

ADEM SARIHAN

ASSOC. PROF.

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International Researcher IDs

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Publons / Web Of Science ResearcherID: A-4423-2016

ScopusID: 51161962300

Yoksis Researcher ID: 40426



Biography

He graduated from Uludag University, Faculty of Arts and Sciences, Department of Chemistry in 2008. He started his academic life as a Research Assistant at Bilecik Seyh Edebali University (BSEU) in 2010. He completed his master's degree in Chemistry at Uludag University Institute of Science and Technology in 2010. In 2015, he completed his PhD education at Dumlupınar University, Institute of Science, Department of Chemistry, with his thesis on "Preparation and testing of new hydrophilic composite membranes for water treatment systems" and started working as an Assistant Professor at BSEU in the same year. In 2017, he completed a 1-year Post-Doctorate degree in England (University of Bath) with the Tübitak 2219 International Postdoctoral Research Scholarship. He received the title of Associate Professor in 2022 and in the same year, he started working as an Associate Professor in Department of Chemistry, Faculty of Science of BŞEÜ and he still continues to work in the same position.

Learning Knowledge

Post Doctorate	University of Bath, Faculty of Engineering & Design, Department of Chemical Engineering, England
2017 - 2018	

Doctorate	Kütahya Dumlupınar University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey
2011 - 2015	

Postgraduate	Bursa Uludağ University, Fen Bilimleri Enstitüsü, Kimya (Yl) (Tezli), Turkey
2008 - 2010	

Undergraduate	Bursa Uludağ University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey
2004 - 2008	

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Su arıtım sistemleri için yeni su sever katkılı kompozit membranların hazırlanması ve test edilmesi, Kütahya Dumlupınar University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2015

Postgraduate, Veratril alkol veratril aldehit çiftinin voltametrik davranışının ve yan yana analizlenebilirliğinin incelenmesi, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Kimya (Yl) (Tezli), 2010

Academic Titles / Tasks

Associate Professor
2022 - Continues

Bilecik Seyh Edebali University, Fen Fakültesi, Kimya

Assistant Professor
2021 - 2022

Bilecik Seyh Edebali University, Meslek Yüksekokulu, Çevre Koruma Teknolojileri

Assistant Professor
2015 - 2021

Bilecik Seyh Edebali University, Meslek Yüksekokulu, Kimya Ve Kimyasal İşleme Teknolojileri

Research Assistant
2010 - 2015

Bilecik Seyh Edebali University, Fen Fakültesi, Kimya

Supported Projects

1. SARIHAN A., Elektriksel Potansiyel Uygulaması İle Grafen Katkılı Kompozit Membranlarda In-Situ Kirlenme Kontrolü, 2021 - Continues
2. SARIHAN A., Project Supported by Higher Education Institutions, PSf ve PVDF Kompozit Membranların, Misel Destekli Ultrafiltrasyon (MDUF) Tekniği ile Organik Molekül Dislama Performanslarının İncelenmesi, 2016 - 2017
3. EREN E., SARIHAN A., GÜMÜŞ H., Project Supported by Higher Education Institutions, Polisülfon Metaloksit Kompozit Membranların Hazırlanması Karakterizasyonu ve Atık Su Arıtma İşlemlerinde Uygulanabilirliklerinin İncelenmesi, 2014 - 2015
4. EREN B., SARIHAN A., Project Supported by Higher Education Institutions, Biyolojik Aktif Bazlı Benzimidazol Türevlerinin Sentezi ve Yapılarının Deneyel ve Teorik Olarak İncelenmesi, 2012 - 2014
5. SARIHAN A., GÜMÜŞ H., Project Supported by Higher Education Institutions, Sentetik Zeolit Destekli Heteropoliasit Katalizörleri Kullanılarak Bazi Sübstítüe Benzimidazol ve Bisbenzimidazol Türevlerinin Tek Adımda Sentezi, 2011 - 2013
6. GÜMÜŞ H., TÜRE S., SARIHAN A., Project Supported by Higher Education Institutions, Bazi Monosiklik Lineer Alkil Sübstítüe Fosfazenler ve Anza tipi Makrosiklik Fosfazenler in metal kompleksleri, 2011 - 2012

Scholarships

2219 - International Postdoctoral Research Scholarship, TUBITAK, 2017 - 2018

2211-C Öncelikli Alanlara Yönelik Yurt İçi Doktora Burs Programı, TUBITAK, 2013 - 2015

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Uv degradation of naproxen adsorbed on graphite oxide**

- SARIHAN A., BALBAY \$.
Desalination and Water Treatment, vol.230, pp.419-429, 2021 (SCI-Expanded)
2. **Fabrication of self-doped sulfonated polyaniline membranes with enhanced antifouling ability and improved solvent resistance**
Amura I. F., Shahid S., SARIHAN A., Shen J., Patterson D. A., Emanuelsson E. A. C.
Journal of Membrane Science, vol.620, 2021 (SCI-Expanded)
3. **Development of high-permeable PSf/PANI-PAMPSA composite membranes with superior rejection performance**
SARIHAN A.
Materials Today Communications, vol.24, 2020 (SCI-Expanded)
4. **Flux-enhanced polysulfone membranes blended with ABPBI as a novel additive**
SARIHAN A., EREN E., EREN B., Erdogan Y.
Materials Today Communications, vol.20, 2019 (SCI-Expanded)
5. **Exploiting the electrical conductivity of poly-acid doped polyaniline membranes with enhanced durability for organic solvent nanofiltration**
Sarihan A., Shahid S., Shen J., Amura I., Patterson D. A., Emanuelsson E. A. C.
Journal of Membrane Science, vol.579, pp.11-21, 2019 (SCI-Expanded)
6. **Enhanced adsorption of cationic and anionic dyes from aqueous solutions by polyacid doped polyaniline**
Shen J., Shahid S., Amura I., Sarihan A., Tian M., Emanuelsson E. A.
Synthetic Metals, vol.245, pp.151-159, 2018 (SCI-Expanded)
7. **Effect of polyacid dopants on the performance of polyaniline membranes in organic solvent nanofiltration**
Shen J., Shahid S., Sarihan A., Patterson D. A., Emanuelsson E. A.
Separation and Purification Technology, vol.204, pp.336-344, 2018 (SCI-Expanded)
8. **Novel high performance and fouling resistant PSf/ZnO membranes for water treatment**
SARIHAN A., EREN E.
Membrane Water Treatment, vol.8, no.6, pp.563-574, 2017 (SCI-Expanded)
9. **Preparation, characterization and performance enhancement of polysulfone ultrafiltration membrane using PBI as hydrophilic modifier**
EREN E., SARIHAN A., EREN B., GÜMÜŞ H., Kocak F.
Journal of Membrane Science, vol.475, pp.1-8, 2015 (SCI-Expanded)
10. **Surface acidity of H-birnessite: Infrared spectroscopic study of formic acid decomposition**
EREN E., GÜMÜŞ H., EREN B., SARIHAN A.
Spectroscopy Letters, vol.46, no.1, pp.60-66, 2013 (SCI-Expanded)
11. **An investigation of the catalytic decomposition of formic acid on raw and manganese oxide coated sepiolite surfaces**
EREN E., GÜMÜŞ H., SARIHAN A.
Applied Clay Science, vol.62-63, pp.1-7, 2012 (SCI-Expanded)
12. **Structural analysis of naproxen-intercalated bentonite (Unye)**
Tabak A., YILMAZ N., EREN E., ÇAĞLAR B., Afsin B., SARIHAN A.
Chemical Engineering Journal, vol.174, no.1, pp.281-288, 2011 (SCI-Expanded)
13. **Synthesis, structural characterization and Pb(II) adsorption behavior of K- and H-birnessite samples**
EREN E., GÜMÜŞ H., SARIHAN A.
Desalination, vol.279, no.1-3, pp.75-85, 2011 (SCI-Expanded)

Articles Published in Other Journals

1. **PAMPSA Yüklenmiş Polianilin Kullanılarak Sulu Ortamdan Naproxen Giderimi**
SARIHAN A.

- Avrupa Bilim ve Teknoloji Dergisi, no.27, pp.177-185, 2021 (Peer-Reviewed Journal)
2. **Dünyada ve Türkiye'de "Döngüsel Ekonomi / Endüstriyel Sürdürülebilirlik" Yaklaşımı**
BALBAY Ş., SARIHAN A., AVŞAR E.
Avrupa Bilim ve Teknoloji Dergisi, 2021 (Peer-Reviewed Journal)
 3. **PBIOH su sever katkısı kullanılarak yüksek performans ve kirlenme dirençli polisülfon membranların hazırlanması ve karakterizasyonu**
SARIHAN A., EREN E., EREN B., ERDOĞAN Y.
Dumlupınar Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 2017 (Peer-Reviewed Journal)

Books & Book Chapters

1. **ORGANİK SOLVENT NANOFİLTASYON (OSN) MEMBRANLARI**
Sarıhan A.
in: GELECEĞİN DÜNYASINDA BİLİMSEL VE MESLEKİ ÇALIŞMALAR 2020 FEN BİLİMLERİ / I, PROF. DR. CEM CÜNEYT ERSANLI - DOÇ. DR. ELİF TEZEL ERSANLI - ARŞ. GÖR. DR. CANAN BAŞLAK, Editor, Ekin Yayınevi (Ekin Basım Yayın Dağıtım), Bursa, pp.4-20, 2020
2. **MEMBRAN KİRLENME PROBLEMLERİ VE ÇÖZÜM YÖNTEMLERİ**
Sarıhan A.
in: Fen Bilimleri ve Matematikte Teori ve Araştırmalar II, PROF. DR. HASAN AKGÜL - DOÇ. DR. MEHMET YÜKSEL, Editor, Gece Kitaplığı / Gece Publishing, Ankara, pp.133-154, 2020

Refereed Congress / Symposium Publications in Proceedings

1. **POLYANILINE BASED CROSSLINKED NANOFILTRATION MEMBRANES: PREPARATION, CHARACTERIZATION AND REJECTION STUDIES**
SARIHAN A.
9th International Conference on Advanced Technologies (ICAT'20), İstanbul, Turkey, 10 - 12 August 2020
2. **PREPARATION, STRUCTURAL AND MORPHOLOGICAL CHARACTERIZATIONS OF PVDF MEMBRANES MODIFIED WITH POLY(2-ACRYLAMIDO-2-METHYL-1-PROPANESULFONIC ACID DOPED POLYANILINE**
SARIHAN A.
8th INTERNATIONAL CONFERENCE ON ENGINEERING & NATURAL SCIENCES, Ankara, Turkey, 12 June 2020
3. **DEVELOPMENT OF NOVEL HEAT TREATED PANI-PAMPSA NANOFİLTRATION MEMBRANES FOR WATER TREATMENT**
SARIHAN A.
II. International Turkish World Engineering and Science Congress, Antalya, Turkey, 7 - 09 November 2019
4. **Preparation Characterization and Rejection Studies of Polybenzimidazole Derivative Terpolymer Blended Polysulfone Membranes**
SARIHAN A., EREN E.
1st INTERNATIONAL BLACK SEA CONGRESS ON ENVIRONMENTAL SCIENCES (1st IBCESS), 31 August - 03 September 2016
5. **Improving the performance and antibacterial ability of polysulfone ultrafiltration membranes by using zinc oxide nanoparticles**
SARIHAN A., EREN E.
International Conference on Engineering and Natural Sciences (ICENS) 2016, saraybosna, Bosnia And Herzegovina, 24 - 28 May 2016
6. **PBIOH Su Sever Katkısı Kullanılarak Yüksek Performanslı ve Kirlenme Dirençli Polisülfon Membranların Hazırlanması**
SARIHAN A., EREN B., EREN E.
2.Uluslararası Çevre Kongresi, Turkey, 22 - 25 October 2015

7. **PVDF Membranların Filtrasyon Özellikleri ve Performansları Üzerine Su Sever Birnesit Partiküllerin Etkisi**
EREN E., GÜMÜŞ H., EREN B., SARIHAN A., GÜNEY M.
2.Uluslararası Çevre Kongresi, Turkey, 22 - 25 October 2015
8. **Polisülfon Ultrafiltrasyon Membranların Performans ve Kirlenme Dirençlerinin ABPBI Katkısı Kullanılarak İyileştirilmesi**
EREN B., SARIHAN A.
2.Uluslararası Çevre Kongresi, Turkey, 22 - 25 October 2015
9. **Birnesit Katalizörünün Yüzey Asitliğinin Belirlenmesi**
GÜMÜŞ H., EREN E., SARIHAN A.
III. Fiziksel Kimya Günleri, Turkey, 12 - 15 July 2012
10. **Experimental and Spectroscopic Studies on 2 Thiophen 2 YL 1H Benzimidazole**
EREN B., ÜNAL A., SARIHAN A.
7th Eurasian Meeting on Heterocyclic Chemistry, 17 - 21 June 2012
11. **Naproxen Sepiolite N Sepiolite Composite Characterization**
TABAK A., HASİME P., EREN B., ÇAĞLAR B., AFŞİN B., SARIHAN A.
Euroclay 2011, European Clay Conference, 26 June - 01 July 2011
12. **Veratril Alkol ve Veratril Aldehit in Voltametrik Olarak Yan Yana Analizlenebilirliği**
SARIHAN A., ŞENER Ş., TÜRKDEMİR M. H.
5. Ulusal Analitik Kimya Kongresi, Turkey, 21 - 25 June 2010
13. **Oksalik Asit in Voltametrik Davranışının İncelenmesi**
ŞENER Ş., SARIHAN A., TÜRKDEMİR M. H.
5. Ulusal Analitik Kimya Kongresi, Turkey, 21 - 25 June 2010
14. **Preparation of a Leak Proof Voltammetric Ag AgCl Reference Electrode for Aqueous HF Solutions**
ŞENER Ş., SARIHAN A., TÜRKDEMİR M. H.
8th International Electrochemistry Meeting in Turkey, 8 - 11 October 2009

Academic and Administrative Experience

2022 - Continues	Assistant Director of the Institute	Bilecik Seyh Edebali University
2019 - 2022	Head of Department	Bilecik Seyh Edebali University, Meslek Yüksekokulu, Kimya Ve Kımyasal İşleme Teknolojileri

Courses

POLYMERIC MEMBRANES AND FILTRATION PROCESSES, Postgraduate, 2022 - 2023
 Green Chemistry, Postgraduate, 2022 - 2023
 Polimer Teknolojisi, Associate Degree, 2020 - 2021, 2019 - 2020
 Çevre ve Enerji, Associate Degree, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2015 - 2016
 İçme Suyu Arıtımı, Associate Degree, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017
 Fizikokimya, Associate Degree, 2018 - 2019
 Analitik Kimya ve Laboratuvarı, Associate Degree, 2016 - 2017
 Enstrümental Analiz, Associate Degree, 2016 - 2017
 Fizikokimya II, Undergraduate, 2015 - 2016
 Endüstriye Dayalı Mesleki Eğitim, Associate Degree, 2015 - 2016
 Genel Kimya, Associate Degree, 2015 - 2016
 Fizikokimya Laboratuvarı II, Undergraduate, 2015 - 2016

Advising Theses

SARIHAN A., Grafen katkılı polisülfon kompozit membranların kirlenme özelliklerinin incelenmesi ve kirlenme kontrolü,

Postgraduate, G.GÖLGELEYEN(Student), 2023

SARIHAN A., Elektrik iletkenliği iyileştirilmiş polianilin membranların hazırlanma koşullarının ve kirlenme özelliklerinin

incelenmesi, Postgraduate, H.OĞUZ(Student), 2023

Activities in Scientific Journals

Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, Editor, 2022 - Continues

Scientific Refereeing

MEMBRANE WATER TREATMENT, SCI Journal, July 2019

International Journal of Membrane Science and Technology, Other Indexed Journal, April 2018

Research & Reviews: Journal of Material Sciences, Other Indexed Journal, July 2017

Research Areas

Water Pollution and Control, Polymer Technology, Membrane Technology, Chemistry, Conductive Polymers, Composites, Characterization of Polymers, Polymeric Films, Polymeric Materials