

## Asst. Prof. Hasret Subak

### Personal Information

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### International Researcher IDs

ORCID: 0000-0003-0100-2529

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### Education Information

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

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

### Dissertations

Doctorate, DNA dizilerinin tayinine yönelik uygulama seti ( KİT) tipinde elektrokimyasal nanobiyoşensörlerin tasarımı, Van Yüzüncü Yıl 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 Yıl University, Eczacılık Fakültesi, Temel Eczacılık Bölümü, 2013 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **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)
- II. **Novel Determination of the Influence of Idarubicin upon DNA Chain Structure Using an Electrochemical DNA Biosensor by Voltammetry**  
Subak H.  
*Analytical Letters*, 2024 (SCI-Expanded)
- III. **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)

- IV. 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 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, 2024 (ESCI)

## Books & Book Chapters

- I. Kantitatif Analiz Laboratuvar Uygulamaları  
Yardım Y., KESKİN E., Aydin F., Subak H., Erşen Dudu T.  
Yüzüncü Yıl Üniversitesi Yayımları, Van, 2016
- II. Titrimetrik Analiz, Gravimetrik Analiz, Tampon çözeltiler  
Yardım Y., Keskin E., Aydin 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 MELIOPAPOIDES 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 ARIKOYSAL D., Dalar A., Subak H.

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

**Metrics**

Publication: 13

Citation (WoS): 11

Citation (Scopus): 12

H-Index (WoS): 2

H-Index (Scopus): 2

**Non Academic Experience**

Università Degli Studi Firenze