

Prof. Ekrem KALKAN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: W-5127-2017

ScopusID: 6603145994

Yoksis Researcher ID: 37622

Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Anabilim Dalı, Turkey 1997 - 2003

Postgraduate, Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Jeoloji Mühendisliği Anabilim Dalı, Turkey 1993 - 1997

Undergraduate, Selcuk University, Faculty Of Engineering-Architecture, Jeoloji Mühendisliği Bölümü, Turkey 1985 - 1990

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Oltu (Erzurum) killerinin bariyer olarak kullanımında geoteknik özelliklerinin iyileştirilmesi, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Anabilim Dalı, 2003

Postgraduate, Sivas Tersiyer Havzasının Kuzey Kenarının Çırcır Hamzaşeyh Köyleri (Sivas KB) arasındaki kesiminin jeolojik özellikleri, Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Jeoloji Mühendisliği Anabilim Dalı, 1997

Research Areas

Environmental Engineering, Environmental Sciences, Environmental Chemistry, Geological Engineering, Applied Geology, Environmental Geology and Geophysics, Engineering Geology foundations, earthquakes, dams, reservoirs, Civil Engineering, Geotechnical, Soil Mechanics, Ground Improvement, Engineering and Technology

Academic Titles / Tasks

Professor, Ataturk University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2020 - Continues

Professor, Ataturk University, Oltu Yer Bilimleri Fakültesi, Jeoloji Mühendisliği, 2014 - 2020

Associate Professor, Ataturk University, Oltu Yer Bilimleri Fakültesi, Jeoloji Mühendisliği, 2009 - 2014

Assistant Professor, Ataturk University, Oltu Meslek Yüksekokulu, İnşaat, 2004 - 2009

Expert, Ataturk University, Rektörlük, 1990 - 2004

Academic and Administrative Experience

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Ataturk University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2022 - Continues

Performans Değerlendirme Komisyonu Üyesi, Ataturk University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2022 - Continues

TEKNOKENTLE İLİŞKİLER KOMİSYONU, Ataturk University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2020 - Continues

KARİYER PLÂNLAMA KOMİSYONU, Ataturk University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2020 - Continues

SANAYİ İLE İLİŞKİLER KOMİSYONU, Ataturk University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2020 - Continues

Head of Department, Ataturk University, Fen Bilimleri Enstitüsü, Jeoloji Mühendisliği Anabilim Dalı, 2014 - Continues

AÖF Oltu Sınav Koordinatörü, Ataturk University, Açıköğretim Fakültesi, 2016 - 2021

Staj Başkanı, Ataturk University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2018 - 2020

Head of Department, Ataturk University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2017 - 2020

Head of Department, Ataturk University, Oltu Yer Bilimleri Fakültesi, Jeoloji Mühendisliği, 2017 - 2020

Fakülte Yönetim Kurulu Üyesi, Ataturk University, Oltu Beşeri ve Sosyal Bilimler Fakültesi, 2016 - 2020

Yeterlik Komitesi Başkanı, Ataturk University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2016 - 2020

University Executive Board Member, Ataturk University, 2016 - 2020

Dean, Ataturk University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2016 - 2020

Fakülte Kurulu Üyesi, Ataturk University, Oltu Beşeri ve Sosyal Bilimler Fakültesi, 2016 - 2020

ÖSYM Oltu Sınav Koordinatörü, Ataturk University, Oltu Yer Bilimleri Fakültesi, Jeoloji Mühendisliği, 2016 - 2020

Head of Department, Ataturk University, Oltu Yer Bilimleri Fakültesi, Jeoloji Mühendisliği, 2011 - 2020

Head of Department, Ataturk University, Oltu Yer Bilimleri Fakültesi, Jeoloji Mühendisliği, 2009 - 2020

Fakülte Yönetim Kurulu Üyesi, Ataturk University, Oltu Yer Bilimleri Fakültesi, Jeoloji Mühendisliği, 2009 - 2020

Fakülte Kurulu Üyesi, Ataturk University, Oltu Yer Bilimleri Fakültesi, Jeoloji Mühendisliği, 2009 - 2020

Atatürk Üniversitesi, Oltu Yer Bilimleri Fakültesi, 2009 - 2016

Atatürk Üniversitesi, Oltu Meslek Yüksekokulu, 2005 - 2012

Courses

Jeolojide Zemin ve Zemin Davranışları, Postgraduate, 2023 - 2024, 2022 - 2023, 2017 - 2018

Kayaç ve Mineral Kökenli Nanopartiküller, Postgraduate, 2023 - 2024, 2022 - 2023

İleri Mühendislik Jeolojisi, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Zemin İyileştirmede Nanomalzeme Uygulamaları, Postgraduate, 2022 - 2023

Kil Jeoekolojisi ve Kil Kullanım Alanları, Postgraduate, 2023 - 2024

İleri Çevre Jeolojisi, Postgraduate, 2022 - 2023, 2017 - 2018

Jeolojiye Giriş II, Undergraduate, 2021 - 2022, 2020 - 2021

Jeolojide Doğal Afetler, Doctorate, 2021 - 2022

Bitirme Projesi I, Undergraduate, 2021 - 2022, 2020 - 2021

Uzmanlık Alan Dersi (Doktora), Doctorate, 2021 - 2022, 2020 - 2021

Yer Bilimlerinde Nanoteknoloji, Doctorate, 2021 - 2022

Uzmanlık Alan Dersi (Yüksek Lisans), Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Bitirme Projesi II, Undergraduate, 2020 - 2021

DeneySEL Mühendislik Jeolojisi, Doctorate, 2021 - 2022

Danışmanlık, Doctorate, 2021 - 2022

Jeolojide Zemin ve Zemin Davranışları, Postgraduate, 2021 - 2022

Danışmanlık (Yüksek Lisans), Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Jeolojiye Giriş I, Undergraduate, 2021 - 2022, 2020 - 2021, 2009 - 2010

Jeolojide Zemin ve Zemin Davranışları, Postgraduate, 2020 - 2021

Doğal Afetler ve Yerbilimleri, Doctorate, 2016 - 2017

İleri Zemin Mekaniği, Postgraduate, 2016 - 2017

Zeminlerin Mühendislik Özellikleri, Postgraduate, 2015 - 2016
Nanojeoloji, Doctorate, 2015 - 2016
Kil Mineralojisi ve Kil Minerallerinin Endüstride Kullanımı, Postgraduate, 2015 - 2016
DeneySEL Mühendislik Jeolojisi, Doctorate, 2015 - 2016
Tıbbi Jeoloji, Doctorate, 2015 - 2016
Jeolojik Tasarım, Undergraduate, 2013 - 2014
Bilgisayar Destekli Jeolojik Tasarım, Undergraduate, 2013 - 2014
Jeolojide Malzeme Bilimi, Undergraduate, 2013 - 2014
Jeolojik Harita Yorumlama, Undergraduate, 2012 - 2013
Mühendislik Çizimi, Undergraduate, 2012 - 2013
Endüstriyel Mineraller ve Kayalar, Undergraduate, 2012 - 2013
Kürenin İç Yapısı ve Levha Tektoniği, Undergraduate, 2011 - 2012
Saha Jeolojisi, Undergraduate, 2011 - 2012
Yapısal Jeoloji ve Tektonik, Undergraduate, 2010 - 2011
Zemin Mekaniği, Associate Degree, 2008 - 2009
Yapı Statiği, Associate Degree, 2008 - 2009
Karayolu İnşaatı, Associate Degree, 2008 - 2009
Hidrolik ve Hidroloji, Associate Degree, 2007 - 2008
Büro ve Şantiye Organizasyonu, Associate Degree, 2007 - 2008
Betonarme, Associate Degree, 2007 - 2008
Malzeme Bilmi ve Yapı Malzemesi, Associate Degree, 2007 - 2008
Beton Teknolojisi, Associate Degree, 2007 - 2008
Yapı Teknolojisi, Associate Degree, 2007 - 2008
Yapı Mimarisi ve Detay Çizimleri, Associate Degree, 2006 - 2007

Advising Theses

Kalkan E., Büyükyazılı-Taşyazı (Delice-Kırıkkale) demir cevherleşmesinin jeolojik ve jeofizik yöntemlerle incelenmesi, Doctorate, A.ÖZDEMİR(Student), Continues
KALKAN E., Yüksek Sıcaklık Etkisi Altında İyidere Tüfünün Fiziksel ve Mekanik Özelliklerinde Meydana Gelen Değişimlerin Araştırılması, Postgraduate, H.GÜN(Student), Continues
Kalkan E., Nano karbon siyahı ile fonksiyonelleştirilmiş su bazlı sondaj çamurlarının reolojik ve fizikokimyasal performans değişimlerinin araştırılması, Postgraduate, M.YAVUZ(Student), 2023
Kalkan E., Menemen (İzmir) Maltepe köyü civarı atık depolama alanının jeolojik ve jeoteknik açıdan incelenmesi, Postgraduate, E.DÜĞENCİOĞLU(Student), 2022
Kalkan E., Tıbbi jeoloji amaçlı modifiye edilmiş Nano-Montmorillonit'in üst-gastrointestinal sistem hastalıklarına neden olan mikroorganizma üzerine etkisinin araştırması, Doctorate, S.KARIMDOUST(Student), 2022
Kalkan E., Aziziye (Erzurum) Bölgesinin Jeolojik ve Jeoteknik Özelliklerinin İncelenmesi, Postgraduate, E.TAVLAŞOĞLU(Student), 2022
Kalkan E., Çekmeköy İstasyonu (Üsküdar-Ümraniye Metrosu) Geçici İksa Projesinin Mühendislik Jeolojisi Açısından İncelenmesi, Postgraduate, G.AKSOY(Student), 2022
Kalkan E., Obsidiyen Malzemesinin Killi Zeminlerin Geoteknik Özelliklerinin İyileştirilmesinde Kullanılabilirliğinin Araştırılması, Postgraduate, H.OSMAN(Student), 2021
Kalkan E., İvme ölçer lokasyonlarına ait zemin dinamik özelliklerinin deprem kayıtları kullanılarak incelenmesi Elazığ (Türkiye) örneği, Postgraduate, A.MARAL(Student), 2020
Kalkan E., Şanlıurfa ilinin jeolojik ve morfolojik özelliklerinin coğrafi bilgi sistemleri (CBS) yardımıyla incelenmesi, Postgraduate, A.EKMEN(Student), 2019
Kalkan E., Yeraltı suyu çekilmesine bağlı arazi sübidansı değişiminin matlab kullanılarak araştırılması: Konya Ovası (Konya Kapalı Havzası) için modelleme ve tahmine dayalı bir vaka çalışması, Postgraduate, A.WEDAM(Student), 2019
Kalkan E., Nubya Çölü orta kesiminin (Kuzey Sudan) jeolojik özellikleri ve altın cevherleşmesi oluşma potansiyelinin

araştırılması, Postgraduate, F.ABDALLAH(Student), 2019

KALKAN E., Karabük Bölgesinin FR ve AHP Yöntemleri kullanılarak CBS tabanlı heyelan duyarlılık haritalarının üretilmesi. Atatürk Üniversitesi, Postgraduate, V.Emre(Student), 2018

Kalkan E., Köprüköy (Erzurum) termal çamur ve suyunun jeokimyasal özellikleri ve termal çamurda oluşan yosunun giderilmesinin araştırılması, Postgraduate, S.KILIÇ(Student), 2018

Kalkan E., Karabük bölgesinin FR ve AHP yöntemleri kullanılarak CBS tabanlı heyelan duyarlılık haritalarının üretilmesi, Postgraduate, V.EMRE(Student), 2018

KALKAN E., Pertek Jeotermal Alanının hidrojeokimyasal özelliklerinin incelenmesi, Postgraduate, A.AKKUŞ(Student), 2016

Jury Memberships

Post Graduate, Post Graduate, Atatürk Üniversitesi, January, 2023

Post Graduate, Post Graduate, Atatürk Üniversitesi, January, 2023

Post Graduate, Post Graduate, Atatürk Üniversitesi, September, 2022

Post Graduate, Post Graduate, Atatürk Üniversitesi, August, 2022

Doctorate, Doctorate, Atatürk Üniversitesi, August, 2022

Post Graduate, Post Graduate, Atatürk Üniversitesi, January, 2022

Post Graduate, Post Graduate, Atatürk Üniversitesi, January, 2022

Post Graduate, Post Graduate, Atatürk Üniversitesi, January, 2022

Post Graduate, Post Graduate, Atatürk Üniversitesi, December, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, December, 2021

Post Graduate, Post Graduate, Atatürk Üniversitesi, December, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, December, 2021

Associate Professor Exam, Associate Professor Exam, Boğaziçi Üniversitesi, August, 2021

Post Graduate, Post Graduate, Ağrı İbrahim Çeçen Üniversitesi, July, 2021

Post Graduate, Post Graduate, Atatürk Üniversitesi, June, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, June, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, June, 2021

Associate Professor Exam, Associate Professor Exam, Atatürk Üniversitesi, October, 2020

Associate Professor Exam, Associate Professor Exam, Atatürk Üniversitesi, October, 2020

Post Graduate, Post Graduate, Atatürk Üniversitesi, September, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, June, 2020

Doctorate, Doktora Tez Savunması, Karadeniz Teknik Üniversitesi, July, 2018

Post Graduate, Post Graduate, Atatürk Üniversitesi, March, 2018

Post Graduate, Tez Savunma Jürisi, Ağrı İbrahim Çeçen Üniversitesi, February, 2018

Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, February, 2018

Post Graduate, Yüksek Lisans Tez Savunması, Ağrı İbrahim Çeçen Üniversitesi, February, 2018

Post Graduate, Yüksek Lisans Tez Savunması, Yüzüncü Yıl Üniversitesi, July, 2015

Published journal articles indexed by SCI, SSCI, and AHCI

I. The First Report of Late Valanginian–Early Aptian (Early Cretaceous) Ammonites and Chemostratigraphy of Eastern Anatolian, Olur-Erzurum, Türkiye

Kaya Sarı M., KALKAN E., Raisossadat S. N.
Geological Journal, 2024 (SCI-Expanded)

II. Effects of quartzite on the freeze–thaw resistance of clayey soil material from Erzurum, NE Turkey

Kalkan E., Yarbaşı N., Bilici Ö., Karimdoust S.

BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.81, pp.1-9, 2022 (SCI-Expanded)

- III. **REMOVAL OF ALGAE FROM THERMAL MUD POOL: A CASE STUDY IN KOPRUKOY (ERZURUM, NORTHEAST (NE) TURKEY) THERMAL SPRING AREA**
Kilic S., Kalkan E., Nadaroğlu H.
BULLETIN OF THE CHEMICAL SOCIETY OF ETHIOPIA, vol.36, no.3, pp.545-553, 2022 (SCI-Expanded)
- IV. **Experimental Study on the Effect of Hemp Fiber on Mechanical Properties of Stabilized Clayey Soil**
KALKAN E., Kartal H. O., Kalkan O. F.
JOURNAL OF NATURAL FIBERS, vol.19, no.16, pp.14678-14693, 2022 (SCI-Expanded)
- V. **The destruction of Erzurum ski-jumping complex by a landslide: evaluation of an engineering design failure**
Çelik S., Ozyazicioglu M. H., Şahin R., Uysal H., Çakıcı F. Z., Kalkan E.
NATURAL HAZARDS, vol.107, no.1, pp.475-496, 2021 (SCI-Expanded)
- VI. **Adsorptive Removal of Acid Fuchsin Dye Using By-Product Silica Fume and Laccase-Modified Silica Fume**
Kalkan E., Nadaroğlu H.
Iranian Journal Of Chemistry & Chemical Engineering-International English Edition, vol.40, no.2, pp.551-564, 2021 (SCI-Expanded)
- VII. **Removal of copper from copper-contaminated river water and aqueous solutions using Methylobacterium extorquens modified Erzurum clayey soil**
ÇELEBİ N., NADAROĞLU H., KALKAN E., KOTAN R.
ARCHIVES OF ENVIRONMENTAL PROTECTION, vol.42, no.4, pp.58-69, 2016 (SCI-Expanded)
- VIII. **Fenton process-driven decolorization of Allura Red AC in wastewater using apolaccase-modified or native nanomagnetite immobilized on silica fume**
ALAYLI GÜNGÖR A., NADAROĞLU H., KALKAN E., ÇELEBİ N.
Desalination and Water Treatment, vol.57, no.34, pp.15889-15899, 2016 (SCI-Expanded)
- IX. **Changes in the chemical composition of an acidic soil treated with marble quarry and marble cutting wastes**
Tozsın G., ÖZTAŞ T., AROL A. İ., KALKAN E.
CHEMOSPHERE, vol.138, pp.664-667, 2015 (SCI-Expanded)
- X. **Equilibrium studies of copper ion adsorption onto modified kernel of date (Fructus dactylus)**
Nadaroğlu H., KALKAN E., Celik H.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.12, no.6, pp.2079-2090, 2015 (SCI-Expanded)
- XI. **Equilibrium Studies Of Copper Ion Adsorption onto Modified And Powdered Kernel of Date Fructus dactylus**
NADAROĞLU H., KALKAN E., ÇELİK H.
International Journal Of Environmental Science And Technology, vol.12, pp.2079-2090, 2015 (SCI-Expanded)
- XII. **Experimental Study to Remediate Acid Fuchsin Dye Using Laccase-Modified Zeolite from Aqueous Solutions**
KALKAN E., NADAROĞLU H., ÇELEBİ N., Celik H., Tasgin E.
POLISH JOURNAL OF ENVIRONMENTAL STUDIES, vol.24, no.1, pp.115-124, 2015 (SCI-Expanded)
- XIII. **The effects of marble wastes on soil properties and hazelnut yield**
Tozsın G., ÖZTAŞ T., AROL A. İ., KALKAN E., DUYAR O.
JOURNAL OF CLEANER PRODUCTION, vol.81, pp.146-149, 2014 (SCI-Expanded)
- XIV. **Removal of textile dye Reactive Black 5 from aqueous solution by adsorption on laccase-modified silica fume**
KALKAN E., NADAROĞLU H., ÇELEBİ N., Tozsın G.
DESALINATION AND WATER TREATMENT, vol.52, pp.6122-6134, 2014 (SCI-Expanded)
- XV. **Use of Silica Fume as Low-Cost Absorbent Material for Nickel Removal from Aqueous Solutions**
KALKAN E., NADAROĞLU H., ÇELEBİ N.

- ASIAN JOURNAL OF CHEMISTRY, vol.26, no.18, pp.6121-6126, 2014 (SCI-Expanded)
- XXVI. **Removal of copper from aqueous solution using activated silica fume with/without apocarbonic anhydrase**
NADAROĞLU H., KALKAN E.
INDIAN JOURNAL OF CHEMICAL TECHNOLOGY, vol.21, no.4, pp.249-256, 2014 (SCI-Expanded)
- XXVII. **REMOVAL OF COPPER FROM AQUEOUS SOLUTIONS BY USING MICRITIC LIMESTONE**
NADAROĞLU H., KALKAN E., ÇELEBİ N.
CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES, vol.9, no.1, pp.69-80, 2014 (SCI-Expanded)
- XXVIII. **Removal of copper from aqueous solutions by using Berriasiyen Aptian aged micritic limestone**
NADAROĞLU H., KALKAN E., ÇELEBİ N.
Carpathian Journal Of Earth And Environmental Sciences, vol.9, pp.69-80, 2014 (SCI-Expanded)
- XIX. **EQUILIBRIUM, KINETIC AND THERMODYNAMIC STUDIES ON ADSORPTION OF REACTIVE BLACK 5 DYE BY LACCASE MODIFIED-RED MUD FROM AQUEOUS SOLUTIONS**
Nadaroğlu H., KALKAN E., Çelebi N.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.23, no.1, pp.70-83, 2014 (SCI-Expanded)
- XX. **Use of Silica Fume as Low cost Absorbent Material for Nickel Removal from Aqueous Solutions 26 18 6121 6126 2014**
KALKAN E., NADAROĞLU H., ÇELEBİ N.
Asian Journal Of Chemistry, vol.26, pp.6121-6126, 2014 (SCI-Expanded)
- XXI. **Preparation of scrap tire rubber fiber-silica fume mixtures for modification of clayey soils**
Kalkan E.
APPLIED CLAY SCIENCE, pp.117-125, 2013 (SCI-Expanded)
- XXII. **Use of marble dust waste material for stabilization of compacted clayey soils**
KALKAN E., Yarbaşı N.
JOKULL, vol.63, no.5, pp.322-344, 2013 (SCI-Expanded)
- XXIII. **Use of marble dust waste material for stabilization of compacted clayey soils**
KALKAN E., Yarbaşı N.
JOKULL, vol.63, no.5, pp.322-344, 2013 (SCI-Expanded)
- XXIV. **The Evaluation of Affection of Methylobacterium extorquens - Modified Silica Fume for Adsorption Cadmium (II) Ions From Aqueous Solutions Affection**
NADAROĞLU H., ÇELEBİ N., KALKAN E., DİKBAŞ N.
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.19, no.3, pp.391-397, 2013 (SCI-Expanded)
- XXV. **Methylobacterium extorquens Modified Silica Fume for Adsorption of Cadmium Ions From Aqueous Solutions**
NADAROĞLU H., ÇELEBİ N., KALKAN E., DİKBAŞ N.
Kafkas Universitesi Veteriner Fakultesi Dergisi, vol.19, pp.391-397, 2013 (SCI-Expanded)
- XXVI. **Water Purification of textile dye Acid red 37 by adsorption on laccase modified silica fume**
NADAROĞLU H., ÇELEBİ N., KALKAN E., TOZSİN G.
Jokull, vol.63, pp.87-113, 2013 (SCI-Expanded)
- XXVII. **Bacteria-Modified Red Mud for Adsorption of Cadmium Ions from Aqueous Solutions**
KALKAN E., NADAROĞLU H., DİKBAŞ N., Tasgin E., ÇELEBİ N.
POLISH JOURNAL OF ENVIRONMENTAL STUDIES, vol.22, no.2, pp.417-429, 2013 (SCI-Expanded)
- XXVIII. **Experimental study on the nickel (II) removal from aqueous solutions using silica fume with/without apocarbonic anhydrase**
KALKAN E., NADAROĞLU H., DEMİR N.
DESALINATION AND WATER TREATMENT, vol.44, pp.180-189, 2012 (SCI-Expanded)
- XXIX. **Evaluation of Turkish black amber: a case study of the Oltu (Erzurum), NE Turkey**
KALKAN E., Bilici Ö., Kolaylı H.
INTERNATIONAL JOURNAL OF PHYSICAL SCIENCES, vol.7, no.15, pp.2387-2397, 2012 (SCI-Expanded)
- XXX. **Evaluation of Turkish black amber: a case study of the Oltu (Erzurum), NE Turkey**
KALKAN E., Bilici Ö., Kolaylı H.

- INTERNATIONAL JOURNAL OF PHYSICAL SCIENCES, vol.7, no.15, pp.2387-2397, 2012 (SCI-Expanded)
- XXXI. **Evaluation of Turkish black amber A case study of Oltu Erzurum NE Turkey**
KALKAN E., BİLİCİ Ö., KOLAYLI H.
International Journal Of Physical Sciences, vol.7, pp.2387-2397, 2012 (SCI-Expanded)
- XXXII. **Effects of waste material-lime additive mixtures on mechanical properties of granular soils**
Kalkan E.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.71, no.1, pp.99-103, 2012 (SCI-Expanded)
- XXXIII. **REMOVAL OF As (III) FROM WASTEWATER USING ERZURUM CLAY SOIL**
ÇELEBİ N., NADAROĞLU H., KALKAN E.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.21, pp.1982-1991, 2012 (SCI-Expanded)
- XXXIV. **Removal of cobalt II ions from aqueous solution by using alternative adsorbent industrial red mud waste material**
NADAROĞLU H., KALKAN E.
International Journal Of Physical Sciences, vol.7, pp.1386-1394, 2012 (SCI-Expanded)
- XXXV. **Impact of wetting-drying cycles on swelling behavior of clayey soils modified by silica fume**
Kalkan E.
APPLIED CLAY SCIENCE, vol.52, no.4, pp.345-352, 2011 (SCI-Expanded)
- XXXVI. **Removal of copper from aqueous solution using red mud**
NADAROĞLU H., KALKAN E., Demir N.
DESALINATION, vol.251, pp.90-95, 2010 (SCI-Expanded)
- XXXVII. **Removal of copper from aqueous solution using red mud 2010**
NADAROĞLU H., KALKAN E., DEMİR N.
Desalination, vol.251, pp.90-95, 2010 (SCI-Expanded)
- XXXVIII. **Prediction of the unconfined compressive strength of compacted granular soils by using inference systems**
KALKAN E., Akbulut S., TORTUM A., Celik S.
ENVIRONMENTAL GEOLOGY, vol.58, no.7, pp.1429-1440, 2009 (SCI-Expanded)
- XXXIX. **Effects of silica fume on the geotechnical properties of fine-grained soils exposed to freeze and thaw**
Kalkan E.
COLD REGIONS SCIENCE AND TECHNOLOGY, vol.58, no.3, pp.130-135, 2009 (SCI-Expanded)
- XL. **Geotechnical mapping for alluvial fan deposits controlled by active faults: a case study in the Erzurum, NE Turkey**
Yarbaşı N., KALKAN E.
ENVIRONMENTAL GEOLOGY, vol.58, no.4, pp.701-714, 2009 (SCI-Expanded)
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- LIV. Thermal Mud Characteristics of Geo Materials Koprükoy Erzurum NE Turkey**
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- LVII. ALPİN TİP PERİDOTİTLERDE KROM SPİNEL KRİSTAL KİMYASI VE PETROJENETİK ÖNEMİNE BİR ÖRNEK KD TÜRKİYE**
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- KALKAN E., NADAROĞLU H., KILIÇ S., ADIGÜZEL A., Project Supported by Higher Education Institutions, Termal Çamurda Oluşan Yosunun Giderilmesi2, 2021 - 2023
- YARBAŞI N., KALKAN E., AĞIRMAN AKTÜRK E., Project Supported by Higher Education Institutions, Killi Zeminlerin Mühendislik Özelliklerinin Atık veya Artık Malzemelerle İyileştirilmesi, 2021 - 2021
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- Tozsın G., Kalkan E., Öztaş T., TUBITAK Project, Terkedilmiş Maden Alanları için Uzaktan Algılamaya Dayalı Toprak Haritalarının Oluşturulması ve Toprak Rehabilitasyonu Alternatiflerinin Değerlendirilmesi, 2015 - 2018
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- KALKAN E., Project Supported by Higher Education Institutions, BİLGİSAYAR LABORATUARI KURULMASI VE JEOLJİK VERİLERİN BİLGİSAYAR ORTAMINDA DEĞERLENDİRİLMESİ, 2012 - 2013
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- KALKAN E., Project Supported by Higher Education Institutions, JEOKİMYA LABORATUARI KURULMASI,, 2010 - 2011

Activities in Scientific Journals

- International Journal of Earth Sciences Knowledge and Applications, First Editor, 2019 - Continues
- Journal of Nature, Science & Technology (JANSET), Publication Committee Member, 2019 - Continues
- International Journal of Earth Science and Geology, Editor, 2018 - Continues
- International Journal of Innovative Research and Reviews, Committee Member, 2017 - Continues

Memberships / Tasks in Scientific Organizations

- Türkiye Jeoloji Mühendisleri Odası, Member, 1990 - Continues, Turkey

Scientific Refereeing

- JOURNAL OF MATERIALS IN CIVIL ENGINEERING, SCI Journal, January 2024
- WATER (SWITZERLAND), SCI Journal, December 2023
- Journal Of Civil Engineering Beyond Limits , Other Indexed Journal, December 2023

ENVIRONMENTAL EARTH SCIENCES, SCI Journal, November 2023
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GEOTECHNICAL AND GEOLOGICAL ENGINEERING AN INTERNATIONAL JOURNAL, Journal Indexed in ESCI, May 2023
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Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, December 2021
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Tasks In Event Organizations

Sağlam H. K., Kalkan E., Bozkurt E., Gürses A., ÇOBAN Ö., World Congress on Applied Nanotechnology (W-CAN 2021), Scientific Congress, Turkey, Kasım 2021
Kalkan E., PACE-2021 International Congress on the Phenomenological Aspects of Civil Engineering, Scientific Congress, Erzurum, Turkey, Haziran 2021
Şenocak S., Kalkan E., PACE-2021 International Congress on the Phenomenological Aspects of Civil Engineering, Scientific Congress, Turkey, Haziran 2021

Metrics

Publication: 179
Citation (WoS): 1369
Citation (Scopus): 1635
H-Index (WoS): 16
H-Index (Scopus): 16

Congress and Symposium Activities

4. Geriatri ve Jeotermal Kaynaklar Sempozyumu, Invited Speaker, Muğla, Turkey, 2022
World Congress on Applied Nanotechnology (W-CAN), Attendee, Erzurum, Turkey, 2021
The International Congress on Phenomenological Aspects in Civil Engineering (PACE 2021) , Moderator, Erzurum, Turkey, 2021
73. Türkiye Jeoloji Kurultayı, Attendee, Ankara, Turkey, 2021
6. International Conference Nanotechnologies and Nanomaterials (NANO-2018), Attendee, Kyiv, Ukraine, 2018
International Conference and Expo on Separation Techniques, Attendee, Valencia, Spain, 2016
4. International ISEKI_Food Conference, Attendee, Vienna, Austria, 2016
International Conference on the Colloquium Spectroscopicum Internationale XXXIX, Attendee, Coimbra, Portugal, 2015
9. International Conference on the Occurrence, Properties, and Utilization of Natural Zeolites - Zeolite 2014, Attendee, Belgrade, Serbia And Montenegro, 2014
International Conference on Environmental Science and Technology (ICOEST Cappadocia 2013), Attendee, Nevşehir, Turkey, 2013
6. International Conference on Water Resources and Environment Research (ICWRER 2013), Attendee, Koblenz, Germany, 2013
10. International Congress on Advances in Civil Engineering, Attendee, Ankara, Turkey, 2012

4. EuCheMS Chemistry Congress, Attendee, Praha, Czech Republic, 2012

45. Yıl Jeoloji Sempozyumu, Attendee, Trabzon, Turkey, 2010

Erdoğan Yüzer Mühendislik Jeolojisi Sempozyumu, Attendee, İstanbul, Turkey, 2007

Representation and Promotion Activities

Institutional Representation, Erzurum İl Afet ve Acil Durum Müdürlüğü, Turkey, Erzurum, 2021 - 2021

Non Academic Experience

Atatürk Üniversitesi, Oltu Meslek Yüksekokulu

Atatürk Üniversitesi, Deprem Araştırma Merkezi