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Education Information

Doctorate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Kimya Mühendisliği (Dr), Turkey 2001 - 2006
Postgraduate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Kimya Mühendisliği (Yl) (Tezli), Turkey 1998 - 2001
Undergraduate, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Kimya Mühendisliği Bölümü, Turkey 1994 - 1998

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Kimya Mühendisliği Bölümü, 2008 - 2014
Research Assistant, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Kimya Mühendisliği Bölümü, 1998 - 2008

Academic and Administrative Experience

Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Kimya Mühendisliği Bölümü, 2008 - 2013

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Color and chemical oxygen demand removal using homogeneous and heterogeneous Fenton oxidation of sugar industry wastewater**
Turk S., AŞÇI Y.
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II. **Application of heterogeneous Fenton processes using Fe(III)/MnO2 and Fe(III)/SnO2 catalysts in the treatment of sunflower oil industrial wastewater**
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III. **FULL FACTORIAL EXPERIMENTAL DESIGN ANALYSIS OF REACTIVE DYE REMOVAL BY HETEROGENEOUS FENTON'S PROCESS**
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IV. **Treatment of synthetic dye wastewater by using Fe/CuO particles prepared by co-precipitation: parametric and kinetic studies**
Asci Y., Cam M.
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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/ZrO2 catalyst**
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VI. **Sorption of cobalt(II) from an aqueous medium using Amberlite 200C and Dowex 88 resins: Equilibrium and kinetic studies**
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VII. **USING OF Fe/ZrO2 CATALYST TO REMOVE DIRECT ORANGE 26 FROM WATER BY FENTON OXIDATION AT WIDE pH VALUES**
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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.
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X. **Removal of cobalt ions from water by ion-exchange method**
AŞÇI Y., KAYA Ş.
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XI. **Decolorization of Direct Orange 26 by heterogeneous Fenton oxidation**
Asci Y.
DESALINATION AND WATER TREATMENT, vol.51, pp.7612-7620, 2013 (SCI-Expanded)

XII. **Adsorption of Zn(II) onto Turkish soil: equilibrium, kinetic and thermodynamic studies**
Asci Y.
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XIII. **Equilibrium, hysteresis and kinetics of cadmium desorption from sodium-feldspar using rhamnolipid biosurfactant**
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XIV. **Investigation of sorption/desorption equilibria of heavy metal ions on/from quartz using rhamnolipid biosurfactant**
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JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.91, no.3, pp.724-731, 2010 (SCI-Expanded)

XV. **Adsorption Behaviour of Cr III Ions on Sepiolite**
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Asian Journal of Chemistry, vol.22, no.3, pp.2319-2330, 2010 (SCI-Expanded)

XVI. **ADSORPTION AND PERMEABILITY OF CLAYS PERMEATED WITH FERROUS IRON AND MANGANESE**
TÜFEKCİ 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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Articles Published in Other Journals

I. **Evaluation of Color and COD Removal by Fenton and Photo-Fenton Processes from Industrial Paper Wastewater**
KAYA Ş., AŞÇI Y.
Iğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.9, no.3, pp.1539-1550, 2019 (Peer-Reviewed Journal)

II. **Investigation of Color Removal of Sunflower Oil Industrial Wastewater with Fenton Process**
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III. **Removal of Cr(III) from Synthetic Wastewater by using a Strong Cation Exchange Resin**
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IV. **Recovery Of Fixed And Volatile Oıls From Laurus Nobilis L.Fruit And Leaves By Solvent Extraction Method**
Nurbaş M., Aşçı Y.
Eskişehir Osmangazi Üniversitesi Mühendislik ve Mimarlık Fakültesi Dergisi, vol.18, no.2, pp.2630-5712, 2005 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Decolorization of Leather Industry Wastewater by Sonocatalytic Fenton**
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II. **Engineering Sciences Innovative Approaches**
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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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IV. **MÜHENDİSLİK BİLİMLERİNDEAkademik Çalışmalar**
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V. **Finding Optimum Points in the Treatment of Leather Industry Wastewater with Chemical Treatment Process**
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VIII. **Using of Photo-Fenton Process for the Removal of COD Real Wastewater**
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X. **Application of Combined Ultrasound and Fenton Reagent in Sugar Industry Wastewater Treatment**
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in: Research Reviews in Engineering-Summer, , Editor, Gece Publishing, pp.273-281, 2019

XI. **Investigation of Sunflower Oil Industrial Wastewater Treatment by Photo-Fenton Process**
KAYA Ş., AŞÇI Y.
in: Current Academic Studies in Engineering Sciences, , Editor, Ivpe, pp.869-877, 2018

XII. **Heterogeneous Fenton Process with Fe/SnO2 Catalyst to Removal Color From Pulp and Paper Industrial Wastewater**
KAYA Ş., AŞÇI Y.
in: Current Academic Studies in Engineering Sciences, , Editor, Ivpe, pp.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.
in: Kimya Mühendisliği Laboratuvarı I II III, M. Ercengiz Yıldırım, Editor, Eskişehir Osmangazi Üniversitesi Basımevi, Eskişehir, pp.197-203, 2014

Refereed Congress / Symposium Publications in Proceedings

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 June 2019

II. **Fermentasyon Endüstrisi ve Biyodizel Üretimi**
BALCI C. S., AŞÇI Y.
2nd International Eurasian Conference on Biological and Chemical Sciences, 28 - 29 June 2019

III. **Investigation of Oil Wastewater Treatment Using Fe2 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 June 2019, pp.218-220

IV. **Fe(III)/MnO2 and Fe(III)/SnO2 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 June 2019, pp.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, Turkey, 16 - 17 November 2018, pp.345

VI. **Fe/SnO2 Katalizörü İle Heterojen Fenton Prosesi Uygulanarak Kağıt Endüstrisi Atıksuyundan Renk Giderimi**
KAYA Ş., AŞÇI Y.
5th INTERNATIONAL SYMPOSIUM ON MULTIDISCIPLINARY STUDIES (ISMS), Ankara, Turkey, 16 - 17 November 2018, pp.335

VII. **Şeker Fabrikası Atıksuyunun Fe(III)/MnO2 Katalizörü Kullanarak Heterojen Fenton Prosesi İle Arıtımı**
KAYA Ş., AŞÇI Y.
1.Çevre Mühendisliği Kaynak Geri Kazanımı Uluslararası Kongresi, 15 - 16 November 2018, pp.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 November 2018, pp.69-74

IX. **Heterojen Fenton Prosesi ile ReactiveYellow 15 Azo boyasının Giderimi ve İstatistiksel Tasarımı**
AŞÇI Y.
International Eurasian Conference on Biological and Chemical Sciences, 26 - 27 April 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 April 2018

XI. **BATCH STUDIES FOR THE REMOVAL OF CU(II) FROM AQUEOUS SOLUTIONSBY ION EXCHANGE RESIN**
AŞÇI Y.
Uluslararası su ve çevre kongresi, 22 - 24 March 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 May 2017, pp.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 May 2017, pp.398

XIV. **Treatment of Synthetic Textile Wastewater byHomogeneous and Heterogeneous Fenton OxidationProcesses**
AŞÇI Y.
1st International Black Sea Congress onEnvironmental Sciences (1st IBCESS), 31 August - 03 September 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 May 2016

XVI. **Treatment of synthetic dye wastewater by using Fe CuO catalyst Parametric and kinetic studies**
AŞÇI Y., ÇAM M.
Desalination for the Environment:Clean Water and Energy, 22 - 26 May 2016

XVII. **Investigation of the sorption characterists 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, Italy, 22 - 26 May 2016

XVIII. **The use of full factorial design for modeling the effects of process parameters on decolorization of Reactive Yellow by using Fe ZrO2 catalyst**
AŞÇI Y., AKTAR DEMİRTAŞ E., AYAS N.
Desalination for the Environment:Clean Water and Energy, 22 - 26 May 2016

XIX. **A Statistical Experimental Design to Determine the Azo Dye Decolorization by the Heterogeneus Fenton Process**
Aşçı Y., Aktar Demirtaş E., Anagün S.
2nd International Conference on Recycling and Reuse, İstanbul, Turkey, 4 - 06 June 2014

XX. **Havacılık Sanayisine Ait Yıkama Banyolarından Kaynaklanan Atıksuların Çapraz Akış Membran Filtrasyon Sistemi İle Arıtılması**
BAŞARAN G., KAVAK D., AŞÇI Y., DİZGE N., ŞÖLENER M., ÖZBEY B.
10. Ulusal Çevre Mühendisliği Kongresi, Ankara, Turkey, 12 - 14 September 2013

XXI. **Amberlite 200 C iyon değiştirici reçineye Co II iyonlarının iyon değişimi kinetiği**
AŞÇI Y., KAYA Ş.
10.Ulusal Kimya Mühendisliği Kongresi, İstanbul, Turkey, 3 - 06 September 2012

XXII. **Removal of Cr III from water using a strong acid resin on fixed bed column**
AŞÇI Y., KAYA Ş.
International Conference on Rcycling and Reuse 2012, İstanbul, Turkey, 4 - 06 June 2012, pp.310

XXIII. **Use of Lewatit MonoPlus SP 112 for the removal of cobalt ions from water**
AŞÇI Y., KAYA Ş.
International Conference on Rcycling and Reuse 2012, İstanbul, Turkey, 4 - 06 June 2012, pp.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, Bulgaria, 16 - 20 June 2008, pp.407-411

XXV. **RECOVERY OF ZINC FROM K-FELDSPAR BY SAPONIN BIOSURFACTANT**
Asci Y.
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23rd International Mineral Processing Congress, IMPC 2006, İstanbul, Turkey, 3 - 08 September 2006, pp.2356-2362

XXVIII. **Isolation and Identification of the Oils From Laurus Nobilis l Thymus L By Etxraction and Distilation Methods**
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