

## Prof. KAHRAMAN ÜNLÜ

### Personal Information

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### International Researcher IDs

ScholarID: -ICxWkQAAAAJ

ORCID: 0000-0003-0590-7181

Publons / Web Of Science ResearcherID: AAG-8948-2019

ScopusID: 7004255870

Yoksis Researcher ID: 11638

### Education Information

Doctorate, University of California, Davis, Department Of Land Air And Water Resources, Soil Physics, United States Of America 1984 - 1989

Postgraduate, Iowa State University, Agronomy Department, Soil Science, United States Of America 1982 - 1984

Undergraduate, Ankara University, Ziraat Fakültesi, Toprak Bölümü, Turkey 1972 - 1977

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Stochastic Analysis of Large Scale Transient Unsaturated Flow in Soil: Input Parameter Characterization and Model Output Evaluation, University Of California, Davis, Department Of Land Air And Water Resources, 1989

Postgraduate, Computer-Simulated Hydraulic Behaviors of Two Clarion Loam Soils, Iowa State University, Agronomy Department, 1984

### Research Areas

Environmental Engineering, Environmental Sciences, Environmental Technology, Soil and Groundwater Pollution and Control, Engineering and Technology

### Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 2000 - Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 1994 - 2000

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 1992 - 1994

Lecturer, Virginia Polytechnic Institute and State University, College Of Engineering, Center For Environmental And Hazardous Materials Studies, 1990 - 1992

Expert, University of California, Davis, Collage Of Agricultural And Environmental Sciences, Department Of Land Air And Water Resources, 1989 - 1989

## Academic and Administrative Experience

Head of Department, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 2015 - 2018

Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 1999 - 2002

Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 1994 - 1997

## Courses

Contaminated Site Remediation, Postgraduate, 2019 - 2020

Transport Processes in Environmental Engineering, Undergraduate, 2018 - 2019, 2016 - 2017

Modeling Soil and Groundwater Pollution, Postgraduate, 2017 - 2018

## Advising Theses

ÜNLÜ K., Pesttrans: A software developed for assessing the fate and transport of pesticides in soil environment, Postgraduate, A.MOHAMMED(Student), 2021

Ünlü K., Determination of environmental quality standard-based discharge limits for Tersakan sub-basin of Yeşilirmak river, Postgraduate, S.ÇELEBİ(Student), 2019

Dilek F. B., Ünlü K., Estimation of diffuse pollution loads of pesticides in Tersakan sub-basin of Yeşilirmak river, Postgraduate, C.AYYILDIZ(Student), 2019

ÜNLÜ K., Determination of environmental quality standard -based discharge limits and mixing zones for tersakan sub-basin of Yeşilirmak river, Postgraduate, S.Çelebi(Student), 2019

ÜNLÜ K., Numerical model development for Güzelyurt aquifer, North Cyprus, Postgraduate, C.DEMİR(Student), 2018

ÜNLÜ K., Conceptual model development for Güzelyurt aquifer, North Cyprus, Postgraduate, D.FANTA(Student), 2015

ÜNLÜ K., Development of risk based soil quality standards for Turkey, Doctorate, H.MELTEM(Student), 2011

Aksoy A., Ünlü K., Development of a fuzzy rule based remedial priority ranking system for contaminated sites, Postgraduate, Ş.Polat(Student), 2009

ÜNLÜ K., A decision support tool for conceptual site model development at contaminated sites, Postgraduate, B.BÜYÜKER(Student), 2009

Yazıcı A., Ünlü K., Development of a decision support system for performance-based landfill design, Doctorate, B.ÇELİK(Student), 2008

ÜNLÜ K., A mathematical modeling study on the feasibility of disposing partially treated domestic wastewater using soil pile systems, Postgraduate, H.Altınoklar(Student), 2006

ÜNLÜ K., A mathematical modeling study on the feasibility of disposing partially treated domestic waste water using soil pile systems, Postgraduate, H.ALTINOKLAR(Student), 2006

ÜNLÜ K., Laboratory investigation of the treatment of chromium contaminated groundwater with iron-based permeable reactive barriers, Postgraduate, B.UYUŞUR(Student), 2006

ÜNLÜ K., Modeling natural attenuation of petroleum hydrocarbons (btex) in heterogeneous aquifers, Postgraduate,

T.Uçankuş(Student), 2005  
ÜNLÜ K., The effects of aquifer heterogeneity on the natural attenuation rates of chlorinated solvents, Postgraduate, B.ÖNKAL(Student), 2005  
ÜNLÜ K., Assessment of quality and quantity of leachate from the municipal solid waste landfill of bursa, Postgraduate, S.Akyol(Student), 2005  
ÜNLÜ K., Assesment of quality and quantity of leachate from the municipal solid waste landfill of Bursa, Postgraduate, S.AKYOL(Student), 2005  
ÜNLÜ K., Modeling natural attenuation of petroleum hyorocarbons (BTEX) in heterogeneous aquifers, Postgraduate, T.UÇANKUŞ(Student), 2005  
ÜNLÜ K., Sanitary landfill design evaluation using geographic information systems (GIS) interfaced with system simulation models (SSM), Postgraduate, B.TARHAN(Student), 2003  
ÜNLÜ K., Modeling chromium leaching from chromite ore processing waste, Postgraduate, S.YALÇIN(Student), 2003  
ÜNLÜ K., Modeling contaminant transport and remediation at the AKSA acrylonitrile spill site, Postgraduate, S.SEVİNÇ(Student), 2002  
YETİŞ Ü., ÜNLÜ K., Comparison of leaching tests for hazardous waste characterization, Postgraduate, N.ANBARYAPAN(Student), 2001  
ÜNLÜ K., Development of modeling approaches for landfill leachate management, Doctorate, E.DEMİREKLER(Student), 2001  
ÜNLÜ K., Treatment of domestic wastewater using soil aquifer treatment system, Postgraduate, K.GÜNGÖR(Student), 2001  
ÜNLÜ K., Solidification/stabilization of hazardous wastes, Postgraduate, O.Yılmaz(Student), 2000  
ÜNLÜ K., Solidification/stabilization of hazardous, Postgraduate, O.YILMAZ(Student), 2000  
ÜNLÜ K., Chromium leaching from chromite ore processing waste material, Postgraduate, S.HASKÖK(Student), 1998  
ÜNLÜ K., A Model for optimal design and operation of land treatment systems for oily wastes, Postgraduate, S.KIVANÇ(Student), 1998  
ÜNLÜ K., Assesment of groundwater pollution potential due to nitrogen fertilizer applications in an iriigated agricultural basin, Postgraduate, G.Özenirler(Student), 1997  
ÜNLÜ K., Assesment of groundwater pollution potential due to nitrogen fertilizer applications in an irrigated agricultural basin, Postgraduate, G.ÖZENİRLER(Student), 1997  
ÜNLÜ K., A Stochastic analysis of the influence of climatic variability on the leachate collection efficiency and groundwater pollution risk at landfill sites, Postgraduate, S.AKSAKAL(Student), 1996

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

- I. **Colloidal transport of heavy metals in low-advective-velocity environmental systems: Reactive transport model on biogeochemical and hydrodynamic impacts**  
Şengör S. S., Ünlü K.  
Vadose Zone Journal, vol.22, no.1, 2023 (SCI-Expanded)
- II. **A practical approach for the determination of environmental quality standards-based discharge limits: the case of Tersakan sub-basin of Yeşilirmak River in Turkey.**  
Çelebi S., Yetiş Ü., Ünlü K.  
Environmental science and pollution research international, vol.28, pp.38730-38748, 2021 (SCI-Expanded)
- III. **Occurrence of micropollutants in the Yesilirmak River Basin, Turkey**  
Küçük E., Pilevneli T., Erguven G. O., Aslan S., Olgun E. O., Canli O., Ünlü K., Dilek F. B., İpek U., Avaz G., et al.  
Environmental Science and Pollution Research, vol.28, no.19, pp.24830-24846, 2021 (SCI-Expanded)
- IV. **Identification of waste management strategies and waste generation factors for thermal power plant sector wastes in Turkey**  
Demir C., YETİŞ Ü., ÜNLÜ K.  
WASTE MANAGEMENT & RESEARCH, vol.37, no.3, pp.210-218, 2019 (SCI-Expanded)
- V. **Identification of management strategies and generation factors for spent lead acid battery recovery**

**plant wastes in Turkey**

ÇELEBİ S., YETİŞ Ü., ÜNLÜ K.

WASTE MANAGEMENT & RESEARCH, vol.37, no.3, pp.199-209, 2019 (SCI-Expanded)

- VI. **A Fuzzy Rule Based Remedial Priority Ranking System for Contaminated Sites**  
Polat S., Aksoy A., Ünlü K.  
GROUNDWATER, vol.53, no.2, pp.317-327, 2015 (SCI-Expanded)
- VII. **Modeling contaminant transport and remediation at an acrylonitrile spill site in Turkey**  
Sengor S. S., ÜNLÜ K.  
Journal of Contaminant Hydrology, vol.150, pp.77-92, 2013 (SCI-Expanded)
- VIII. **Challenges in Development and Implementation of Health-Risk-Based Soil Quality Guidelines: Turkey's Experience**  
KENTEL E., AKSOY A., Buyuker B., Dilek F. B., Girgin S., Ipek M. H., Polat S., YETİŞ Ü., ÜNLÜ K.  
RISK ANALYSIS, vol.31, no.4, pp.657-667, 2011 (SCI-Expanded)
- IX. **Hazardous waste management in Turkey: current legislative requirements and future challenges**  
YIGIT C., MADEN G., DISA N., YILMAZ O., OGUTVERİCİ A., ALP E., ÜNLÜ K., Gokcay C. F., DİLEK F. B., DOĞAN O., et al.  
DESALINATION AND WATER TREATMENT, vol.26, pp.152-159, 2011 (SCI-Expanded)
- X. **A decision support system for assessing landfill performance**  
Celik B., Girgin S., YAZICI A., ÜNLÜ K.  
WASTE MANAGEMENT, vol.30, no.1, pp.72-81, 2010 (SCI-Expanded)
- XI. **A Laboratory Column Investigation for the Treatment of Cr(VI) with Zero-Valent Iron**  
Uyusur B., ÜNLÜ K.  
ENVIRONMENTAL ENGINEERING SCIENCE, vol.26, no.2, pp.385-395, 2009 (SCI-Expanded)
- XII. **Effect of vadose zone on the steady-state leakage rates from landfill barrier systems**  
ÇELİK B., Rowe R. K., ÜNLÜ K.  
WASTE MANAGEMENT, vol.29, no.1, pp.103-109, 2009 (SCI-Expanded)
- XIII. **The effect of aquifer heterogeneity on natural attenuation rate of BTEX**  
Ucankus T., ÜNLÜ K.  
ENVIRONMENTAL GEOLOGY, vol.54, no.4, pp.759-776, 2008 (SCI-Expanded)
- XIV. **Modeling chromium dissolution and leaching from chromite ore-processing residue**  
Yalcin S., Unlu K.  
ENVIRONMENTAL ENGINEERING SCIENCE, vol.23, no.1, pp.187-201, 2006 (SCI-Expanded)
- XV. **Performance-based landfill design: development of a design component selection matrix using GIS and system simulation models**  
Tarhan B., Unlu K.  
ENVIRONMENTAL GEOLOGY, vol.49, no.1, pp.133-147, 2005 (SCI-Expanded)
- XVI. **Modelling leachate quality and quantity in municipal solid waste landfills**  
Yildiz E., Unlu K., Rowe R.  
WASTE MANAGEMENT & RESEARCH, vol.22, no.2, pp.78-92, 2004 (SCI-Expanded)
- XVII. **Solidification/stabilization of hazardous wastes containing metals and organic contaminants**  
Yilmaz O., ÜNLÜ K., ÇOKÇA E.  
Journal of Environmental Engineering, vol.129, no.4, pp.366-376, 2003 (SCI-Expanded)
- XVIII. **A model for optimal operation of land-treatment sites for oily wastes**  
Unlu K., Kivanc S.  
WASTE MANAGEMENT & RESEARCH, vol.19, no.3, pp.229-248, 2001 (SCI-Expanded)
- XIX. **Treatability of chromite ore processing waste by leaching**  
Unlu K., Haskok S.  
WASTE MANAGEMENT & RESEARCH, vol.19, no.3, pp.217-228, 2001 (SCI-Expanded)
- XX. **Modeling water quality impacts of petroleum contaminated soils in a reservoir catchment**  
Unlu K., Demirekler E.  
WATER AIR AND SOIL POLLUTION, vol.120, pp.169-193, 2000 (SCI-Expanded)
- XXI. **Nitrogen fertilizer leaching from cropped and irrigated sandy soil in Central Turkey**

- Unlu K., Ozenirler G., Yurteri C.  
EUROPEAN JOURNAL OF SOIL SCIENCE, vol.50, no.4, pp.609-620, 1999 (SCI-Expanded)
- XXII. **A geochemical equilibrium modeling approach to assessing soil acidification impacts due to depositions of industrial air emissions**  
Unlu K., Ilbeyi A., Soyupak S., Yurteri C.  
WATER AIR AND SOIL POLLUTION, vol.113, pp.395-409, 1999 (SCI-Expanded)
- XXIII. **Transport of metals leaching from land-disposed oil field wastes**  
Unlu K.  
WASTE MANAGEMENT & RESEARCH, vol.16, no.6, pp.541-554, 1998 (SCI-Expanded)
- XXIV. **Comparison Of Three Uncertainty-Analysis Methods To Assess Impacts On Groundwater Of Constituents Leached From Land-Disposed Waste**  
ÜNLÜ K., Parker J., Chong P.  
Hydrogeology Journal, vol.3, no.2, pp.4-18, 1995 (SCI-Expanded)
- XXV. **ASSESSING RISK OF GROUNDWATER POLLUTION FROM LAND-DISPOSED WASTES**  
UNLU K.  
JOURNAL OF ENVIRONMENTAL ENGINEERING-ASCE, vol.120, no.6, pp.1578-1597, 1994 (SCI-Expanded)
- XXVI. **A SCREENING MODEL FOR EFFECTS OF LAND-DISPOSED WASTES ON GROUNDWATER QUALITY**  
UNLU K., KEMBLOWSKI M., PARKER J., STEVENS D., CHONG P., KAMIL I.  
JOURNAL OF CONTAMINANT HYDROLOGY, vol.11, pp.27-49, 1992 (SCI-Expanded)
- XXVII. **STATISTICAL PARAMETERS CHARACTERIZING THE SPATIAL VARIABILITY OF SELECTED SOIL HYDRAULIC-PROPERTIES**  
UNLU K., NIELSEN D., BIGGAR J., MORKOC F.  
SOIL SCIENCE SOCIETY OF AMERICA JOURNAL, vol.54, no.6, pp.1537-1547, 1990 (SCI-Expanded)
- XXVIII. **STOCHASTIC-ANALYSIS OF UNSATURATED FLOW - ONE-DIMENSIONAL MONTE-CARLO SIMULATIONS AND COMPARISONS WITH SPECTRAL PERTURBATION ANALYSIS AND FIELD OBSERVATIONS**  
UNLU K., NIELSEN D., BIGGAR J.  
WATER RESOURCES RESEARCH, vol.26, no.9, pp.2207-2218, 1990 (SCI-Expanded)
- XXIX. **STOCHASTIC-ANALYSIS OF FIELD MEASURED UNSATURATED HYDRAULIC CONDUCTIVITY**  
UNLU K., KAVVAS M., NIELSEN D.  
WATER RESOURCES RESEARCH, vol.25, no.12, pp.2511-2519, 1989 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Modeling coastal Güzelyurt (Morphou) aquifer in northern Cyprus for mitigation of groundwater depletion through managed aquifer recharge**  
DEMİR C., Fanta D., Akıntuğ B., ÜNLÜ K.  
Sustainable Water Resources Management, vol.8, no.4, 2022 (ESCI)
- II. **Development of human health risk-based Soil Quality Standards for Turkey: Conceptual framework**  
İpek M., ÜNLÜ K.  
Environmental Advances, vol.1, no.1, pp.1-23, 2020 (Peer-Reviewed Journal)
- III. **Nitrite and nitrate removal efficiencies of soil aquifer treatment columns**  
Güngör K., ÜNLÜ K.  
Turkish Journal of Engineering and Environmental Sciences, vol.29, no.3, pp.159-170, 2005 (Scopus)
- IV. **Comparison of two leaching tests to assess the effectiveness of cement-based hazardous waste solidification/stabilization**  
Yilmaz O., ÇOKÇA E., ÜNLÜ K.  
Turkish Journal of Engineering and Environmental Sciences, vol.27, no.3, pp.201-212, 2003 (Scopus)
- V. **Optimal design and operation of land-treatment systems for petroleum hydrocarbons**  
Kivanc S., ÜNLÜ K.  
Battelle Memorial Institute International In Situ and On-Site Bioreclamation Symposium Proceedings, vol.5, 1999

(Scopus)

- VI. **Classification of commonly used pesticides in Turkey based on pollution potentials Türkiye'de yaygın olarak kullanılan pestisitlerin kirlilik potansiyellerine göre sınıflanması**  
ÜNLÜ K., Özenirler G., Sözüdoğru S.  
Turkish Journal of Engineering and Environmental Sciences, vol.21, no.3, pp.189-202, 1997 (Scopus)
- VII. **Türkiye'xxde yaygın olarak kullanılan pestisitlerin kirlilik potansiyellerine göre sınıflanması**  
ÜNLÜ K., Özenirler G., Sözüdoğru S.  
Turkish Journal of Engineering and Environmental Sciences, vol.21, pp.189-202, 1997 (Peer-Reviewed Journal)
- VIII. **Estimation of capillary pressure parameter from total petroleum hydrocarbon measurements in contaminated soils Kilcal basınç parametresinin kirlenmiş topraklardaki toplam petrol hidrokarbonu ölçümlerinden tahmin edilmesi**  
ÜNLÜ K., Parker J.  
Turkish Journal of Oil and Gas, vol.1, no.2, pp.45-51, 1995 (Scopus)

## Books & Book Chapters

- I. **3. Management and Remediation of Poilluted Soils**  
ÜNLÜ K.  
in: Soil Pollution: A Hidden Reality, Natalia Rodrguez, Michael McLaughlin, Daniel Pennock, Editor, Food and Agriculture Organization of the United Nations, Roma, pp.67-79, 2018
- II. **A screening model for the assessment of leachate collection efficiency and groundwater pollution potential at landfill sites**  
Aksakal S., Ünlü K.  
in: Advances in Groundwatr Pollution Control and Remediation, Mustafa M. Aral, Editor, Kluwer Academic Publishers, Dordrecht, pp.479-490, 1995

## Refereed Congress / Symposium Publications in Proceedings

- I. **Occurrence of micropollutants in the industrial wastewaters discharged to Yeşilırmak and Nilüfer Rivers in Turkey**  
Küçük E., ERGÜVEN G. Ö., Canlı O., PİLEVNELİ T., Aydın E., Oktem O., ASLAN S., KURT Z., ÜNLÜ K., DİLEK F. B., et al.  
5th International Congress on Water, Waste and Energy Management (WWEM - 19), Paris, France, 22 - 24 July 2019, vol.1, pp.90
- II. **Estimation of diffuse pollution loads of pesticides in Tersakan Sub-Basin of Yeşilırmak River, Turkey**  
Ayyıldız C., Dilek F. B., Yetiş Ü., Ünlü K.  
International Soil Congress 2019, Ankara, Turkey, 17 - 19 June 2019, vol.1, pp.430
- III. **Noktasal Kaynakların Yeşilırmak Havzası Alıcı Ortam Kalitesine Etkilerinin Belirlenmesi**  
KÜÇÜK E., PİLEVNELİ T., ASLAN S., ERGÜVEN G. Ö., OLGUN E. Ö., CANLI o., KURT Z., ÇELİK MADENLİ E., ÜNLÜ K., DİLEK F. B., et al.  
1. Uluslararası İçmesuyu ve Atıksu Sempozyumu, 6 - 07 December 2018
- IV. **Development and implementation of health risk-based soil quality guidelines in Turkey**  
İpek H. M., ÜNLÜ K.  
Global Symposium on Soil Pollution, GSOP 2018, Roma, Italy, 2 - 04 May 2018
- V. **Identification of Waste Management Strategies and Waste Generation Factors for Thermal Power Plant Sector Wastes in Turkey**  
DEMİR C., YETİŞ Ü., ÜNLÜ K.  
Eurasia 2018 Waste Management Symposium, İstanbul, Turkey, 2 - 04 May 2018
- VI. **Identification of Waste Management Strategies and Waste Generation Factors for Spent Accumulator Recovery Sector Wastes**

ÇELEBİ S., YETİŞ Ü., ÜNLÜ K.

Eurasia 2108 Waste Management Symposium, İstanbul, Turkey, 2 - 04 May 2018

- VII. **Identification of river basin specific pollutants using hazard ranking and risk-ranking of chemicals**  
EMRE e., KÜÇÜK E., TOLGA p., İPEK U., BALCI d., ÜNLÜ K., DİLEK F. B., ÇELİK MADENLİ E., YETİŞ Ü.  
2017 Int. Env. Eng. Conference and annual meeting of the Korean Society of Env. Engineers, 15 - 17 November 2017
- VIII. **Conceptual and numerical modeling of Güzelyurt akifer, Turkish Republic of Northern Cyprus (TRNC)**  
DEMİR C., Fanta D., AKINTUĞ B., ÜNLÜ K.  
International Symposium on GIS Applications in Geography and Geosciences, Çanakkale, Turkey, 18 - 21 October 2017
- IX. **Ranking of the remedial priority of contaminated sites using a fuzzy rule based system**  
AKSOY A., POLAT s., ÜNLÜ K.  
NGWA Groundwater Summit 2016, 24 - 27 April 2016
- X. **Ranking the Priority of Contaminated Sites Using a Fuzzy Rule Based System**  
Polat Ş., AKSOY A., ÜNLÜ K.  
2016 NGWA Groundwater Summit, 24 - 27 April 2016
- XI. **Endüstriyel kaynaklı kirlenmiş sahalar için çevre yönetim sistemi**  
ÜNLÜ K., GÜVENER m., GİRGİN s., YETİŞ Ü., DİLEK F. B., AKSOY A., BÜYÜKER b., POLAT ş.  
EKK 08, İstanbul, Turkey, 11 - 13 June 2008, pp.9-26
- XII. **Use of GIS as a supporting tool for environmental risk assessment and emergency response plans**  
Girgin S., Unlu K., Yetis U.  
NATO Advanced Research Workshop on Comparative Risk Assessment and Environmental Decision Making, Rome, Italy, 13 - 16 October 2002, vol.38, pp.267-274
- XIII. **Leachate quality and quantity modelling in municipal solid waste landfills**  
Demirekler E., ÜNLÜ K., Rowe R., Armstrong M.  
2000 Annual Conference - Canadian Society for Civil Engineering, London, Canada, 7 - 10 June 2000, pp.148
- XIV. **Optimal design and operation of land-treatment systems for petroleum hydrocarbons**  
Kivanc S., Unlu K.  
5th International In Situ and On-Site Bioremediation Symposium, California, United States Of America, 19 - 22 April 1999, pp.81-86
- XV. **Risk based remedial investigations for polychlorinated biphenyl (PCB)-contaminated soil sites**  
Unlu K.  
4th International In Situ and On-Site Bioremediation Symposium, Louisiana, United States Of America, 28 April - 01 May 1997, pp.463
- XVI. **Monte Carlo model to assess effects of land-disposed E&P waste on groundwater**  
Parker J., Unlu K., Kembrowski M.  
Proceedings of the 1993 SPE Annual Technical Conference and Exhibition. Part 1 (of 5), Houston, TX, USA, 3 - 06 October 1993, pp.121-130

## Supported Projects

Yetiş Ü., Ünlü K., Dilek F. B., Ateş N., Uzal N., TUBITAK Project, Yeşilirmak Havzası Noktasal ve Yayılı Kirlilik Kaynakları Yönetimi, 2016 - 2020

Yücel İ., Aydın A. F., Ünlü K., Fıstıkoğlu O., Şorman A. A., Balas L., Technopark, SU KAYNAKLARININ SÜRDÜRÜLEBİLİR YÖNETİMİ İÇİN ÜLKEMİZE ÖZGÜ HİDROLOJİK, SU KALİTESİ VE EKOLOJİK MODELLEME ARAÇLARI GELİŞTİRİLMESİ PROJESİ, 2016 - 2019

ÜNLÜ K., DEMİR C., Project Supported by Higher Education Institutions, Kuzey Kıbrıs Türk Cumhuriyeti (KKTC) Güzelyurt Akiferi'nin Sayısal Modellenmesi, 2016 - 2019

Yetiş Ü., Ünlü K., Project Supported by Other Official Institutions, Alıcı Ortam Kriterleri Bazında Deşarj Syandartlarını

belirleme ve uygulama projesi, 2017 - 2018

Dilek F. B., Yetiş Ü., Ünlü K., Project Supported by Other Official Institutions, Alıcı Ortam Kriterleri Bazında Deşarj Standartlarını Belirleme ve Uygulama Yöntemlerinin Geliştirilmesi Projesi, 2016 - 2018

Yetiş Ü., Ünlü K., Project Supported by Other Official Institutions, ENDÜSTRİYEL ATIKLARIN SEKTÖREL YÖNETİMİ KAPSAMINDA ATIK ÜRETİM FAKTÖRLERİNİN BELİRLENMESİ VE SEKTÖR KILAVUZLARININ HAZIRLANMASI, 2016 - 2016

Dilek F. B., Yetiş Ü., Ünlü K., Project Supported by Other Official Institutions, Sektörel Bazlı Tehlikeli Atık Üretimi ve Yönetimi Rehber Dokumanlarının Hazırlanması, 2016 - 2016

YAZICIGİL H., ÜNLÜ K., Project Supported by Other Private Institutions, Çöpler Kompleks Madeni Atık Depolama Tesisinin Olası Kaza ve Afet Durumunda Çöpler ve Sabırlı Köyleri Yerleşkelerine etkilerinin Değerlendirilmesi, 2016 - 2016

KALAYLIOĞLU AKYILDIZ Z. I., AKKAYA A., ÜNLÜ K., Project Supported by Higher Education Institutions, ODTÜ Kampüsünde Çöp Toplama Sistemi Dışında Kalan Evsel Katı Atıkların Analizi ve Çözüm Önerileri, 2016 - 2016

ÜNLÜ K., Project Supported by Other Private Institutions, Çöpler Kompleks Madeni Atık Depolama Tesisinin Taban Sızdırmazlık Değerlendirmesi, 2015 - 2015

ÜNLÜ K., TUBITAK Project, Noktasal Kaynaklı Kirlenmiş Sahalar İçin Yönetim Sistemi Geliştirilmesi, 2006 - 2009

## Metrics

Publication: 59

Citation (WoS): 315

Citation (Scopus): 397

H-Index (WoS): 9

H-Index (Scopus): 10

## Non Academic Experience

METU

METU

METU

METU

Virginia Polytechnic Institute & State Univ.

University of California, Davis

University of California, Davis

Iowa Sate University

Ankara Topraksu Arastırma Enstitüsü