

Prof. HABİB MUHAMMETOĞLU

Personal Information

Office Phone: [+90 242 310 6327](tel:+902423106327)

Fax Phone: [+90 242 310 6306](tel:+902423106306)

Email: muhammetoglu@akdeniz.edu.tr

Web: <https://avesis.akdeniz.edu.tr/muhammetoglu>

International Researcher IDs

ORCID: 0000-0002-3725-1052

Yoksis Researcher ID: 3801

Education Information

Doctorate, Middle East Technical University, Faculty Of Engineering, Çevre Mühendisliği, Turkey 1990 - 1994

Postgraduate, Middle East Technical University, Faculty Of Engineering, Çevre Mühendisliği, Turkey 1987 - 1990

Undergraduate, --Seçiniz--, Mühendislik Fakültesi, İnşaat Mühendisliği, Egypt 1982 - 1986

Foreign Languages

English, C1 Advanced

Arabic, C1 Advanced

Research Areas

Environmental Engineering, Environmental Technology, Waste Water Collection and Treatment, Environmental Modeling, Water Pollution and Control, Water Supply and Treatment, Engineering and Technology

Academic Titles / Tasks

Professor, Akdeniz University, Faculty of Engineering, Department of Environmental Engineering, 2003 - Continues

Associate Professor, Akdeniz University, Faculty of Engineering, Department of Environmental Engineering, 1998 - 2003

Assistant Professor, Akdeniz University, Faculty of Engineering, Department of Environmental Engineering, 1997 - 1998

Courses

Su Dağıtım Şebekelerinde Hidrolik ve Su Kalitesi Modellemesi , Doctorate, 2018 - 2019

Atıksuların Uzaklaştırılması, Undergraduate, 2018 - 2019

Su Dağıtım Şebekelerinde Su Kayıplarının Yönetimi, Doctorate, 2018 - 2019

Deniz Deşarjları, Undergraduate, 2018 - 2019

Advancing Ineses

- MUHAMMETOĞLU H., İçme Suyu Dağıtım Şebekelerinde İleri Basınç Yönetimi ile Su Kayıplarının Azaltılmasına Yönelik Modelleme Çalışması: Antalya-Kaleiçi Bölgesi Uygulaması, Postgraduate, M.Bolbol(Student), 2019
- MUHAMMETOĞLU H., Visual MODFLOW programı kullanılarak karstik akiferlerdeki yeraltısuyu kaynaklarının yönetimi: Altınova-Türkiye Örnek Uygulaması, Postgraduate, A.Wani(Student), 2019
- MUHAMMETOĞLU H., Karstik Bölgeler için Yeraltısuyu Azot Kirliliği Yönetimi: Antalya-Altınova Bölgesi Uygulaması, Postgraduate, S.Baş(Student), 2018
- MUHAMMETOĞLU H., Kalite Kısıtlamaları Göz Önüne Alınarak İçme Suyu Şebekelerinde Ara Klorlama İstasyon Sayılarının Belirlenmesi ve Maliyet Açısından Değerlendirilmesi, Doctorate, T.Özden(Student), 2017
- MUHAMMETOĞLU H., İçme Suyu Dağıtım Şebekelerinde Ekonomik Su Kayıpları Seviyesinin Belirlenmesi: Antalya Kaleiçi Örneği, Postgraduate, O.Gülaydın(Student), 2017
- MUHAMMETOĞLU H., Su Dağıtım Şebekelerinde Enerji Kazanımı ve Su Kayıplarının Azaltılması için Su Türbinleri Kullanımı Uygulamalarının Araştırılması: Antalya Kenti Örneği, Postgraduate, B.Şahin(Student), 2015
- MUHAMMETOĞLU H., İçme Suyu Dağıtım Şebekelerinde Serbest Bakiye Klor Konsantrasyonlarının Deterministik ve Veriye Dayalı Modelleme Teknikleri Kullanarak Yönetimi, Doctorate, İ.Ethem(Student), 2014
- MUHAMMETOĞLU H., Antalya-Konyaaltı Su Dağıtım Şebekesinde Toplam Trihalometan Konsantrasyonlarının Deterministik Modelleme Yaklaşımı ile Modellenmesi, Postgraduate, M.Balcı(Student), 2013
- MUHAMMETOĞLU H., Antalya-Konyaaltı Su Dağıtım Şebekesi Alt Bölgelerinde Toplam Su Kayıplarının Bileşenlerinin Değerlendirilmesi, Postgraduate, G.Yılmaz(Student), 2011
- MUHAMMETOĞLU H., Su Dağıtım Şebekelerinde Klor Ana Akım Bozunma Katsayısının Araştırılması: Antalya Şehri Konyaaltı Bölgesi Örneği, Postgraduate, T.Altındal(Student), 2010
- MUHAMMETOĞLU H., Tarımsal Alanlardaki Sızıntı Sularının Yeraltısuyuna Etkisinin Matematiksel Olarak Modellenmesi, Postgraduate, N.Bektaş(Student), 2008
- MUHAMMETOĞLU H., Kanalizasyon Sistemi Bulunmayan Bir Yerleşim Bölgesinde Yeraltısuyu Kirlenmesi: Örnek Çalışma Antalya Liman Mahallesi, Postgraduate, T.Özden(Student), 2004
- MUHAMMETOĞLU H., Antalya İlindeki Yeraltısuyu Kirlenmesi Üzerine Bir Zaman Serisi Çalışması, Postgraduate, S.Ateş(Student), 2002
- MUHAMMETOĞLU H., Antalya'da Yeraltısuyu Kalitesinin Grafik Tabanlı İncelenmesi ve Kirlenme Kontrolünde Bir Matematik Model Uygulaması, Postgraduate, O.Tiryakioğlu(Student), 1999
- MUHAMMETOĞLU H., Antalya'da yeraltısuyu kalitesinin grafik tabanlı incelenmesi ve kirlenme kontrolünde Bir matematik model uygulaması, Postgraduate, O.Tiryakioğlu(Student), 1999

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **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)
- II. **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)
- III. **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)
- IV. **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)
- V. **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)

- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **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)
- XI. **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)
- XII. **Chlorine residual management for water utilities using GIS, SCADA and modeling tools**
Akdeniz T., MUHAMMETOĞLU H.
DESALINATION AND WATER TREATMENT, vol.59, pp.135-143, 2017 (SCI-Expanded)
- XIII. **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)
- XIV. **Chlorine modeling in water distribution networks using ARX and ARMAX model structures**
KARADİREK İ. E., Soyupak S., MUHAMMETOĞLU H.
DESALINATION AND WATER TREATMENT, vol.57, no.25, pp.11592-11598, 2016 (SCI-Expanded)
- XV. **Urban Water Pipe Networks Management Towards Non-Revenue Water Reduction: Two Case Studies from Greece and Turkey**
Kanakoudis V., MUHAMMETOĞLU H.
CLEAN-SOIL AIR WATER, vol.42, no.7, pp.880-892, 2014 (SCI-Expanded)
- XVI. **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)
- XVII. **On the usage of artificial neural networks in chlorine control applications for water distribution networks with high quality water**
Soyupak S., Kilic H., KARADİREK İ. E., MUHAMMETOĞLU H.
JOURNAL OF WATER SUPPLY RESEARCH AND TECHNOLOGY-AQUA, vol.60, no.1, pp.51-60, 2011 (SCI-Expanded)
- XVIII. **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)
- XIX. **Improving public perception of tap water in Antalya city, Turkey**

ÇELİK MADENLİ E., MUHAMMETOĞLU H.

JOURNAL OF WATER SUPPLY RESEARCH AND TECHNOLOGY-AQUA, vol.57, no.2, pp.109-113, 2008 (SCI-Expanded)

XX. **Preface**

Muhammetoglu H.

ENVIRONMENTAL FORENSICS, vol.9, no.2-3, pp.115-116, 2008 (SCI-Expanded)

XXI. **Predicting nitrogen concentration in groundwater beneath unsewered areas: Case study of Liman region in Antalya, Turkey**

Ozden T., MUHAMMETOĞLU H.

ENVIRONMENTAL FORENSICS, vol.9, no.2-3, pp.240-245, 2008 (SCI-Expanded)

XXII. **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)

XXIII. **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)

XXIV. **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)

XXV. **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)

XXVI. **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)

XXVII. **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)

XXVIII. **Evaluation of eutrophication control strategies for the Keban Dam reservoir**

Soyupak S., Mukhallalati L., YEMİŞEN D., Bayar A., YURTERİ C.

ECOLOGICAL MODELLING, vol.97, no.1-2, pp.99-110, 1997 (SCI-Expanded)

XXIX. **Assessment of soil acidification due to a natural gas-fired power plant by using two different approaches**

Soyupak S., YURTERİ C., Mukhallalati L., KILIÇ B., KAYIN S., ÖNDER K.

JOURNAL OF SOIL CONTAMINATION, vol.5, no.3, pp.203-214, 1996 (SCI-Expanded)

XXX. **Planning and Design Strategies for Marine Outfalls on the Turkish Black Sea Coast**

SOYUPAK S., Oğuz M., MUHAMMETOĞLU H., Yurteri C.

JOURNAL WATER POLLUTION CONTROL FEDERATION, vol.4, no.1, pp.31-37, 1994 (SCI-Expanded)

XXXI. **Assessment of Soil Acidification: A Case Study**

SOYUPAK S., MUHAMMETOĞLU H., Kılıç B., Yurteri C.

JOURNAL OF ENVIRONMENTAL SYSTEMS, vol.22, no.1, pp.37-57, 1993 (SCI-Expanded)

XXXII. **A COMPARATIVE-EVALUATION OF DIFFERENT APPROACHES FOR ASSESSING SOIL ACIDIFICATION IMPACTS**

Soyupak S., KILIÇ B., MUKHALLALATI L., YURTERİ C.

ENVIRONMENTAL TECHNOLOGY, vol.14, no.1, pp.59-70, 1993 (SCI-Expanded)

Articles Published in Other Journals

- I. **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)
- 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. **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)
- IV. **Vulnerability Assessment to Pollution of Groundwater of the Moroccan Atlas Causse 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)
- V. **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)
- VI. **Antalya Konyaaltı 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)
- VII. **Marine Outfall for Mersin**
Oğuz M., MUHAMMETOĞLU H., SOYUPAK S.
International Journal of Environmental Studies, vol.46, pp.279-287, 1994 (Scopus)

Books & Book Chapters

- I. **Üniversite Kampüsünde Su Tüketimi ve Sayaç Sonrası Sızıntıların Akıllı Su Sayaçları Kullanılarak İncelenmesi**
ENDEROĞLU S., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
in: Akıllı Dönüşüme Yolculuk , Editor, Artıkel 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. **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
- II. **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.
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- III. **Post Meter Water Leakage Detection Using Smart Metering**
MUHAMMETOĞLU A., ALBAYRAK Y., MUHAMMETOĞLU H.
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- IV. **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
- V. **Smart Water Management for Smart Cities**
BOLBOL M., MUHAMMETOĞLU H., MUHAMMETOĞLU A.
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- VI. **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.
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- VII. **Management of Non-Revenue Water (NRW) in Municipal Water Distribution Networks: Antalya-Turkey Case Study**
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- VIII. **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
- IX. **Antalya İçme Suyu Dağıtım Şebekesinde Kurulan Pompa Türbin Sistemi için İşletim Verilerinin İncelenmesi**
MUHAMMETOĞLU A., ŞEKER B., MUHAMMETOĞLU H.
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- X. **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
- XI. **Evaluation of Impacts of Intensive Agricultural Activities on Groundwater Quality in a Karstic Area: Antalya-Turkey**
ÇİL A., KEYİKOĞLU R., YENİLMEZ F., MUHAMMETOĞLU A., ÖZYURT N. N., MUHAMMETOĞLU H.
9th International Symposium on Eastern Mediterranean Geology (ISEMG 2018), 7 - 11 May 2018
- XII. **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
- XIII. **Antalya içme suyu şebekesinin bir bölümünün online izleme (SCADA) ve Coğrafi Bilgi Sistemleri (CBS) araçları kullanılarak hidrolik modellemesi**
AKDENİZ T., MUHAMMETOĞLU H.
Uluslararası Su ve Çevre Kongresi, 22 - 24 March 2018
- XIV. **İçme Suyu Şebekelerinde Kayıp ve Kaçaklar**

MUHAMMETOĞLU A., MUHAMMETOĞLU H.

International Water and Environment Congress, 22 - 24 March 2018, pp.2079-2087

- XV. **Water Resources Management in the Light of Climate Change**
MUHAMMETOĞLU H.
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- 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.
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- 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.
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- 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.
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- 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.
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- 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. **Water Losses Reduction in Drinking Water Distribution Networks Using SCADA, Modeling and Automatic Reading Meters (AMR): Antalya City-Turkey Case Study**
MUHAMMETOĞLU H.
Pan-European Symposium on Water and Sanitation Safety Planning and Extreme Weather Events, 6 - 07 April 2017
- XXIII. **Application of a Full Scale PAT System to Antalya Water Distribution Network for Pressure Reduction and Energy Production**
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WaterIdeas 2016, 19 - 21 October 2016
- XXIV. **Application of a Full Scale PAT System to Antalya Water Distribution Network for Pressure Reduction and Energy Production**
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IWA Water IDEAS 2016 (Intelligent Distribution for Efficient and Affordable Supplies), Bologna, Italy, 19 - 21 October 2016, pp.1
- 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 of Recycling and Reuse, 28 - 30 September 2016
- XXVI. **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

- XXVII. **Improving efficiency of a water distribution network by implementing a Pump as Turbine system Antalya Case Study**
KARADİREK İ. E., Gülaydın O., ÖZEN Ö., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
13th International Conference on Protection and Restoration of the Environment, 03 July 2106 - 08 July 2016
- XXVIII. **Agricultural nitrate pollution of groundwater in Antalya-Turkey**
Çil A., Keyikoglu R., YENİLMEZ F., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
13th International Conference on Protection and Restoration of the Environment, Mykonos, Greece, 3 - 08 July 2016, pp.56-63
- XXIX. **Improving efficiency of a water distribution network by implementing a Pump as Turbine system: Antalya Case Study**
KARADİREK İ. E., Gülaydın O., Özen Ö., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
13th International Conference on Protection and Restoration of the Environment, Mykonos, Greece, 3 - 08 July 2016, pp.1-8
- XXX. **Agricultural nitrate pollution of groundwater in Antalya-Turkey**
Çil A., Keyikoglu R., YENİLMEZ F., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
13th International Conference on Protection and Restoration of the Environment, Mykonos, Greece, 3 - 08 July 2016, pp.56-63
- XXXI. **Agricultural nitrate pollution of groundwater in Antalya-Turkey**
Çil A., Keyikoglu R., YENİLMEZ F., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
13th International Conference on Protection and Restoration of the Environment, Mykonos, Greece, 3 - 08 July 2016, pp.56-63
- XXXII. **Hydraulic Efficiency of Water Distribution Networks: Case Study of Antalya City-Turkey**
KARADİREK İ. E., KARA S., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
International Water Conference 2016 on Water Resource in Arid areas: The Way Forward, Muscat, Oman, 13 - 16 March 2016, pp.27
- XXXIII. **Implementation of Pump as Turbine for Water Loss Reduction and Energy Recovery in Water Distribution Networks**
KARADİREK İ. E., ÖZEN Ö., KARA S., Beştaş E., BOYACILAR M., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
AWWA Sustainable Water Management, Providence, United States Of America, 7 - 10 March 2016
- XXXIV. **Implementation of Pump as Turbine for Water Loss Reduction and Energy Recovery in Water Distribution Networks**
KARADİREK İ. E., ÖZEN Ö., KARA S., Beştaş E., BOYACILAR M., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
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- XXXV. **Implementation of Pump as Turbine for Water Loss Reduction and Energy Recovery in Water Distribution Networks**
KARADİREK İ. E., ÖZEN Ö., KARA S., Beştaş E., BOYACILAR M., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
AWWA Sustainable Water Management, Providence, United States Of America, 7 - 10 March 2016
- XXXVI. **Modeling Urban Water Pressure Variations in a Coastal Tourism Area**
KARA S., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
AWWA Sustainable Water Management, Providence, Ri, United States Of America, 7 - 10 March 2016
- XXXVII. **Implementation of Pump as Turbine for Water Loss Reduction and Energy Recover in Water Distribution Networks**
KARADİREK İ. E., Özen Ö., KARA S., Beştaş E., Boyacılar M., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
AWWA Sustainable Water Management, Providence, Ri, United States Of America, 7 - 10 March 2016
- XXXVIII. **Modeling Urban Water Pressure Variations in a Coastal Tourism Area**
KARA S., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
AWWA Sustainable Water Management, Providence, Ri, United States Of America, 7 - 10 March 2016
- XXXIX. **Hydraulic modeling of a water distribution network in a tourism area with highly varying characteristics**
Kara S., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.

2nd International Conference on Efficient and Sustainable Water Systems Management toward Worth Living Development (EWaS), Patanias, Greece, 1 - 04 June 2016, vol.162, pp.521-529

- XL. **İçme suyu dağıtım sistemlerindeki su kayıplarının kontrolü yönetmeliği uygulaması Antalya örneği**
MUHAMMETOĞLU H.
3. Uluslararası Sürdürülebilir Su Yönetimi Sempozyumu, 8 - 10 October 2015
- XLI. **İçmesuyu Dağıtım Şebekelerinde Enerji Kazanımı ve Su Kayıplarının Azaltılması için Türbin Pompa Kullanımının İncelenmesi**
KARADİREK İ. E., Özen Ö., KARA S., Gülaydın O., Beştaş E., Boyacılar M., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
Uluslararası Sürdürülebilir Su Yönetimi Kongresi, İzmir, Turkey, 8 - 10 October 2015, pp.81
- XLII. **Abone Su Kullanımlarının Hidrolik Modelleme Hassasiyeti Üzerindeki Etkisi**
KARA S., KARADİREK İ. E., GÜLAYDIN O., ÖZEN Ö., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
3. Uluslararası Sürdürülebilir Su Yönetimi Sempozyumu, İzmir, Turkey, 8 - 10 October 2015
- XLIII. **Abone Su Kullanımlarının Hidrolik Modelleme Hassasiyeti Üzerindeki Etkisi**
KARA S., KARADİREK İ. E., GÜLAYDIN O., ÖZEN Ö., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
3. Uluslararası Sürdürülebilir Su Yönetimi Sempozyumu, İzmir, Turkey, 8 - 10 October 2015
- XLIV. **İçmesuyu Dağıtım Şebekelerinde Enerji Kazanımı ve Su Kayıplarının Azaltılması için Türbin Pompa Kullanımının İncelenmesi**
KARADİREK İ. E., Özen Ö., KARA S., Gülaydın O., Beştaş E., Boyacılar M., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
Uluslararası Sürdürülebilir Su Yönetimi Kongresi, İzmir, Turkey, 8 - 10 October 2015, pp.81
- XLV. **İçmesuyu İletim ve Dağıtım Sistemlerinde Fazla Basınçtan Enerji Üretim Potansiyeli**
KARADİREK İ. E., KARA S., ÖZEN Ö., GÜLAYDIN O., Beştaş E., Boyacılar M., MUHAMMETOĞLU A., GÜNGÖR A., MUHAMMETOĞLU H.
3. Anadolu Enerji Sempozyumu, Muğla, Turkey, 1 - 03 October 2015, pp.414-423
- XLVI. **İçmesuyu İletim Ve Dağıtım Sistemlerinde Fazla Basınçtan Enerji Üretim Potansiyeli**
KARADİREK İ. E., KARA S., ÖZEN Ö., GÜLAYDIN O., BEŞTAŞ E., BOYACILAR M., MUHAMMETOĞLU A., GÜNGÖR A., MUHAMMETOĞLU H.
3. ANADOLU ENERJİ SEMPOZYUMU (AES2015), Muğla, Turkey, 1 - 03 October 2015, pp.414-423
- XLVII. **İçmesuyu İletim Ve Dağıtım Sistemlerinde Fazla Basınçtan Enerji Üretim Potansiyeli**
KARADİREK İ. E., KARA S., ÖZEN Ö., GÜLAYDIN O., BEŞTAŞ E., BOYACILAR M., MUHAMMETOĞLU A., GÜNGÖR A., MUHAMMETOĞLU H.
3. ANADOLU ENERJİ SEMPOZYUMU (AES2015), Muğla, Turkey, 1 - 03 October 2015, pp.414-423
- XLVIII. **Water quality and quantity management practices in urban water supply systems: case study of Antalya City, Turkey**
KARADİREK İ. E., KARA S., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
World Multidisciplinary Earth Sciences, Prag, Czech Republic, 7 - 11 September 2015, pp.482
- XLIX. **Improving the Energy Efficiency of Urban Water Distribution System**
MUHAMMETOĞLU A., KARADİREK İ. E., KARA S., Şahin B., MUHAMMETOĞLU H.
The ICORES 2015 : XIII International Conference on Operations Research and Enterprise Systems, Dubai, United Arab Emirates, 30 - 31 January 2015, pp.262
- L. **Improving the Energy Efficiency of Urban Water Distribution System**
MUHAMMETOĞLU A., KARADİREK İ. E., KARA S., Şahin B., MUHAMMETOĞLU H.
The ICORES 2015 : XIII International Conference on Operations Research and Enterprise Systems, Dubai, United Arab Emirates, 30 - 31 January 2015, pp.262
- LI. **Management of Non-Revenue Municipal Water**
MUHAMMETOĞLU H., KARADİREK İ. E., KARA S., MUHAMMETOĞLU A.
The ICORES 2015 : XIII International Conference on Operations Research and Enterprise Systems, Dubai, United Arab Emirates, 30 - 31 January 2015, pp.263
- LII. **Management of Non-Revenue Municipal Water**
MUHAMMETOĞLU H., KARADİREK İ. E., KARA S., MUHAMMETOĞLU A.
The ICORES 2015 : XIII International Conference on Operations Research and Enterprise Systems, Dubai, United Arab Emirates, 30 - 31 January 2015, pp.263

- LIII. Management of Non-Revenue Municipal Water**
MUHAMMETOĞLU H., KARADİREK İ. E., KARA S., MUHAMMETOĞLU A.
The ICORES 2015 : XIII International Conference on Operations Research and Enterprise Systems, Dubai, United Arab Emirates, 30 - 31 January 2015, pp.263
- LIV. Improving the Energy Efficiency of Urban Water Distribution System**
MUHAMMETOĞLU A., KARADİREK İ. E., KARA S., Şahin B., MUHAMMETOĞLU H.
The ICORES 2015 : XIII International Conference on Operations Research and Enterprise Systems, Dubai, United Arab Emirates, 30 - 31 January 2015, pp.262
- LV. Management of Non-Revenue Municipal Water**
MUHAMMETOĞLU H., KARADİREK İ. E., KARA S., MUHAMMETOĞLU A.
The ICORES 2015 : XIII International Conference on Operations Research and Enterprise Systems, Dubai, United Arab Emirates, 30 - 31 January 2015, pp.263
- LVI. Improving the Energy Efficiency of Urban Water Distribution System**
MUHAMMETOĞLU A., KARADİREK İ. E., KARA S., Şahin B., MUHAMMETOĞLU H.
The ICORES 2015 : XIII International Conference on Operations Research and Enterprise Systems, Dubai, United Arab Emirates, 30 - 31 January 2015, pp.262
- LVII. Use of EPANET model for leakage modeling in urban water distribution networks: Antalya Case Study**
KARA S., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
12th International Conference on Protection and Restoration of the Environment, Skiathos, Greece, 29 June - 03 July 2014, pp.97
- LVIII. Urban Water Losses Management Practices in Turkey**
MUHAMMETOĞLU H., KARADİREK İ. E.
12th International Conference on Protection and Restoration of the Environment, Skiathos, Greece, 29 June - 03 July 2014, pp.23
- LIX. Use of EPANET model for leakage modeling in urban water distribution networks: Antalya Case Study**
KARA S., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
12th International Conference on Protection and Restoration of the Environment, Skiathos, Greece, 29 June - 03 July 2014, pp.97
- LX. Use of EPANET model for leakage modeling in urban water distribution networks: Antalya Case Study**
KARA S., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
12th International Conference on Protection and Restoration of the Environment, Skiathos, Greece, 29 June - 03 July 2014, pp.97
- LXI. Use of EPANET model for leakage modeling in urban water distribution networks: Antalya Case Study**
KARA S., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
12th International Conference on Protection and Restoration of the Environment, Skiathos, Greece, 29 June - 03 July 2014, pp.97
- LXII. Real Time Monitoring of Water Distribution Networks for Safe and Sufficient Water to the Consumers in Antalya City**
KARA S., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
3rd International Conference on Water Resources and Environmental Management (ICWRE 2014) « Role of Governance in the Management of Water Resources and Environment, Antalya, Turkey, 13 - 15 May 2014, pp.48
- LXIII. Real Time Monitoring of Water Distribution Networks for Safe and Sufficient Water to the Consumers in Antalya City**
KARA S., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
3rd International Conference on Water Resources and Environmental Management (ICWRE 2014) « Role of Governance in the Management of Water Resources and Environment, Antalya, Turkey, 13 - 15 May 2014, pp.48
- LXIV. Real Time Monitoring of Water Distribution Networks for Safe and Sufficient Water to the**

Consumers in Antalya City

KARA S., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.

3rd International Conference on Water Resources and Environmental Management (ICWRE 2014) « Role of Governance in the Management of Water Resources and Environment, Antalya, Turkey, 13 - 15 May 2014, pp.48

- LXV. **Real Time Monitoring of Water Distribution Networks for Safe and Sufficient Water to the Consumers in Antalya City**

KARA S., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.

3rd International Conference on Water Resources and Environmental Management (ICWRE 2014) « Role of Governance in the Management of Water Resources and Environment, Antalya, Turkey, 13 - 15 May 2014, pp.48

- LXVI. **Some System Identification Based Dynamic Models for Predicting Chlorine Concentrations in Water Distribution Networks**

KARADİREK İ. E., MUHAMMETOĞLU H., Soyupak S.

3rd International Conference on Water Resources and Environmental Management (ICWRE 2014) « Role of Governance in the Management of Water Resources and Environment, Antalya, Turkey, 13 - 15 May 2014, pp.49

- LXVII. **İçme Suyu Dağıtım Şebekelerinde Bakiye Klor Konsantrasyonunun Tahmini İçin Kullanılan Su Kalite Modelleri Ve Antalya'dan Örnek Bir Uygulama**

KARA S., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.

10. Ulusal Çevre Mühendisliği Kongresi, Ankara, Turkey

- LXVIII. **İçme Suyu Dağıtım Şebekelerinde Bakiye Klor Konsantrasyonunun Tahmini İçin Kullanılan Su Kalite Modelleri Ve Antalya'dan Örnek Bir Uygulama**

KARA S., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.

10. Ulusal Çevre Mühendisliği Kongresi, Ankara, Turkey

- LXIX. **Su Dağıtım Şebekelerinde Basınç Kontrol Teknikleri Ve Su Kayıplarının Yönetimi**

KARA S., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.

10. Ulusal Çevre Mühendisliği Kongresi, Ankara, Turkey

- LXX. **Su Dağıtım Şebekelerinde Basınç Kontrol Teknikleri Ve Su Kayıplarının Yönetimi**

KARA S., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.

10. Ulusal Çevre Mühendisliği Kongresi, Ankara, Turkey, 1 - 04 September 2013, pp.50-60

- LXXI. **İçme Suyu Dağıtım Şebekelerinde Bakiye Klor Konsantrasyonunun Tahmini İçin Kullanılan Su Kalite Modelleri Ve Antalya'dan Örnek Bir Uygulama**

KARA S., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.

10. Ulusal Çevre Mühendisliği Kongresi, Ankara, Turkey, 1 - 04 September 2013, pp.60-70

- LXXII. **İçme Suyu Dağıtım Şebekelerinde Bakiye Klor Konsantrasyonunun Tahmini İçin Kullanılan Su Kalite Modelleri Ve Antalya'dan Örnek Bir Uygulama**

KARA S., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.

10. Ulusal Çevre Mühendisliği Kongresi, Ankara, Turkey, 1 - 04 September 2013, pp.60-70

- LXXIII. **Su Dağıtım Şebekelerinde Basınç Kontrol Teknikleri Ve Su Kayıplarının Yönetimi**

KARA S., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.

10. Ulusal Çevre Mühendisliği Kongresi, Ankara, Turkey, 1 - 04 September 2013, pp.50-60

- LXXIV. **Su Dağıtım Şebekelerinde Basınç Kontrol Teknikleri Ve Su Kayıplarının Yönetimi**

KARA S., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.

10. Ulusal Çevre Mühendisliği Kongresi, Ankara, Turkey

- LXXV. **Chlorine Dosage Determination At The Feeding Stations Using GIS, SCADA and Modeling**

KARADİREK İ. E., KARA S., Altındal T., MUHAMMETOĞLU H., MUHAMMETOĞLU A., Cengiz K.

8th International Conference Of EWRA, "Water Resources Management in an Interdisciplinary and Changing Context, Porto, Portugal, 26 - 29 June 2013

- LXXVI. **Chlorine Dosage Determination At The Feeding Stations Using GIS, SCADA and Modeling**

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8th International Conference Of EWRA, "Water Resources Management in an Interdisciplinary and Changing Context, Porto, Portugal, 26 - 29 June 2013

- LXXVII. **Chlorine Dosage Determination At The Feeding Stations Using GIS, SCADA and Modeling**

KARADİREK İ. E., KARA S., Altındal T., MUHAMMETOĞLU H., MUHAMMETOĞLU A., Cengiz K.
8th International Conference Of EWRA, "Water Resources Management in an Interdisciplinary and Changing Context, Porto, Portugal, 26 - 29 June 2013

LXXVIII. Chlorine Dosage Determination At The Feeding Stations Using GIS, SCADA and Modeling

KARADİREK İ. E., KARA S., Altındal T., MUHAMMETOĞLU H., MUHAMMETOĞLU A., Cengiz K.
8th International Conference Of EWRA, "Water Resources Management in an Interdisciplinary and Changing Context, Porto, Portugal, 26 - 29 June 2013

LXXIX. Chlorine Dosage Determination At The Feeding Stations Using GIS, SCADA and Modeling

KARADİREK İ. E., KARA S., Altındal T., MUHAMMETOĞLU H., MUHAMMETOĞLU A.
8th International Conference Of EWRA; Water Resources Management in an Interdisciplinary and Changing Context, Portugal, 1 - 04 June 2013

LXXX. Water Losses Management Using DMA, SCADA and Modelling

MUHAMMETOĞLU H., KARADİREK İ. E., KARA S., Yılmaz G., MUHAMMETOĞLU A., Cengiz K.
8th International Conference Of EWRA; Water Resources Management in an Interdisciplinary and Changing Context, Portugal, 1 - 04 June 2013

LXXXI. Water Losses Management Using DMA, SCADA and Modelling

MUHAMMETOĞLU H., KARADİREK İ. E., KARA S., Yılmaz G., MUHAMMETOĞLU A., Cengiz K.
8th International Conference Of EWRA; Water Resources Management in an Interdisciplinary and Changing Context, Portugal

LXXXII. Water Losses Management Using DMA, SCADA and Modelling

MUHAMMETOĞLU H., KARADİREK İ. E., KARA S., Yılmaz G., MUHAMMETOĞLU A., Cengiz K.
8th International Conference Of EWRA; Water Resources Management in an Interdisciplinary and Changing Context, Portugal

LXXXIII. Water Losses Management Using DMA, SCADA and Modelling

MUHAMMETOĞLU H., KARADİREK İ. E., KARA S., Yılmaz G., MUHAMMETOĞLU A., Cengiz K.
8th International Conference Of EWRA; Water Resources Management in an Interdisciplinary and Changing Context, Porto, Portugal, 1 - 04 June 2013

LXXXIV. Management of chlorine levels in drinking water distribution Networks using SCADA, GIS and modeling

MUHAMMETOĞLU H., KARADİREK İ. E., MUHAMMETOĞLU A., Soyupak S., Kitiş M., KARA S., Cengiz K.
6th International Perspective on Water Resources & The Environment, Turkey

LXXXV. Management of water losses from water distribution systems using SCADA, DMA, GIS, and modeling: Case Study of Antalya City

MUHAMMETOĞLU H., KARADİREK İ. E., MUHAMMETOĞLU A., KARA S.
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LXXXVI. Management of water losses from water distribution systems using SCADA, DMA, GIS, and modeling: Case Study of Antalya City

MUHAMMETOĞLU H., KARADİREK İ. E., MUHAMMETOĞLU A., KARA S.
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LXXXVII. Management of chlorine levels in drinking water distribution Networks using SCADA, GIS and modeling

MUHAMMETOĞLU H., KARADİREK İ. E., MUHAMMETOĞLU A., Soyupak S., Kitiş M., KARA S., Cengiz K.
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LXXXVIII. Management of water losses from water distribution systems using SCADA, DMA, GIS, and modeling: Case Study of Antalya City

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- XC. Single Input Single Output Time Series Artificial Neural Network Models for Free Residual Chlorine Forecasting in Water Distribution Networks**
Soyupak S., Kılıç H., KARADİREK İ. E., MUHAMMETOĞLU H.
NCTA 2012- International Conference on Neural Computation Theory and Applications, Barselona, Spain, 5 - 07 October 2012, no.66
- XCI. Management of contamination in urban drinking water distribution systems using SCADA and modelling: Case study of Antalya City – Turkey**
MUHAMMETOĞLU H., KARADİREK İ. E., MUHAMMETOĞLU A., Soyupak S., Kitiş M., Cengiz K.
Urban Environmental Pollution, Amsterdam, Netherlands, 17 - 20 June 2012
- XCII. Prediction Of Water Saving Through Pressure Reduction**
KARA S., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
Water Loss Europe 2012, Italy
- XCIII. Prediction Of Water Saving Through Pressure Reduction**
KARA S., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
Water Loss Europe 2012, Italy, 1 - 04 May 2012
- XCIV. Prediction Of Water Saving Through Pressure Reduction**
KARA S., KARADİREK İ. E., MUHAMMETOĞLU A., MUHAMMETOĞLU H.
Water Loss Europe 2012, Italy
- XCV. Antalya Konyaaltı Bölgesi İçme Suyu Kalitesinin İzlenmesi Ve Yönetimi**
MUHAMMETOĞLU H., MUHAMMETOĞLU A., KARADİREK İ. E., Altındal T., KARA S., Yılmaz G., Kitiş M., Yiğit N. Ö., Harman B. İ., Palancı İ., et al.
1. Kıyı Bölgelerinde Çevre Kirliliği Ve Kontrolü Sempozyumu, Tekirdağ, Turkey, 17 - 20 November 2011
- XCVI. Antalya Konyaaltı Bölgesi İçme Suyu Kalitesinin İzlenmesi Ve Yönetimi**
MUHAMMETOĞLU H., MUHAMMETOĞLU A., KARADİREK İ. E., Altındal T., KARA S., Yılmaz G., Kitiş M., Yiğit N. Ö., Harman B. İ., Palancı İ., et al.
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MUHAMMETOĞLU H., MUHAMMETOĞLU A., KARADİREK İ. E., Altındal T., KARA S., Yılmaz G., Kitiş M., Yiğit N. Ö., Harman B. İ., Palancı İ., et al.
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- XCVIII. Antalya Konyaaltı Bölgesi İçme Suyu Kalitesinin İzlenmesi Ve Yönetimi**
MUHAMMETOĞLU H., MUHAMMETOĞLU A., KARADİREK İ. E., Altındal T., KARA S., Yılmaz G., Kitiş M., Yiğit N. Ö., Harman B. İ., Palancı İ., et al.
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