

Prof. Emel AKYOL

Personal Information

Web: <https://avesis.yildiz.edu.tr/eakyol>

International Researcher IDs

ScholarID: 1v-3qkgAAAAJ

ORCID: 0000-0002-3341-4731

ScopusID: 12767193500

Yoksis Researcher ID: 9287

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, KALSİYUM OKSALAT KRİSTALİZASYONUNA BLOK KOPOLİMERLERİN ETKİSİ, Yıldız Teknik Üniversitesi, Kimya Mühendisliği, Kimya Mühendisliği, 2006

Postgraduate, Polimerik Katkı Maddelerinin Kalsiyum Sülfat Kristalizasyonuna Etkisi, Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi/Kimya Mühendisliği, Kimya Mühendisliği, 2000

Research Areas

Chemical Engineering and Technology, Engineering and Technology

Academic and Administrative Experience

Bölüm Stratejik Plan Komisyonu Üyesi, Yıldız Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Department of Chemical Engineering, 2009 - 2012

Yıldız Teknik Üniversitesi, 2009 - 2012

Courses

Design of Process Units, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Ayrırma İşlemleri, Undergraduate, 2023 - 2024, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Chemical Engineering Thermodynamics 1, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Bitirme Çalışması, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008

İstatistiksel Yöntemlerle Modelleme, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

Chemical Engineering Laboratory I, Undergraduate, 2019 - 2020

Chemical Engineering Thermodynamics 2, Undergraduate, 2020 - 2021

Technical Communication, Undergraduate, 2020 - 2021, 2019 - 2020

Energy Conservation, Undergraduate, 2020 - 2021, 2019 - 2020
Mass Transfer Gr.3, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019
Malzeme Termodinamiği, Undergraduate, 2019 - 2020
Yeşil Kimya Mühendisliği, Postgraduate, 2019 - 2020
Fluid Mechanics in Chemical Engineering, Undergraduate, 2018 - 2019
Kimya Mühendisliği Termodinamiği, Undergraduate, 2017 - 2018
Kimya Mühendisliği Uygulamaları, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008
Isı ve Kütle Transferi, Undergraduate, 2015 - 2016
Teknik İletişim, Undergraduate, 2016 - 2017
Endüstriyel Kristalizasyon, Postgraduate, 2016 - 2017
Mesleki Terminoloji II , Undergraduate, 2013 - 2014
Malzeme, Undergraduate, 2012 - 2013
Yeşil Kimya Mühendisliği , Postgraduate, 2012 - 2013
Özel Ayırma Prosesleri , Postgraduate, 2011 - 2012

Advising Theses

Akyol E., GIDA TAKVİYELERİNDE BULUNAN FLANOVOİDLERİN BELİRLENMESİ İÇİN ANALİTİK METOT GELİŞTİRİLMESİ, Postgraduate, Ö.DÜZGÜN(Student), Continues
Akyol E., Flavonoidlerce Zengin Bitkilerin Covid 19 Pandemisine Karşı Araştırılması ve Gıda Takviyesi Olarak Üretimi, Doctorate, S.Şimşek(Student), Continues
Akyol E., FLAVONOİD EKSTRAKSİYONUNDA VERİMİN ARTTIRILMASI VE KOŞULLARIN ETKİSİNİN İNCELENMESİ, Postgraduate, S.EMANET(Student), Continues
Akyol E., TÜRKİYEDE İLAÇ STANDARTLARI VE DİĞER ULKELELERLE KARŞILAŞTIRILMASI, Postgraduate, Ö.Aydemir(Student), Continues
Akyol E., Alzaymır Tedavisine Yönelik Transdermal Yamaların Geliştirilmesi ve Penetrasyon Özelliklerinin İyileştirilmesi, Doctorate, H.Mutlu(Student), Continues
Akyol E., TERMOPLASTİK POLİÜRETAN MODİFİKASYONUNUN, 3D BASKI İLE ÜRETİLEN POLİLAKTİK ASİT ESASLI MİKROİĞNE YAMALARI ÜZERİNDEKİ YAPISAL ÖZELLİKLERİNİN VE PERFORMANS ETKİLERİNİN İNCELENMESİ, Postgraduate, S.Yılmaz(Student), Continues
Akyol E., Şenol Ş., İLAÇ ÜRETİMİNDE İSTATİSTİKSEL YAKLAŞIMLARIN ÖNEMİ, Postgraduate, A.Demir(Student), Continues
Akyol E., NİŞASTA ESASLI BİYO-POLİMER ELDESİ, KARIŞIMLARI VE KOMPOZİTLERİNİN GELİŞTİRİLMESİ VE KARAKTERİZASYONU, Doctorate, S.Murat(Student), 2024
Küçük İ., Akyol E., Doğal bileşenler içeren biyopolimerik lif transdermal yamaların hazırlanması karakterizasyonu ve yama bileşiminin donepezil HCl salınımına etkisi, Postgraduate, D.Ekşi(Student), 2024
Küçük İ., Akyol E., Ketiapin fumarat içeren polisakkarit esaslı oral filmlerin hazırlanması ve karakterizasyonu, Postgraduate, M.YAMAN(Student), 2024
Akyol E., Kristalizasyon Engelleyici Olarak Biyopolimerlerin Test Edilmesi, Postgraduate, S.Öztürk(Student), 2024
Akyol E., IN VİTRO OLARAK DOĞAL YAĞLARIN MADECASSOSİDE AKTİF BİLEŞENİNİN PENETRASYONUNA ETKİSİNİN İNCELENMESİ, Postgraduate, G.Uysal(Student), 2024
Akyol E., Inhibition of Calcium Oxalate Crystals Growth by Polymeric Additives, Postgraduate, .SADEQ(Student), 2023
Akyol E., Dalkılıç A. S., Katkı Maddesi Varlığında Nano Titanyum Dioksit Eldesi Ve Nanoakışkan Olarak Kullanımının İncelenmesi, Postgraduate, R.ARSLAN(Student), 2022
Akyol E., Investigation of Plasticizer in Transdermal Patches, Postgraduate, Y.Acar(Student), 2021
Akyol E., TİTANYUM DİOKSİT NANOKOMPOZİTLERİNİN SENTEZİ VE FOTOKATALİTİK ÖZELLİKLERİNİN İNCELENMESİ, Postgraduate, G.Tonbul(Student), 2020
Akyol E., Farklı Özelliklerde Hidroksiapatit Kullanarak Donepezil Hidroklorid Etkin Maddesinin Salım Kinetiğinin İncelenmesi, Postgraduate, Y.BAHAR(Student), 2019

Akyol E., DETERMINATION OF DYESTUFFS USED IN MANUSCRIPTS AND INVESTIGATION OF THE EFFECTS ON AGEING KINETICS OF PAPER, Doctorate, P.Çakar(Student), 2019

Akyol E., Taşıyıcı Sistemin Özelliklerinin İlaç Salınımına Etkisinin İncelenmesi, Doctorate, Ş.Şenol(Student), 2018

Akyol E., BaSO₄ Kiristallerinin Boyut ve Morfolojisine Katkı Maddelerinin Etkisinin İncelenmesi, Postgraduate, E.OYMAN(Student), 2017

Akyol E., Nano Boyutta TiO₂ Üretimi ve Çeşitli Katkı Maddelerinin Yüzey Modifikasyonuna Etkisi, Postgraduate, H.BAYRAKTAR(Student), 2017

Akyol E., METAL VE KAUKUK BİLEŞENLİ MALZEMELERİN YAPIŞMA PERFORMANSINI ETKİLEYEN PARAMETRELERİN İNCELENMESİ, Postgraduate, M.BAYRAM(Student), 2015

Akyol E., Göktürk S., THİRAM'IN YÜZEY AKTİF MADDE MİSELLERİYLE ÇÖZÜNDÜRÜLMESİ VE MİSEL İÇEREN ORTAMLARDA ADSORBANLAR İLE ETKİLEŞİMLERİNİN İNCELENMESİ, Doctorate, H.BİLGİÇ(Student), 2015

Akyol E., Sol -Jel Yöntemi ile Polimer /Silika Nanokompozit Malzeme Sentezi, Postgraduate, E.CAN(Student), 2015

Akyol E., Nano Boyutta BaSO₄ Kiristallerinin Üretiminde Deneysel Parametrelerinin İncelenmesi, Postgraduate, M.ALPER(Student), 2015

Akyol E., The effect of Sb₂O₃/DBDPE ratio on the flame retardancy and physico-mechanical properties of EPDM elastomer, Postgraduate, Ş.ÇAVUŞOĞLU(Student), 2014

Akyol E., In Vitro Koşullarda Kalsiyum Oksalat Monohidrat Kristal Büyümesine Doğal Katkı Maddelerinin Etkisinin İncelenmesi, Postgraduate, M.ŞENOL(Student), 2012

Akyol E., İlaç Taşıyıcısı Olarak Gözenekli Hidroksiapatit (HAP) Kullanımının İncelenmesi, Postgraduate, H.Merve(Student), 2012

AKYOL E., Tezhipli Elyazması Eserlerde Bakır ve Diğer Elementlerin Pigmentler Üzerine Etkisinin İncelenmesi, Postgraduate, P.Çakar(Student), 2011

AKYOL E., Kalsiyum Oksalat Kristalizasyonuna Doğal ve Sentetik Katkı Maddelerinin Etkilerinin İncelenmesi, Postgraduate, K.Ongun(Student), 2011

AKYOL E., In Situ Polimerizasyonu ile Yağ Bazlı Polimer/Organokil Nanokompozit Sentezi ve Karakterizasyonu, Postgraduate, Y.Bayram(Student), 2011

Akyol E., Baryum Sülfat Kristalizasyonuna Polielektrolitlerin Etkisi, Postgraduate, Ö.Aras(Student), 2011

Jury Memberships

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, February, 2021

Doctoral Examination, Doctoral Examination, İstanbul Üniversitesi-Cerrahpaşa, July, 2020

Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, June, 2020

Post Graduate, Post Graduate, Marmara Üniversitesi, January, 2020

Doctoral Examination, Doctoral Examination, İstanbul Üniversitesi-Cerrahpaşa, December, 2019

Post Graduate, Post Graduate, İstanbul Üniversitesi-Cerrahpaşa, November, 2019

Doctorate, Doctorate, Yıldız Teknik Üniversitesi, July, 2019

Post Graduate, Post Graduate, İstanbul Üniversitesi-Cerrahpaşa, June, 2019

Post Graduate, Elif Tezel Tez Savunma, Yıldız Teknik Üniversitesi, May, 2019

Doctoral Examination, Didem Yüceşen Serbest, İstanbul Üniversitesi -Cerrahpaşa , May, 2019

Post Graduate, Begüm Barda tez savunma, Yıldız Teknik Üniversitesi, May, 2019

Post Graduate, Ahmet Murat Erayvaz_tez savunma, Yıldız Teknik Üniversitesi, May, 2019

Post Graduate, Fatmagül Şahin Yüksek Lisans Tez Savunması, Yıldız Teknik Üniversitesi, January, 2019

Doctoral Examination, Feride Naime Türk Doktora Yeterlilik Sınavı, İstanbul Üniversitesi -Cerrahpaşa , December, 2018

Doctoral Examination, Tuğçe Unutkan doktora yeterlilik sözlü sınavı, Yıldız Teknik Üniversitesi, November, 2018

Doctoral Examination, Murat Alper Cedimağar Doktora Yeterlilik Sözlü Sınav, Yıldız Teknik Üniversitesi, November, 2018

Post Graduate, Ali Osman Erdoğan yüksek lisans tez savunması, Yıldız Teknik Üniversitesi, November, 2018

Doctoral Examination, Hakan Serbest Doktora Yeterlilik Sözlü Sınav, Yıldız Teknik Üniversitesi, November, 2018

Post Graduate, Begüm BARDA Yüksek Lisans Tez Savunması, Yıldız Teknik Üniversitesi, June, 2018

Post Graduate, Merve PEHLİVAN Yüksek Lisans Tez Savunması, Yıldız Teknik Üniversitesi, June, 2018

Doctoral Examination, Doktora Yeterlilik Sözlü Jürisi, Yıldız Teknik Üniversitesi, April, 2018
Post Graduate, Ebru Baycan tez savunma, Yıldız Teknik Üniversitesi, July, 2017
Doctoral Examination, Bilal Öztürk Doktora Yeterlilik Sınavı, Yıldız Teknik Üniversitesi, March, 2017
Post Graduate, Ayben Asena Çöl tez savunma, Yıldız Teknik Üniversitesi, August, 2016
Post Graduate, Tülay Merve Temel Tez Savunma, Yıldız Teknik Üniversitesi, April, 2016
Post Graduate, Çağla Çıbuk tez savunma, Yıldız Teknik Üniversitesi, April, 2016
Post Graduate, Tolga Yardım TezSavunma, Yıldız Teknik Üniversitesi, April, 2016
Post Graduate, Çağla Çıbuk Yüksek Lisans Tez Savunması, Yıldız Teknik Üniversitesi, March, 2016
Post Graduate, Tolga Yardım Yüksek Lisans Tez Savunması, Yıldız Teknik Üniversitesi, March, 2016
Doctoral Examination, Büşra Bodur Doktora Yeterlilik Sınavı, Yıldız Teknik Üniversitesi, October, 2015
Post Graduate, Fatma Berna İlhan Yüksek Lisans Tez Savunması, Yıldız Teknik Üniversitesi, September, 2015
Post Graduate, Bülent Eraykutlu tez savunma, Yıldız Teknik Üniversitesi, March, 2013
Post Graduate, Müge Ekmen tez savunma, Yıldız Teknik Üniversitesi, June, 2009
Post Graduate, Parahat Atayev tez savunma, Yıldız Teknik Üniversitesi, June, 2008

Designed Lessons

Akyol E., İstatistiksel Yöntemlerle Modelleme, Postgraduate, 2013 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Controlling Calcium Oxalate Crystal Growth Using Pectin and Sodium Alginate Natural Polymers**
Al-Dubai A., Akyol E.
Chemical Engineering and Technology, vol.47, no.10, 2024 (SCI-Expanded)
- II. **Investigation of the usage of nano-Titanium dioxide Produced with Polyethylene glycol and Alginate additives as nanofluid Polietilen glikol ve Alginat katkıları ile üretilen nano Titanyum dioksitin nanoakışkan olarak kullanımının incelenmesi**
Arslan R., Akyol E., Dalkılıç A. S.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.40, no.1, pp.331-341, 2024 (SCI-Expanded)
- III. **Dyes Used for Colouring Manuscripts and Their Effect on Cellulose Degradation**
Akyol E., Sevim P. Ç.
RESTAURATOR, vol.44, no.4, pp.345-360, 2023 (SSCI)
- IV. **In-vitro Evaluation of Co-Excipients for Release of Donepezil Hydrochloride from Carbopol 974 P Based Tablets**
Şenol Ş., Akyol E.
REVUE ROUMAINE DE CHIMIE, vol.67, no.10-12, pp.515-523, 2022 (SCI-Expanded)
- V. **The Effects of Natural Dye and Iron Gall Ink on Degradation Kinetics of Cellulose by Accelerated Ageing**
Cakar P., Akyol E.
STUDIES IN CONSERVATION, vol.67, no.6, pp.381-388, 2022 (SCI-Expanded)
- VI. **Thermophysical Properties of Nanofluids**
Arslan R., Ozdemir V. A., AKYOL E., DALKILIÇ A. S., Wongwises S.
CURRENT NANOSCIENCE, vol.17, no.5, pp.694-727, 2021 (SCI-Expanded)
- VII. **The Role of Additives on the Barium Sulphate Crystallization**
Oyman E., Akyol E.
Journal Of The Indian Chemical Society, vol.97, pp.2017-2021, 2020 (SCI-Expanded)
- VIII. **Production of Novel Composite Films Based on PVA-Biosilica**
Kılıç E. C., Akyol E., Karakuzu-İkizler B., Özarslan A. C., Özel C., Yücel S.

JOURNAL OF THE INDIAN CHEMICAL SOCIETY, vol.97, no.10c, pp.2092-2096, 2020 (SCI-Expanded)

- IX. **Preparation and characterization of pH-sensitive hydrogels from photo-crosslinked poly(ethylene glycol) diacrylate incorporating titanium dioxide**
Senol S., Akyol E.
MATERIALS SCIENCE-POLAND, vol.38, no.3, pp.443-449, 2020 (SCI-Expanded)
- X. **Effect of sonication on the synthesis of exfoliated polymer clay nanocomposites**
Erciyes A. T., Bayram Y., Akyol E.
JOURNAL OF THE INDIAN CHEMICAL SOCIETY, vol.96, pp.1181-1187, 2019 (SCI-Expanded)
- XI. **Synthesis and characterization of hydrogels based on poly(2-hydroxyethyl methacrylate) for drug delivery under UV irradiation**
Senol S., Akyol E.
JOURNAL OF MATERIALS SCIENCE, vol.53, no.21, pp.14953-14963, 2018 (SCI-Expanded)
- XII. **Controlled release of donepezil hydrochloride from the ternary sodium alginate based hydrogels**
Akyol E., Şenol Ş., Doğan Ö.
BULGARIAN CHEMICAL COMMUNICATIONS, vol.49, pp.57-63, 2017 (SCI-Expanded)
- XIII. **Effect of conductive copolymers on scale formation of gypsum**
Dogan O., Erdemir C. S., Akyol E., Kirboga S., Öner M.
PURE AND APPLIED CHEMISTRY, vol.89, pp.153-159, 2017 (SCI-Expanded)
- XIV. **Size and morphology controlled synthesis of barium sulfate**
Akyol E., Cedimagar M. A.
CRYSTAL RESEARCH AND TECHNOLOGY, vol.51, pp.393-399, 2016 (SCI-Expanded)
- XV. **Solubilization and Interactions of Thiram with Surfactants: Micellar Effects on Adsorption Characteristics of Thiram onto Activated Carbon**
Bilgic H., Göktürk S., Akyol E.
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, vol.36, pp.1086-1096, 2015 (SCI-Expanded)
- XVI. **Control of barium sulfate crystallization in the presence of additives**
Akyol E., Aras O., Öner M.
DESALINATION AND WATER TREATMENT, vol.52, pp.5965-5973, 2014 (SCI-Expanded)
- XVII. **The effect of ultrasonication on calcium carbonate crystallization in the presence of biopolymer**
Kirboga S., Öner M., Akyol E.
JOURNAL OF CRYSTAL GROWTH, vol.401, pp.266-270, 2014 (SCI-Expanded)
- XVIII. **Controlling of morphology and polymorph of calcium oxalate crystals by using polyelectrolytes**
Akyol E., Öner M.
JOURNAL OF CRYSTAL GROWTH, vol.401, pp.260-265, 2014 (SCI-Expanded)
- XIX. **Systematic Structural Determinants of the Effects of Tetraphosphonates on Gypsum Crystallization**
Akyol E., Öner M., Barouda E., Demadis K. D.
CRYSTAL GROWTH & DESIGN, vol.9, no.12, pp.5145-5154, 2009 (SCI-Expanded)
- XX. **Inhibition of calcium oxalate monohydrate crystal growth using polyelectrolytes**
Akyol E., Oner M.
JOURNAL OF CRYSTAL GROWTH, vol.307, pp.137-144, 2007 (SCI-Expanded)
- XXI. **The effects of polyelectrolytes on the inhibition and aggregation of calcium oxalate crystallization**
Akyol E., Bozkurt A., Oner M.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.17, pp.58-65, 2006 (SCI-Expanded)
- XXII. **Polyelectrolytes inhibition effect on crystallization of gypsum**
Dogan O., Akyol E., Oner M.
CRYSTAL RESEARCH AND TECHNOLOGY, vol.39, no.12, pp.1108-1114, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **Development of transdermal cellulose-based patches for Alzheimer's treatment and investigation of**

penetration behavior

Mutlu H., Akyol E.

BULGARIAN CHEMICAL COMMUNICATIONS, vol.56, no.3, pp.342-347, 2024 (Scopus)

- II. **Evaluating the efficacy of cherry stem extracts against calcium oxalate monohydrate crystallization in kidney stone treatment**
Akyol E., Danışman M.
BULGARIAN CHEMICAL COMMUNICATIONS, vol.56, no.3, pp.282-287, 2024 (Scopus)
- III. **An overview on current trends and future outlook of hydrogels in drug delivery**
Hamidi E., Alhaloush R., Şenol Ş., AKYOL E.
Sigma Journal of Engineering and Natural Sciences, vol.41, no.5, pp.1047-1061, 2023 (ESCI)
- IV. **Recent advances in health biotechnology during pandemic**
Arı Yuka S., Akpek A., Özarslan A., Vural A., Koçer A. T., Aslan A., Karaaltın A. B., Gök B., Yılmaz B. B., İnan B., et al.
Sigma Journal of Engineering and Natural Sciences, vol.41, no.3, pp.625-655, 2023 (ESCI)
- V. **Polysaccharide-based films for transdermal drug delivery systems**
Ekşi D., AKYOL E., KÜÇÜK İ.
Bulgarian Chemical Communications, vol.55, no.3, pp.289-294, 2023 (Scopus)
- VI. **Polyacrylic acid and polyacrylic acid sodium salt as inhibitors of calcium oxalate crystal formation**
Al-Dubai A., Akyol E.
Bulgarian Chemical Communications, vol.55, no.3, pp.278-282, 2023 (Scopus)
- VII. **Synthesis and Characterization of Donepezil HCL Tablets for Drug Delivery**
Üst Y. B., Şenol Ş., Akyol E.
Journal of Current Research on Engineering, Science and Technology, vol.7, pp.63-74, 2021 (Peer-Reviewed Journal)
- VIII. **Preparation of Photopolymerizable HEMA/PEG-DA Based Hydrogels Filled with Low Concentrations of Nanoparticle Titanium Dioxide for Release Of Donepezil HCl**
Şenol Ş., Akyol E.
El-Cezeri Journal of Science and Engineering, vol.8, no.2, pp.887-896, 2021 (Scopus)
- IX. **PREPARATION OF TRANSDERMAL FILMS FOR CONTROLLED RELEASE OF DONEPEZIL HCL**
Acar Y., Akyol E.
The Online Journal of Science and Technology, vol.11, no.1, pp.31-36, 2021 (Peer-Reviewed Journal)
- X. **Investigation of photocatalytic degradation of methylene blue by titanium dioxide composites**
AKYOL E., Tonbul G.
Bulgarian Chemical Communications, vol.53, no.4, pp.453-455, 2021 (Scopus)
- XI. **The Molecular Weight Effects of Polyethylene Glycol (PEG) on the Precipitation of Barium Sulphate**
Akyol E.
Journal of Current Researches on Engineering, Science and Technology (JoCREST), vol.6, no.2, pp.61-68, 2020 (Peer-Reviewed Journal)
- XII. **Study on the preparation and drug release property of Modified PEG-DA based hydrogels**
Senol S., Akyol E.
JOURNAL OF THE TURKISH CHEMICAL SOCIETY, SECTION A: CHEMISTRY, vol.6, pp.1-14, 2019 (Scopus)
- XIII. **Controlled release of donepezil hydrochloride from PEG-DA hydrogels**
Senol S., Akyol E.
Bulgarian Chemical Communications, vol.50, pp.12-17, 2018 (Scopus)
- XIV. **Investigation of the Effect of Dandelion Plant Taraxacum Officinale on Calcium Oxalate Monohydrate Crystal Growth**
Akyol E.
İğdir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.6, pp.97, 2016 (Peer-Reviewed Journal)
- XV. **Controlling of Calcium Oxalate Crystallization by Using Crosslinked Polymers**
Öner M., Akyol E., Akın M. B.
NACE - INTERNATIONAL CORROSION CONFERENCE SERIES, vol.3, pp.2241-2255, 2016 (Scopus)
- XVI. **A kinetic study for calcium oxalate crystallization in the presence of Viburnum opulus extract**

- Akyol E., Ogun K., Kirboga S., Öner M.
BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY, vol.6, pp.1064-1069, 2016 (ESCI)
- XVII. **OPEN-AIR SUN DRYING: THE EFFECT OF PRETREATMENT ON DRYING KINETIC OF CHERRY TOMATO**
İSMAİL O., AKYOL E.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI,
vol.34, no.2, pp.141-151, 2016 (ESCI)
- XVIII. **THE EFFECT OF POLYELECTROLYTES ON CALCIUM OXALATE CRYSTALLIZATION**
Akyol E., Öner M.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI,
vol.25, no.1, pp.48-57, 2007 (ESCI)
- XIX. **INVESTIGATION OF HYDROXYAPATITE AND CALCIUM OXALATE CRYSTALLIZATION AS A MODEL TO BIOMINERALIZATION**
AKYOL E., Dogan O., ÖNER M.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI,
vol.23, no.3, pp.11-17, 2005 (ESCI)
- XX. **Katkı Maddelerinin Kristalizasyon Prosesine Etkisinin İncelenmesi ve Kontrolü**
Akyol E., Doğan Ö., Öner M.
Yıldız Teknik Üniversitesi Dergisi, vol.2002, no.3, pp.47-56, 2002 (ESCI)

Books & Book Chapters

- I. **Controlling of Calcium Oxalate Crystallization by Using Cross-Linked Vinylphosphonic Acid Polymer**
Öner M., Akyol E., Akin M. B.
in: INDUSTRIAL WATER TREATMENT: NEW TRENDS, CHALLENGES, AND SOLUTIONS, Zahid Amjad, Tao Chen, Editor, NACE International - The Corrosion Society , Texas, pp.125-139, 2017
- II. **Polyelectrolyte: Science and Application**
Akyol E., Kirboğa Okumuş S., Öner M.
in: POLYELECTROLYTES: THERMODYNAMICS AND RHEOLOGY, P.M. Visakh, O. Bayraktar, G.A. Pico, Editor, Springer, London/Berlin , Basel, pp.87-112, 2014
- III. **Effect of Biopolymers on Scale Formation**
Akyol E., Doğan Aydeniz Ö., Öner M.
in: Mineral Scales in Biological and Industrial Systems, Zahid Amjad, Editor, CRC, New York , New York, pp.61-75, 2014
- IV. **Control of Crystallization Processes By Diblock Copolymers**
Doğan Ö., Akyol E., Barış S., Öner M.
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KÜÇÜK İ., AKYOL E., Günay E., Özensoy Turan Ş. A., Ekşi D., Project Supported by Higher Education Institutions, DOĞAL BİLEŞENLER İÇEREN BİYOPOLİMERİK LİF TRANSDERMAL YAMALARIN HAZIRLANMASI KARAKTERİZASYONU VE YAMA BİLEŞİMİNİN DONEPEZİL HCI SALINIMINA ETKİSİ, 2021 - 2024

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AKYOL E., Project Supported by Higher Education Institutions, Thiram'in Yüzey Aktif Madde Miselleriyle Çözündürülmesi ve Misel İçeren Ortamlarda Adsorbanlar ile Etkileşimlerinin İncelenmesi, 2013 - 2015

AKYOL E., Project Supported by Higher Education Institutions, The Effect of Sb2O3/DBDPE Ratio on the Flame Retardancy and Physico-Mechanical Properties Of Epdm Elastomer, 2012 - 2014

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ÖNER M., AKYOL E., DOĞAN AYDENİZ Ö., Other International Funding Programs, Control of Calcium Related Biomineralization By Chemical Additives, 2007 - 2009

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Activities in Scientific Journals

Sigma Journal of Engineering and Natural Sciences, Editor, 2021 - Continues

Scientific Refereeing

Gazi Mühendislik Bilimleri Dergisi, SCI Journal, August 2024
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, August 2024
JOURNAL OF THE INDIAN CHEMICAL SOCIETY, SCI Journal, August 2021
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JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, June 2021
TENSIDE SURFACTANTS DETERGENTS, SCI Journal, May 2021
PHARMACEUTICAL BIOLOGY, SCI Journal, March 2021
JOURNAL OF FOOD ENGINEERING, SCI Journal, February 2021
Journal of the Turkish Chemical Society, Section A: Chemistry, Other Indexed Journal, December 2020
TENSIDE SURFACTANTS DETERGENTS, SCI Journal, November 2020
AFYON KOCATEPE ÜNİVERSİTESİ FEN VE MÜHENDİSLİK BİLİMLERİ DERGİSİ, National Scientific Refreed Journal, September 2020
BOR DERGİSİ, National Scientific Refreed Journal, September 2020
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JOURNAL OF FOOD ENGINEERING, SCI Journal, February 2019
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TURKISH JOURNAL OF CHEMISTRY, SCI Journal, December 2017
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JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, December 2017
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JOURNAL OF FOOD ENGINEERING, SCI Journal, October 2017
TENSIDE SURFACTANTS DETERGENTS, SCI Journal, May 2017
INDIAN JOURNAL OF PHYSICS, SCI Journal, April 2017
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, February 2017
Australian Journal of Basic and Applied Sciences, Other Indexed Journal, December 2016
TENSIDE SURFACTANTS DETERGENTS, SCI Journal, December 2016
Journal of Mechanical Engineering and Sciences, Other journals, November 2016
TENSIDE SURFACTANTS DETERGENTS, SCI Journal, September 2016
CRYSTAL GROWTH & DESIGN, Journal Indexed in SCI-E, August 2016
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INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, SCI Journal, July 2016
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Turkish Journal of Chemistry, SCI Journal, May 2013

Tasks In Event Organizations

Saraç Özkan A., San N., Şakar Daşdan D., Akyol E., Altıkatoğlu Yapaöz M., Uğraşkan V., Bilgi M., Işık B., Cankurtaran Ö., Derman S., et al., 31. Ulusal Kimya Kongresi, Scientific Congress, İstanbul, Turkey, Eylül 2019
Akyol E., Uluslararası Yapılarda Kimyasal Katkılar 5. Sempozyumu ve Sergisi, Scientific Congress, Ankara, Turkey, Ekim 2017
Akyol E., 3rd International Conference of Chemical Engineering and Industrial Biotechnology , Scientific Congress, Malaysia, Kasım 2016
Akyol E., III. Tehlikeli Kimyasalların Yönetimi Sempozyumu ve Sergisi, Scientific Congress, Ankara, Turkey, Mayıs 2015
Doğan Aydeniz Ö., AKYOL E., 25th European Crystallographic Meeting, Scientific Congress, İstanbul, Turkey, Ağustos 2009

Mobility Activity

Erasmus Programme, Lecturing, Universidad de Valladolid, Spain, 2014 - 2014
Erasmus Programme, Lecturing, Almeria University, Spain, 2013 - 2013

Metrics

Publication: 148
Citation (WoS): 332
Citation (Scopus): 286
H-Index (WoS): 9
H-Index (Scopus): 10

Congress and Symposium Activities

12th International Conference of Strategic Research on Scientific Studies and Education (ICoSReSSE), Session Moderator, Vienna, Austria, 2020
6th International Conference on New Trends in Chemistry, Session Moderator, İstanbul, Turkey, 2020
5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, Session Moderator, İstanbul, Turkey, 2019
31. Ulusal Kimya Kongresi, Moderator, İstanbul, Turkey, 2019
5th International Conference on New Trends in Chemistry, Attendee, Athens, Greece, 2019
5th International Conference on New Trends in Chemistry, Session Moderator, Athens, Greece, 2019
4th International Conference on Advances in Mechanical Engineering, Session Moderator, İstanbul, Turkey, 2018
13. ULUSAL KİMYA MÜHENDİSLİĞİ KONGRESİ (UKMK-2018), Attendee, Van, Turkey, 2018
Sixth European Conference on Crystal Growth, Attendee, Varna, Bulgaria, 2018
4th International Conference on New Trends in Chemistry (ICNTC 2018), Attendee, Sankt-Peterburg, Russia, 2018
4th International Conference on New Trends in Chemistry (ICNTC 2018), Session Moderator, Sankt-Peterburg, Russia, 2018
International Conference on Engineering Technologies, Attendee, Konya, Turkey, 2017
4th International Conference on Materials Science and Nanotechnology For Next Generation, MSNG-2017, Attendee, Sarajevo, Bosnia And Herzegovina, 2017
3rd International Conference on New Trends in Chemistry, Session Moderator, Helsinki, Finland, 2017
3rd International Conference on New Trends in Chemistry, Attendee, Helsinki, Finland, 2017
Changing Governance in Higher Education-Collaborative Working, Attendee, Portugal, 2016
International Conference on Chemical and Biochemical Engineering, Attendee, Paris, France, 2015
Erasmus+Staff week, Attendee, Finland, 2015
2nd International Conference on Bioinspired and Biobased Chemistry & Materials, Attendee, Nice, France, 2014

2nd International Conference On Environmental Science And Technology, Attendee, --Seçiniz--, Turkey, 2014
17th International Conference on Crystal Growth and Epitaxy, Attendee, Poland, 2013
IV International Week, Attendee, Spain, 2013
10. Ulusal Kimya Mühendisliği Kongresi, Attendee, İstanbul, Turkey, 2012
44th American Chemical Society National Meeting & Exposition, Philadelphia, Attendee, United States Of America, 2012
18th International Symposium on Industrial Crystallization, Attendee, Zürich, Switzerland, 2011
Dokuzuncu Ulusal Kimya Mühendisliği Kongresi, Attendee, Ankara, Turkey, 2010
6th Chemical Engineering Conference for Collaborative Research in Eastern Mediterranean Countries, Attendee, Antalya, Turkey, 2010
25th European Crystallographic Meeting, Attendee, İstanbul, Turkey, 2009
XXII. Ulusal Kimya Kongresi, Attendee, Gazimagusa, Cyprus (Kktc), 2008
Sekizinci Ulusal Kimya Mühendisliği Kongresi, Attendee, Malatya, Turkey, 2008
SusChem 6th Stakeholder Meeting and Brokerage Event, Attendee, Berlin, Germany, 2008
XV. Ulusal Biyoteknoloji Kongresi, Attendee, Antalya, Turkey, 2007
24th European Crystallographic Meeting, Attendee, Marrâkush, Morocco, 2007
German-Turkish University Conference and Project Marketplace on Applied Research and Innovation, Attendee, Braunschweig, Germany, 2007
Yedinci Ulusal Kimya Mühendisliği Kongresi, Attendee, Eskişehir, Turkey, 2006
1. Ulusal Polimer Bilim ve Teknoloji Kongresi ve Sergisi, Attendee, Ankara, Turkey, 2006
XX Congress of the International Union of Crystallography, Attendee, Firenze, Italy, 2005
International Workshop on Bioengineering; Problems and Perspectives, Attendee, İstanbul, Turkey, 2004
Turkish-Greek-German Symposium, Attendee, İstanbul, Turkey, 2004
6. Ulusal Kimya Mühendisliği Kongresi, Attendee, İzmir, Turkey, 2004
Workshop on Advance in Sensing Industrial Crystallization, Attendee, İstanbul, Turkey, 2003
Dördüncü Ulusal Kimya Mühendisliği Kongresi, Attendee, İstanbul, Turkey, 2000
218th ACS National Meeting Symposium, Attendee, Louisiana, United States Of America, 1999