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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Kimya, Turkey 2016 - 2023

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Kimya (YI), Turkey 2014 - 2016

Dissertations

Postgraduate, KİTOSAN VE GRAFEN OKSİT-KİTOSAN KOMPOZİT MALZEMEYE SULU ORTAMDA BOYAR MADDE ADSORPSİYONUNUN KİNETİK MODELLEMESİ, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI), 2016

Research Areas

Chemistry, Analytical Chemistry, Adsorption Spectroscopy, Natural Sciences

Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Fen-Edebiyat, Kimya, 2015 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Comparison of Dye Adsorption of Chitosan and Polyethylenimine Modified Bentonite Clays: Optimization, Isotherm, and Kinetic Studies**
Kahya N., Şen B., Berber D., Öztekin N.
ACS Omega, vol.9, no.8, pp.9040-9052, 2024 (SCI-Expanded)
- II. **Removal of fluoride ions from water by cerium-carboxymethyl cellulose beads doped with CeO₂ nanoparticles**
Kahya N., Erim F. B.
International Journal of Biological Macromolecules, vol.242, 2023 (SCI-Expanded)
- III. **Antioxidant and antimicrobial chitosan films enriched with aqueous sage and rosemary extracts as food coating materials: Characterization of the films and detection of rosmarinic acid release**
Kahya N., Kestir S. M., Oztuerk S., Yolac A., TORLAK E., Kalaycıoğlu Z., AKIN EVİNGÜR G., Berker F. B.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.217, pp.470-480, 2022 (SCI-Expanded)
- IV. **Effective photocatalytic degradation of malachite green dye by Fe (III)-Cross-linked Alginate-**

Carboxymethyl cellulose composites

Karadeniz D., Kahya N., Berker F. B.

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.428, 2022 (SCI-Expanded)

- V. **Graphene oxide/chitosan-based composite materials as adsorbents in dye removal**
Kahya N., Berker F. B.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.209, no.12, pp.1711-1726, 2022 (SCI-Expanded)
- VI. **Antibacterial nano cerium oxide/chitosan/cellulose acetate composite films as potential wound dressing**
Kalaycıoğlu Z., Kahya N., Adımcılar V., Kaygusuz H., Torlak E., Akın-Evingür G., Erim F. B.
EUROPEAN POLYMER JOURNAL, vol.133, 2020 (SCI-Expanded)
- VII. **Barium ion cross-linked alginate-carboxymethyl cellulose composites for controlled release of anticancer drug methotrexate**
Kahya N., Gölcü A., Erim F. B.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.54, 2019 (SCI-Expanded)
- VIII. **Surfactant modified alginate composite gels for controlled release of protein drug**
Kahya N., Erim F. B.
CARBOHYDRATE POLYMERS, vol.224, 2019 (SCI-Expanded)
- IX. **Aqueous Removal of Sodium Dodecyl Benzene Sulfonate (SDBS) by Crosslinked Chitosan Films**
Kahya N., Kaygusuz H., Erim F. B.
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.26, no.5, pp.2166-2172, 2018 (SCI-Expanded)
- X. **Graphene Oxide/Alginate Quasi-Cryogels for Removal of Methylene Blue**
BALKIZ G., PINGO E., Kahya N., KAYGUSUZ H., Erim F. B.
WATER AIR AND SOIL POLLUTION, vol.229, no.4, 2018 (SCI-Expanded)
- XI. **Adsorptive removal kinetics of anionic dye onto chitosan films doped with graphene oxide: An in situ fluorescence monitoring**
Kahya N., BENER S., KAYGUSUZ H., Evingur G. A., Erim F. B.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.205, no.7, pp.881-887, 2018 (SCI-Expanded)
- XII. **Aluminum Alginate-Montmorillonite Composite Beads for Defluoridation of Water**
KAYGUSUZ H., COSKUNIRMAK M. H., Kahya N., Erim F. B.
WATER AIR AND SOIL POLLUTION, vol.226, no.1, 2015 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Preparation and Physical Properties of Nano-Cerium Ion Dopped Carboxymethyl Cellulose/Alginate Composite Films**
KAHYA N., TOPAÇ C., AKIN EVİNGÜR G., BERKER F. B.
8th World Congress on Biopolymers Bioplastics, Berlin, Germany, 28 - 29 June 2018, vol.9
- II. **Kinetic Study of Dye Adsorption on Graphene Oxide Chitosan Composite Films**
KAHYA N., KAYGUSUZ H., AKIN EVİNGÜR G., BERKER F. B.
28. Ulusal Kimya Kongresi, Turkey, 15 - 21 August 2016
- III. **Pirinin Kitosan Filmler İçerisine Difüzyonunun Modellenmesi**
KAHYA N., AKIN EVİNGÜR G., BERKER F. B.
XIV. Ulusal Spektroskopi Kongresi, Turkey, 29 - 31 May 2015
- IV. **Killi Alüminyum Aljinat Kompozit Küreleri ile Sulardan Florür Giderilmesinin Termodinamik Modellenmesi ve Ortak İyon Etkisinin İncelenmesi**
KAHYA N., ÇOŞKUNIRMAK M. H., KAYGUSUZ H., BERKER F. B.
7. Ulusal Analitik Kimya Kongresi, Kahramanmaraş, Turkey, 1 - 05 September 2014

Metrics

Publication: 39

Citation (WoS): 108

Citation (Scopus): 257

H-Index (WoS): 7

H-Index (Scopus): 9

Congress and Symposium Activities

2nd IWA Regional Symposium on Water, Wastewater and Environment, Attendee, İzmir, Turkey, 2017

Trends in Nanotechnology International Conference (TNT2016), Attendee, Fribourg, Switzerland, 2016

28. Ulusal Kimya Kongresi, Attendee, Mersin, Turkey, 2016

1st International Black Sea Congress on Environmental Sciences (IBCESS), Attendee, Giresun, Turkey, 2016

8. Ulusal Analitik Kimya Kongresi, Attendee, Isparta, Turkey, 2016

Third International Conference on New Trends in Chemometrics and Applications (NTCA-2016, Attendee, Antalya, Turkey, 2016

XIV. Ulusal Spektroskopi Kongresi, Attendee, Elazığ, Turkey, 2015

7. Ulusal Analitik Kimya Kongresi, Attendee, Kahramanmaraş, Turkey, 2014