

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Ege University, Faculty Of Engineering, Biyomühendislik Bölümü, Turkey 2020 - Continues

Postgraduate, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Biyomühendislik, Turkey 2019 - 2020

Undergraduate, Ege University, Faculty Of Engineering, Biyomühendislik, Turkey 2013 - 2017

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Life Sciences, Biochemistry, Biomolecules, Biotechnology, Biomaterial, Bioreactor, Biosensor, Microbiology, Immunology, Natural Sciences

Academic Titles / Tasks

Research Assistant, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Biyomühendislik, 2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Lateral flow assays for food analyses: Food contaminants, allergens, toxins, and beyond**
İnce B., ULUDAĞ İ., DEMİRBAKAN B., ÖZYURT C., ÖZCAN B., SEZGİNTÜRK M. K.
TrAC - Trends in Analytical Chemistry, vol.169, 2023 (SCI-Expanded)
- II. **Lab-on-a-chip systems for cancer biomarker diagnosis**
ÖZYURT C., ULUDAĞ İ., İnce B., SEZGİNTÜRK M. K.
Journal of Pharmaceutical and Biomedical Analysis, vol.226, 2023 (SCI-Expanded)
- III. **Fluid-based wearable sensors: a turning point in personalized healthcare**
Vural B., ULUDAĞ İ., İnce B., ÖZYURT C., Ozturk F., SEZGİNTÜRK M. K.
Turkish Journal of Chemistry, vol.47, no.5, pp.944-967, 2023 (SCI-Expanded)
- IV. **Ultrasensitive and Cost-Effective Detection of Neuropeptide-Y by a Disposable Immunosensor: A New Functionalization Route for Indium-Tin Oxide Surface**
ULUDAĞ İ., SEZGİNTÜRK M. K.
BIOSENSORS-BASEL, vol.12, no.11, 2022 (SCI-Expanded)

- V. **An ultrasensitive and disposable electrochemical aptasensor for prostate-specific antigen (PSA) detection in real serum samples**
Özyurt C., Uludağ İ., Sezgintürk M. K.
ANALYTICAL AND BIOANALYTICAL CHEMISTRY, vol.8, pp.1-14, 2022 (SCI-Expanded)
- VI. **Biosensing strategies for diagnosis of prostate specific antigen**
ÖZYURT C., ULUDAĞ İ., Ince B., SEZGİNTÜRK M. K.
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.209, 2022 (SCI-Expanded)
- VII. **A direct and simple immobilization route for immunosensors by CNBr activation for covalent attachment of anti-leptin: obesity diagnosis point of view**
ULUDAĞ İ., SEZGİNTÜRK M. K.
3 BIOTECH, vol.12, no.1, 2022 (SCI-Expanded)
- VIII. **An ultrasensitive electrochemical immunosensor platform based on disposable ITO electrode modified by 3-CPTMS for early detection of parathyroid hormone**
ULUDAĞ İ., SEZGİNTÜRK M. K.
TURKISH JOURNAL OF CHEMISTRY, vol.43, no.6, pp.1697-1710, 2019 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **An Immunosensor Using A Specific Aptamer as A Bioreceptor for Quantification of Sarcosine**
ULUDAĞ İ., ÖZYURT C., ÜNAL M. A., SEZGİNTÜRK M. K., ÖZKAN S. A.
33rd International Symposium on Pharmaceutical and Biomedical Analysis, 2 - 06 July 2023
- II. **Activation of ITO surface by Hexamethylene diisocyanate for the development of a disposable immunosensor: ultrasensitive and low-cost detection of neuropeptide Y**
ULUDAĞ İ., SEZGİNTÜRK M. K.
4th EURASIA BIOCHEMICAL APPROACHES & TECHNOLOGIES (EBAT) CONGRESS, 03 November 2022
- III. **Development of QTF-based electrochemical aptasensor for sarcosine detection**
Uludağ İ., Özyurt C., Ünal M. A., Sezgintürk M. K., Özkan S. A.
5th International Congress on Biosensors, Çanakkale, Turkey, 21 - 23 September 2022, pp.1
- IV. **Development of a disposable and highly sensitive electrochemical aptasensor for prostate-specific antigen (PSA) detection**
Özyurt C., Uludağ İ., Sezgintürk M. K.
5th International Congress on Biosensors, Çanakkale, Turkey, 21 - 23 September 2022, pp.1
- V. **Impedimetric Analysis of Sarcosine by Using Aptamer Modified Gold-Coated ITO Electrode**
ÖZYURT C., ULUDAĞ İ., SEZGİNTÜRK M. K.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.1
- VI. **A new immobilization route for immunosensors: CNBr activation for covalent attachment of anti-Leptin onto the electrode surfaces**
ULUDAĞ İ., SEZGİNTÜRK M. K.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.1
- VII. **3-cyanopropyltrimethoxysilane based electrochemical immunosensor system: Highly sensitive analysis of Parathyroid hormone**
ULUDAĞ İ., SEZGİNTÜRK M. K.
Euroanalysis 2019, İstanbul, Turkey, 1 - 05 September 2019, pp.1
- VIII. **An Ultrasensitive Electrochemical Immunosensor Platform Based 3-CPTMS Modified with Disposable ITO-PET Electrodes for Early Detection of Parathyroid Hormone**
ULUDAĞ İ., SEZGİNTÜRK M. K.
4th International Congress on Biosensors, Çanakkale, Turkey, 8 - 11 July 2019, pp.1

Supported Projects

SEZGİNTÜRK M. K., ÖZYURT C., DEMİRBAKAN B., ÖZCAN B., ULUDAĞ İ., İNCE B., ÖZKAN S. A., ÜNAL M. A., Project Supported by Higher Education Institutions, Allerjen proteinlerin tespiti için QTF esaslı aptasensörlerin geliştirilmesi ve uygulanması, 2023 - Continues

ÖZYURT C., SEZGİNTÜRK M. K., ULUDAĞ İ., Project Supported by Higher Education Institutions, Aptamer ile Modifiye Edilmiş ITOPET Elektrot Temelli İmpedimetrik PSA Biyosensörünün Tasarlanması, 2020 - 2022

SEZGİNTÜRK M. K., İnce B., ÖZYURT C., ULUDAĞ İ., AYDIN E. B., AYDIN M., Project Supported by Higher Education Institutions, CORONA VİRÜS TANISI İÇİN LATERAL FLOW IMMUNOASSAY TEST KİTİ CoV19LFA GELİŞTİRİLMESİ, 2020 - 2021

SEZGİNTÜRK M. K., ULUDAĞ İ., Project Supported by Higher Education Institutions, Leptin ve Nöropeptit Y analizi için tek kullanımlık biyogölama sistemlerinin geliştirilmesi, 2019 - 2020

Metrics

Publication: 16
Citation (WoS): 5
Citation (Scopus): 25
H-Index (WoS): 2
H-Index (Scopus): 3