Lect. PhD YEŞİM TUĞÇE YAMAN ABACI

Personal Information

Email: tugce.yaman@hacettepe.edu.tr
Web: http://ssrg.hacettepe.edu.tr/

International Researcher IDs
ORCID: 0000-0001-9693-6302
Yoksis Researcher ID: 282690

Education Information

Doctorate, Hacettepe University, Fen Fakültesi, Kimya Bölümü, Turkey 2016 - 2020
Postgraduate, Hacettepe University, Fen Bilimleri Ens., Kimya/ Analitik Kimya A.D., Turkey 2013 - 2016
Undergraduate, Hacettepe University, Mühendislik Fakültesi, Gıda Mühendisliği, Turkey 2008 - 2013

Dissertations

Postgraduate, Ambalaj Malzemelerinden Gıdaya Bulaşan ve Gıda Güvenilirliğini Tehdit Eden Maddelerin Elektrokimyasal Yöntemle Tespiti, Hacettepe Üniversitesi, Fen Bilimleri Ens., Kimya/ Analitik Kimya A.D., 2016

Research Areas

Chemistry, Analytical Chemistry, Electromagnetic Methods, Natural Sciences

Academic Titles / Tasks

Lecturer PhD, Hacettepe University, ----------, 2018 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Controllable synthesis of Ag2Se binary thin-film via electrochemical atomic layer epitaxy (ECALE) and its characterization**
Bolat G., Yaman Y. T., Dede E. K., ABACI S.
Materials Chemistry and Physics, vol.318, 2024 (SCI-Expanded)

II. **Fabrication of ternary Cu-Sb-Te thin films by electrochemical co-deposition strategy at one-stage process**
Yaman Y. T., Bolat G., Aydin Z. Y., ABACI S.
Journal of Solid State Electrochemistry, vol.27, no.10, pp.2761-2770, 2023 (SCI-Expanded)

III. **Electrosynthesis of poly (4-amino-3-nitrostyrene) film and its characterization**
BOLAT TOPÇU G., YAMAN Y. T., AKBAL VURAL Ö., ABACI S., UZUN C.
JOURNAL OF APPLIED ELECTROCHEMISTRY, vol.53, no.2, pp.227-240, 2023 (SCI-Expanded)

IV. **Secondary metabolite-entrapped, anti-GPA33 targeted poly-dopamine nanoparticles and their effectiveness in cancer treatment**

AKBAL VURAL Ö., YAMAN Y. T., ABACI S.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.139, no.22, 2022 (SCI-Expanded)

V. **Peptide nanotubes/self-assembled polydopamine molecularly imprinted biochip for the impedimetric detection of human Interleukin-6**
YAMAN Y. T., AKBAL VURAL Ö., BOLAT G., ABACI S.
BIOELECTROCHEMISTRY, vol.145, 2022 (SCI-Expanded)

VI. **Peptide nanotube functionalized molecularly imprinted polydopamine based single-use sensor for impedimetric detection of malathion**
YAMAN Y. T., BOLAT G., ABACI S., Saygin T. B.
ANALYTICAL AND BIOANALYTICAL CHEMISTRY, vol.414, no.2, pp.1115-1128, 2022 (SCI-Expanded)

VII. **Human Serum Albumin-Gold Nanoparticle Based Impedimetric Sensor for Sensitive Detection of miRNA-200c**
Akbal Vural Ö., Yaman Y. T., Bolat G., Abacı S.
ELECTROANALYSIS, vol.33, no.4, pp.925-935, 2021 (SCI-Expanded)

VIII. **Molecularly imprinted label-free sensor platform for impedimetric detection of 3-monochloropropane-1,2-diol**
YAMAN Y. T., BOLAT G., Saygin T. B., ABACI S.
SENSORS AND ACTUATORS B-CHEMICAL, vol.328, 2021 (SCI-Expanded)

IX. **Polydopamine nanoparticles-assisted impedimetric sensor towards label-free lung cancer cell detection**
Bolat G., Akbal Vural Ö., Yaman Y. T., Abacı S.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.119, 2021 (SCI-Expanded)

X. **Ultrathin polypyrrole films on self-assembled monolayers as an efficient ultramicroelectrode assay**
BOLAT G., YAMAN Y. T., KURALAY F., ABACI S.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.137, no.43, 2020 (SCI-Expanded)

XI. **One-pot synthesized gold nanoparticle-peptide nanotube modified disposable sensor for impedimetric recognition of miRNA 410**
Yaman Y. T., Akbal Vural Ö., Bolat G., Abacı S.
SENSORS AND ACTUATORS B-CHEMICAL, vol.320, 2020 (SCI-Expanded)

XII. **Molecular imprinted polymer based electrochemical sensor for selective detection of paraben**
Yucebas B. B., YAMAN Y. T., BOLAT G., ÖZGÜR E., UZUN L., ABACI S.
SENSORS AND ACTUATORS B-CHEMICAL, vol.305, 2020 (SCI-Expanded)

XIII. **Molecularly imprinted electrochemical impedance sensor for sensitive dibutyl phthalate (DBP) determination**
Bolat G., Yaman Y. T., Abacı S.
SENSORS AND ACTUATORS B-CHEMICAL, vol.299, 2019 (SCI-Expanded)

XIV. **Electroactive polyglycine coatings for nanobiosensing applications: Label-free DNA hybridization, DNA-Antitumor agent interaction and antitumor agent determination**
Gursoy S., Dukar N., YAMAN Y. T., Abaci S., Kuralay F.
ANALYTICA CHIMICA ACTA, vol.1072, pp.15-24, 2019 (SCI-Expanded)

XV. **Development of clay-protein based composite nanoparticles modified single-used sensor platform for electrochemical cytosensing application**
YAMAN Y. T., AKBAL Ö., ABACI S.
Biosensors and Bioelectronics, vol.132, pp.230-237, 2019 (SCI-Expanded)

XVI. **Folic acid conjugated Prussian blue nanoparticles: Synthesis, physicochemical characterization and targeted cancer cell sensing**
AKBAL Ö., BOLAT G., YAMAN Y. T., ABACI S.
Colloids and Surfaces B: Biointerfaces, 2019 (SCI-Expanded)

XVII. **Development of Titania Nanotube-based Electrochemical Immunosensor and Determination of Prostate Specific Antigen**

KIZILTAN D., VURAL T., BAYRAM C., OZTURK S., BOZDOGAN B., YAMAN Y. T., ABACI S., DENKBAŞ E. B.
ANALYTICAL SCIENCES, vol.34, no.7, pp.789-794, 2018 (SCI-Expanded)

XVIII. **Peptide nanoparticles (PNPs) modified disposable platform for sensitive electrochemical cytosensing of DLD-1 cancer cells**
YAMAN Y. T., Akbal Ö., BOLAT G., BOZDOGAN B., DENKBAŞ E. B., ABACI S.
Biosensors and Bioelectronics, vol.104, pp.50-57, 2018 (SCI-Expanded)

XIX. **Highly sensitive electrochemical assay for Bisphenol A detection based on poly (CTAB)/MWCNTs modified pencil graphite electrodes**
Bolat G., Yaman Y. T., Abacı S.
SENSORS AND ACTUATORS B-CHEMICAL, vol.255, pp.140-148, 2018 (SCI-Expanded)

XX. **Electrochemical immunoassay for detection of prostate specific antigen based on peptide nanotube-gold nanoparticle-polyaniline immobilized pencil graphite electrode**
VURAL T., YAMAN Y. T., OZTURK S., ABACI S., DENKBAŞ E. B.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.510, pp.318-326, 2018 (SCI-Expanded)

XXI. **An ionic liquid/bismuth film-modified sensor for the electrochemical detection of cefixime**
Yaman Y. T., Bolat G., Yardimci C., Abacı S.
TURKISH JOURNAL OF CHEMISTRY, vol.42, no.3, pp.826-839, 2018 (SCI-Expanded)

XXII. **Anodic stripping voltammetric determination of vardenafil hydrochloride at pencil graphite electrode**
AYDIN Z. Y., YAMAN Y. T., YASACAN M., Cirak T., ABACI S.
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.14, no.4, pp.803-810, 2017 (SCI-Expanded)

XXIII. **Sensitive Adsorptive Voltammetric Method for Determination of Bisphenol A by Gold Nanoparticle/Polyvinylpyrrolidone-Modified Pencil Graphite Electrode**
YAMAN Y. T., ABACI S.
SENSORS, vol.16, no.6, 2016 (SCI-Expanded)

Articles Published in Other Journals

I. **Poly-arginine/graphene oxide functionalized disposable sensor for monitoring fenitrothion pesticide residues in water and cucumber samples**
Bolat G., YAMAN Y. T., ABACI S., Seyyar S.
Materials Today Chemistry, vol.30, 2023 (Scopus)

Supported Projects

BOLAT TOPÇU G., YAMAN Y. T., ABACI S., Project Supported by Higher Education Institutions, Nanokompozit Tabakası içeren DNA Biyosensörünün Hazırlanması ve DNA Antikanser İlacı Etkileşiminin İncelenmesi, 2020 - 2022
ABACI S., ÇELEBİER M., ŞARDAN EKİZ M., AYDIN DEDE E. E., AKBAL Ö., YAMAN Y. T., Project Supported by Higher Education Institutions, İleri Teknolojiler Uygulama ve Araştırma Merkezi HÜNİTEK TS EN ISOIEC 17025 Akreditasyon Başvurusu, 2019 - 2020
AKBAL VURAL Ö., TAŞKIRAN Z. E., BOLAT G., TUĞÇE YAMAN Y., Project Supported by Higher Education Institutions, mikroRNA Teşhisi İçin Tek Kullanımlık, Etiketsiz Nanobiyosensörlerin Geliştirilmesi ve Uygulaması, 2018 - 2020
ABACI S., AKBAL Ö., YAMAN Y. T., ŞENEL S., Project Supported by Higher Education Institutions, Dopamin Teşhisi İçin Düşük Maliyetli Yüksek Duyarlık ve Seçicilik Gösteren Sensörlerin Geliştirilmesi, 2018 - 2019

Metrics

Publication: 27

Citation (WoS): 294
Citation (Scopus): 332
H-Index (WoS): 9
H-Index (Scopus): 10