUHAMMETOĞLU H.

- 8th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2021) and SECOTOX Conference, Selanik, Greece, 20 - 24 July 2021, vol.1, pp.12-20
- II. **Investigation of pressures and impacts on water pollution of a stream in Antalya River Basin**  
ORHAN P., TÜZÜN DUĞAN S., KOÇER M. A. T., MUHAMMETOĞLU A., MUHAMMETOĞLU H.  
8th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2021) and SECOTOX Conference, Selanik, Greece, 20 - 24 July 2021, vol.1, pp.100-109
- III. **ANTALYA TRAVERTEN PLATOSU AKİFERİNDE YERALTISUYU KÖKENİNİN SU İZOTOPLARI İLE ARAŞTIRILMASI**  
ÖZYURT N. N., KAYA Ö. A., AVCI P., MUHAMMETOĞLU A.  
5. ULUSAL HİDROLOJİDE İZOTOP TEKNİKLERİ SEMPOZYUMU, İstanbul, Turkey, 16 - 18 October 2019
- IV. **Post Meter Water Leakage Detection Using Smart Metering**  
MUHAMMETOĞLU A., ALBAYRAK Y., MUHAMMETOĞLU H.  
Southeast Europe Regional Conference - Water Loss 2019, 23 - 24 September 2019
- V. **Hydrochemical Characterization and Investigation of Groundwater Quality in Autochthonous Karstic Array of Antalya using GIS: A Case study of Altınova-Turkey**  
WANİ A., MUHAMMETOĞLU A., MUHAMMETOĞLU H., ABU NADA Z.  
1st International Conference on Environment, Technology and Management, 27 - 29 June 2019
- VI. **Management of Non-Revenue Water (NRW) in Municipal Water Distribution Networks: Antalya-Turkey Case Study**  
ENDEROĞLU S., MUHAMMETOĞLU A., MUHAMMETOĞLU H.  
3rd International Students Science Congress, 3 - 04 May 2019
- VII. **Geospatial Distribution Analysis and Investigation of Hydrochemical Groundwater Quality for Irrigation Purposes using GIS and Suitability Indices: Case study of Altınova-Turkey**  
WANİ A., MUHAMMETOĞLU A., MUHAMMETOĞLU H.  
3rd International Students Science Congress, 3 - 04 May 2019
- VIII. **Smart Water Management for Smart Cities**  
BOLBOL M., MUHAMMETOĞLU H., MUHAMMETOĞLU A.  
3rd International Students Science Congress, 3 - 04 May 2019
- IX. **Application of pressure management for leakage reduction in water distribution networks: Case Study from Antalya-Turkey**  
MUHAMMETOĞLU A., MUHAMMETOĞLU H.  
8th International Conference on Water Resources and Arid Environments ICWRAE8, 22 - 24 January 2019
- X. **Antalya İçme Suyu Dağıtım Şebekesinde Kurulan Pompa Türbin Sistemi için İşletim Verilerinin İncelenmesi**  
MUHAMMETOĞLU A., ŞEKER B., MUHAMMETOĞLU H.  
International Symposium on Urban Water and Wastewater Management, 25 - 27 October 2018
- XI. **Evaluation of Energy Recovery Potential of a Small Water Distribution Network using a Pump as Turbine System: Antalya-Kaleici Case Study**  
ŞEKER B., MUHAMMETOĞLU A., MUHAMMETOĞLU H.  
4th International Conference on Recycling and Reuse, 24 - 26 October 2018
- XII. **Evaluation of Impacts of Intensive Agricultural Activities on Groundwater Quality in a Karstic Area: Antalya-Turkey**  
Çil A., Keyikoglu R., YENİLMEZ F., MUHAMMETOĞLU A., ÖZYURT N. N., MUHAMMETOĞLU H.  
9th International Symposium on Eastern Mediterranean Geology (ISEMG 2018), 7 - 11 May 2018
- XIII. **Establishment of Groundwater Vulnerability Maps in Karst Aquifers Under Greenhouse Cultivation: Altınova Aquifer (Antalya, Turkey)**  
AMİL A., AVCI P., Çil A., MUHAMMETOĞLU A., ÖZYURT N. N.  
9th International Symposium on Eastern Mediterranean Geology (ISEMG 2018), 7 - 11 May 2018
- XIV. **Management of Groundwater Resources in Karstic Aquifer using Visual MODFLOW Flex, Case Study of Altınova Antalya Turkey**  
MODİ A., MUHAMMETOĞLU A., MUHAMMETOĞLU H.

2. International Students Science Congress, 4 - 05 May 2018

- XV. **İçme Suyu Şebekelerinde Kayıp ve Kaçaklar**  
MUHAMMETOĞLU A., MUHAMMETOĞLU H.  
International Water and Environment Congress, 22 - 24 March 2018, pp.2079-2087
- XVI. **Cost-Benefit Analysis of a Full Scale Pump as Turbine System in Antalya Water Distribution Network**  
MUHAMMETOĞLU A., MUHAMMETOĞLU H.  
4th International Water Congress, Water Management in Smart Cities, İzmir, Turkey, 2 - 04 November 2017, pp.46
- XVII. **Groundwater Vulnerability to Agricultural Pollution for two Karstic Aquifers in Turkey and Morocco**  
ÇİL A., AZZİ Y., AMİL A., YENİLMEZ F., MUHAMMETOĞLU A., ÖZYURT N. N., ESSAHLAOUİ A., EL HMAİDİ A., EL OUALİ A., MUHAMMETOĞLU H.  
Sixth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2017) and SECOTOX Conference, SELANİK, Greece, 25 - 30 June 2017
- XVIII. **Pesticides Risk Assessment for Two Karstic Aquifers in Turkey and Morocco**  
Keyikoglu R., AZZİ Y., MUHAMMETOĞLU A., ESSAHLAOUİ A., EL HMAİDİ A., ABDELHADI E. O., MUHAMMETOĞLU H.  
Sixth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2017) and SECOTOX Conference, SELANİK, Greece, 25 - 30 June 2017
- XIX. **Assessment of Environmental Impacts of Pesticides Using Risk Indicators: Altınova-Turkey and El-Hajeb-Morocco Case Studies**  
Keyikoglu R., AZZİ Y., MUHAMMETOĞLU A., ESSAHLAOUİ A., EL HMAİDİ A., EL OUALİ A., MUHAMMETOĞLU H.  
LuWQ 2017 International Interdisciplinary Conference on Land Use and Water Quality, Netherlands, 29 May - 01 June 2017
- XX. **Assessment of Groundwater Vulnerability in a Karstic Aquifer Using Index-Based Methods: Altınova-Turkey Case Study**  
ÇİL A., AMİL A., YENİLMEZ F., ÖZYURT N. N., MUHAMMETOĞLU A., MUHAMMETOĞLU H.  
LuWQ 2017 International Interdisciplinary Conference on Land Use and Water Quality, Netherlands, 29 May - 01 June 2017
- XXI. **Determination of Water Losses Components in a Tourist Area: Antalya Kaleiçi Case Study**  
OĞUZHAN G., MUHAMMETOĞLU A., MUHAMMETOĞLU H.  
ICOCEE-CAPPADOCIA 2017, Turkey, 8 - 10 May 2017
- XXII. **Application of a Full Scale PAT System to Antalya Water Distribution Network for Pressure Reduction and Energy Production**  
MUHAMMETOĞLU A., KARADİREK İ. E., MUHAMMETOĞLU H.  
WaterIdeas 2016, 19 - 21 October 2016
- XXIII. **Application of a Full Scale PAT System to Antalya Water Distribution Network for Pressure Reduction and Energy Production**  
MUHAMMETOĞLU A., KARADİREK İ. E., MUHAMMETOĞLU H.  
IWA Water IDEAS 2016 (Intelligent Distribution for Efficient and Affordable Supplies), Bologna, Italy, 19 - 21 October 2016, pp.1
- XXIV. **Excess Pressure in Municipal Water Supply Systems as a Renewable Energy Source Antalya Case Study**  
MUHAMMETOĞLU A., KARADİREK İ. E., MUHAMMETOĞLU H.  
3rd International Conference of Recycling and Reuse, 28 - 30 September 2016
- XXV. **Excess Pressure in Municipal Water Supply Systems as a Renewable Energy Source: Antalya Case Study**  
MUHAMMETOĞLU A., KARADİREK İ. E., MUHAMMETOĞLU H.  
3rd International Conference on Recycling and Reuse, İstanbul, Turkey, 28 - 30 September 2016, pp.1-2
- XXVI. **Improving efficiency of a water distribution network by implementing a Pump as Turbine system Antalya Case Study**  
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