Assoc. Prof. Bihter Zeytuncu Gökoğlu



Personal Information

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International Researcher IDs
ORCID: 0000-0002-3691-7000
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Yoksis Researcher ID: 151854

Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Kimya, Turkey 2010 - 2014
Postgraduate, Marmara University, Fen Bilimleri Enstitüsü, Organik Kimya, Turkey 2006 - 2010
Undergraduate, Marmara University, Fen Edebiyat Fakültesi, Kimya, Turkey 2002 - 2006

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, ELEKTROSPİNNİNG TEKNİĞİ VE UV IŞIMASININ EŞZAMANLI OLARAK UYGULANMASI İLE NANOFİBER MEMBRANLARIN HAZIRLANMASI VE KIYMETLİ METALLERİN ADSORPSİYONUNDA UYGULANMASI, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, 2014
Postgraduate, UV IşINLARIYLA SERTLEşEBiLEN BOR/FLOR/SiLiSYUM iÇEREN HiBRiT KAPLAMALARIN HAZIRLANMASI VE KAPLAMA PERFORMANSLARININ iNCELENMESG, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, 2010

Research Areas

Chemistry, Analytical Chemistry, Separation Methods, Emission Spectroscopy, Spectroscopical Methods, Thermal Methods, Physical Chemistry, Polymeric Adsorbents, Polymeric Materials, Natural Sciences

Academic Titles / Tasks

Associate Professor, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 2020 - Continues
Associate Professor, Istanbul Technical University, 2017 - Continues
Expert PhD, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 2007 - 2017

Lecturer PhD, Michigan State University, Engineering College, Civil And Environmental Engineering Department, 2015 - 2016
Lecturer PhD, Istanbul Technical University, Maden, Jeoloji Mühendisliği, 2013 - 2015

Academic and Administrative Experience

Director of the Center, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 2023 - Continues
Manager of Research and Application Center, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 2023 - Continues
Manager of Research and Application Center, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 2023 - Continues
Rektörlük Kalite Komisyonu Üyesi, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 2022 - Continues
Birim Stratejik Plan Komisyonu Üyesi, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 2022 - Continues
Adaptation/Exemption Committee Member, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 2022 - Continues
Vice Dean, Istanbul Technical University, 2021 - Continues
Rector's Advisor, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 2021 - Continues
Assistant Manager of Research and Application Center, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 2020 - 2023
Assistant Manager of Research and Application Center, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 2020 - 2022
Rektörlük Akademik Teşvik Değerlendirme Komisyonu Üyesi, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 2020 - 2022

Courses

Advance Nanocharacterization Techniques , Doctorate, 2023 - 2024
Müh.Uyg.Tasar.Pren&Malz.Seç. , Undergraduate, 2023 - 2024
Enviromental Nanotechnology , Postgraduate, 2023 - 2024
Malzeme Bilimi, Undergraduate, 2023 - 2024

Advising Theses

Zeytuncu Gökoğlu B., CITRIC ACID AND DIMER DIOL-BASED POLYESTER MEMBRANES FOR FOOD PACKAGING APPLICATIONS, Postgraduate, S.AGHAEINEJAD(Student), 2023
Zeytuncu Gökoğlu B., ENHANCING PERMEABILITY AND ANTIFOULING BEHAVIOR OF POLYVINYL CHLORIDE ULTRAFILTRATION MEMBRANE EMBEDDED WITH CuCr NLDH/GRAPHENE OXIDE, Postgraduate, S.NAZIRI(Student), 2022
Zeytuncu Gökoğlu B., İYON DEĞİŞTİRİCİ REÇİNE İLE ATIK SULARDAN DEMİR GERİ KAZANIMI, Postgraduate, E.ARSLAN(Student), 2022
Zeytuncu Gökoğlu B., Development of interlayer based thin-film nanofibrous composite membranes adjusted by functionalized carbon nanotubes for effectual water purification, Postgraduate, S.ARABI(Student), 2022

Jury Memberships

Post Graduate, Tez Savunma (Yüksek Lisans), Marmara Üniversitesi, March, 2015

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Application of different treatment systems for boron removal from industrial wastewater with extremely high boron content**
Zeytuncu Gökoğlu B., Paşaoğlu M. E., Eryildiz B., Kazak A., Yüksekdağ A., Korkut S., Kaya R., Türken T., Ceylan M., Koyuncu İ.
Journal of Water Process Engineering, vol.55, 2023 (SCI-Expanded)

II. **CuCr NLDH-Graphene oxide blended polyvinyl chloride ultrafiltration membrane with improved permeability and antifouling behavior**
Naziri Mehrabani S. A., Sadeghi Rad T., Vatanpour Sargheın V., Khataee A., Kaya M., Zeytuncu B., Koyuncu İ.
Separation and Purification Technology, vol.317, 2023 (SCI-Expanded)

III. **Development of polymer inclusion membranes for palladium recovery: Effect of base polymer, carriers, and plasticizers on structure and performance**
Keskin B., Yüksekdağ A., Zeytuncu B., Koyuncu İ.
Journal of Water Process Engineering, vol.52, 2023 (SCI-Expanded)

IV. **Fabrication of Cobalt tagged smart ion-imprinted polymeric material applied for the elimination of Co2+ ions from real environmental samples**
Jagirani M. S., Balouch A., Alveroğlu Durucu E., Mahesar S. A., Zeytuncu Gökoğlu B., Abdullah A., Khaskhali A. R.
POLYMER BULLETIN, vol.79, no.11, pp.10135-10153, 2022 (SCI-Expanded)

V. **Polymeric hollow fiber membrane oxygenators as artificial lungs: A review**
Teber O. O., Altınay A. D., Mehrabani S. A. N., Şengür Taşdemir R., Zeytuncu Gökoğlu B., Genceli E. A., Dülekgürgen E., Pekkan K., Koyuncu İ.
BIOCHEMICAL ENGINEERING JOURNAL, vol.180, 2022 (SCI-Expanded)

VI. **Palladium recovery from spent Pd plating solutions using Lewatit TP 214 resin**
ÇETİNER B. N., Yegul E. U., Zeytuncu Gökoğlu B., AKTAŞ S.
DESALINATION AND WATER TREATMENT, vol.253, pp.211-222, 2022 (SCI-Expanded)

VII. **Process optimization for acidic leaching of rare earth elements (REE) from waste electrical and electronic equipment (WEEE)**
Yüksekdağ A., Köse Mutlu B., Zeytuncu Gökoğlu B., Kumral M., Wiesner M. R., Koyuncu İ.
Environmental Science and Pollution Research, vol.29, no.5, pp.7772-7781, 2022 (SCI-Expanded)

VIII. **Polybenzoxazines in fabrication of separation membranes: A review**
Vatanpour V., Kışkan B., Zeytuncu Gökoğlu B., Koyuncu İ.
Separation and Purification Technology, vol.278, 2022 (SCI-Expanded)

IX. **A Comprehensive Review on the Applications of Boron Nitride Nanomaterials in Membrane Fabrication and Modification**
Vatanpour V., Mehrabani S. A. N., Keskin B., Arabi N., Zeytuncu Gökoğlu B., Koyuncu İ.
Industrial and Engineering Chemistry Research, vol.60, no.37, pp.13391-13424, 2021 (SCI-Expanded)

X. **Polymer inclusion membrane applications for transport of metal ions: A critical review**
Keskin B., Zeytuncu Gökoğlu B., Koyuncu İ.
CHEMOSPHERE, vol.279, 2021 (SCI-Expanded)

XI. **Recycling of precious materials by modified electrospun membranes**
Zeytuncu Gökoğlu B., Şengür Taşdemir R., Tanc B., AKTAŞ S., Koyuncu İ.
Desalination and Water Treatment, vol.211, pp.439-447, 2021 (SCI-Expanded)

XII. **Effect of operating parameters on removal of boron from wastewater containing high boron concentration by vacuum assisted air gap membrane distillation**
Eryildiz B., Yüksekdağ A., Korkut S., Zeytuncu B., Paşaoğlu M. E., Koyuncu İ.
Journal of Water Process Engineering, vol.38, 2020 (SCI-Expanded)

Books & Book Chapters

I. **Memban Teknolojilerinde Konsantre Yönetimi**
KÖSE MUTLU B., İMER D. Y., YAZAGAN A., ZEYTUNCU B., ÖZTÜRK İ., KOYUNCU İ.
in: Su/Atıksu Arıtılması ve Geri Kazanılmasında Membran Teknolojileri ve Uygulamaları, İsmail Koyuncu, Editor, Türkiye Çevre Koruma Vakfı, pp.1057-1160, 2018

Metrics

Publication: 55
Citation (WoS): 186
Citation (Scopus): 434
H-Index (WoS): 8
H-Index (Scopus): 14

Congress and Symposium Activities

Synthesis of Nanofiber Membrane by Electrospinning Technique, Attendee, California, United States Of America, 2014
Investigation of optimum cementation conditions of ruthenium with experimental design., Attendee, Texas, United States Of America, 2013
Recovery of Platinum from dilute chloride media using biosorbents, Attendee, Texas, United States Of America, 2013

Non Academic Experience

Michigan State University