

## Res. Asst. PhD SEVİLAY ERDOĞAN KABLAN

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Analitik Kimya A.B.D., Turkey 2015 - 2022

Postgraduate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Analitik Kimya A.B.D., Turkey 2013 - 2015

Undergraduate, Bülent Ecevit Üniversitesi, Fen Edebiyat, Kimya, Turkey 2006 - 2011

### Dissertations

Doctorate, Omic Approaches and Electroanalytical Studies for Early Diagnosis of Acute Renal Failure Developing After Cardiopulmonary Bypass. Hacettepe University Graduate School Health Sciences, Analytical Chemistry, Hacettepe University, Sağlık Bilimleri Enstitüsü, Analitik Kimya A.B.D., 2022

Postgraduate, Sefuroksim aksetilin voltametrik davranışlarının incelenmesi ve elektroanalitik yöntemlerle farmasötik preparatlardan analizi, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Analitik Kimya (YI) (Tezli), 2015

### Research Areas

Basic Pharmaceutics Sciences, Pharmacology and Therapeutics, Analytical Chemistry, Chemistry, Analytical Chemistry, Electromagnetic Methods, Health Sciences, Natural Sciences

### Academic Titles / Tasks

Research Assistant PhD, Hacettepe University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2013 - Continues

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

- The potential role of hot flashes treatment strategies and regorafenib combinations in breast cancer therapy via co-drug loaded polymeric nanoparticles**  
Esim O., Adatepe S., Sarper M., Bakirhan N. K., ERDOĞAN KABLAN S., Kocak E., Ozkan C. K., NEMUTLU E., Savaser A., ÖZKAN S. A., et al.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, 2024 (SCI-Expanded)
- Metabolomics profiling for diagnosis of acute renal failure after cardiopulmonary bypass**  
ERDOĞAN KABLAN S., Yılmaz A., Syed H., Kocabeyoğlu S. S., Kervan Ü., ÖZALTIN N., NEMUTLU E.  
Rapid Communications in Mass Spectrometry, vol.38, no.9, 2024 (SCI-Expanded)
- Electrochemically based targeted metabolomics for uric acid, xanthine, and hypoxanthine in plasma**

**samples for early diagnosis of acute renal failure after cardiopulmonary bypass using rGO-GCE**

ERDOĞAN KABLAN S., Yılmaz A., Kervan Ü., Özaltın N., NEMUTLU E.

Talanta, vol.253, 2023 (SCI-Expanded)

- IV. **Voltammetric sensor for COVID-19 drug Molnupiravir on modified glassy carbon electrode with electrochemically reduced graphene oxide**  
ERDOĞAN KABLAN S., REÇBER T., Tezel G., TİMUR S. S., Karabulut C., Karabulut T. C., EROĞLU H., KIR S., NEMUTLU E.  
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.920, 2022 (SCI-Expanded)
- V. **Exometabolomic analysis of susceptible and multi-drug resistant Pseudomonas aeruginosa**  
Koçak E., Nigiz Ş., Özkan E., Erdoğan Kablan S., Hazirolan G., Nemutlu E., Kır S., Sağıroğlu M., Özkul C.  
LETTERS IN APPLIED MICROBIOLOGY, vol.75, no.2, pp.234-242, 2022 (SCI-Expanded)
- VI. **A stability indicating RP-HPLC method for determination of the COVID-19 drug molnupiravir applied using nanoformulations in permeability studies**  
REÇBER T., TİMUR S. S., ERDOĞAN KABLAN S., Yalçın F., Karabulut T. C., GÜRSOY R. N., EROĞLU H., KIR S., NEMUTLU E.  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.214, 2022 (SCI-Expanded)
- VII. **Simultaneous Determination of Thiocolchicoside and Diclofenac Diethyl Ammonium in Topical Gel Formulation by Square Wave Voltammetric Method**  
ERDOĞAN KABLAN S., ÖZALTIN N.  
RUSSIAN JOURNAL OF ELECTROCHEMISTRY, vol.56, no.7, pp.578-586, 2020 (SCI-Expanded)
- VIII. **Voltammetric Determination of Cefuroxime Axetil in Pharmaceuticals Using Graphene Oxide Modified Glassy Carbon Electrode and Hanging Mercury Drop Electrode**  
Kablan S., ÖZALTIN N.  
Russian Journal of Electrochemistry, vol.55, no.4, pp.305-313, 2019 (SCI-Expanded)
- IX. **Investigation of electrochemical behaviour of cefuroxime axetil using hanging mercury drop electrode and graphene oxide modified glassy carbon electrode**  
Kablan S., ÖZALTIN N.  
Journal of Electroanalytical Chemistry, vol.785, pp.144-151, 2017 (SCI-Expanded)
- X. **Indirect square-wave voltammetric determination of cefepime in the presence of formaldehyde**  
SÜSLÜ İ., ÇELEBİER M., Kablan S., Altınöz S.  
Latin American Journal of Pharmacy, vol.35, no.10, pp.2246-2253, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Comparative Metabolomic Profiles of Vascular Involvement in Behçet's Disease**  
YÜCEL Ç., SERTOĞLU E., OMMA A., KOÇAK E., ERDOĞAN KABLAN S., ÖZGÜRTAŞ T., NEMUTLU E.  
EUROPEAN JOURNAL OF RHEUMATOLOGY, vol.10, no.4, pp.130-135, 2023 (ESCI)
- II. **Electrochemical detection of antioxidant activities of 4-indolyl-5-oxo-6,6 (or 7,7)-dimethyl-1,4,5,6,7,8-hexahydroquinoline derivatives**  
SÜSLÜ İ., ERDOĞAN KABLAN S., Safak C., ŞİMŞEK R.  
JOURNAL OF RESEARCH IN PHARMACY, vol.25, no.1, pp.52-62, 2021 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Exploring the interplay between gut microbiome, fecal metabolomics and ambulatory blood pressure in white-coat hypertensive patients**  
ÖZBEK D. A., KOÇ N. S., nal N. e., ERDOĞAN KABLAN S., KAYGUSUZ Y., KARAHAN S., UYAROĞLU O. A., YILDIRIM T., Ergunay K., NEMUTLU E., et al.  
61st Congress of European-Renal-Association (ERA), Stockholm, Sweden, 23 - 26 May 2024

## II. High Throughput Extraction Strategies for Cell Culture Medium-Based Untargeted Exometabolomics Studies

NEMUTLU E., REÇBER T., EYLEM C. C., ERDOĞAN KABLAN S., Özesen S., DERKUŞ B., BOYACI E., KIR S.  
2nd European Sample Preparation Conference (EuSP2022), Turkey, 14 - 16 March 2022

### Supported Projects

NEMUTLU E., KOCABEYOĞLU S. S., YILMAZ A., KERVAN Ü., ERDOĞAN KABLAN S., ÖZALTIN N., Project Supported by Higher Education Institutions, Kardiyopulmoner bypass sonrası gelişen akut böbrek yetmezliğinin erken tanısı için omiks yaklaşımlar ve elektroanalitik çalışmalar, 2019 - 2022

ÖZKUL KOÇAK C., ERDOĞAN KABLAN S., Project Supported by Higher Education Institutions, Nonalkolik Karaciğer Yağlanması Olan Hastalarda Mikrobiyota Analizleri, 2016 - 2017

ÖZALTIN N., ERDOĞAN KABLAN S., Project Supported by Higher Education Institutions, Pramipeksolün voltametrik davranışlarının incelenmesi ve elektroanalitik yöntemlerle farmasötik preparatlardan analizi, 2016 - 2017

ÖZALTIN N., ERDOĞAN KABLAN S., Project Supported by Higher Education Institutions, Sefuroksim aksetilin voltametrik davranışlarının incelenmesi ve elektroanalitik yöntemlerle farmasötik preparatlardan analizi, 2015 - 2015

### Metrics

Publication: 14

Citation (WoS): 15

Citation (Scopus): 41

H-Index (WoS): 2

H-Index (Scopus): 4