

# Prof. Dr. YELİZ AŞCI

## Kişisel Bilgiler

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Yoksis Araştırmacı ID: 171361

## Eğitim Bilgileri

Doktora, Eskişehir Osmangazi Üniversitesi, FEN BİLİMLERİ ENSTİTÜSÜ, Kimya Mühendisliği (Dr), Türkiye 2001 - 2006  
Yüksek Lisans, Eskişehir Osmangazi Üniversitesi, FEN BİLİMLERİ ENSTİTÜSÜ, Kimya Mühendisliği (YI) (Tezli), Türkiye 1998 - 2001

Lisans, Eskişehir Osmangazi Üniversitesi, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Kimya Mühendisliği Bölümü, Türkiye 1994 - 1998

## Yabancı Diller

İngilizce, B2 Orta Üstü

## Araştırma Alanları

Mühendislik ve Teknoloji

## Akademik Unvanlar / Görevler

Yrd. Doç. Dr., Eskişehir Osmangazi Üniversitesi, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Kimya Mühendisliği Bölümü, 2008 - 2014

Araştırma Görevlisi, Eskişehir Osmangazi Üniversitesi, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Kimya Mühendisliği Bölümü, 1998 - 2008

## Akademik İdari Deneyim

Eskişehir Osmangazi Üniversitesi, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Kimya Mühendisliği Bölümü, 2008 - 2013

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- Color and chemical oxygen demand removal using homogeneous and heterogeneous Fenton oxidation of sugar industry wastewater**  
Turk S., AŞCI Y.  
Desalination and Water Treatment, cilt.306, ss.112-121, 2023 (SCI-Expanded)

- II. **Application of heterogeneous Fenton processes using Fe(III)/MnO<sub>2</sub> and Fe(III)/SnO<sub>2</sub> catalysts in the treatment of sunflower oil industrial wastewater**  
KAYA Ş., AŞÇI Y.  
DESALINATION AND WATER TREATMENT, cilt.171, ss.302-313, 2019 (SCI-Expanded)
- III. **FULL FACTORIAL EXPERIMENTAL DESIGN ANALYSIS OF REACTIVE DYE REMOVAL BY HETEROGENEOUS FENTON'S PROCESS**  
Asci Y., Cam M.  
FRESENIUS ENVIRONMENTAL BULLETIN, cilt.27, sa.7, ss.5001-5007, 2018 (SCI-Expanded)
- IV. **Treatment of synthetic dye wastewater by using Fe/CuO particles prepared by co-precipitation: parametric and kinetic studies**  
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- V. **The use of full factorial design for modeling the effects of process parameters on decolorization of Reactive Yellow 15 by using Fe/ZrO<sub>2</sub> catalyst**  
AŞÇI Y., AYAS N., AKTAR DEMİRTAŞ E.  
DESALINATION AND WATER TREATMENT, cilt.69, ss.328-334, 2017 (SCI-Expanded)
- VI. **Sorption of cobalt(II) from an aqueous medium using Amberlite 200C and Dowex 88 resins: Equilibrium and kinetic studies**  
Asci Y., Kaya Ş.  
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- VII. **USING OF Fe/ZrO<sub>2</sub> CATALYST TO REMOVE DIRECT ORANGE 26 FROM WATER BY FENTON OXIDATION AT WIDE pH VALUES**  
AYAS N., Asci Y., Yurdakul M.  
FRESENIUS ENVIRONMENTAL BULLETIN, cilt.25, sa.8, ss.3272-3279, 2016 (SCI-Expanded)
- VIII. **Comparative study of the removal of nickel(II) and chromium(VI) heavy metals from metal plating wastewater by two nanofiltration membranes**  
Basaran G., KAVAK D., DİZGE N., AŞÇI Y., ŞÖLENER M., ÖZBEY B.  
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- IX. **A STATISTICAL EXPERIMENTAL DESIGN TO DETERMINE THE AZO DYE DECOLORIZATION AND DEGRADATION BY THE HETEROGENEOUS FENTON PROCESS**  
AŞÇI Y., AKTAR DEMİRTAŞ E., FİLİK İŞÇEN C., Anagun A. S.  
FRESENIUS ENVIRONMENTAL BULLETIN, cilt.24, ss.3717-3726, 2015 (SCI-Expanded)
- X. **Removal of cobalt ions from water by ion-exchange method**  
AŞÇI Y., KAYA Ş.  
DESALINATION AND WATER TREATMENT, cilt.52, ss.267-273, 2014 (SCI-Expanded)
- XI. **Decolorization of Direct Orange 26 by heterogeneous Fenton oxidation**  
Asci Y.  
DESALINATION AND WATER TREATMENT, cilt.51, ss.7612-7620, 2013 (SCI-Expanded)
- XII. **Adsorption of Zn(II) onto Turkish soil: equilibrium, kinetic and thermodynamic studies**  
Asci Y.  
DESALINATION AND WATER TREATMENT, cilt.45, ss.61-69, 2012 (SCI-Expanded)
- XIII. **Equilibrium, hysteresis and kinetics of cadmium desorption from sodium-feldspar using rhamnolipid biosurfactant**  
AŞÇI Y., AÇIKEL Ü., SAĞ AÇIKEL Y.  
ENVIRONMENTAL TECHNOLOGY, cilt.33, sa.16, ss.1857-1868, 2012 (SCI-Expanded)
- XIV. **Investigation of sorption/desorption equilibria of heavy metal ions on/from quartz using rhamnolipid biosurfactant**  
AŞÇI Y., NURBAŞ M., SAĞ AÇIKEL Y.  
JOURNAL OF ENVIRONMENTAL MANAGEMENT, cilt.91, sa.3, ss.724-731, 2010 (SCI-Expanded)
- XV. **Adsorption Behaviour of Cr III Ions on Sepiolite**  
AŞÇI Y., PINAR B.

- Asian Journal of Chemistry, cilt.22, sa.3, ss.2319-2330, 2010 (SCI-Expanded)
- XVI. **ADSORPTION AND PERMEABILITY OF CLAYS PERMEATED WITH FERROUS IRON AND MANGANESE**  
TÜFEKÇİ N., ÖZÇOBAN M. Ş., Yalcin S., Asci Y., Akguner C.  
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- XVII. **A comparative study for the sorption of Cd(II) by K-feldspar and sepiolite as soil components, and the recovery of Cd(II) using rhamnolipid biosurfactant**  
Asci Y., Nurbas M., Acikel Y. S.  
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- XVIII. **A comparative study for the sorption of Cd(II) by soils with different clay contents and mineralogy and the recovery of Cd(II) using rhamnolipid biosurfactant**  
Asci Y., Nurbas M., Acikel Y. S.  
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- XIX. **Removal of zinc ions from a soil component Na-feldspar by a rhamnolipid biosurfactant**  
AŞÇI Y., NURBAŞ M., Acikel Y. S.  
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- XX. **Sorption of Cd(II) onto kaolin as a soil component and desorption of Cd(II) from kaolin using rhamnolipid biosurfactant**  
Asci Y., Nurbas M., Acikel Y. S.  
JOURNAL OF HAZARDOUS MATERIALS, cilt.139, sa.1, ss.50-56, 2007 (SCI-Expanded)

## Diğer Dergilerde Yayınlanan Makaleler

- I. **Evaluation of Color and COD Removal by Fenton and Photo-Fenton Processes from Industrial Paper Wastewater**  
KAYA Ş., AŞÇI Y.  
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.9, sa.3, ss.1539-1550, 2019 (Hakemli Dergi)
- II. **Investigation of Color Removal of Sunflower Oil Industrial Wastewater with Fenton Process**  
KAYA Ş., AŞÇI Y.  
International Journal of Engineering Inventions, cilt.7, sa.5, ss.61-65, 2018 (Hakemli Dergi)
- III. **Removal of Cr(III) from Synthetic Wastewater by using a Strong Cation Exchange Resin**  
AŞÇI Y.  
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.7, sa.1, ss.225-236, 2017 (Hakemli Dergi)
- IV. **Recovery Of Fixed And Volatile Oils From Laurus Nobilis L.Fruit And Leaves By Solvent Extraction Method**  
Nurbaş M., Aşçı Y.  
Eskişehir Osmangazi Üniversitesi Mühendislik ve Mimarlık Fakültesi Dergisi, cilt.18, sa.2, ss.2630-5712, 2005 (Hakemli Dergi)

## Kitap & Kitap Bölümleri

- I. **Decolorization of Leather Industry Wastewater by Sonocatalytic Fenton**  
KAYA Ş., Balcı C. S., AŞÇI Y.  
Architectural and Engineering Research and Practice, , Editör, Livre de Lyon, ss.203-211, 2022
- II. **Engineering Sciences Innovative Approaches**  
Aşçı Y. (Editör)  
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- III. **The Effect of pH on the Removal of Tetracycline Antibiotic From Aqueous Solutions by Ultrasound/ H2O2 and Sono-Fenton Methods**  
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Engineering Sciences Innovative Approaches, Yeliz Aşçı, Editör, Livre de Lyon, Lyon, ss.136-146, 2021

- IV. **MÜHENDİSLİK BİLİMLERİNDE Akademik Çalışmalar**  
Aşçı Y. (Editör)  
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- V. **Finding Optimum Points in the Treatment of Leather Industry Wastewater with Chemical Treatment Process**  
Balcı C. S., Kaya Ş., Aşçı Y.  
Academic Studies in Engineering, Adnan Hayaloğlu, Abdulrahman Günday, Editör, Gece Publishing, İstanbul, ss.1-13, 2020
- VI. **Advanced Oxidation Process to Different Industrial Wastewaters: SonoFenton**  
KAYA Ş., AŞÇI Y.  
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- VII. **Advance Oxidation Process Study of Sugar Industry Wastewater with Clay as a Catalyst**  
KAYA Ş., AŞÇI Y.  
Theory and Research in Engineering, , Editör, Gece Publishing, ss.107-118, 2020
- VIII. **Using of Photo-Fenton Process for the Removal of COD Real Wastewater**  
KAYA Ş., AŞÇI Y.  
Research Reviews in Engineering, , Editör, Gece Kitaplığı, ss.251-258, 2019
- IX. **Using of Photo-Fenton Process for the Removal of COD from Real Wastewater**  
KAYA Ş., AŞÇI Y.  
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- X. **Application of Combined Ultrasound and Fenton Reagent in Sugar Industry Wastewater Treatment**  
KAYA Ş., AŞÇI Y.  
Research Reviews in Engineering-Summer, , Editör, Gece Publishing, ss.273-281, 2019
- XI. **Investigation of Sunflower Oil Industrial Wastewater Treatment by Photo-Fenton Process**  
KAYA Ş., AŞÇI Y.  
Current Academic Studies in Engineering Sciences, , Editör, Ivpe, ss.869-877, 2018
- XII. **Heterogeneous Fenton Process with Fe/SnO<sub>2</sub> Catalyst to Removal Color From Pulp and Paper Industrial Wastewater**  
KAYA Ş., AŞÇI Y.  
Current Academic Studies in Engineering Sciences, , Editör, Ivpe, ss.859-868, 2018
- XIII. **Kimya Mühendisliği Laboratuvarı III 3. Akışkan Karıştırma Aygıtı**  
YILDIRIM M. E., ERŞAHAN H., KABASAKAL O. S., ŞENSÖZ S., GÜVENÇ A., ÖZDEMİR M., ÖZTÜRK N., AŞKIN A., ÖZDEMİR Y., YORGUN S., et al.  
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## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **İleri Oksidasyon Yöntemlerinin Endüstride Kullanımı” 2nd International Eurasian Conference on Biological and Chemical Sciences**  
Akyüz A., AŞÇI Y.  
2nd International Eurasian Conference on Biological and Chemical Sciences, 28 - 29 Haziran 2019
- II. **Fermentasyon Endüstrisi ve Biyodizel Üretimi**  
BALCI C. S., AŞÇI Y.  
2nd International Eurasian Conference on Biological and Chemical Sciences, 28 - 29 Haziran 2019
- III. **Investigation of Oil Wastewater Treatment Using Fe<sub>2</sub> as a Catalyst in Photo-Fenton-Like Systems**  
KAYA Ş., AŞÇI Y.  
The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology in Cappadocia, 21 - 23 Haziran 2019, ss.218-220

- IV. **Fe(III)/MnO<sub>2</sub> and Fe(III)/SnO<sub>2</sub> Composites as Catalysts for Paper Industry Wastewater Treatment by Heterogeneous Fenton**  
KAYA Ş., AŞÇI Y.  
The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology in Cappadocia, 21 - 23 Haziran 2019, ss.215-217
- V. **Foto-Fenton Prosesi İle Ayçiçeği Yağı Endüstrisi Atıksuyunun Arıtımının İncelenmesi**  
KAYA Ş., AŞÇI Y.  
5th INTERNATIONAL SYMPOSIUM ON MULTIDISCIPLINARY STUDIES (ISMS), Ankara, Türkiye, 16 - 17 Kasım 2018, ss.345
- VI. **Fe/SnO<sub>2</sub> Katalizörü İle Heterojen Fenton Prosesi Uygulanarak Kağıt Endüstrisi Atıksuyundan Renk Giderimi**  
KAYA Ş., AŞÇI Y.  
5th INTERNATIONAL SYMPOSIUM ON MULTIDISCIPLINARY STUDIES (ISMS), Ankara, Türkiye, 16 - 17 Kasım 2018, ss.335
- VII. **Şeker Fabrikası Atıksuyunun Fe(III)/MnO<sub>2</sub> Katalizörü Kullanarak Heterojen Fenton Prosesi İle Arıtımı**  
KAYA Ş., AŞÇI Y.  
1.Çevre Mühendisliği Kaynak Geri Kazanımı Uluslararası Kongresi, 15 - 16 Kasım 2018, ss.64-68
- VIII. **Foto-Fenton Prosesi İle Tekstil Endüstrisi Atıksuyundan Renk Giderimi**  
KAYA Ş., AŞÇI Y.  
1.Çevre Mühendisliği Kaynak Geri Kazanımı Uluslararası Kongresi, 15 - 16 Kasım 2018, ss.69-74
- IX. **Heterojen Fenton Prosesi ile Reactive Yellow 15 Azo boyasının Giderimi ve İstatistiksel Tasarımı**  
AŞÇI Y.  
International Eurasian Conference on Biological and Chemical Sciences, 26 - 27 Nisan 2018
- X. **Investigation of Color Removal of Sunflower Oil Industrial Wastewater with Fenton Process**  
KAYA Ş., AŞÇI Y.  
International Eurasian Conference on Biological and Chemical Sciences, 26 - 27 Nisan 2018
- XI. **BATCH STUDIES FOR THE REMOVAL OF CU(II) FROM AQUEOUS SOLUTIONS BY ION EXCHANGE RESIN**  
AŞÇI Y.  
Uluslararası su ve çevre kongresi, 22 - 24 Mart 2018
- XII. **Treatment of Paper and Pulp Industrial Wastewater by Fenton Processes**  
AŞÇI Y., KAYA Ş.  
3rd International Conference on Engineering and Natural Sciences, 3 - 07 Mayıs 2017, ss.707
- XIII. **Removal of COD and Color Parameters from Industrial Textile Wastewater by Fenton Process**  
AŞÇI Y., KAYA Ş.  
3rd International Conference on Engineering and Natural Sciences, 3 - 07 Mayıs 2017, ss.398
- XIV. **Treatment of Synthetic Textile Wastewater by Homogeneous and Heterogeneous Fenton Oxidation Processes**  
AŞÇI Y.  
1st International Black Sea Congress on Environmental Sciences (1st IBCESS), 31 Ağustos - 03 Eylül 2016
- XV. **Investigation of the sorption characteristics of chromium III ions onto ion exchange resin Dowex 88 Batch and continuous studies**  
AŞÇI Y., KAYA Ş.  
Desalination for the Environment: Clean Water and Energy, 22 - 26 Mayıs 2016
- XVI. **Treatment of synthetic dye wastewater by using Fe CuO catalyst Parametric and kinetic studies**  
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Desalination for the Environment: Clean Water and Energy, 22 - 26 Mayıs 2016
- XVII. **Investigation of the sorption characteristics of chromium III ions onto ion exchange resin Dowex 88 Batch and continuous studies**  
Aşçı Y., Kaya Ş.  
Desalination for the Environment: Clean Water and Energy, Rome, İtalya, 22 - 26 Mayıs 2016

- XVIII. **The use of full factorial design for modeling the effects of process parameters on decolorization of Reactive Yellow by using Fe ZrO<sub>2</sub> catalyst**  
AŞCI Y., AKTAR DEMİRTAŞ E., AYAS N.  
Desalination for the Environment: Clean Water and Energy, 22 - 26 Mayıs 2016
- XIX. **A Statistical Experimental Design to Determine the Azo Dye Decolorization by the Heterogeneous Fenton Process**  
Aşçı Y., Aktar Demirtaş E., Anagün S.  
2nd International Conference on Recycling and Reuse, İstanbul, Türkiye, 4 - 06 Haziran 2014
- XX. **Havacılık Sanayisine Ait Yıkama Banyolarından Kaynaklanan Atıksuların Çapraz Akış Membran Filtrasyon Sistemi İle Arıtılması**  
BAŞARAN G., KAVAK D., AŞCI Y., DİZGE N., ŞÖLENER M., ÖZBEY B.  
10. Ulusal Çevre Mühendisliği Kongresi, Ankara, Türkiye, 12 - 14 Eylül 2013
- XXI. **Amberlite 200 C iyon değiştirici reçineye Co II iyonlarının iyon değişimi kinetiği**  
AŞCI Y., KAYA Ş.  
10. Ulusal Kimya Mühendisliği Kongresi, İstanbul, Türkiye, 3 - 06 Eylül 2012
- XXII. **Removal of Cr III from water using a strong acid resin on fixed bed column**  
AŞCI Y., KAYA Ş.  
International Conference on Recycling and Reuse 2012, İstanbul, Türkiye, 4 - 06 Haziran 2012, ss.310
- XXIII. **Use of Lewatit MonoPlus SP 112 for the removal of cobalt ions from water**  
AŞCI Y., KAYA Ş.  
International Conference on Recycling and Reuse 2012, İstanbul, Türkiye, 4 - 06 Haziran 2012, ss.309
- XXIV. **REMOVAL OF ZN(II) FROM AQUEOUS SOLUTION BY USING SMECTITE-BEARING SOIL**  
Asci Y.  
8th International Scientific Conference on Modern Management of Mine Producing, Geology and Environmental Protection, Sofija, Bulgaristan, 16 - 20 Haziran 2008, ss.407-411
- XXV. **RECOVERY OF ZINC FROM K-FELDSPAR BY SAPONIN BIOSURFACTANT**  
Asci Y.  
8th International Scientific Conference on Modern Management of Mine Producing, Geology and Environmental Protection, Sofija, Bulgaristan, 16 - 20 Haziran 2008, ss.645-650
- XXVI. **Removal of cadmium ions from Na-Feldspar, a soil component, by rhamnolipid biosurfactant**  
Aşçı Y., Nurbaş M., Sağ Açikel Y.  
23rd International Mineral Processing Congress, IMPC 2006, İstanbul, Türkiye, 3 - 08 Eylül 2006, ss.2341-2344
- XXVII. **Removal of cadmium ions from a soil component quartz by a rhamnolipid biosurfactant**  
Aşçı Y., Nurbaş M., Sağ Açikel Y.  
23rd International Mineral Processing Congress, IMPC 2006, İstanbul, Türkiye, 3 - 08 Eylül 2006, ss.2356-2362
- XXVIII. **Isolation and Identification of the Oils From Laurus Nobilis l Thymus L By Ettraction and Distilation Methods**  
AŞCI Y., ŞÖLENER M., ÖZDEMİR Y., KABASAKAL O. S., NURBAŞ M.  
ICPN 2002, Trabzon, Türkiye, 16 - 19 Ekim 2002

## Metrikler

Yayın: 73

Atif (WoS): 353

Atif (Scopus): 383

H-İndeks (WoS): 11

H-İndeks (Scopus): 10