Res. Asst. Ümran DURU KAMACI

Personal Information

Office Phone: +90 212 383 4156
Email: umrandk@yildiz.edu.tr
Web: https://avesis.yildiz.edu.tr/umrandk

International Researcher IDs
ScholarID: hf5_VRUAAAAJ
ORCID: 0000-0003-2650-9107
Publons / Web Of Science ResearcherID: AAZ-8848-2020
ScopusID: 57192986172
Yoksis Researcher ID: 206116

Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Kimya, Turkey 2013 - Continues

Certificates, Courses and Trainings

Education Management and Planning, ''Shimadzu UV Spektrofotometre Cihazı / UV 2600'' Kullanıcı Sertifikası, ANT TEKNİK, 2016

Research Areas

Natural Sciences

Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, 2014 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Hydrogel beads based on sodium alginate and quince seed nanoparticles for the adsorption of methylene blue**
DURU KAMACI Ü., Kamacı M.
Inorganic Chemistry Communications, vol.160, 2024 (SCI-Expanded)

II. **Boric acid and Schiff base-based fluorescent sensor for detection of L-tryptophan in milk and BSA samples**
DURU KAMACI Ü., KAMACI M.
TURKISH JOURNAL OF CHEMISTRY, vol.46, no.3, pp.929-940, 2022 (SCI-Expanded)

III. **A dual responsive colorimetric sensor based on polyazomethine and ascorbic acid for the detection of Al (III) and Fe (II) ions**
Duru Kamacı Ü., Kamacı M., Peksel A.

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.254, 2021 (SCI-Expanded)

IV. **Selective and Sensitive ZnO Quantum Dots Based Fluorescent Biosensor for Detection of Cysteine**
Duru Kamaci Ü., Kamaci M.
JOURNAL OF FLUORESCENCE, vol.31, no.2, pp.401-414, 2021 (SCI-Expanded)

V. **Enhanced Catalytic Activity of Immobilized Phytase into Polyvinyl Alcohol-Sodium Alginate Based Electrospun Nanofibers**
Duru Kamaci Ü., Peksel A.
CATALYSIS LETTERS, vol.151, no.3, pp.821-831, 2021 (SCI-Expanded)

VI. **Preparation of polyvinyl alcohol, chitosan and polyurethane-based pH-sensitive and biodegradable hydrogels for controlled drug release applications**
Duru Kamaci Ü., Kamaci M.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, vol.69, no.18, pp.1167-1177, 2020 (SCI-Expanded)

VII. **Fabrication of PVA-chitosan-based nanofibers for phytase immobilization to enhance enzymatic activity**
Duru Kamacı Ü., Peksel A.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.164, pp.3315-3322, 2020 (SCI-Expanded)

VIII. **Poly(azomethine-urethane) and zeolite-based composite: Fluorescent biosensor for DNA detection**
Duru Kamacı Ü., Kamacı M., Peksel A.
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.212, pp.232-239, 2019 (SCI-Expanded)

IX. **Thermally Stable Schiff Base and its Metal Complexes: Molecular Docking and Protein Binding Studies**
Duru Kamacı Ü., Kamacı M., Peksel A.
Journal of Fluorescence, vol.27, pp.805-817, 2017 (SCI-Expanded)

Articles Published in Other Journals

I. **Poly(vinyl alcohol)-based Electrospun Nanofibers: Characterization and Phytase Immobilization**
DURU KAMACI Ü., PEKSEL A.
BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY, vol.12, no.6, pp.7573-7583, 2022 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

I. **Elektrospinning Yöntemi ile Fitaz İmmobilizasyonu**
Duru Kamacı Ü., Peksel A.
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019, pp.1

II. **Yeni Suda Çözünür Magnezyum Ftalosiyanin Sentezi Karekterizasyonu ve DNA Bağlama Özelliğinin Araştırılması**
KESKİN B., Okuyucu O., DURU KAMACI Ü., Yılmaz G. D., PEKSEL A.
4. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Aydın, Turkey, 17 - 20 March 2016

III. **Yeni Suda Çözünür Çinko Ftalosiyanin Sentezi Fotokimyasal ve DNA Bağlama Özelliklerinin İncelenmesi**
KESKİN B., Okuyucu O., DURU KAMACI Ü., PEKSEL A.
4. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Aydın, Turkey, 17 - 20 March 2016

IV. **ASPERGİLLUS NİGER PULLULANAZININ PEG-6000 İÇEREN KİTOSAN BONCUKLARA**

İMMOBİLİZASYONU
DURU KAMACI Ü., PEKSEL A.
27.Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 August 2015, pp.346

Scientific Refereeing

BIOPROCESS AND BIOSYSTEMS ENGINEERING, SCI Journal, March 2021
FIBERS AND POLYMERS, SCI Journal, March 2021

Metrics

Publication: 14
Citation (WoS): 75
Citation (Scopus): 146
H-Index (WoS): 5
H-Index (Scopus): 7

Awards

Duru Kamacı Ü., Yayın Teşvik Ödülü, Tübitak, March 2021
Duru Kamacı Ü., Yayın Teşvik Ödülü, Tübitak, October 2019