

Assoc. Prof. ELİF ÇALIŞKAN SALİHİ

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Education Information

Post Doctorate, University of Newcastle Upon Tyne, Kimya Mühendisliği ve İleri Malzemeler, United Kingdom 2013 - 2014

Doctorate, Istanbul University, Mühendislik Fakültesi, Kimya Bölümü, Turkey 2007 - 2011

Postgraduate, Marmara University, Faculty Of Pharmacy, Basic Pharmaceutical Sciences, Turkey 2004 - 2007

Undergraduate, Istanbul University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1998 - 2004

Dissertations

Doctorate, Bazı ilaç etken maddelerinin sulu ortamda ve yüzey aktif maddeler varlığında adsorpsiyonunun incelenmesi, İstanbul Üniversitesi, Mühendislik Fakültesi, Kimya Bölümü, 2011

Postgraduate, Sulu çözeltilerden sülfametoksazolün uzaklaştırılması, Marmara Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2007

Research Areas

Chemistry

Academic Titles / Tasks

Associate Professor, Marmara University, Faculty Of Pharmacy, Basic Pharmaceutical Sciences, 2018 - Continues

Assistant Professor, Marmara University, Faculty Of Pharmacy, Basic Pharmaceutical Sciences, 2017 - 2018

Lecturer PhD, Marmara University, Faculty Of Pharmacy, Basic Pharmaceutical Sciences, 2012 - 2017

Lecturer PhD, University of Newcastle Upon Tyne, Chemical Engineering And Advanced Materials, 2013 - 2014

Research Assistant, Marmara University, Faculty Of Pharmacy, Basic Pharmaceutical Sciences, 2007 - 2012

Researcher, Instituto Nacional del Carbon, Spain, İspanya Ulusal Karbon Enstitüsü, Enerji ve Çevre Bölümü, 2010 - 2010

Courses

Nanoadsorbents and Graphene, Postgraduate, 2021 - 2022

Removal of Pharmaceuticals from Waters, Postgraduate, 2021 - 2022

Nanomaterials and Nanotechnology, Postgraduate, 2021 - 2022

Kolloit Sistemler, Undergraduate, 2021 - 2022

Eczacılıkta yeşil kimya ve sürdürülebilir üretim, Undergraduate, 2021 - 2022

İleri Yüzey Kimyası , Postgraduate, 2021 - 2022

Supramoleküler kimya, Postgraduate, 2021 - 2022

Advising Theses

Çalışkan Salihi E., Bingöl Özakpınar Ö., Karbon Nanoliflere Yüklenmiş Doksorubisin/Vitamin D/Rutin Kombinasyonunun Meme Kanseri Hücreleri Üzerindeki Antiproliferatif ve Apoptotik Etkilerinin in vitro Araştırılması, Postgraduate, M.Gürboğa(Student), Continues

Çalışkan Salihi E., Karbon nanolifler üzerinde triflupromazin hidroklorür adsorpsiyonunun incelenmesi, Postgraduate, E.CEREN(Student), 2020

Çalışkan Salihi E., İlaç taşıyıcı sistem uygulamaları için grafen esaslı malzemeler üretilmesi, Postgraduate, K.DEMİRHAN(Student), 2020

Çalışkan Salihi E., Bentonit ve organobentonit ile sulardan izoniazid'in giderilmesi, Postgraduate, Z.GÜNDÜZ(Student), 2017

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

- I. **Adsorptive removal of antipsychotic drug by carbon nanofibers in a batch and fixed bed column system**
ÇALIŞKAN SALİHİ E., Tulay E. C.
PARTICULATE SCIENCE AND TECHNOLOGY, 2022 (Journal Indexed in SCI)
- II. **Green and one step modification of graphene oxide using natural substances**
Demirhan K., Bingöl Özakpınar Ö., Çalışkan Salihi E.
FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES, vol.29, no.9, pp.716-723, 2021 (Journal Indexed in SCI)
- III. **Preparation and characterization of surfactant loaded clays as drug adsorbents**
ÇALIŞKAN SALİHİ E., CANTÜRK TALMAN R. Y. , GÖKTÜRK S.
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, 2021 (Journal Indexed in SCI)
- IV. **Graphene oxide as a new generation adsorbent for the removal of antibiotics from waters**
ÇALIŞKAN SALİHİ E., Wang J., Kabacaoglu G., Kirkulak S., Siller L.
SEPARATION SCIENCE AND TECHNOLOGY, 2020 (Journal Indexed in SCI)
- V. **Fast retention of isoniazid on organobentonite prepared using green chemistry approach: contribution of the π interactions**
ÇALIŞKAN SALİHİ E., Gündüz Z., Baştuğ A. S.
Separation Science and Technology (Philadelphia), vol.54, no.16, pp.2695-2705, 2019 (Journal Indexed in SCI)
- VI. **Green reduction of graphene oxide using alanine**
Wang J., Salihi E., Siller L.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.72, pp.1-6, 2017 (Journal Indexed in SCI)
- VII. **Adsorptive characteristics of isoniazid on powdered activated carbon: - Dispersion interactions at the solid-solution interface**
ÇALIŞKAN SALİHİ E., AYDIN E.
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, vol.38, no.4, pp.457-462, 2017 (Journal Indexed in SCI)
- VIII. **Enhanced removal of nickel(II) ions from aqueous solutions by SDS-functionalized graphene oxide**
Salihi E., Wang J., Coleman D. J. L. , Siller L.
SEPARATION SCIENCE AND TECHNOLOGY, vol.51, no.8, pp.1317-1327, 2016 (Journal Indexed in SCI)
- IX. **REMOVAL OF ETHACRIDINE LACTATE FROM AQUEOUS SOLUTIONS ONTO BENTONITE AND ACTIVATED CARBON**
Cantürk Talman R. Y. , Çalışkan Salihi E., Göktürk S., Bastug A. S.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.24, no.11, pp.3603-3608, 2015 (Journal Indexed in SCI)

- X. **Equilibrium and kinetic adsorption of drugs on bentonite: Presence of surface active agents effect**
ÇALIŞKAN SALİHİ E., Mahramanlioglu M.
APPLIED CLAY SCIENCE, vol.101, pp.381-389, 2014 (Journal Indexed in SCI)
- XI. **Low temperature regeneration of activated carbons using microwaves: Revising conventional wisdom**
Caliskan E., Bermudez J. M. , Parra J. B. , Menendez J. A. , Mahramanlioglu M., Ania C. O.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.102, pp.134-140, 2012 (Journal Indexed in SCI)
- XII. **A Study on Solubilization of Poorly Soluble Drugs by Cyclodextrins and Micelles: Complexation and Binding Characteristics of Sulfamethoxazole and Trimethoprim**
GÖKTÜRK S., ÇALIŞKAN SALİHİ E., CANTÜRK TALMAN R. Y. , Var U.
SCIENTIFIC WORLD JOURNAL, 2012 (Journal Indexed in SCI)
- XIII. **Formation constants and coordination thermodynamics for binary complexes of Cu(II) and some alpha-amino acids in aqueous solution**
BAŞTUĞ A. S. , Goz S. E. , Talman Y., GÖKTÜRK S., Asil E., Caliskan E.
JOURNAL OF COORDINATION CHEMISTRY, vol.64, no.2, pp.281-292, 2011 (Journal Indexed in SCI)
- XIV. **Adsorption Characteristics of Sulfamethoxazole and Metronidazole on Activated Carbon**
Çalışkan Salih E., Göktürk S.
SEPARATION SCIENCE AND TECHNOLOGY, vol.45, pp.244-255, 2010 (Journal Indexed in SCI)
- XV. **The removal of anionic naphthalene derivatives by the adsorbents produced from used tires**
Mahramanlioglu M., Bicer I. O. , Misirli T., Caliskan E., Guel S., Misirli C.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.15, pp.1150-1155, 2006 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Sulardan Vitamin Arıtımı: Nikotik Asit Adsorpsiyonu**
ÇALIŞKAN SALİHİ E., Terzi S. M. , GÖKTÜRK S.
Deu Muhendislik Fakultesi Fen ve Muhendislik, vol.23, 2021 (Other Refereed National Journals)
- II. **Adsorption of metamizole sodium by activated carbon in simulated gastric and intestinal fluids**
ÇALIŞKAN SALİHİ E.
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.5, no.1, pp.237-246, 2018 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **Marmara Üniversitesi Eczacılık Fakültesi Genişletilmiş Eğitim Programı Detay Çalışması 2019**
CÜCÜ A., ERDOĞAN G., ŞENER A., ÖZSAVCI D., GÖKTÜRK S., ÇALIŞKAN SALİHİ E., BULUT G., DOĞAN A., SOYOĞUL GÜRER Ü., RAYAMAN E., et al.
MARMARA ÜNİVERSİTESİ YAYINEVİ, İstanbul, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **Adsorption characteristics of isoniazid on graphene oxide**
ÇALIŞKAN SALİHİ E., Kırkulak S., Wang J., Siller L.
12. International Symposium on Pharmaceutical Sciences (ISOPS), 26 - 29 June 2018
- II. **Study on the interaction of imipramine hydrochloride with natural adsorbents and surfactants**
ÖNSÖZ E., ÇALIŞKAN SALİHİ E., GÖKTÜRK S.
International Meeting on Education and Research in Health Sciences (IMER-HS), 3 - 05 November 2017
- III. **Graphene oxide for the adsorptive removal of trimethoprim: Equilibrium and kinetic study**

ÇALIŞKAN SALİHİ E., KABACAOĞLU G., WANG J., SILLER L.

16th International Conference on Chemistry and the Environment (ICCE 2017), 18 - 22 June 2017

- IV. **Equilibrium adsorption of ephedrine on natural bentonite**
ÇALIŞKAN SALİHİ E.
3. International Convention of Pharmaceuticals and Pharmacies, 26 - 29 April 2017
- V. **Metamizol Sodyum un aktif karbon üzerindeki in vitro adsorpsiyonunun incelenmesi**
ÇALIŞKAN SALİHİ E.
I. Ulusal Marmara Eczacılık Kongresi, Turkey, 3 - 05 November 2016
- VI. **Effect of pH and acid base properties of clay surface on the adsorption of isoniazid**
ÇALIŞKAN SALİHİ E., GÜNDÜZ Z., BAŞTUĞ A. S.
5th Mediterranean Clay Meeting, 25 - 29 September 2016
- VII. **Adsorption kinetics of the removal of dipyrone from aqueous solutions**
ÇALIŞKAN SALİHİ E.
International Congress on Fundamental and Applied Sciences, 22 - 26 August 2016
- VIII. **Organo modified bentonite for the adsorption of isoniazid A green chemistry approach for adsorbent preparation**
GÜNDÜZ Z., ÇALIŞKAN SALİHİ E., BAŞTUĞ A. S.
6th International Advances in Applied Physics and Materials Science Congress, 1 - 03 June 2016
- IX. **Adsorption of isoniazid by activated carbon**
AYDIN E., ÇALIŞKAN SALİHİ E.
1st International Gazi Pharma Symposium Series, 12 - 15 November 2015
- X. **Effect of the operating conditions on the green reduction of Graphene Oxide using Alanine**
ÇALIŞKAN SALİHİ E., WANG J., SILLER L.
2nd EuCheMS Congress on Green and Sustainable Chemistry, 4 - 07 October 2015
- XI. **Adsorptive Removal of Drugs in the Presence of Surfactants**
ÇALIŞKAN SALİHİ E., MAHRAMANLIOĞLU M. R. B.
2nd EuCheMS Congress on Green and Sustainable Chemistry, 4 - 07 October 2015
- XII. **Removal of nickel (II) from aqueous solutions by modified graphen oxide**
ÇALIŞKAN SALİHİ E., WANG J., SILLER L.
13. Mediterranean Congress of Chemical Engineering, 30 September - 03 October 2014
- XIII. **Chemical regeneration or activated carbon loaded with pharmaceuticals**
ÇALIŞKAN SALİHİ E., MAHRAMANLIOĞLU M. R. B.
Fourth International Meeting on Pharmacy Pharmaceutical Sciences, 18 - 21 September 2014
- XIV. **Effect of ionic surfactants on the activated carbon adsorption of drugs**
ÇALIŞKAN SALİHİ E., MAHRAMANLIOĞLU M. R. B.
Fourth International Meeting on Pharmacy Pharmaceutical Sciences, 18 - 21 September 2014
- XV. **Sülfametoksazol ün misellerle ve siklodekstrinlerle çözündürülmesinin araştırılması**
GÖKTÜRK S., ÇALIŞKAN SALİHİ E., CANTÜRK TALMAN R. Y.
26.Ulusal Kimya Kongresi, Muğla, Turkey, 1 - 06 October 2012, pp.255-256
- XVI. **Solubilization Behaviour of Poorly Soluble Drugs by Cosolvents**
GÖKTÜRK S., ÇALIŞKAN SALİHİ E., CANTÜRK TALMAN R. Y., ERDİNÇ N.
ISOPS-10th International Congress on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2012
- XVII. **Micellar solubilization of poorly water soluble drugs and inclusion complex formation with cyclodextrins**
GÖKTÜRK S., ÇALIŞKAN SALİHİ E., CANTÜRK TALMAN R. Y.
10th International Symposium on Pharmaceutical Sciences (ISOPS-10), 26 - 29 June 2012
- XVIII. **Activated carbon adsorption of triflupromazine from aqueous solutions**
ÇALIŞKAN SALİHİ E., MAHRAMANLIOĞLU M. R. B.
43rd IUPAC World Chemistry Congress, 31 July - 05 August 2011
- XIX. **Surface modification of activated carbons for enhanced fluoride adsorption: Effect of impregnation with aluminum and lanthanum**

ÇALIŞKAN SALİHİ E., MAHRAMANLIOĞLU M. R. B.

6th EFCATS Summer School, 13 - 19 September 2010

- XX. **Solution Behaviour of phenothiazine drug Thioridazine Hydrochloride in anionic micellar environment**
ERDİNÇ N., ÇALIŞKAN SALİHİ E., GÖKTÜRK S.
IMPPS-3-Third International Meeting on Pharmacy and Pharmaceutical Sciences, İstanbul, Turkey, 9 - 12 June 2010
- XXI. **Low temperature regeneration of activated carbons loaded with pharmaceuticals: Microwave vs conventional heating**
ÇALIŞKAN SALİHİ E., Bermudez Menendez J. M. , Parra J. B. , J Angel M., MAHRAMANLIOĞLU M. R. B. , Ovin Ania C.
XXXV Reunion Iberica de Adsorción, 8 - 10 September 2010
- XXII. **A comparative solubility enhancement of poorly soluble drugs with sodiumdodecylsulfate micelles and beta cyclodextrin**
ÇAKIR N., ÇALIŞKAN SALİHİ E., GÖKTÜRK S.
3rd International Meeting on Pharmacy and Pharmaceutical Sciences, 9 - 12 June 2010
- XXIII. **Solution behaviour of amphiphilic phenothiazine drug thioridazine hydrochloride in anionic micellar environment**
ÇAKIR N., ÇALIŞKAN SALİHİ E., GÖKTÜRK S.
Third International Meeting on Pharmacy - Pharmaceutical Sciences, 9 - 12 June 2010
- XXIV. **A comparative solubility enhancement of poorly soluble drugs with sodiumdodecylsulfate micelles and cyclodextrin**
GÖKTÜRK S., ÇALIŞKAN SALİHİ E., CANTÜRK TALMAN R. Y.
Third International Meeting on Pharmacy - Pharmaceutical Sciences, 9 - 12 June 2010
- XXV. **Adsorption kinetics of rivanol on activated carbon from aqueous solutions**
Cantürk Talman R. Y. , Göktürk S., Baştuğ A. S. , Çalışkan Salihi E.
EMChIE2010 6th European Meeting on Chemical Industry and Environment, Mechelen, Belgium, 17 - 19 May 2010, pp.815-821
- XXVI. **Etakridin laktat in aktif karbon üzerinde adsorpsiyonu**
Cantürk Talman R. Y. , Göktürk S., Baştuğ A. S. , Çalışkan Salihi E.
XXII. Ulusal Kimya Kongresi, Gazimagusa, Cyprus (Kktc), 6 - 10 October 2008, pp.151
- XXVII. **Removal of sulfamethoxazole from aqueous solutions**
ÇALIŞKAN SALİHİ E., GÖKTÜRK S.
18th International Congress of Chemical and Process Engineering, Separation Process, 24 - 28 August 2008
- XXVIII. **Bonds between chemistry and ethics within the scope of education**
ÇALIŞKAN SALİHİ E.
9. European Conference on Research in Chemical Education, 6 - 09 July 2008
- XXIX. **The origin of physical chemistry education in Türkiye**
BAŞTUĞ A. S. , BAŞTUĞ E., ÇALIŞKAN SALİHİ E.
9. European Conference on Research in Chemical Education, 6 - 09 July 2008
- XXX. **A study of metronidazole adsorption on activated charcoal**
ÇALIŞKAN SALİHİ E., GÖKTÜRK S.
Chemical Physics Conference VIII, 24 - 25 April 2008
- XXXI. **Kimyacı ve filozof Ebu Bekir Razi**
ÇALIŞKAN SALİHİ E., ATA M.
TKD 1. Ulusal Kimya Eğitimi Kongresi, Turkey, 20 - 22 June 2007
- XXXII. **Adsorption of fluoride from aqueous solutions by acid treated activated carbon**
ÇALIŞKAN SALİHİ E., MAHRAMANLIOĞLU M. R. B.
17th International Congress of Chemical and Process Engineering, 27 - 31 August 2006
- XXXIII. **Kirletilmiş topraktan elde edilen adsorbent ile boyar madde uzaklaştırılması**
ÇINARLI A., KIZILCIKLI İ., ÇALIŞKAN SALİHİ E., MAHRAMANLIOĞLU M. R. B.
Mühendislik Bilimleri Genç Araştırmacılar II. Kongresi, Turkey, 17 - 19 November 2005
- XXXIV. **The removal of anionic naphthalene derivatives by the adsorbents produced from used tires**

MAHRAMANLIOĞLU M. R. B. , MISIRLI T., ÇALIŞKAN SALİHİ E., ÇINAR MISIRLI S. G.

13th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, 8 - 12 October 2005

Supported Projects

Çalışkan Salihi E., Project Supported by Higher Education Institutions, Karbon nanolifler üzerinde triflupromazin hidroklorür adsorpsiyonunun incelenmesi, 2018 - 2020

Çalışkan Salihi E., Project Supported by Higher Education Institutions, İlaç taşıyıcı sistem uygulamaları için grafen esaslı malzemeler üretilmesi, 2018 - 2020

Çalışkan Salihi E., Cantürk Talman R. Y. , Göktürk S., Project Supported by Higher Education Institutions, Yüzey aktif madde kullanılarak üretilen organokillerin fizikokimyasal karakterizasyonu ve özelliklerinin ilaç adsorpsiyonuna olan etkisi, 2017 - 2020

Cantürk Talman R. Y. , Göktürk S., Çalışkan Salihi E., Baştuğ S., Project Supported by Higher Education Institutions, Etakridin Laktat ın Aktif Karbon ve Doğal Bentonit Kullanılarak Sulu Çözeltilerden Uzaklaştırılması, 2008 - 2016

Patent

Çalışkan Salihi E., Demirhan K., Graphene based materials produced from graphene oxide and the production method thereof, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Recourse Number: 2019/00636 , Standard Registration, 2019

Citations

Total Citations (WOS):394

h-index (WOS):8

Scholarships

Yurtdışı Doktora Araştırma Bursu, YOK, 2010 - 2010