

Asst. Prof. Hasret Subak

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International Researcher IDs

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Education Information

Doctorate, Ege University, Faculty Of Pharmacy, Analitik Kimya Abd, Turkey 2014 - 2019

Undergraduate, Istanbul University, Faculty Of Pharmacy , Eczacılık, Turkey 2008 - 2013

Dissertations

Doctorate, DNA dizilerinin tayinine yönelik uygulama seti (KİT) tipinde elektrokimyasal nanobiyosensörlerin tasarımı, Van Yüzüncü Yil University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2019

Research Areas

Basic Pharmaceutics Sciences, Health Sciences, Pharmacology and Therapeutics, Analytical Chemistry, Chemical Engineering and Technology, Biotechnology, Bioprocess Separation Processes, Chemistry, Analytical Chemistry, Sensors, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Research Assistant PhD, Van Yüzüncü Yil University, Eczacılık Fakültesi, Temel Eczacılık Bölümü, 2013 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Ready-to-use diagnostic kit based on electrochemical nanobiosensor for antibiotic resistance gene determination**
Subak H., YILMAZ F. F., ARIKSOYSAL D.
Microchemical Journal, vol.204, 2024 (SCI-Expanded)
- II. **Electrochemical biosensing: from interaction between Epilobium species and DNA to an approach to detect new electroactive components in plant extracts and their effects on DNA**
Subak H., Dalar A., Mukemre M., ARIKSOYSAL D.
Ionics, vol.30, no.3, pp.1759-1771, 2024 (SCI-Expanded)
- III. **Novel Determination of the Influence of Idarubicin upon DNA Chain Structure Using an Electrochemical DNA Biosensor by Voltammetry**

Subak H.

Analytical Letters, vol.57, no.18, pp.2994-3008, 2024 (SCI-Expanded)

- IV. **Mycotoxins aptasensing: From molecular docking to electrochemical detection of deoxynivalenol**
Subak H., Selvolini G., Macchiagodena M., ARIKSOYSAL D., Pagliai M., Procacci P., Marrazza G.
BIOELECTROCHEMISTRY, vol.138, 2021 (SCI-Expanded)
- V. **Label-free electrochemical biosensor for the detection of Influenza genes and the solution of guanine-based displaying problem of DNA hybridization**
Subak H., Ozkan-Ariksoysal D.
SENSORS AND ACTUATORS B-CHEMICAL, vol.263, pp.196-207, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **Electrochemical Oxidation of Ranitidine using a Boron-Doped Diamond Electrode in the Presence of Anionic Surfactant: A Comprehensive Investigation**
SUBAK H., PINAR P. T.
Cumhuriyet Science Journal, vol.45, no.2, pp.249-255, 2024 (Peer-Reviewed Journal)
- II. **Electrochemical Behavior of Janus Kinase Inhibitor Ruxolitinib at a Taurine-Electropolymerized Carbon Paste Electrode: Insights into Sensing Mechanisms**
Subak H., Talay Pınar P.
ACS Applied Bio Materials, vol.7, no.5, pp.3179-3189, 2024 (ESCI)
- III. **Electrochemical biosensor for simultaneously detection of Tamoxifen**
SUBAK H.
Manas Journal of Engineering, vol.10, no.2, pp.165-170, 2023 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Kantitatif Analiz Laboratuvar Uygulamaları**
Yardım Y., KESKİN E., Aydın F., Subak H., Erşen Dudu T.
Yüzüncü Yıl Üniversitesi Yayınları, Van, 2016
- II. **Titrimetrik Analiz, Gravimetrik Analiz, Tampon çözeltiler**
Yardım Y., Keskin E., Aydın F., Subak H., Erşen Dudu T.
in: Kantitatif Analiz Laboratuvar Uygulamaları, Yardım Y., Keskin E. , Editor, Yüzüncü Yıl Üniversitesi, Van, pp.15-53, 2016

Refereed Congress / Symposium Publications in Proceedings

- I. **A HIGHLY SENSITIVE ELECTROCHEMICAL NANOBIOSENSOR FOR THE ANALYSIS OF DNA SEQUENCES BASED ON MELDOLA'S BLUE AND CARBON NANOTUBES**
SUBAK H., ARIKSOYSAL D.
XX. Euroanalysis 2019, International Conference, Düzenleyici: Türk Kimya Derneği, European Chemical Sciences ve Ankara Üniversitesi. İstanbul University, 1-5 September 2019, İstanbul Turkey., 1 - 05 September 2019
- II. **A HIGHLY SENSITIVE ELECTROCHEMICAL NANOBIOSENSOR FOR THE ANALYSIS OF PRANGOS MELIOCARPOIDES AND DNA INTERACTION**
Subak H., Dalar A., ÖZKAN ARIKSOYSAL D.
12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 29 June 2018, pp.119
- III. **Electrochemical Detection of Interaction between Verbascum sp and DNA by using Disposable Biosensors**
Subak H., Dalar A., Ozkan-Ariksoysal D.

26th Anniversary World Congress on Biosensors (Biosensors), Gothenburg, Sweden, 25 - 27 May 2016, vol.27, pp.143

IV. Electrochemical Detection Of Interaction Between Plantago Anatolica And Dna By Using Disposable Biosensors

Subak H., Dalar A., ÖZKAN ARIKSOYSAL D.

3rd International Congress on Biosensors, Ankara, Turkey, 07 October 2016, pp.303

V. Sempervivum davisii Muirhead ile DNA Arasındaki Etkileşimin Tayinine Yönelik Elektrokimyasal DNA Biyosensörü Geliştirilmesi

Subak H., Dalar A., ÖZKAN ARIKSOYSAL D.

XXII. BİTKİSEL İLAÇ HAMMADDELERİ TOPLANTISI, Trabzon, Turkey, 31 August - 05 September 2016, pp.225

VI. Electrochemical detection of interaction between verbascum sp. and DNA by using disposable biosensors

ÖZKAN ARIKSOYSAL D., Dalar A., Subak H.

26th Anniversary World Congress on Biosensors, Gothenburg, Sweden, 25 - 27 May 2016, pp.61

Metrics

Publication: 17

Citation (WoS): 11

Citation (Scopus): 12

H-Index (WoS): 2

H-Index (Scopus): 2

Non Academic Experience

Universita Degli Studi Firenze