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International Researcher IDs

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Publons / Web Of Science ResearcherID: AHE-1430-2022

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Education Information

Doctorate, Gazi University, Sağlık Bilimleri Enstitüsü, Analitik Kimya (Dr), Turkey 2020 - Continues

Undergraduate, Ankara University, Eczacılık Fakültesi, Eczacılık Pr., Turkey 2014 - 2019

Research Areas

Analytical Chemistry

Academic Titles / Tasks

Research Assistant, Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Unraveling the interaction mechanism between orphan drug Nitisinone and bovine serum albumin through spectroscopic and in silico approaches**
Bilkay M., Yazıcı S., Erkmen C., Çelik İ., Şatana Kara H. E.
SPECTROCHIMICA ACTA - PART A: MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.322, no.124818, pp.1-13, 2024 (SCI-Expanded)
- II. **Spectroscopic, electrochemical, and molecular docking studies of the interaction between the antihistamine drug desloratadine and dsDNA**
Bilkay M., Kanbeş Dindar Ç., Bozal Palabıyık B., Eren G., Şatana Kara H. E., Uslu B.
ANALYTICAL BIOCHEMISTRY, vol.694, no.115622, pp.1-7, 2024 (SCI-Expanded)
- III. **Synthesis of novel phenylalanine-coated copper nanoclusters for fluorescent probes to determine the interactions of cancer drugs with DNA**
Bilkay M., Şatana Kara H. E.
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.249, no.116365, pp.1-10, 2024 (SCI-Expanded)
- IV. **Development of a new nanosensor for the determination of food coloring Sunset Yellow in powder drinks using L-cysteine coated copper nanoclusters**
Bilkay M., Karataş B., Şatana Kara H. E.

TURKISH JOURNAL OF CHEMISTRY, vol.48, no.2, pp.218-228, 2024 (SCI-Expanded)

V. Fluorometric determination of ornidazole by using BSA coated copper nanoclusters as a novel turn off sensor

Bilkay M., Şatana Kara H. E.

Turkish Journal of Chemistry, vol.46, no.2, pp.475-486, 2022 (SCI-Expanded)

Books & Book Chapters

I. İlaç ve Biyobelirteç Analizlerinde Nanobiyosensör Uygulamaları

Bilkay M., Erkmen C., Şatana Kara H. E., Uslu B.

in: Eczacılıkta Yenilikler 3, Prof. Dr. Gülbin Özçelıkay, Prof. Dr. İlkey Yıldız, Editor, Ankara Üniversitesi, Ankara, pp.67-92, 2020

Refereed Congress / Symposium Publications in Proceedings

I. SPECTROSCOPIC AND IN SILICO APPROACHES ON THE INTERACTION BETWEEN ORPHAN DRUG NITISINONE AND BOVINE SERUM ALBUMIN

Bilkay M., Yazıcı Ş., Erkmen C., Çelik İ., Şatana Kara H. E.

14th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 25 - 28 June 2024

II. THE INTERACTION STUDY OF ABIRATERONE ACETATE AND DNA USING PHENYLALANINE-COATED COPPER NANOCLUSTERS AS A FLUORESCENT PROBE

Bilkay M., Şatana Kara H. E.

14th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 25 - 28 June 2024

III. Synthesis, characterization and optimization of novel phenylalanine-coated copper nanoclusters with high fluorescence intensity

Bilkay M., Şatana Kara H. E.

PBA2023, 33 rd International Symposium on Pharmaceutical and Biomedical Analysis, Ankara, Turkey, 02 July 2023

IV. L-SİSTEİN KAPLI BAKIR NANOKÜMELER KULLANILARAK SUNSET YELLOW TAYİNİ İÇİN FLORESANS NANOSENSÖR GELİŞTİRİLMESİ

Bilkay M., Karataş B., Şatana Kara H. E.

10. Ulusal Analitik Kimya Kongresi, Muğla, Turkey, 7 - 11 September 2022, pp.51

V. DESLORATADİN ve DNA ETKİLEŞİMİNİN SPEKTROFLORİMETRİK OLARAK İNCELENMESİ

Karataş B., Bilkay M., Şatana Kara H. E.

10. Ulusal Analitik Kimya Kongresi, Muğla, Turkey, 7 - 11 September 2022, pp.156

VI. Synthesis of L-cysteine mediated copper nanoclusters as a turn-off fluorescent probe for the detection of indigotine

Bilkay M., Şatana Kara H. E.

3th International Gazi Pharma Symposium Series, GPSS 21, Ankara, Turkey, 8 - 10 September 2021, pp.1

VII. Determination of ornidazole in pharmaceutical dosage forms using BSA coated fluorescent copper nanocluster

BİLKAY M., ŞATANA KARA H. E.

13th Int. Symp. on Pharm. Sciences, 22 June 2021

Supported Projects

Bilkay M., TUBITAK Project, Yetim İlaç Olan Nitisinonun Bsa İle Etkileşiminin Spektroflorimetrik Olarak İncelenmesi Ve İdrarda Tayininin Gerçekleştirilmesi, 2023 - 2024

Şatana Kara H. E., Bilkay M., Project Supported by Higher Education Institutions, Fenilalanin Kaplı Bakır Nanokümlerin Sentezi ve Kanser İlaçlarının DNA ile Etkileşimlerinin Belirlenmesi İçin Floresant Prob Olarak Kullanımı, 2022 - 2024

Tasks In Event Organizations

Erdoğan Orhan İ., Mancak M., BİLKAY M., IV. Ulusal Eczacılık Eğitimi ve Akreditasyon Kongresi, Scientific Congress, Ankara, Turkey, Mart 2024

Metrics

Publication: 13

Citation (Scopus): 7

H-Index (Scopus): 1

Congress and Symposium Activities

3th International Gazi Pharma Symposium Series, GPSS 21, Attendee, Ankara, Turkey, 2021

13th Int. Symp. on Pharm. Sciences, Attendee, Ankara, Turkey, 2021

4th INTERNATIONAL CONGRESS ON BIOSENSORS, Audience, Çanakkale, Turkey, 2019