

Prof. Alper Erdem YILMAZ

Personal Information

Office Phone: [+90 442 231 4799](tel:+904422314799)

Email: aerdemy@atauni.edu.tr

Web: <https://avesis.atauni.edu.tr/aerdemy>

Education Information

Doctorate, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Mühendisliği Ana Bilim Dalı, Turkey 2002 - 2009

Postgraduate, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Mühendisliği Ana Bilim Dalı, Turkey 1999 - 2002

Undergraduate, Atatürk Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği, Turkey 1994 - 1999

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, ENDÜSTRİYEL ATIK SULARDAN ELEKTROKOAGÜLASYON YÖNTEMİ İLE BOR GİDERİMİ, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Mühendisliği Ana Bilim Dalı, 2009

Postgraduate, ENDÜSTRİYEL ATIK SULARDAN İYON DEĞİŞİMİ YÖNTEMİ İLE BOR GİDERİMİ, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Mühendisliği Ana Bilim Dalı, 2002

Research Areas

Environmental Engineering, Environmental Technology, Waste Water Collection and Treatment, Industrial and Hazardous Waste Management, Engineering and Technology

Academic Titles / Tasks

Professor, Ataturk University, Mühendislik Fakültesi, Çevre Mühendisliği, 2018 - Continues

Associate Professor, Ataturk University, Mühendislik Fakültesi, Çevre Mühendisliği, 2013 - 2018

Assistant Professor, Ataturk University, Mühendislik Fakültesi, Çevre Mühendisliği, 2009 - 2013

Research Assistant, Ataturk University, Mühendislik Fakültesi, Çevre Mühendisliği, 2001 - 2009

Academic and Administrative Experience

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Ataturk University, Mühendislik Fakültesi, Çevre Mühendisliği, 2019 - 2020

Manager of Research and Application Center, Ataturk University, Mühendislik Fakültesi, Çevre Mühendisliği, 2016 - 2020

Courses

SULARIN ARITILMASI, Undergraduate, 2017 - 2018, 2018 - 2019, 2020 - 2021
SU VE ATIKSU ARITIMINDA ELEKTROKİMYASAL PROSELER, Doctorate, 2018 - 2019, 2019 - 2020, 2020 - 2021
ÇEVRE MÜHENDİSLİĞİNDE KÜTLE TRANSFERİ UYGULAMALARI, Postgraduate, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021
SU TEMİNİ SİSTEMLERİNİN PROJELENDİRİLMESİ, Undergraduate, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021
ÇEVRE MÜHENDİSLİĞİ SEÇMELİ TASARIMI I, Undergraduate, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021
YAPI MÜHENDİSLİĞİ, Undergraduate, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021
ÇEVRE MÜHENDİSLİĞİ SEÇMELİ TASARIMI II, Undergraduate, 2018 - 2019
Endüstriyel Atıksuların İleri Arıtımı, Doctorate, 2018 - 2019, 2019 - 2020

Advising Theses

Yılmaz A. E. , Mezbaaha atıksularının elektrooksidasyon prosesi ile kesikli ve sürekli sistemde arıtımının incelenmesi, Doctorate, D.Öztürk(Student), 2019
Yılmaz A. E. , Elektrofotasyon yöntemi ile sintine atıksularının arıtımının incelenmesi, Postgraduate, S.GÜLER(Student), 2019
YILMAZ A. E. , HAM VE MEMBRAN BİYOREAKTÖR ÇIKIŞI SIZINTI SUYUNUN ELEKTROOKSİDASYON YÖNTEMİ İLE ARITIMININ İNCELENMESİ, Postgraduate, M.SAKARYA(Student), 2018
YILMAZ A. E. , EVSEL ATIK SULARIN KESİKLİ VE SÜREKLİ SİSTEMDE ELEKTROKOAGÜLASYON ARITIM YÖNTEMİ İLE ARITIMININ İNCELENMESİ, Postgraduate, Y.DEDE(Student), 2015
YILMAZ A. E. , EVSEL ATIKSULARIN KESİKLİ SİSTEMDE ELEKTROKOAGÜLASYON YÖNTEMİ İLE ARITIMININ İNCELENMESİ, Postgraduate, M.VAROL(Student), 2015
YILMAZ A. E. , ANTEP FISTIĞI ATIKSULARININ SÜREKLİ SİSTEMDE ELEKTROKİMYASAL ARITIM YÖNTEMLERİ İLE ARITIMININ İNCELENMESİ, Postgraduate, Z.KÖKSAL(Student), 2015
YILMAZ A. E. , ELEKTROKOAGÜLASYON YÖNTEMİ İLE RÖNTGEN BANYO ATIK SULARINDAN GÜMÜŞÜN GİDERİLMESİ VE GERİ KAZANILMASI, Postgraduate, S.ÇARIKCIOĞLU(Student), 2010

Jury Memberships

Post Graduate, TEZ SAVUNMA, ATATÜRK ÜNİVERSİTESİ, August, 2018
Post Graduate, TEZ SAVUNMA, ATATÜRK ÜNİVERSİTESİ, July, 2018
Post Graduate, TEZ SAVUNMA, ATATÜRK ÜNİVERSİTESİ, May, 2018
Post Graduate, TEZ SAVUNMA, ATATÜRK ÜNİVERSİTESİ, April, 2018
Post Graduate, TEZ SAVUNMA, ATATÜRK ÜNİVERSİTESİ, October, 2017
Post Graduate, TEZ SAVUNMA, ATATÜRK ÜNİVERSİTESİ, July, 2014
Post Graduate, TEZ SAVUNMA, ATATÜRK ÜNİVERSİTESİ, March, 2014
Post Graduate, TEZ SAVUNMA, ATATÜRK ÜNİVERSİTESİ, September, 2012
Post Graduate, TEZ SAVUNMA, ATATÜRK ÜNİVERSİTESİ, December, 2011

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Electrochemical mineralization of abattoir wastewater with continuous system**
Ozturk D., Yilmaz A. E. , Sapci Ayas Z.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.18, no.12, pp.3761-3776, 2021
(Journal Indexed in SCI)
- II. **Removal of Heavy Metals by a Membrane Bioreactor Combined with Activated Carbon**
Calik S., SÖZÜDOĞRU O., Massara T. M. , YILMAZ A. E. , BAKIRDERE S., Katsou E., KOMESLİ O. T.
ANALYTICAL LETTERS, 2020 (Journal Indexed in SCI)

- III. **Influence of Hydraulic Retention Time (HRT) upon the Treatment of Wastewater by a Laboratory-Scale Membrane Bioreactor (MBR)**
SÖZÜDOĞRU O., Massara T. M. , Calik S., YILMAZ A. E. , BAKIRDERE S., Katsou E., KOMESLİ O. T.
ANALYTICAL LETTERS, 2020 (Journal Indexed in SCI)
- IV. **Investigation of electrochemical degradation of Basic Red 13 dye in aqueous solutions based on COD removal: numerical optimization approach**
Öztürk D., Yilmaz A. E.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.17, no.5, pp.3099-3110, 2020 (Journal Indexed in SCI)
- V. **Simultaneous determination of drug active compound, hormones, pesticides, and endocrine disruptor compounds in wastewater samples by GC-MS with direct calibration and matrix matching strategies after preconcentration with dispersive liquid-liquid microextraction**
KOÇOĞLU E. S. , SÖZÜDOĞRU O., KOMESLİ O. T. , YILMAZ A. E. , BAKIRDERE S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.191, no.11, 2019 (Journal Indexed in SCI)
- VI. **Treatment of slaughterhouse wastewater with the electrochemical oxidation process: Role of operating parameters on treatment efficiency and energy consumption**
Öztürk D., YILMAZ A. E.
JOURNAL OF WATER PROCESS ENGINEERING, vol.31, 2019 (Journal Indexed in SCI)
- VII. **The investigation of COD treatment and energy consumption from urban wastewater by batch electrocoagulation system for small settlements**
YILMAZ M. T. , YILMAZ A. E. , DEDE Y.
DESALINATION AND WATER TREATMENT, vol.131, pp.155-161, 2018 (Journal Indexed in SCI)
- VIII. **KINETICS AND ISOTHERM ANALYSIS OF Cd²⁺ REMOVAL FROM AQUEOUS SOLUTIONS BY ION EXCHANGE PROCESS**
Fil B. A. , YILMAZ A. E. , Boncukcuoglu R., BAYAR S.
ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, vol.17, no.8, pp.1967-1976, 2018 (Journal Indexed in SCI)
- IX. **The effect of initial pH and retention time on boron removal by continuous electrocoagulation process**
MASSARA T. M. , YILMAZ A. E. , Cengiz I., MALAMİS S., YILMAZ M. T. , Komesli O. T. , STANCHEV P., INGLEZAKİS V. J. , KATSOU E.
DESALINATION AND WATER TREATMENT, vol.112, pp.99-105, 2018 (Journal Indexed in SCI)
- X. **Arsenic and Boron Removal by Electrocoagulation with Aluminum Electrodes**
Can B. Z. , Boncukcuoglu R., YILMAZ A. E. , Fil B. A.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.41, no.6, pp.2229-2237, 2016 (Journal Indexed in SCI)
- XI. **A new adsorbent for fluoride removal The utilization of sludge waste from electrocoagulation as adsorbent**
YILMAZ A. E. , FİL B. A. , BAYAR S., KARCIOĞLU KARAKAŞ Z.
Global Nest Journal, vol.17, pp.186-197, 2015 (Journal Indexed in SCI)
- XII. **Treatment of Olive Mill Wastewater with Electro-Oxidation Method**
KUL S., Boncukcuoglu R., YILMAZ A. E. , Fil B. A.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.162, no.8, 2015 (Journal Indexed in SCI)
- XIII. **Effect of some operational parameters on the arsenic removal by electrocoagulation using iron electrodes**
Can B. Z. , BONCUKCUOĞLU R., YILMAZ A. E. , Fil B. A.
JOURNAL OF ENVIRONMENTAL HEALTH SCIENCE AND ENGINEERING, vol.12, 2014 (Journal Indexed in SCI)
- XIV. **Adsorption Kinetics and Isotherms for the Removal of Zinc Ions from Aqueous Solutions by an Ion-Exchange Resin**
Fil B. A. , BONCUKCUOĞLU R., YILMAZ A. E. , BAYAR S.
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.34, no.4, pp.841-848, 2012 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **THE INVESTIGATION OF FLOW RATE EFFECT ON LEACHATE TREATMENT BY ELECTROOXIDATION PROCESS**
YILMAZ A. E. , Dede Sagsoz Y., Sakarya M., CENGİZ İ.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.11, no.1, pp.73-82, 2020 (Journal Indexed in ESCI)
- II. **Mezbaha Atıksularının Karakterizasyonu ve Arıtılabilirliğinin Değerlendirilmesi**
ÖZTÜRK D., ALADAĞ E., YILMAZ A. E. , BONCUKCUOĞLU R., BAYRAM T.
Journal of the Institute of Science and Technology, vol.9, pp.738-748, 2019 (Other Refereed National Journals)
- III. **Characterization of Slaughterhouse Wastewaters and Evaluation of its Treatability**
ÖZTÜRK D., ALADAĞ E., YILMAZ A. E. , BONCUKCUOĞLU R., BAYRAM T.
Journal of the Institute of Science and Technology, vol.9, no.2, pp.738-748, 2019 (International Refereed University Journal)
- IV. **The Investigation of Parameters Affecting on Treatment of Pistachio Processing Industry Waste Water by Continuous Electrocoagulation Process**
YILMAZ A. E. , KÖKSAL Z.
Journal of the Institute of Science and Technology, vol.7, pp.95-103, 2017 (Refereed Journals of Other Institutions)
- V. **Domestic Wastewater Treatment Sludge Disposal with The Combustion Process of The Thermal Drying incineration Efficiency Investigation of The Relationship Between Energy**
İRDEMEZ Ş., YILMAZ A. E. , ANLATICI E.
Journal of the Institute of Science and Technology, vol.4, pp.65-74, 2016 (Refereed Journals of Other Institutions)

Supported Projects

- Kocadağistan B., Yılmaz A. E. , Dede Sağısöz Y., Project Supported by Higher Education Institutions, Elektrokimyasal Yöntemlerle Yerinde Dezenfektan Üretiminin İncelenmesi, 2021 - 2021
- KOMESLİ O. T. , YILMAZ A. E. , SÖZÜDOĞRU O., Project Supported by Higher Education Institutions, ÖN İŞLEMLERDEN GEÇİRİLEN YÜN YIKAMA ATIKSULARININ MEMBRAN BİYOREAKTÖR SİSTEMLERİ İLE ARITIMININ ARAŞTIRILMASI, 2015 - 2018
- YILMAZ A. E. , YILMAZ M. T. , Project Supported by Higher Education Institutions, ATIKSULARIN ELEKTROKİMYASAL YÖNTEM İLE ARITILMASININ İNCELENMESİ VE ARITMA ESNASINDA ÇIKAN HİDROJEN GAZININ ENERJİ OLARAK KULLANILMASI, 2015 - 2017
- YILMAZ A. E. , KOMESLİ O. T. , YILMAZ M. T. , Project Supported by Higher Education Institutions, YÜN YIKAMA ATIKSULARININ ELEKTROKİMYASAL OLARAK ARITIMININ ARAŞTIRILMASI, 2015 - 2017
- YILMAZ A. E. , Project Supported by Higher Education Institutions, ZEYTİN KARASUYUNUN ELEKTROKİMYASAL YÖNTEMİYLE ARITIMININ İNCELENMESİ, 2013 - 2015
- YILMAZ A. E. , Project Supported by Higher Education Institutions, FISTIK İŞLEME SANAYİ ATIKSULARININ SÜREKLİ ELEKTROKİMYASAL PROSESLERİ İLE ARITIMINA ETKİ EDEN PARAMETRELERİN İNCELENMESİ, 2013 - 2014
- YILMAZ A. E. , Project Supported by Higher Education Institutions, NİKELİN SULU ÇÖZELTİLERDE ELEKTROKİMYASAL DAVRANIŞININ İNCELENMESİ, 2010 - 2011

Scientific Refereeing

- JOURNAL OF HAZARDOUS MATERIALS, National Scientific Refreed Journal, March 2011
- DESIGNATION, SCI Journal, January 2011

Edit Congress and Symposium Activities

1. Uluslararası Sağlık Bilimleri ve Multidisipliner Yaklaşımlar Kongresi, Invited Speaker, Erzurum, Turkey, 2021
- 4th International Scientific Research Congress, Attendee, Yalova, Turkey, 2019
- 1st International Potable Water and Waste Water Symposium, Attendee, Afyon, Turkey, 2018
4. INTERNATIONAL WATER CONGRESS, Attendee, İzmir, Turkey, 2017

Citations

Total Citations (WOS):622

h-index (WOS):17