

Personal Information

Email: keskinbas@itu.edu.tr

Web: <https://avesis.itu.edu.tr/keskinbas>

International Researcher IDs

ORCID: 0000-0003-2982-6079

Publons / Web Of Science ResearcherID: FZD-7232-2022

ScopusID: 57198884367

Yoksis Researcher ID: 387505

Education Information

Doctorate, Istanbul Technical University, Lisansüstü Eğitim Enstitüsü, Çevre Bilimleri, Mühendislik ve Yönetimi, Turkey
2018 - Continues

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Çevre Bilimleri ve Mühendisliği, Turkey 2014 - 2016

Undergraduate, Marmara University, Faculty Of Engineering, Environmental Engineering, Turkey 2008 - 2013

Dissertations

Postgraduate, Halloysit nanotüp katkılı ultrafiltrasyon membran üretimi, karakterizasyonu ve boya madde gideriminde uygulaması, Istanbul Technical University, Fen Bilimleri Enstitüsü, Çevre Bilimleri ve Mühendisliği, 2016

Research Areas

Environmental Engineering, Environmental Sciences, Environmental Technology

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Fabrication and characterization of different braid-reinforced PVC hollow fiber membranes to use in membrane bioreactor for wastewater treatment**
Keskin B., Eryıldız B., Paşaoğlu M. E., Türken T., Vatanpour Sarghein V., Koyuncu İ.
Journal of Applied Polymer Science, vol.140, no.18, 2023 (SCI-Expanded)
- II. **Extraction of methylene orange and humic acid from aqueous solutions by using polymer inclusion membrane**
Keskin B., Koyuncu İ.
Journal of Water Process Engineering, vol.52, 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. **Preparation and characterization of polyvinyl chloride membranes and their fouling behavior in water purification**
Eryıldız B., Keskin B., Paşaoğlu M. E., Türken T., Vatanpour Sarghein V., Koyuncu İ.

JOURNAL OF APPLIED POLYMER SCIENCE, vol.140, no.7, 2023 (SCI-Expanded)

- V. **Ti2AlN MAX phase as a modifier of cellulose acetate membrane for improving antifouling and permeability properties**
Mehrabani S. A. N., Keskin B., Arefi-Oskoui S., Koyuncu İ., Vatanpour Sarghein V., Orooji Y., Khataee A.
CARBOHYDRATE POLYMERS, vol.298, 2022 (SCI-Expanded)
- VI. **Development of Ti2AlN MAX phase/cellulose acetate nanocomposite membrane for removal of dye, protein and lead ions**
Keskin B., Mehrabani S. A. N., Arefi-Oskoui S., Vatanpour Sarghein V., Teber O. O., Khataee A., Orooji Y., Koyuncu İ.
CARBOHYDRATE POLYMERS, vol.296, 2022 (SCI-Expanded)
- VII. **Combining S-DADPS monomer and halloysite nanotube for fabrication superior nanofiltration membrane**
ORMANCI ACAR T., Korkut S., Keskin B., Ağtaş M., Tas C. E., Mutlu Salmanlı Ö., Türken T., MENCELOĞLU Y. Z., ÜNAL S., Koyuncu İ.
POLYMER, vol.255, 2022 (SCI-Expanded)
- VIII. **Investigation of boron nitride/silver/graphene oxide nanocomposite on separation and antibacterial improvement of polyethersulfone membranes in wastewater treatment**
Vatanpour V., Keskin B., Naziri Mehrabani S. A., Karimi H., Arabi N., Behrooz A. H., Shokrollahi-far A., Yavuztürk Gül B., Koyuncu İ.
Journal of Environmental Chemical Engineering, vol.10, no.1, 2022 (SCI-Expanded)
- IX. **Fabrication of halloysite nanotubes embedded thin film nanocomposite membranes for dye removal**
ORMANCI ACAR T., Keskin B., Korkut S., Mutlu Salmanlı Ö., Türken T., Koseoglu-Imer D. Y., Demir T. U., MENCELOĞLU Y. Z., ÜNAL S., Koyuncu İ.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.138, no.38, 2021 (SCI-Expanded)
- X. **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)
- XI. **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)
- XII. **Pilot and full-scale applications of membrane processes for textile wastewater treatment: A critical review**
Keskin B., Ersahin M. E., Ozgun H., Koyuncu İ.
Journal of Water Process Engineering, vol.42, 2021 (SCI-Expanded)
- XIII. **Nanofiltration membranes for salt and dye filtration: effect of membrane properties on performances**
Ağtaş M., ORMANCI ACAR T., Keskin B., Türken T., Koyuncu İ.
WATER SCIENCE AND TECHNOLOGY, vol.83, pp.2146-2159, 2021 (SCI-Expanded)
- XIV. **Halloysite nanotube blended nanocomposite ultrafiltration membranes for reactive dye removal**
Keskin B., Ağtaş M., ORMANCI ACAR T., Türken T., İmer D. Y., ÜNAL S., MENCELOĞLU Y. Z., Ucar-Demir T., Koyuncu İ.
WATER SCIENCE AND TECHNOLOGY, vol.83, no.2, pp.271-283, 2021 (SCI-Expanded)
- XV. **Effect of wetting agent on the dye filtration performance of ultrafiltration membrane**
Keskin B., ORMANCI ACAR T., Türken T., İmer D. Y., Koyuncu İ.
WATER SCIENCE AND TECHNOLOGY, vol.82, no.3, pp.577-586, 2020 (SCI-Expanded)
- XVI. **Thin-film composite nanofiltration membranes with high flux and dye rejection fabricated from disulfonated diamine monomer**
ORMANCI ACAR T., Tas C. E., Keskin B., Ozbulut E. B. S., Türken T., İmer D. Y., TÜFEKÇİ N., MENCELOĞLU Y. Z., ÜNAL S., Koyuncu İ.
JOURNAL OF MEMBRANE SCIENCE, vol.608, 2020 (SCI-Expanded)
- XVII. **Fabrication and characterization of temperature and pH resistant thin film nanocomposite membranes embedded with halloysite nanotubes for dye rejection**

ORMANCI-ACAR T., CELEBİ F., KESKİN B., Mutlu-Salmanlı O., Ağtaş M., Turken T., Tufani A., İmer D. Y., Ince G. O., Demir T. U., et al.
DESALINATION, vol.429, pp.20-32, 2018 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Disulfonated diamine monomer usage to enhance the performance of NF membrane**
ORMANCI ACAR T., ÜNAL S., KOYUNCU İ., İMER D. Y., keskin B., ağtaş M., TÜRKEN T., taş c. e., MENCELOĞLU Y. Z.
9th International Water Association (IWA) Membrane Technology Conference, Toulouse, France, 23 - 27 June 2019
- II. **Treatment and Recovery of Textile Wastewater by Using Pilot Scale Ceramic UF/NF Membrane System**
AĞTAŞ M., yılmaz ö., TÜRKEN T., korkut S., keskin B., AlMutwalli s., ALP K., KOYUNCU İ.
9th International Water Association (IWA) Membrane Technology Conference, 23 - 27 June 2019
- III. **Farklı Boyutlardaki Halloysit Nanotüp ile Üretilmiş Ultrafiltrasyon Membranlarının Karakterizasyonu ve Boya Giderim Performanslarının Belirlenmesi**
keskin B., AĞTAŞ M., ormanci acar t., TÜRKEN T., İMER D. Y., altaş a., MENCELOĞLU Y. Z., ÜNAL S., KOYUNCU İ.
Endüstriyel Atıkların Membran Teknolojileri ile Arıtımı, Su/Ürün Geri Kazanımı ve KonsantreYönetim Teknolojileri Çalıştayı, Turkey, 19 April 2017
- IV. **The effect of Halloysitenanotube (HNT) size on fabrication and characterization and dye performance of ultrafiltration membrane**
keskin B., AĞTAŞ M., ORMANCI ACAR t., TÜRKEN T., İMER D. Y., ALTAŞ a., MENCELOĞLU Y. Z., ÜNAL S., DEMİR İ., KOYUNCU İ.
3rd International Conference on Desalination using Membrane Technology, Spain, 2 - 05 April 2017
- V. **Boya Arıtımında Ultrafiltrasyon Membranlarının Kullanımı**
Keskin B., Öncü N., TÜRKEN T., Erkoç İter S., Altaş A., İMER D. Y., MENCELOĞLU Y. Z., ünal s., KOYUNCU İ.
IV. Ulusal Membran Teknolojileri ve Uygulamaları Sempozyumu, Turkey, 7 - 08 October 2015

Metrics

Publication: 24
Citation (WoS): 92
Citation (Scopus): 193
H-Index (WoS): 5
H-Index (Scopus): 6