

Prof. Esengül KIR

Personal Information

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Education Information

Doctorate, Selcuk University, Fen Bilimleri Enstitüsü, Kimya, Turkey Continues

Post Graduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Kimya, Turkey Continues

Under Graduate, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Kimya, Turkey 1986 - 1991

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Kırmızı çamurdan metallerin geri kazanılması ve değerlendirilme yollarının araştırılması, Selcuk University, Fen Bilimleri Enstitüsü, Kimya, 2002

Post Graduate, Isparta İli içme suyu kaynaklarında nitrat fosfat ve florür dağılımının araştırılması, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Kimya, 1996

Research Areas

Chemistry, Analytical Chemistry, Separation Methods, Natural Sciences

Academic Titles / Tasks

Professor, Suleyman Demirel University, Fen-Edebiyat Fakültesi, Kimya, 2013 - Continues

Associate Professor, Suleyman Demirel University, Fen-Edebiyat Fakültesi, Kimya, 2007 - 2013

Assistant Professor, Suleyman Demirel University, Fen-Edebiyat Fakültesi, Kimya, 2003 - 2007

Research Assistant, Selcuk University, Fen-Edebiyat Fakültesi, Kimya, 1999 - 2003

Research Assistant, Suleyman Demirel University, Fen-Edebiyat Fakültesi, Kimya, 1993 - 1999

Advising Theses

KIR E., Bazı doğal adsorban maddeler kullanılarak sudan florür uzaklaştırılması, Post Graduate, H.ORUÇ(Student), 2014

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

- I. **Chemical modification of expanded glass aggregate with N-Benzoyl-N'-(4-methylphenyl) thiourea (TTU) for the adsorptive removal of Cr(III) ion**
Sardohan-Koseoglu T., ÖĞÜL U. B., KIR E., Karipcin F.
ARABIAN JOURNAL OF CHEMISTRY, vol.12, pp.772-779, 2019 (Journal Indexed in SCI)
- II. **Preparation and characterisation of thiol functionalised p-tert-butylcalix[4]arene-embedded polymer inclusion membranes: performance and selectivity**
ENGİN M. S., SAYIN S., ÇAY S., KIR E., Sardohan-Koseoglu T.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.99, pp.1103-1111, 2019 (Journal Indexed in SCI)
- III. **Investigation of Antibacterial Properties of Ag Doped TiO₂ Nanofibers Prepared by Electrospinning Process**
Bezir N., Evcin A., DİKER R., ÖZCAN B., KIR E., Akarca G., ÇETİN E. S., KAYALI R., Ozen M. K.
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- IV. **Recovery of nutrients from digested sludge as struvite with a combination process of acid hydrolysis and Donnan dialysis**
UYSAL A., TUNCER D., KIR E., Koseoglu T. S.
WATER SCIENCE AND TECHNOLOGY, vol.76, pp.2733-2741, 2017 (Journal Indexed in SCI)
- V. **Voltammetric determination of mercury(II) using a modified pencil graphite electrode with 4-(4-methylphenyl aminoisonitrosoacetyl)biphenyl**
Ozkorucuklu S. P., Yildirim G., Koseoglu T. S., Karipcin F., KIR E.
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.14, pp.1651-1657, 2017 (Journal Indexed in SCI)
- VI. **Preparation and characterization of magnetic polysulfone/thiourea microcapsules and their application for Cr(III) removal**
Sardohan-Koseoglu T., Dogan S., Karipcin F., KIR E., Engin M. S.
DESALINATION AND WATER TREATMENT, vol.72, pp.235-242, 2017 (Journal Indexed in SCI)
- VII. **Removal of fluoride from aqueous solution by natural and acid-activated diatomite and ignimbrite materials**
KIR E., ORUÇ H., KIR İ., Sardohan-Koseoglu T.
DESALINATION AND WATER TREATMENT, vol.57, pp.21944-21956, 2016 (Journal Indexed in SCI)
- VIII. **Preparation and analytical application of the novel Hg(II)-selective membrane electrodes based on oxime compounds**
SARDOHAN-KOSEOGLU T., KIR E., DEDE B.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.444, pp.17-23, 2015 (Journal Indexed in SCI)
- IX. **Purification, immobilization, and characterization of protease from local Bacillus subtilis M-11**
ŞAHİN S., ÖZMEN İ., KIR E.
ASIA-PACIFIC JOURNAL OF CHEMICAL ENGINEERING, vol.10, pp.241-247, 2015 (Journal Indexed in SCI)
- X. **Facilitated Transport of Ni(II) through Supported Liquid Membranes Containing Dithiophosphonates as Ion Carrier**
KIR E., YALIMLI S., KURTULMUŞ S., AYDIN A., Yılmaz H.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.190, pp.178-190, 2015 (Journal Indexed in SCI)
- XI. **Synthesis, characterization, and sorption properties of silica gel-immobilized Schiff base derivatives**
KIR E., ÇELİK M., Sevinc G., Karipcin F., DEDE B.
DESALINATION AND WATER TREATMENT, vol.52, pp.6530-6541, 2014 (Journal Indexed in SCI)
- XII. **Synthesis, Characterization and Electrochemical Behavior of a New Diimine-Dioxime Compound and Its Application in Developing Hg(II)-Selective Membrane Electrode**
SARDOHAN-KOSEOGLU T., KIR E., PERCIN-OZKORUCUKLU S., DEDE B., Karipcin F.
JOURNAL OF ANALYTICAL CHEMISTRY, vol.69, pp.395-401, 2014 (Journal Indexed in SCI)
- XIII. **Voltammetric behavior and determination of doxycycline in pharmaceuticals at molecularly imprinted and non-imprinted overoxidized polypyrrole electrodes**
Gurler B., Ozkorucuklu S. P., KIR E.

- JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.84, pp.263-268, 2013 (Journal Indexed in SCI)
- XIV. **Removal of Cr(III) from aqueous solutions using P-EAn and P-MAn/PVDF composite membranes**
Gurler B., Ozkorucuklu S. P. , KIR E., Ozdemir K.
DESALINATION AND WATER TREATMENT, vol.51, pp.5721-5726, 2013 (Journal Indexed in SCI)
- XV. **Removal of Cr(III) and Cu(II) using poly(2-chloroaniline)/polyvinylidene fluoride composite cation-exchange membranes by Donnan dialysis**
KIR E., Percin Ozkorucuklu S., Sardohan Koseoglu T., Karamizrak E.
TURKISH JOURNAL OF CHEMISTRY, vol.37, pp.195-203, 2013 (Journal Indexed in SCI)
- XVI. **Preparation and transport properties of PPy/PVDF composite membrane**
Ozkorucuklu S. P. , Ozdemir K., KIR E.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.23, pp.1202-1206, 2012 (Journal Indexed in SCI)
- XVII. **Boron removal from aqueous solution by using plasma-modified and unmodified anion-exchange membranes**
KIR E., Gurler B., Gulec A.
DESALINATION, vol.267, pp.114-117, 2011 (Journal Indexed in SCI)
- XVIII. **Preparation and characterization of P2FAn/PVDF composite cation-exchange membranes for the removal of Cr(III) and Cu(II) by Donnan dialysis**
Koseoglu T. S. , KIR E., Ozkorucuklu S. P. , KARAMIZRAK E.
REACTIVE & FUNCTIONAL POLYMERS, vol.70, pp.900-907, 2010 (Journal Indexed in SCI)
- XIX. **Removal of Cr(III) and Cr(VI) through the plasma modified and unmodified ion-exchange membranes**
Sardohan T., KIR E., Gulec A., Cengeloglu Y.
SEPARATION AND PURIFICATION TECHNOLOGY, vol.74, pp.14-20, 2010 (Journal Indexed in SCI)
- XX. **Removal of calcium and magnesium using polyaniline and derivatives modified PVDF cation-exchange membranes by Donnan dialysis**
Sahin M., Gorcay H., Kir E., Sahin Y.
REACTIVE & FUNCTIONAL POLYMERS, vol.69, pp.673-680, 2009 (Journal Indexed in SCI)
- XXI. **Potentiometric Determination of pKa Values of Some Quinolones in Methanol-water and Acetonitrile-water Binary Mixtures**
Sardohan T., KIR E.
CHEMIA ANALITYCZNA, vol.54, pp.629-642, 2009 (Journal Indexed in SCI)
- XXII. **Plasma modification of the anion-exchange membrane and its influence on fluoride removal from water**
ALKAN E., KIR E., ÖKSÜZ L.
SEPARATION AND PURIFICATION TECHNOLOGY, vol.61, pp.455-460, 2008 (Journal Indexed in SCI)
- XXIII. **Fluoride removal by Donnan dialysis with plasma-modified and unmodified anion-exchange membranes**
Kir E., Alkan E.
DESALINATION, vol.197, pp.217-224, 2006 (Journal Indexed in SCI)
- XXIV. **Preparation of poly (2-chloroaniline) membrane and plasma surface modification**
Kir E., Oksuz L., HELHEL S.
APPLIED SURFACE SCIENCE, vol.252, pp.3574-3579, 2006 (Journal Indexed in SCI)
- XXV. **Recovery and concentration of metals from red mud by Donnan dialysis**
Cengeloglu Y., KIR E., Ersoz M., Buyukerkek T., Gezgin S.
Colloids and Surfaces A: Physicochemical and Engineering Aspects, vol.223, pp.95-101, 2003 (Journal Indexed in SCI)
- XXVI. **Transport of hexavalent chromium through anion-exchange membranes**
Çengelöğlü Y., Tor A., KIR E., Ersöz M.
Desalination, vol.154, pp.239-246, 2003 (Journal Indexed in SCI)
- XXVII. **Removal of fluoride from aqueous solution by using red mud**
Çengelöğlü Y., KIR E., Ersöz M.

- Separation and Purification Technology, vol.28, pp.81-86, 2002 (Journal Indexed in SCI)
- XXVIII. **Recovery and concentration of Al(III), Fe(III), Ti(IV), and Na(I) from red mud**
Cengeloglu Y., Kir E., Ersoz M.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.244, pp.342-346, 2001 (Journal Indexed in SCI)
- XXIX. **Sorption of nickel and iron on polysulfone cation exchange membranes**
Kir E., Cengeloglu Y., Ersoz M.
COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, vol.66, pp.1420-1428, 2001 (Journal Indexed in SCI)
- XXX. **Transport of Cu(II) ions through charged cation-exchange membranes**
Ersoz M., Cengeloglu Y., Kir E., Koyuncu M., Yazicigil Z.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.81, pp.421-427, 2001 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Destekli Sıvı Membranların Hazırlanması, Karakterizasyonu ve Ayırma İşlemlerinde Kullanılması**
ILGAZ F., KIR E., SARDOHAN KÖSEOĞLU T., DEDE B.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.23, pp.204-211, 2019 (National Refreed University Journal)
- II. **Antibacterial Properties of Different Ratio Ce Doped TiO₂ Nanofibers Prepared by Electrospinning Process**
Bezir N., Evcin A., ŞENOL E., ÖZCAN B., KIR E., Akarca G., Cetin E. S. , KAYALI R., Ozen M. K.
MATERIALS FOCUS, vol.7, pp.599-603, 2018 (Journal Indexed in ESCI)
- III. **Ditiyofosfatlar Kullanılarak Yenilikçi Polisülfon Mikrokapsül Geliştirilmesi ve Ni(II) İyonu Giderim Performansının Belirlenmesi**
SARDOHAN KÖSEOĞLU T., KIR E., KIR B., AYDIN A., ORAZOVA M., BAYRİYEVA J., YOLDASHOVA D., ÇILGIN F. N.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, pp.794, 2018 (Other Refereed National Journals)
- IV. **Soğan Allium cepa ve Sarımsaktaki Allium sativum Bazı Fenolik Bileşiklerin HPLC Yöntemiyle Tayin Edilmesi**
YÜNLÜ S., KIR E.
SDÜ Fen Bilimleri Enstitüsü Dergisi, vol.20, pp.566-574, 2016 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of Structural Properties of Pure and Ce-Doped Chitosan Nanofibers Fabricated by Electrospinning Method**
ÇİÇEK BEZİR N., EVCİN A., ŞENOL E., ÖZCAN B., KIR E., AKARCA G.
5th International Conference on Computational and Experimental Science and Engineering (ICCESEN 2018), Antalya/Kemer, Turkey, 12 - 16 October 2018
- II. **Production and Characterization of Silver-Doped Chitosan Nano fibers at Different Rates**
ÇİÇEK BEZİR N., EVCİN A., BOZKURT B., ÖZCAN B., KIR E., AKARCA G.
5th International Conference on Computational and Experimental Science and Engineering (ICCESEN 2018), Antalya/Kemer, Turkey, 12 - 16 October 2018
- III. **Application of Furfurylamine Bound Keto-Oxime Compound as Modifier in the Voltammetric Determination of Nickel(II) Ion**
SARDOHAN KÖSEOĞLU T., ASRI H., KIR E., DEDE B.
1st INTERNATIONAL HEALTH SCIENCE AND LIFE CONGRESS (IHSLC 2018), 2 - 05 May 2018
- IV. **Elektrospinning Yöntemiyle Üretilen Gümüş Katkılanmış Kitosan Nanofiberlerin Bakteri Üzerindeki Etkisinin İncelenmesi**

ÇİÇEK BEZİR N., BOZKURT B., ÖZCAN B., ŞAHİN S., KIR E., EVCİN A., AKARCA G.

I. Uluslararası Bilimsel ve Mesleki Çalışmalar Kongresi, Nevşehir, Turkey, 5 - 08 October 2017

- V. **Preparation of Nanofiber membranes, characterization and using in separation process**
Özcan B., KIR E., ÇİÇEK BEZİR N., ŞAHİN S., ÖZMEN İ.
I. International Scientific and Vocational Studies Congress (BILMES 2017), 5 - 08 October 2017
- VI. **Investigation of Antibacterial Properties of Ce Doped TiO₂ Nanofibers Prepared by Electrospinning Process**
ÇİÇEK BEZİR N., EVCİN A., ŞENOL E., ÖZCAN B., AKARCA G., KIR E., KAYALI R.
4th International Conference on Computational and Experimental Science and Engineering (ICCESSEN-2017), Antalya, Turkey, 4 - 08 October 2017, pp.729
- VII. **Investigation of Antibacterial Properties of Ag Doped TiO₂ Nanofibers Prepared by Electrospinning Process**
ÇİÇEK BEZİR N., EVCİN A., DİKER R., ÖZCAN B., KIR E., AKARCA G., KAYALI R.
4th International Conference on Computational and Experimental Science and Engineering, Antalya, Turkey, 4 - 08 October 2017
- VIII. **4-(4-Klorofenilaminoisonitrosoasetil) bifenil (KAKO) ile Modifiye Edilmiş Genleştirilmiş Cam Küreciklerin Karakterizasyonu ve Ni(II) Giderimi. September 21-24, 2017 Isparta / TURKEY.**
SARDOHAN KÖSEOĞLU T., KIR B., DEDE B., KIR E., KARİPCİN F.
International Congress of the New Approaches and Technologies for Sustainable Development, 21 - 24 September 2017
- IX. **Characterization of Modified Expanded Glass Beads with 4-(4-Chlorophenylaminoisonitrosoacetyl) biphenyl and Ni(II) Removal**
SARDOHAN KÖSEOĞLU T., KIR B., DEDE B., KIR E., KARİPCİN F.
International Congress of the New Approaches and Technologies for Sustainable Development, Isparta, Turkey, 21 - 24 September 2017
- X. **Antibacterial Properties of Chitosan Nano Fibers Silver-Doped at Different Rates**
ÇİÇEK BEZİR N., BOZKURT B., ÖZCAN B., ÇETİN E. S. , KIR E., EVCİN A., AKARCA G., KAYALI R.
33rd International Physics Congress, BODRUM, Turkey, 6 - 10 September 2017
- XI. **Antibacterial Properties of Cerium-Doped Chitosan Nanofibers at Different Rates**
ÇİÇEK BEZİR N., ŞENOL E., ÖZCAN B., ÇETİN E. S. , KIR E., EVCİN A., AKARCA G., KAYALI R.
33rd International Physics Congress, BODRUM, Turkey, 6 - 10 September 2017
- XII. **Investigation of Electrochemical Behavior of Nickel(II) Ions with Modified Dithiophosphate Electrodes**
Yaldız Ç., SARDOHAN KÖSEOĞLU T., KIR E., KIR B., ÇALIŞ Ö., AYDIN A.
IMCOFE, Rome, ITALY., 23 - 25 August 2017
- XIII. **Preparation of Polymer Based Membranes, Characterization and Using in Separation Process**
İlgaz F., KIR E., SARDOHAN KÖSEOĞLU T.
I. International Scientific and Vocational Studies Congress, 5 - 08 October 2017
- XIV. **Development of Chitosan PVA Silver Membrane with Antimicrobial Activity**
SARDOHAN KÖSEOĞLU T., POYRAZOĞLU ÇOBAN E., KIR E., BİYİK H. H. , ŞAHİN S.
10. Aegean Analytical Chemistry Days, Canakkale, Turkey, 29 September - 02 October 2016
- XV. **Recovery of Nutrients from Digested Sludge as Struvite with a Combination Process of Acid Hydrolysis and Donnan Dialysis**
UYSAL A., Tuncer D., KIR E., SARDOHAN KÖSEOĞLU T.
3rd International Conference on Recycling and Reuse, İstanbul, Turkey, 28 - 30 September 2016, pp.74-75
- XVI. **Phosphorus recovery from hydrolysed sewage sludge liquid containing metals using donnan dialysis**
UYSAL A., Tuncer D., KIR E., Koseoglu T. S.
Proceedings of the 2nd World Congress on New Technologies, NEWTECH 2016, Budapest, Hungary, 18 - 19 August 2016
- XVII. **Çürütülmüş Arıtma Çamurundan Optimum Asidik Hidroliz Şartlarında Salınan Fosfor ve Metallerin Donnan Diyalizi İle Seçici Olarak Ayrılması**

- UYSAL A., Tuncer D., KIR E., SARDOHAN KÖSEOĞLU T.
11. Ulusal Çevre Mühendisliği Kongresi, Bursa, Turkey, 15 - 17 October 2015, vol.1, pp.336-347
- XVIII. **Farklı kurşun bağlı bileşikler kullanılarak kitosan PVA esaslı membranların kumaşlara kaplanması ve radyasyon tutma özelliklerinin incelenmesi**
SARDOHAN KÖSEOĞLU T., ÇELİK A., KARİPCİN F., KIR E.
4. Ulusal Membran Teknolojileri ve Uygulamaları Sempozyumu (MEMTEK 2015), 7-8 Ekim 2015, Isparta., Turkey, 7 - 08 October 2015
- XIX. **The preparation of microporous PVDF membranes with Dithiophosphates and modification of surface properties by Helicon plasma**
SARDOHAN KÖSEOĞLU T., ILGAZ F., ÇALIŞ Ö., KIR E., AYDIN A., GÜLEÇ A.
ICOPS, 24 - 28 May 2015
- XX. **New supported liquid membranes containing dioxime derivatives as ion carrier for facilitated transport of mercury ions**
KARİPCİN F., Karamızrak E., KIR E., ALPOĞUZ H. K.
ICENS, Macedonia, 15 - 19 May 2015
- XXI. **Defluoridation from aqueous solutions by natural and acid activated Ignimbrite and Diatomite materials**
KIR E., Oruç h., KIR İ.
ICENS, 15 - 19 May 2015
- XXII. **Preparation and characterization of magnetic polysulfone thiourea microspheres and its application for the removal of Cr III**
KIR E., Yiğit T., KARİPCİN F., SARDOHAN KÖSEOĞLU T.
ICENS, 15 - 19 May 2015
- XXIII. **THE PREPARATION OF MICROPOROUS PVDF MEMBRANES WITH DITHIPHOSPHATES AND MODIFICATION OF SURFACE PROPERTIES BY HELICON PLASMA**
Koseoglu T. S. , Ilgaz F., Calis O., KIR E., AYDIN A., Gulec A.
IEEE International Conference on Plasma Sciences (ICOPS), Belek, Turkey, 24 - 28 May 2015
- XXIV. **Phosphorus Release and Metals Separate from Thickened Sewage Sludge with a Combination of Acidic Hydrolysis and Donnan Dialysis**
UYSAL A., SAYILGAN E., KIR E.
EcoTechnologies for Wastewater Treatment, Technical, Environmental&Economic Challenges, IWA International Conference, 25 - 27 June 2012
- XXV. **PURIFICATION OF ALKALINE PROTEASE FROM BACILLUS SUBTILIS AND ITS IMMOBILIZATION ON POLYSULPHONE MEMBRANE**
ŞAHİN S., KIR E., ÖZMEN İ.
3rd International Symposium on Sustainable Development,(ISSD-2012), 31 May - 01 June 2012
- XXVI. **The investigation of pollution control parameters in the drinking water sources in Isparta**
Kır E., Cengiz M., AKTAŞ A. H.
II. Uluslararası Kızılırmak Fen Bilimleri Kongresi, Kırıkkale, Turkey, 20 - 22 May 1998, pp.179-190

Other Publications

- Phosphorus Release and Metals Separate from Thickened Sewage Sludge with a Combination of Acidic Hydrolysis and Donnan Dialysis. EcoTechnologies for Wastewater Treatment, Technical, Environmental&Economic Challenges, IWA International Conference. 25-27 June 2012, Santiago de Compostela, Spain.**
UYSAL A., SAYILGAN E., KIR E.
Other, pp.76, 2012

Citations

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