

Res. Asst. PhD KEMAL AKTAŞ

Personal Information

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Education Information

Doctorate, Akdeniz University, Institute of Science, Çevre Mühendisliği, Turkey 2016 - Continues

Doctorate, Rice University, Newt, Civil And Environmental Engineering, United States Of America 2019 - 2020

Postgraduate, Akdeniz University, Faculty Of Engineering, Çevre Mühendisliği, Turkey 2013 - 2016

Undergraduate, Suleyman Demirel University, Mühendislik Fakültesi, Çevre Mühendisliği, Turkey 2007 - 2012

Undergraduate, Jan Evangelista Purkyně University, Faculty Of Environment, Environmental Engineering, Turkey 2010 - 2010

Dissertations

Postgraduate, Kentsel Organik Atıkların Bertaraf Yöntemlerinin Yaşam Döngüsü Analizi İle İncelenmesi: Antalya Örneği, Akdeniz University, Faculty of Engineering, Çevre Mühendisliği, 2015

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Nanomaterials, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Akdeniz University, Faculty of Engineering, Çevre Mühendisliği, 2013 - Continues

Academic and Administrative Experience

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **In vivo assessment of the toxic impact of exposure to magnetic iron oxide nanoparticles (IONPs) using *Drosophila melanogaster***
Güneş M., Aktaş K., Yalçın B., Burgazlı A. Y., Asiltürk M., ERDEM ÜNŞAR A., KAYA B.
Environmental Toxicology and Pharmacology, vol.107, 2024 (SCI-Expanded)
- II. **Adsorption Isotherms, Thermodynamics, and Kinetic Modeling of Methylene Blue onto Novel Carbonaceous Adsorbent Derived from Bitter Orange Peels**
Gunay Gurer A., AKTAŞ K., Ozkaleli Akcetin M., ERDEM ÜNŞAR A., ASİLTÜRK M.
WATER AIR AND SOIL POLLUTION, vol.232, no.4, 2021 (SCI-Expanded)
- III. **ENVIRONMENTAL POLLUTION OF THE MEDITERRANEAN SEA: EVALUATION OF RESEARCH**

ACTIVITIES IN THE MEDITERRANEAN SEA COUNTRIES

KARADİREK İ. E., AKTAŞ K., Topkaya B.

FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, no.2, pp.867-872, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **ARSENIC REMOVAL TECHNOLOGIES: MAPPING GLOBAL RESEARCH ACTIVITIES (1970-2019)**
Aktaş K., Karadirek İ. E., Göktepe D. H., Asiltürk Ersoy M., Erdem Ünşar A.
Kocaeli Journal of Science and Engineering, vol.5, no.1, pp.42-53, 2022 (Peer-Reviewed Journal)
- II. **Türkiye Adresli “Kompost” Yayınlarının Science Citation Index (SCI) Veri Tabanındaki Etkinliğinin Analizi**
AKTAŞ K., ERDEM A.
Yüzüncü Yıl Üniversitesi Tarım Bilimleri Dergisi *, vol.27, pp.646-650, 2017 (Peer-Reviewed Journal)
- III. **Membran Sentezinde Koagülasyon Banyosunun ve Polivinil Prolidon Eklenmesinin Tıkanma Üzerine Etkileri**
Ç. Madenli E., Çakmakçı Ö., AKTAŞ K., Aygör U.
Firat Üniversitesi Mühendislik Bilimleri Dergisi, vol.29, pp.213-219, 2017 (Peer-Reviewed Journal)
- IV. **Polietersülfon (PES) Membran Sentezinde Koagülasyon Ortamının Etkileri**
Ç. MADENLİ E., ÇAKMAKÇI Ö., AKTAŞ K., AYGÖR U.
KARAEMLAS FEN VE MÜHENDİSLİK DERGİSİ, vol.7, pp.109-113, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Activated carbon production from local agricultural residue**
GÜNAY A., AKTAŞ K., ÖZKALELİ M., ASİLTÜRK M., ERDEM A.
4th International Conference on Environmental Science and Technology, Kiev, Ukraine, 19 - 23 September 2018, vol.-
- II. **Kinetic study of dye adsorption on activated carbon produced from bitter orange peels**
GÜNAY A., AKTAŞ K., ÖZKALELİ M., ASİLTÜRK M., ERDEM A.
4th International Conference on Environmental Science and Technology, Kiev, Ukraine, 19 - 23 September 2018, vol.-
- III. **Kinetic study of dye adsorption on activated carbon produced from bitter orange peels**
GÜNAY A., AKTAŞ K., ÖZKALELİ M., ASİLTÜRK M., ERDEM A.
4th International Conference on Environmental Science and Technology, Kiev, Ukraine, 19 - 23 September 2018, vol.-
- IV. **Bibliometric Analysis of Top 100 Most Cited Articles on Nanotechnology in Environmental Engineering**
AKTAŞ K., ERDEM A.
International Symposium on Ecology and Environmental Problems (ISEEP), Çanakkale, Turkey, 4 - 07 October 2017
- V. **Evaluation of municipal organic waste management optimization using life cycle assessment: A case study of Antalya**
AKTAŞ K., TOPKAYA M. B.
19th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, Rome, Italy, 4 - 06 October 2017, pp.331
- VI. **Life Cycle Assessment of Activated Carbon Prepared from Citrus aurantium Peels**
AKTAŞ K., ERDEM A.
International Symposium on Ecology and Environmental Problems (ISEEP), Çanakkale, Turkey, 4 - 07 October 2017

- VII. **A Bibliometric Analysis of Environmental Toxicology from 1970 to 2016**
AKTAŞ K., ERDEM A.
27th SETAC Annual Meeting, Brüksel, Belgium, 7 - 11 May 2017
- VIII. **Türkiye'de Katı Atık Yönetiminin Gelişmesinin Akademik Açından Değerlendirilmesi**
AKTAŞ K., GEDİK K., TOPKAYA M. B.
Ulusal Katı Atık Yönetimi Kongresi, Gaziantep, Turkey, 14 - 16 October 2015
- IX. **Evaluation of Research Activities Dealing With Solid Waste Management in MENA Countries**
AKTAŞ K., GEDİK K., TOPKAYA M. B., Kranet M.
18th International Symposium on Environmental Pollution and Its Impact on Life in the Mediterranean Region, Girit, Greece, 26 - 30 September 2015
- X. **Waste Management Research In Turkey & Germany: A Comparative Study**
AKTAŞ K., GEDİK K., TOPKAYA M. B.
Türk Alman Katı Atık Günleri, İzmir, Turkey, 26 - 29 May 2015, pp.24-28
- XI. **Evaluation of the options for the reducing the environmental impacts of landfills**
AKTAŞ K., Yıldırım M., Yılmaz İ., TOPKAYA M. B.
Türk Alman Katı Atık Günleri, İzmir, Turkey, 26 - 29 May 2015, pp.2-4
- XII. **Waste Management Research In Turkey & Germany: A Comparative Study**
AKTAŞ K., GEDİK K., TOPKAYA M. B.
Türk Alman Katı Atık Günleri, İzmir, Turkey, 26 - 29 May 2015, pp.24-28
- XIII. **Life cycle thinking of biowaste management**
AKTAŞ K., TOPKAYA M. B.
Mediterranean Scientific Association of Environmental Protection, İstanbul, Turkey, 28 October - 01 November 2013, pp.219
- XIV. **Carbon Nanotube Membranes and Applications to Desalination**
AKTAŞ K., ERDEM A.
International Conference on Application of Nanotechnology in Membranes for Water Treatment, İzmir, Turkey, 8 - 10 October 2013
- XV. **Hidrojen Enerjisi Üretim Yöntemleri ve Verimliliklerinin Değerlendirilmesi**
AKTAŞ K., İÇEMER G.
Ulusal Çevre Mühendisliği Kongresi, Ankara, Turkey, 12 - 14 September 2013, pp.511-516
- XVI. **Hidrojen enerjisi üretim yöntemleri ve verimliliklerinin değerlendirilmesi**
AKTAŞ K., İÇEMER G.
10. Ulusal Çevre Mühendisliği Kongresi, Ankara, Turkey, 12 - 14 September 2013, pp.511-518
- XVII. **Plastik Alışveriş Torbalarının Çevresel Etkileri ve Çözüm Önerileri**
AKTAŞ K., TOPKAYA M. B.
Ulusal Katı Atık Yönetimi Kongresi, Kocaeli, Turkey, 29 May - 01 June 2013, pp.109-110
- XVIII. **Effects of the Coagulation Medium and Polymeric Additives on Protein Fouling of Polymeric Membranes**
Çelik E., Çakmakçı Ö., Aktaş K., Aygör U.
IWA 3rd Regional Conference in Membrane Technology, Buenos Aires, Argentina, 2 - 05 December 2012

Supported Projects

TUBITAK Project, Taç Eter ile Modifiye Edilmiş Manyetik (Fe₃O₄) Nanopartiküller ile Sentetik İçme Suyundan Arsenik Giderimi, 2019 - Continues

AKTAŞ K., Other International Funding Programs, NSF Nanosystems Engineering Research Center for Nanotechnology Enabled Water Treatment Systems, 2019 - 2020

ERDEM ÜNŞAR A., ASİLTÜRK M., Günay A., Özkaleli M., AKTAŞ K., Project Supported by Higher Education Institutions, Katalizör Desteği Olarak Aktif Karbon Sentezinde Turunç Kabuklarının Kullanımı ve Boyar Madde Giderimi Üzerine Etkinliğinin Araştırılması, 2016 - 2018

AKTAŞ K., EU Framework Program Project, Innovative Plasma Based Transformation of Food Waste Into High Value Graphitic Carbon and Renewable Hydrogen, 2014 - 2014

AKTAŞ K., TUBITAK Project, Polivinil piroliden katkılı polietir sülfon membranlara koagülasyon ortamının etkileri, 2011 - 2012

Memberships / Tasks in Scientific Organizations

Society of Environmental Toxicology and Chemistry, Member, 2017 - 2018

Metrics

Publication: 28

Citation (WoS): 2

Citation (Scopus): 12

H-Index (WoS): 1

H-Index (Scopus): 2

Scholarships

Visiting Researcher, Fulbright Program, 2019 - Continues

2210-C Öncelikli Alanlara Yönelik Yüksek Lisans Burs Programı, TUBITAK, 2014 - Continues