

Prof. KAAN YETİLMEZSOY

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: Z-1680-2019

ScopusID: 15840993600

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Biography

Prof. Dr. Kaan YETİLMEZSOY, 1979 yılında İstanbul'da doğmuştur. 1985-1987 yılları arasında İskenderpaşa İlkokulu'nda (Fatih, İstanbul) ve 1987-1990 yılları arasında Şenesenevler İlkokulu'nda (Kadıköy, İstanbul) ilköğretim eğitimi aldıktan sonra, 1990-1993 yılları arasında Şenesenevler Ortaokulu'na (Kadıköy, İstanbul) devam etmiş ve ortaöğrenimini okul ikincisi olarak tamamlamıştır. 1993-1997 yılları arasında eğitim gördüğü yabancı dil ağırlıklı Haydarpaşa Süper Lisesi'nden (Üsküdar, İstanbul) mezun olan Prof. Dr. Kaan YETİLMEZSOY, 1998 yılında kazandığı Yıldız Teknik Üniversitesi (YTÜ) İnşaat Fakültesi Çevre Mühendisliği Bölümü'nü, toplam 6 dönemde (3 yılda) bölüm ve fakülte birincisi olarak 2001-2002 Güz Yarıyılı'nda tamamlamıştır. Aynı zamanda, YTÜ çapında ikincilik derecesi elde etmiştir. 2002 Ekim ayında, YTÜ İnşaat Fakültesi Çevre Mühendisliği Bölümü Çevre Teknolojisi Anabilim Dalı'nda Araştırma Görevlisi olarak akademik çalışmalarına başlamıştır.

Yüksek Lisans eğitimini ve aynı yarıyıldaki ikinci lisansı olan İnşaat Mühendisliği Bölümü'nü Yüksek Onur Öğrencisi olarak 2004 Güz Yarıyılı'nda tamamlamıştır. Lisans ve Yüksek Lisans kapsamındaki başarılarından ötürü, TÜBİTAK tarafından 2005-2008 yılları arasında Yurtiçi Doktora Bursu ile desteklenmiştir. 2008 Haziran ayında, Doktora eğitimini tamamlamış ve YTÜ Fen Bilimleri Enstitüsü Çevre Mühendisliği Anabilim Dalı'nda Doktor Mühendis unvanı almıştır. 2008 Aralık ayında Yardımcı Doçent görevine atanmıştır. Muvazzaf askerlik hizmetini 30.09.2009 tarihinde Erzurum Jet Üs Hava Meydan Komutanlığı'nda (327. Dnm.) tamamlamıştır. 2013 Ocak ayında Doçent unvanı ve 2019 Temmuz ayında Profesör unvanı almış olup, halen aynı Anabilim Dalı'nda akademik çalışmalarına devam etmektedir. 2014/2015 Güz Yarıyılı ve 2017/2018 Bahar Yarıyılı arasında Yeditepe Üniversitesi Mühendislik Fakültesi'nde Misafir Öğretim Üyesi (2547 Sayılı Yasa'nın 40/a maddesine göre) olarak görev yapmıştır ve "Introduction to Scientific Computing" dersini vermiştir. Aynı zamanda, Milli Savunma Üniversitesi Deniz Harp Okulu Komutanlığı'nda Misafir Öğretim Üyesi (2547 Sayılı Yasa'nın 40/c ve 40/a maddelerine göre) olarak görev yapmıştır ve 2018/2019 Güz Yarıyılı'nda ve 2019/2020 Güz Yarıyılı'nda "Yapay Zekâ" dersini ve 2019/2020 Bahar Yarıyılı'nda "Siber Güvenlik İçin Veri Madenciliği Uygulamaları" dersini vermiştir.

Yıldız Teknik Üniversitesi Akademik Yükseltme ve Atama Ölçütleri ile İlgili Esaslar Yönergesi - 2008 gereğince toplanan AYDEK Üst Kurulundan ve Temel Alt Komisyonlardan gelen kararlar doğrultusunda, Mühendislik Temel Alanı için Yardımcı Doçentlik Kadrosu Başvurusu aşamasında (26.09.2008) toplam 281,6 Genel Değerlendirme Puanı (gerekli

minimum ölçüt = 30 Puan, YTÜ AYDEK-2008/EK-2/syf.34), Doçentlik Kadrosu Başvurusu aşamasında ise (01.03.2013) toplam 2021,6 Genel Değerlendirme Puanı (gerekli minimum ölçüt = 60 Puan, YTÜ AYDEK-2008/EK-2/syf.34) sağlamış olup, Yardımcı Doçentlik ile Doçentlik dönemi arasında %617,9'luk akademik performans artışı elde etmiştir.

Prof. Dr. Kaan YETİLMEZSOY, SCI/SCI-Expanded listesinde yer alan dergilerde toplam 164 adet uluslararası makale yayımlanmış (doçentlik sonrası SCI/SCI-Expanded listesinde yer alan dergilerde 128 adet makale yayımlamıştır), uluslararası kapsamdaki bir kitapta (Springer International Publishing) 1 adet bölüm yazarlığı ve 1 adet editörlük yapmış, ulusal kapsamdaki bir kitapta (Türkiye Bilimler Akademisi (TÜBA)) Marmara Denizi'ndeki müsilaj problemi konusunda 1 adet bölüm yazarlığı yapmış, uluslararası kapsamda 19 adet bildiri ve 8 adet diğer alan indekslerinde taranan makale, ulusal kapsamda 11 adet makale ve 7 adet bildiri yayımlamış, alanı ile ilgili 6 adet kitap yazarlığı yapmış ve toplamda 218 adet bilimsel eser üretmiştir.

Google Scholar Citations atf endeksine göre yayınlarına uluslararası alanda toplam 7952 kez atf yapılmış olup, h-index ve i10-index değerleri sırasıyla 44 ve 125'tir. Web of Science/Publons atf endeksine göre yayınlarına uluslararası alanda toplam 5053 kez atf yapılmış olup, bu veri tabanına göre h-index değeri 37'dir. Scopus veri tabanına göre atf sayısı 5701 ve h-index değeri 39'dur. Scinapse veri tabanına göre atf sayısı 5229 ve h-index değeri 39'dur. Semantic Scholar veri tabanına göre atf sayısı 5770 ve h-index değeri 39'dur.

1 adet uluslararası araştırma projesinde araştırmacı, 2 adet uluslararası araştırma projesinde dış danışman, 2 adet uluslararası araştırma projesinde proje hakemliği, 1 adet uluslararası kapsamdaki doktora tezinde dış danışman ve 10 adet ulusal araştırma projesinin 2'sinde yönetici ve 8'inde araştırmacı olarak çalışmıştır. Bununla birlikte, TÜBİTAK ÇAYDAG'da 3 adet panelistlik ve 1 adet dış danışmanlık, 4 adet AR-GE projesinde bilimsel danışmanlık, TÜBİTAK-3001 programı kapsamında 2 adet dış danışmanlık, TÜBİTAK-2223 programı kapsamında 1 adet dış danışmanlık ve TÜBİTAK-2219 programı kapsamında ise 1 adet dış danışmanlık görevi yapmıştır.

2011 yılından bu yana 9 adet yüksek lisans tez danışmanlığı, 1 adet eş danışmanlık (yüksek lisans) ve 1 adet doktora tez danışmanlığı yapmıştır. Lisansüstü seviyesinde kendi geliştirdiği "Çevre Mühendisliğinde Tahmin Modelleri ve Uygulamaları" dersini ve "Çevre Mühendisliğinde Optimizasyon" ve "Filtrasyon" derslerini vermektedir. İdari görevler kapsamında, 2009 yılında Yıldız Teknik Üniversitesi (YTÜ) İnşaat Fakültesi Binası Eksik ve Kusurlu İmalatlar Tespit Komisyonu Üyeliği, 2009-2013 yılları arasında Kalite Yönetim Temsilcisi ve Kalite ve Stratejik Planlama Komisyonu Başkanlığı, 2011-2017 yılları arasında YTÜ İnşaat Fakültesi Disiplin Komisyonu Üyeliği, 2014 yılında YTÜ Davutpaşa Kampüsü'ndeki Tarihi Su Galerilerinin İncelenmesi Komisyonu Üyeliği, 2014-2018 yılları arasında YTÜ Çevre Mühendisliği Bölümü Akreditasyon Kalite Yönetici Vekilliği, 2016 yılında YTÜ Çevre Mühendisliği Bölümü Kurumlararası Yatay Geçiş, Çift Anadal Başvuru Değerlendirme Komisyonu Üyeliği, 2016 yılında YTÜ İnşaat Fakültesi İhtisas Komisyonu (Yapı İşleri) Üyeliği ve 2016-2024 yılları arasında YTÜ Çevre Mühendisliği Bölümü Kalite Komisyonu - MÜDEK Ekibi Üyeliği görevleri yapmıştır.

2007-2024 yılları arasında uluslararası alandaki 88 farklı bilimsel dergide toplam 201 kez bilimsel hakemlik görevi yapmış ve bugüne kadar 86 adet ödül (akademik teşvik, sertifika, plaket, vb.) kazanmıştır. Uluslararası bilimsel literatürde kendisine ait 30 adet matematiksel formülü (tahmin modeli) bulunmakta olup, lisans ve lisansüstü düzeyinde projelendirme ve modelleme alanlarında 2 adet yeni ders geliştirmiştir. Ayrıca, bilimsel dergilerde ve konferanslarda 33 farklı üyelik (editör kurulu üyeliği, yardımcı editörlük, misafir editörlük, teknik program komite üyeliği, bilimsel komite üyeliği, moderatörlük, vb.) görevinde bulunmuştur. 2011 yılından bu yana, lisansüstü (yüksek lisans ve doktora) kapsamında YTÜ'de ve diğer kurumlarda 40'tan fazla jüri üyeliğinde bulunmuştur. 2020-2024 yılları arasında, T.C.

Üniversitelerarası Kurul Başkanlığı (ÜAK) tarafından 8 kez Doçentlik Jüri görevine atanmıştır.

Prof. Dr. Kaan YETİLMEZSOY'a, 26.12.2018 tarihinde Cumhurbaşkanlığı himayelerinde Beştepe Millet Kongre ve Kültür Merkezi'nde düzenlenen törenle Cumhurbaşkanı Sayın Recep Tayyip ERDOĞAN tarafından Türkiye Bilimler Akademisi 2018 yılı TÜBA-GEBİP Üstün Başarılı Bilim İnsanı Ödülü tevdi edilmiştir.

Güncelleme tarihi: 28 Ocak 2025, Salı, 00:59

Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Çevre Mühendisliği, Turkey
2004 - 2008

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Çevre Mühendisliği, Turkey
2002 - 2004

Undergraduate, Yildiz Technical University, Faculty Of Civil Engineering, İnşaat Mühendisliği, Turkey 2000 - 2004

Undergraduate, Yildiz Technical University, Faculty Of Civil Engineering, Çevre Mühendisliği, Turkey 1998 - 2002

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Education Management and Planning, Mühendislik Eğitim Programları Değerlendirme ve Akreditasyon Derneği (MÜDEK) Eğitim Çalıştayı, Mühendislik Eğitim Programları Değerlendirme ve Akreditasyon Derneği (MÜDEK), 2018

Dissertations

Doctorate, Tavuk çiftliği atıklarının havasız çamur yataklı reaktörde arıtılabilirliği, Yıldız Teknik Üniversitesi, Çevre Mühendisliği, Çevre Mühendisliği, 2008

Postgraduate, Nümerik analiz yöntemi ile absorpsiyon kulesi tasarımı, Yıldız Teknik Üniversitesi, Çevre Mühendisliği , Çevre Mühendisliği , 2004

Research Areas

Agricultural Sciences, Agriculture, Soil and Plant Feed, Soil Fertility, Acidity, Alkanility, Environmental Engineering, Environmental Technology, Computer Sciences, algorithms, Artificial Intelligence, Computer Learning and Pattern Recognition, Fluid Mechanics, Civil Engineering, Hydraulic, Hydraulic Structures, Pipeline Hydraulics, Open Channel Flow, Infrastructure Systems, Mathematics, Computer Science, Statistics, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering, 2019 - Continues

Professor, Yeditepe University, Mühendislik Fakültesi, 2022 - 2023
Professor, Yeditepe University, Mühendislik Fakültesi, 2022 - 2022
Professor, National Defense University, Naval Academy, Department Of Computer Engineering, 2020 - 2020
Professor, National Defense University, Naval Academy, Department Of Computer Engineering, 2019 - 2020
Associate Professor, National Defense University, Naval Academy, Department Of Computer Engineering, 2018 - 2019
Associate Professor, Yildiz Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering, 2013 - 2019
Associate Professor, Yeditepe University, Faculty Of Engineering, 2014 - 2018
Assistant Professor, Yildiz Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering, 2008 - 2013
Research Assistant PhD, Yildiz Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering, 2008 - 2008
Research Assistant, Yildiz Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering, 2002 - 2008

Supervised Theses

Yetilmezsoy K., Determination of Sustainable Waste Management Strategies in Smart Cities Using Fuzzy Multi-Criteria Decision Approach, Postgraduate, B.GİZEM(Student), 2023
Yetilmezsoy K., Su ve atıksu arıtma proseslerinin bilgisayar esaslı modellenmesi, Postgraduate, N.CEM(Student), 2021
Yetilmezsoy K., Yüksek katlı binalar için iç çevre kalite etkileri dahil bir yaşam döngüsü değerlendirme çerçevesi, Doctorate, M.BAHRAMIAN(Student), 2020
Yetilmezsoy K., Biyokimyasal Metan Potansiyeli Esaslı Modelleme ve İstatistiksel Analiz Çalışmaları, Postgraduate, S.ÖZMAN(Student), 2020
YETİLMEZSOY K., Sürdürülebilir Enerji ve Çevre Yönetiminde Elektrikli Çöp Kamyonu Filosunun Rota Optimizasyonu, Postgraduate, O.ERDİNÇ(Student), 2017
YETİLMEZSOY K., Yapay Zekâ Modelleriyle Tam Ölçekli Çamur Çürütme Reaktörlerinden Elde Edilen Biyogaz Üretiminin Tahmini: Yapay Sinir Ağları ve Fuzzy Logic Uygulamaları, Postgraduate, K.KARAKAYA(Student), 2016
YETİLMEZSOY K., Seyreltilmiş pamuklu tekstil atıksularının arıtımında Yukarı Akışlı Havasız Çamur Yataklı Reaktör (YAHÇYR) sisteminden elde edilen KOİ giderim verimi ve biyogaz üretiminin fuzzy logic (bulanık mantık) tekniği ile modellenmesi, Postgraduate, E.SOYDAŞ(Student), 2016
YETİLMEZSOY K., Tam Ölçekli Bir Sızıntı Suyu Arıtma Tesisinden Çıkan Azot Konsantrasyonunun Tahminde Optimum Bulanık Mantık (Fuzzy-Logic) Modelinin Araştırılması, Postgraduate, E.GÜR(Student), 2016
YETİLMEZSOY K., Melas Atıksularının Arıtımında Yukarı Akışlı Havasız Çamur Yataklı Reaktör (YAHÇYR) Sisteminden Elde Edilen Biyogaz ve Metan Üretimlerinin Yapay Sinir Ağları İle Modellenmesi, Postgraduate, İ.TEMİZEL(Student), 2016
YETİLMEZSOY K., Karbon Esaslı Lifli Polimerler (CFRP) ile Güçlendirilmiş Betonarme Kolonlarda Sargılı Beton Basınç Dayanımının Bulanık Mantık Yaklaşımı ile Tahmini, Postgraduate, S.MURTAZAOĞLU(Student), 2016

Jury Memberships

Post Graduate, Gizem Engiz (Yüksek Lisans), İstanbul Teknik Üniversitesi, December, 2018
Post Graduate, A. Burak Akkoyunlu (Yüksek Lisans), Yıldız Teknik Üniversitesi, November, 2017
Doctorate, Mustafa Bozyiğit (Doktora), Yıldız Teknik Üniversitesi, February, 2015
Post Graduate, Gökçe Duman (Yüksek Lisans), İstanbul Teknik Üniversitesi, January, 2015
Post Graduate, Tülin Yılmaz (Yüksek Lisans), Yıldız Teknik Üniversitesi, September, 2014
Post Graduate, Vesile Çelebi (Yüksek Lisans), Yıldız Teknik Üniversitesi, February, 2014
Post Graduate, İsmail Hakkı Zengin (Yüksek Lisans), Yıldız Teknik Üniversitesi, January, 2014
Doctoral Examination, Serap Karaca (Doktora Yeterlik Sınavı), Boğaziçi Üniversitesi, October, 2013
Post Graduate, Çisil Gülümser (Yüksek Lisans), İstanbul Teknik Üniversitesi, October, 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Utilization of Non-Composted Human Hair Hydrolysate as a Natural and Nutrient-Rich Liquid Fertilizer for Sustainable Agro-Applications and Bio-Waste Management**
Yetilmezsoy K., İlhan F., Kıyan E.
SUSTAINABILITY, vol.17, no.4, pp.1-39, 2025 (SCI-Expanded)
- II. **Synthesis of agro-industrial wastes/sodium alginate/bovine gelatin-based polysaccharide hydrogel beads: Characterization and application as controlled-release microencapsulated fertilizers**
Yetilmezsoy K., Kıyan E., İlhan F.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.279, no.Part 3, pp.1-28, 2024 (SCI-Expanded)
- III. **Techno-Economic Analysis of Combined Production of Wind Energy and Green Hydrogen on the Northern Coast of Mauritania**
Maaloum V., Bououbeid E. M., Ali M. M., Yetilmezsoy K., Rehman S., Ménézo C., Mahmoud A. K., Makoui S., Samb M. L., Yahya A. M.
SUSTAINABILITY, vol.16, no.18, pp.1-25, 2024 (SCI-Expanded)
- IV. **Development of a magnetic nanocomposite sorbent (NiCoMn/Fe₃O₄@C) for efficient extraction of methylene blue and Auramine O**
Gholami Z., YETİLMEZSOY K., Ahmadi Azqhandi M. H.
Chemosphere, vol.355, 2024 (SCI-Expanded)
- V. **An Optimization Study of Advanced Fenton Oxidation Methods (UV/Fenton–MW/Fenton) for Treatment of Real Epoxy Paint Wastewater**
Balcioglu İlhan E. B., İlhan F., Kurt U., Yetilmezsoy K.
WATER (SWITZERLAND), vol.16, no.4, pp.1-18, 2024 (SCI-Expanded)
- VI. **Benchmarking of Various Flexible Soft-Computing Strategies for the Accurate Estimation of Wind Turbine Output Power**
Bilal B., Yetilmezsoy K., Ouassaid M.
ENERGIES, vol.17, no.3, pp.1-36, 2024 (SCI-Expanded)
- VII. **Treatability of high-strength real sheep slaughterhouse wastewater using struvite precipitation coupled Fenton's oxidation: The MAPFOX process**
Yetilmezsoy K., İlhan F., Kıyan E.
Water Resources and Industry, vol.30, pp.1-26, 2023 (SCI-Expanded)
- VIII. **Role of Vermicomposting Microorganisms in the Conversion of Biomass Ash to Bio-Based Fertilizers**
Turp G. A., Özdemir S., Yetilmezsoy K., Öz N., Elkamel A.
SUSTAINABILITY, vol.15, no.11, pp.1-17, 2023 (SCI-Expanded)
- IX. **A Hybrid Fuzzy AHP-TOPSIS Approach for Implementation of Smart Sustainable Waste Management Strategies**
Demircan B. G., Yetilmezsoy K.
SUSTAINABILITY, vol.15, no.8, pp.1-23, 2023 (SCI-Expanded)
- X. **Additive Manufacture of Recycled Poly(Ethylene Terephthalate) Using Pyromellitic Dianhydride Targeted for FDM 3D-Printing Applications**
Alzahrani M., Alhumade H., Simon L., Yetilmezsoy K., Madhuranthakam C. M. R., Elkamel A.
SUSTAINABILITY, vol.15, no.6, pp.1-11, 2023 (SCI-Expanded)
- XI. **Modeling of the mass flow rate of natural gas flow stream using genetic/decision tree/kernel-based data-intelligent approaches**
Dayev Z., Yetilmezsoy K., Sihag P., Bahramian M., Kıyan E.
FLOW MEASUREMENT AND INSTRUMENTATION, vol.90, pp.1-15, 2023 (SCI-Expanded)
- XII. **Wind turbine output power prediction and optimisation based on a novel adaptive neuro-fuzzy inference system with the moving window**

Bilal B., Adjallah K. H., Sava A., Yetilmezsoy K., Ouassaid M.

ENERGY, vol.263, no.Part E, pp.1-20, 2023 (SCI-Expanded)

- XIII. **Optimal Configuration of Gas Solid Separation Equipment Using Mixed Integer Nonlinear Programming**
Failaka M. F., Madhuranthakam C. M. R., Yetilmezsoy K., Almansoori A., Elkamel A.
ATMOSPHERE, vol.13, no.11, pp.1-16, 2022 (SCI-Expanded)
- XIV. **Screening plant growth effects of sheep slaughterhouse waste-derived soil amendments in greenhouse trials**
Yetilmezsoy K., Kıyan E., İlhan F., Özçimen D., Koçer A. T.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.318, pp.1-16, 2022 (SCI-Expanded)
- XV. **Use of sheep slaughterhouse-derived struvite in the production of environmentally sustainable cement and fire-resistant wooden structures**
Yetilmezsoy K., Dinç Şengönül B., İlhan F., Kıyan E., Yüzer N.
JOURNAL OF CLEANER PRODUCTION, vol.366, pp.1-18, 2022 (SCI-Expanded)
- XVI. **Modeling the flow rate of dry part in the wet gas mixture using decision tree/kernel/non-parametric regression-based soft-computing techniques**
Dayev Z., Shopanova G., Toksanbaeva B., Yetilmezsoy K., Sultanov N., Sihag P., Bahramian M., Kıyan E.
FLOW MEASUREMENT AND INSTRUMENTATION, vol.86, pp.1-14, 2022 (SCI-Expanded)
- XVII. **A Synergistic Assessment of Bio-kinetics and Life Cycle Environmental Impacts of Different Agricultural Biomass Sources in Turkey**
YETİLMEZSOY K., ÇETİNKAYA A. Y., Bilgili L.
Waste and Biomass Valorization, vol.13, no.5, pp.2651-2671, 2022 (SCI-Expanded)
- XVIII. **Closure to "Development of a New Practical Formula for Pipe-Sizing Problems within the Framework of a Hybrid Computational Strategy" by Kaan Yetilmezsoy, Majid Bahramian, Emel Kıyan, and Mojtaba Bahramian**
Yetilmezsoy K., Bahramian M., Kıyan E., Bahramian M.
Journal Of Irrigation And Drainage Engineering-Asce, vol.148, no.4, pp.1, 2022 (SCI-Expanded)
- XIX. **A comprehensive techno-economic analysis of income-generating sources on the conversion of real sheep slaughterhouse waste stream into valorized by-products**
Yetilmezsoy K., İlhan F., Kıyan E., Bahramian M.
Journal Of Environmental Management, vol.306, pp.1-15, 2022 (SCI-Expanded)
- XX. **Improved Methylene Blue Biosorption onto Green Algae: *Ulva Lactuca***
Turp S. M., Turp G. A., Ekinci N., Özdemir S., Yetilmezsoy K.
Fresenius Environmental Bulletin, vol.31, no.01A, pp.998-1009, 2022 (SCI-Expanded)
- XXI. **Wind power conversion system model identification using adaptive neuro-fuzzy inference systems: A case study**
Bilal B., Adjallah K. H., Sava A., Yetilmezsoy K., Kıyan E.
Energy, vol.239, no.B, pp.1-19, 2022 (SCI-Expanded)
- XXII. **A benchmark comparison and optimization of Gaussian process regression, support vector machines, and M5P tree model in approximation of the lateral confinement coefficient for CFRP-wrapped rectangular/square RC columns**
YETİLMEZSOY K., Sihag P., KIYAN E., DORAN B.
ENGINEERING STRUCTURES, vol.246, 2021 (SCI-Expanded)
- XXIII. **Accurate Perception of Rock Strata Movement for Environmental Protection in Coal Mining: Taking Thick and Hard Roof Cooperative Control as an Example**
Zhao T., Liu C., Yetilmezsoy K., Bahramian M., Gong P.
ADVANCES IN CIVIL ENGINEERING, vol.2021, pp.1-12, 2021 (SCI-Expanded)
- XXIV. **Black-, gray-, and white-box modeling of biogas production rate from a real-scale anaerobic sludge digestion system in a biological and advanced biological treatment plant**
Yetilmezsoy K., Karakaya K., Bahramian M., Abdul-Wahab S. A., Goncaloğlu B. İ.
Neural Computing and Applications, vol.33, no.17, pp.11043-11066, 2021 (SCI-Expanded)

- XXV. **A cartographic approach coupled with optimized sizing and management of an on-grid hybrid PV-solar-battery-group based on the state of the sky: An African case study**
Jedou E, Ndongo M, Ali M. M., Yetilmezsoy K, Bilal B, Ebeya C. C., Kébé C. M. F., Kiyani E, Bahramian M.
Solar Energy, vol.227, pp.101-115, 2021 (SCI-Expanded)
- XXVI. **Dynamic failure and stability model analysis of thick and hard rock with wedge-structure immediate roof occurrence**
Zhao T, Gong P, Yetilmezsoy K, Bahramian M, Liu C.
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- XXVII. **Designing bi-functional silver delafossite bridged graphene oxide interfaces: Insights into synthesis, characterization, photocatalysis, and bactericidal efficiency**
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Activities in Scientific Journals

Journal of Advances in Environmental Health Research, Committee Member, 2018 - Continues

Journal of Advanced Biotechnology and Bioengineering, Committee Member, 2018 - Continues

Fluid Mechanics Research International Journal, Assistant Editor/Section Editor, 2017 - Continues

Journal of Soft Computing in Civil Engineering, Committee Member, 2017 - Continues

Journal of Environmental Toxicology and Analytical Research (JETAR), Committee Member, 2017 - Continues

World Chemical Engineering Journal, Committee Member, 2015 - Continues

Computational and Mathematical Methods in Medicine, Committee Member, 2014 - Continues

International Journal of Fuzzy Systems and Advanced Applications, Assistant Editor/Section Editor, 2013 - Continues

Open Journal of Water Pollution and Treatment, Committee Member, 2013 - Continues
Journal of Environment and Human, Committee Member, 2013 - Continues
Neural Network World, Committee Member, 2013 - Continues
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International Journal of BioSciences and Technology (IJBST), Committee Member, 2013 - Continues
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Scientific Refereeing

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ENERGY & FUELS, SCI Journal, August 2019
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JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, Journal Indexed in SCI-E, August 2019
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ISPRS JOURNAL OF PHOTOGRAMMETRY AND REMOTE SENSING, SCI Journal, September 2007

ENVIRONMENTAL ENGINEERING SCIENCE, SCI Journal, June 2007

FRESENIUS ENVIRONMENTAL BULLETIN , SCI Journal, March 2007

Scientific Consultations

TÜBİTAK - 2219 YURT DIŐI DOKTORA SONRASI ARAŐTIRMA BURS PROGRAMI, Project Consultancy, Milli Savunma Üniversitesi, Naval Academy, Department Of Computer Engineering, Turkey, 2019 - 2019

TÜBİTAK - 2223 YURT İÇİ BİLİMSEL ETKİNLİKLERİ DESTEKLEME PROGRAMI, Project Consultancy, Yildiz Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering, Turkey, 2015 - 2015

Ermetal Otomotiv ve Eőya San. Tic. A.Ő. / Uludağ Üniversitesi TTO, Project Consultancy, Yildiz Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering, Turkey, 2015 - 2015

TÜBİTAK - 3001 BAŐLANGIÇ AR-GE PROJELERİ DESTEKLEME PROGRAMI, Project Consultancy, Yildiz Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering, Turkey, 2015 - 2015

Ermetal Otomotiv ve Eőya San. Tic. A.Ő. / Yıldız Teknik Üniversitesi TTO, Project Consultancy, Yildiz Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering, Turkey, 2014 - 2015

TÜBİTAK - 3001 BAŐLANGIÇ AR-GE PROJELERİ DESTEKLEME PROGRAMI, Project Consultancy, Yildiz Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering, Turkey, 2013 - 2013

TÜBİTAK - ÇAYDAG - ÇEVRE, ATMOSFER, YER VE DENİZ BİLİMLERİ ARAŐTIRMA DESTEK GRUBU, Project Consultancy, Yildiz Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering, Turkey, 2011 - 2011

Congress and Symposium Activities

IWES 2nd Waste Technologies Symposium and Exhibition, Invited Speaker, İstanbul, Turkey, 2010

TÜBİTAK ÇAYDAG - ÇEVRE, ATMOSFER, YER VE DENİZ BİLİMLERİ ARAŐTIRMA GRUBU, Panelists, Ankara, Turkey, 2010

TÜBİTAK ÇAYDAG - ÇEVRE, ATMOSFER, YER VE DENİZ BİLİMLERİ ARAŐTIRMA GRUBU, Panelists, Ankara, Turkey, 2009

Non Academic Experience

MİLLİ SAVUNMA ÜNİVERSİTESİ DENİZ HARP OKULU KOMUTANLIĐI
YEDİTEPE ÜNİVERSİTESİ