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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAC-4586-2020

ScopusID: 55607423500

Yoksis Researcher ID: 121626

Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2011 - 2015

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 2009 - 2011

Undergraduate, Ankara University, Fen Fakültesi, Kimya Bölümü, Turkey 2005 - 2009

Dissertations

Doctorate, Bazı iletken polimer modifiye elektrotların hazırlanması ve dsDNA-ilaç etkileşiminin elektrokimyasal yöntemlerle incelenmesi, Ankara University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2015

Postgraduate, Çinko oksit modifiye karbon pasta enzim elektrotla glukoz tayini, Ankara University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2011

Research Areas

Electrochemical Processes, Material Characterization, Nanomaterials, Biosensor, Sensors, Biochemistry, Electrochemistry

Academic Titles / Tasks

Associate Professor, Ankara University, Fen Fakültesi, Kimya Bölümü, 2018 - Continues

Academic and Administrative Experience

Fakülte Yönetim Kurulu Üyesi, Ankara University, Fen Fakültesi, Kimya Bölümü, 2020 - Continues

Deputy Head of Department, Ankara University, Fen Fakültesi, Kimya Bölümü, 2020 - Continues

Courses

Biyosensörler, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Biochemistry Laboratory, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Proteinlerin Ayırma ve Saflaştırma Yöntemleri, Undergraduate, 2022 - 2023, 2019 - 2020, 2018 - 2019

Biyokimya II, Undergraduate, 2022 - 2023, 2019 - 2020

Temel Kimya I (İnşaat Mühendisliği), Undergraduate, 2023 - 2024

Biyokimya I, Undergraduate, 2022 - 2023, 2020 - 2021

General Chemistry II, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

General Chemistry I, Undergraduate, 2018 - 2019

Advising Theses

Aydoğdu Tığ G., Lizozimin hassas ve seçici tayinine yönelik aptamer temelli elektrokimyasal biyosensörlerin hazırlanması ve uygulamaları, Postgraduate, N.ÖYKÜ(Student), 2023

Uslu B., AYDOĞDU TIĞ G., Beyin hasarı biyobelirteçlerinin biyolojik numunelerden erken teşhisine yönelik analitik yöntem geliştirilmesi, Doctorate, C.ERKMEN(Student), 2022

AYDOĞDU TIĞ G., Dopamin ve serotonin tayini için nanomalzeme temelli elektrokimyasal sensörlerin hazırlanması, karakterizasyonu ve uygulamaları, Postgraduate, N.ŞİMŞEK(Student), 2021

Jury Memberships

Post Graduate, Post Graduate, Gazi Üniversitesi, August, 2023

Post Graduate, Post Graduate, Gazi Üniversitesi, July, 2023

Doctoral Examination, Doctoral Examination, Ankara Üniversitesi, October, 2022

Post Graduate, Post Graduate, Kütahya Dumlupınar Üniversitesi, June, 2022

Post Graduate, Post Graduate, Gazi Üniversitesi, June, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, June, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Development of a Cu@ERGO-p(L-Lys) Modified GCE Electrochemical Sensor for the Simultaneous Detection of Ascorbic Acid, Dopamine, and Uric Acid**
Atis H. E., Turan K., AYDOĞDU TIĞ G.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, no.7, 2024 (SCI-Expanded)
- II. **Development of an electrochemical biosensor utilizing a combined aptamer and MIP strategy for the detection of the food allergen lysozyme**
Erdoğan N. Ö., Uslu B., Aydoğdu Tığ G.
MIKROCHIMICA ACTA, vol.90, pp.1-10, 2023 (SCI-Expanded)
- III. **Evaluation of aptamer and molecularly imprinted polymers as a first hybrid sensor for leptin detection at femtogram levels**
ERKMEN C., AYDOĞDU TIĞ G., USLU B.
TALANTA, vol.265, 2023 (SCI-Expanded)
- IV. **Development of a facile electrochemical sensor based on GCE modified with one-step prepared PNMA-CeO₂-fMWCNTs composite for simultaneous detection of UA and 5-FU**
Turan K., Uge A., ZEYBEK B., AYDOĞDU TIĞ G.
ANALYTICAL METHODS, vol.16, no.1, pp.40-50, 2023 (SCI-Expanded)
- V. **Decoration of Bi₂O₃NPs-AgNPs-ErGO as a first electrochemical nanosensor for sensitive determination of nelarabine in pharmaceutical dosage form and human serum samples**
Zahirul Kabir M., Erkmen C., Kurbanoglu S., Aydoğdu Tığ G., Uslu B.

JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.944, 2023 (SCI-Expanded)

- VI. **Recent advances in two dimensional nanomaterial-based electrochemical (bio)sensing platforms for trace-level detection of amino acids and pharmaceuticals**
Uçar A., Aydoğdu Tiğ G., Er E.
TRAC-TRENDS IN ANALYTICAL CHEMISTRY, vol.162, 2023 (SCI-Expanded)
- VII. **Gold Nanoparticles-electrochemically Reduced Graphene Oxide/Poly(indole-5-carboxylic acid) Nanocomposite for Electrochemical Non-enzymatic Sensing of Hydrogen Peroxide**
AYDOĞDU TIĞ G., ZEYBEK B.
ELECTROANALYSIS, vol.35, no.2, 2023 (SCI-Expanded)
- VIII. **Nanomaterial-based sandwich-type electrochemical aptasensor platform for sensitive voltammetric determination of leptin**
Erkmen C., AYDOĞDU TIĞ G., USLU B.
MICROCHIMICA ACTA, vol.189, no.10, 2022 (SCI-Expanded)
- IX. **Design strategies, current applications and future perspective of aptasensors for neurological disease biomarkers**
Erkmen C., AYDOĞDU TIĞ G., Marrazza G., USLU B.
TRAC-TRENDS IN ANALYTICAL CHEMISTRY, vol.154, 2022 (SCI-Expanded)
- X. **First label-free impedimetric aptasensor based on Au NPs/TiO₂ NPs for the determination of leptin**
ERKMEN C., TIĞ G., USLU B.
Sensors and Actuators B: Chemical, vol.358, 2022 (SCI-Expanded)
- XI. **Graphene Quantum Dot-poly(L-lysine)-gold Nanoparticles Nanocomposite for Electrochemical Determination of Dopamine and Serotonin**
Simsek N., AYDOĞDU TIĞ G.
ELECTROANALYSIS, vol.34, no.1, pp.61-73, 2022 (SCI-Expanded)
- XII. **Selective determination of non-organophosphorus insecticide using DNA aptamer-based single-use biosensors**
Kocer M. B., AYDOĞDU TIĞ G., Pekyardimci S.
BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, vol.68, pp.1174-1184, 2021 (SCI-Expanded)
- XIII. **A novel tool for the adsorption of dsDNA: Electrochemical reduction of Pd nanoparticles onto reduced-keratin particles extracted from wool wastes**
KALKAN ERDOĞAN M., AYDOĞDU TIĞ G., SAÇAK M.
BIOELECTROCHEMISTRY, vol.140, 2021 (SCI-Expanded)
- XIV. **An electrochemical sandwich-type aptasensor for determination of lipocalin-2 based on graphene oxide/polymer composite and gold nanoparticles**
AYDOĞDU TIĞ G., Pekyardimci S.
TALANTA, vol.210, 2020 (SCI-Expanded)
- XV. **Interaction of prednisone with dsDNA at silver nanoparticles/poly (glyoxal-bis(2-hydroxyanil))/dsDNA modified electrode and its analytical application**
AYDOĞDU TIĞ G., KOYUNCU ZEYBEK D., ZEYBEK B., Pekyardimci S.
BIOELECTROCHEMISTRY, vol.126, pp.56-63, 2019 (SCI-Expanded)
- XVI. **Highly sensitive amperometric biosensor for determination of NADH and ethanol based on Au-Ag nanoparticles/poly(L-Cysteine)/reduced graphene oxide nanocomposite**
AYDOĞDU TIĞ G.
TALANTA, vol.175, pp.382-389, 2017 (SCI-Expanded)
- XVII. **Development of electrochemical sensor for detection of ascorbic acid, dopamine, uric acid and L-tryptophan based on Ag nanoparticles and poly(L-arginine)-graphene oxide composite**
AYDOĞDU TIĞ G.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.807, pp.19-28, 2017 (SCI-Expanded)
- XVIII. **A selective sensor based on Au nanoparticles-graphene oxide-poly(2,6-pyridinedicarboxylic acid) composite for simultaneous electrochemical determination of ascorbic acid, dopamine, and uric acid**
AYDOĞDU TIĞ G., Gunendi G., Pekyardimci S.

- JOURNAL OF APPLIED ELECTROCHEMISTRY, vol.47, no.5, pp.607-618, 2017 (SCI-Expanded)
- XIX. **Fabrication of an amperometric acetylcholine esterase-choline oxidase biosensor based on MWCNTs-Fe(3)O(4)NPs-CS nanocomposite for determination of acetylcholine**
Bolat E. O., AYDOĞDU TIĞ G., Pekyardimci S.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.785, pp.241-248, 2017 (SCI-Expanded)
- XX. **Study on interaction between the, 2-(2-phenylethyl)-5-methylbenzimidazole and dsDNA using glassy carbon electrode modified with poly-3-amino-1,2,4-triazole-5-thiol**
AYDOĞDU TIĞ G., Gunendi G., ERTAN BOLELLİ T., Yalcin I., Pekyardimci S.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.776, pp.9-17, 2016 (SCI-Expanded)
- XXI. **Electrochemical DNA biosensor based on poly(2,6-pyridinedicarboxylic acid) modified glassy carbon electrode for the determination of anticancer drug gemcitabine**
AYDOĞDU TIĞ G., ZEYBEK B., Pekyardimci S.
TALANTA, vol.154, pp.312-321, 2016 (SCI-Expanded)
- XXII. **Fabrication of amperometric cholesterol biosensor based on SnO₂ nanoparticles and Nafion-modified carbon paste electrode**
AYDOĞDU TIĞ G., KOYUNCU ZEYBEK D., Pekyardimci S.
CHEMICAL PAPERS, vol.70, no.6, pp.695-705, 2016 (SCI-Expanded)
- XXIII. **Electrochemical glucose biosensor based on nickel oxide nanoparticle-modified carbon paste electrode**
Erdem C., KOYUNCU ZEYBEK D., AYDOĞDU TIĞ G., ZEYBEK B., Pekyardimci S., Kilic E.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.42, no.4, pp.237-244, 2014 (SCI-Expanded)
- XXIV. **A novel electrochemical DNA biosensor based on poly-(5-amino-2-mercapto-1,3,4-thiadiazole) modified glassy carbon electrode for the determination of nitrofurantoin**
AYDOĞDU TIĞ G., Gunendi G., KOYUNCU ZEYBEK D., ZEYBEK B., Pekyardimci S.
SENSORS AND ACTUATORS B-CHEMICAL, vol.197, pp.211-219, 2014 (SCI-Expanded)
- XXV. **A novel amperometric biosensor based on ZnO nanoparticles-modified carbon paste electrode for determination of glucose in human serum**
AYDOĞDU TIĞ G., KOYUNCU ZEYBEK D., Pekyardimci S., Kilic E.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.41, no.5, pp.332-338, 2013 (SCI-Expanded)
- XXVI. **Electrochemical sensing of NADH on NiO nanoparticles-modified carbon paste electrode and fabrication of ethanol dehydrogenase-based biosensor**
AYDOĞDU TIĞ G., KOYUNCU ZEYBEK D., ZEYBEK B., Pekyardimci S.
JOURNAL OF APPLIED ELECTROCHEMISTRY, vol.43, no.5, pp.523-531, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Hesperidin-dsDNA Interaction Based on Electrochemically Reduced Graphene Oxide and Poly-(2,6-Pyridinedicarboxylic Acid) Modified Glassy Carbon Electrode**
AYDOĞDU TIĞ G., BOLAT E. Ö., ZEYBEK B., PEKYARDIMCI Ş.
Hacettepe Journal of Biology and Chemistry, vol.44, no.4, pp.487-497, 2016 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Nanobiosensors: Construction and Diagnosis of Disease**
Erkmen C., Aydoğdu Tiğ G., Uslu B.
in: Handbook of Nanobioelectrochemistry, Pranjali Chandra, Uday Pratab Azad, Editor, Springer Nature, Singapore, pp.639-660, 2023
- II. **Nanobiosensors: Construction and Diagnosis of Disease**
ERKMEN C., USLU B., AYDOĞDU TIĞ G.

in: Handbook of Nanobioelectrochemistry Application in Devices and Biomolecular Sensing, , Editor, Springer Nature, pp.639-660, 2023

III. **Functionalized Nanobiomaterials in Electroanalysis and Diagnosis of Biomolecules.**

AYDOĞDU TIĞ G., KOYUNCU ZEYBEK D., ZEYBEK B.

in: Handbook of Nanobioelectrochemistry: Application in Devices and Biomolecular Sensing,, , Editor, Springer Nature, pp.457-482, 2023

IV. **Metal Nanoparticles-Based Biomarkers for Clinical Diagnosis**

Şimşek N., Erdoğan N. Ö., AYDOĞDU TIĞ G.

in: Handbook of Nanobioelectrochemistry Application in Devices and Biomolecular Sensing, , Editor, Springer Nature, pp.541-567, 2023

V. **Nanostructured Electrochemical Biosensors for Medical Applications**

AYDOĞDU TIĞ G., PEKYARDIMCI Ş.

in: Emerging Technologies in Biophysical Sciences: A World Scientific Reference Volume 3: Emerging Technologies for Diagnostics, Demirci Utkan, Inci Fatih, Wang Shuqi, Editor, World Scientific, pp.157-174, 2022

Refereed Congress / Symposium Publications in Proceedings

I. **Development of Electrochemical Sensor Based on Glassy Carbon Electrode Modified with CeO₂/PNMA/fMWCNTs composite for Simultaneous Detection of Uric Acid and 5-Fluorouracil**

Turan K., Üğre A., ZEYBEK B., AYDOĞDU TIĞ G.

33rd International Symposium on Pharmaceutical and Biomedical Analysis (PBA2023), Ankara, Turkey, 02 July 2023

II. **Electrochemical Sensor Based on a CeO₂ /AuNPs-P-(L-Lysine) Composite for Simultaneous Determination Dopamine and L-Tryptophan**

Şimşek N., AYDOĞDU TIĞ G.

4. Euroasia Biochemical Approaches and Technologies, Antalya, Turkey, 3 - 06 November 2022

III. **A Novel and Highly Efficient Electrochemical Nanosensor for The Determination of An Anticancer Drug Nelarabine**

Kabir Z., ERKMEN C., AYDOĞDU TIĞ G., KURBANOĞLU S., USLU B.

16th NANOSCIENCE & NANOTECHNOLOGY CONFERENCE (NANO TR-16), Ankara, Turkey, 5 - 08 September 2022

IV. **A Sensitive Electrochemical Non-Enzymatic Hydrogen Peroxide Sensor Using AuNPs-ERGO/Poly(Indole-5-carboxylic acid) Nanocomposite**

AYDOĞDU TIĞ G., ZEYBEK B.

13th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 22 - 25 June 2021

V. **Dopamin ve Serotoninin Elektrokimyasal Tayini İçin AuNPs/p(L-Lizin)-GQD Nanokompozit Modifiye Kalem Grafit Elektrot Geliştirilmesi**

ŞİMŞEK N., AYDOĞDU TIĞ G.

32. Ulusal Kimya Kongresi, Turkey, 17 - 19 September 2020

VI. **Label-free Electrochemical Immunosensor for Neutrophil Gelatinase-Associated Lipocalin Detection**

AYDOĞDU TIĞ G.

1st Eurasia Biochemical Approaches Technologies (EBAT) Congress, 27 - 30 October 2018

VII. **Hidrokinon ve Katekol Tayini için Altın nanopartikül-Poli(L-Arjinin) nanokompozit temelli voltametrik sensör geliştirilmesi**

AYDOĞDU TIĞ G.

29. Ulusal Kimya Kongresi, Turkey, 10 - 14 September 2017

VIII. **Simultaneous sensing of ascorbic acid, dopamine, uric acid and L-tryptophan using AgNPs, graphene oxide and poly(L-Arginine) composite**

AYDOĞDU TIĞ G.

8th Annual Congress on Analytical and Bioanalytical Techniques, 28 - 30 August 2017

- IX. **Interaction of dsDNA with prednisone at poly(glyoxal-bis(2-hydroxyanil)) modified GCE**
AYDOĞDU G., KOYUNCU ZEYBEK D., ZEYBEK B., PEKYARDIMCI Ş.
Advances in Functional Materials, Los-Angeles, Chile, 14 - 17 August 2017
- X. **A disposable voltammetric aptasensor based on sandwich assay for pesticide detection**
AYDOĞDU TIĞ G., KOÇER M. B., GÜNENDİ G., PEKYARDIMCI Ş.
BIOMED 2017, 12 - 14 May 2017
- XI. **Simultaneous Electrochemical Determination of Ascorbic acid Dopamine and Uric Acid Based on Gold Nanoparticles Graphene oxide Poly 2 6 Pyridinedicarboxylic Acid Modified Electrode**
AYDOĞDU TIĞ G., GÜNENDİ G., PEKYARDIMCI Ş.
3rd International Congress on Biosensors, 5 - 07 October 2016
- XII. **Acetylcholinesterase Choline Oxidase Biosensor Based on Multi Walled Carbon Nanotubes Iron Oxide Nanoparticles Chitosan Nanocomposite**
AYDOĞDU TIĞ G., BOLAT E. Ö., PEKYARDIMCI Ş.
28. Ulusal Kimya Kongresi, Mersin, Turkey, 15 - 21 August 2016
- XIII. **An electrochemical DNA biosensor for nitrofurantion determination based on poly 2 6 pyridinedicarboxylic acid coated glassy carbon electrode**
AYDOĞDU TIĞ G., PEKYARDIMCI Ş.
BIOSENSORS 2016, 25 - 27 May 2016
- XIV. **Development of electrochemical biosensors based on aptamer for pesticide detection**
AYDOĞDU TIĞ G., KOÇER M. B., BOLAT E. Ö., PEKYARDIMCI Ş.
BIOSENSORS 2016, 25 - 27 May 2016
- XV. **Hesperidin dsDNA interaction based on electrochemically reduced graphene oxide and poly 2 6 pyridine dicarboxylic acid modified glassy carbon electrode**
AYDOĞDU G., BOLAT E. Ö., KOÇER M. B., PEKYARDIMCI Ş.
7th Black Sea Basin Conference on Analytical Chemistry (7th BBCAC), 10 - 15 September 2015
- XVI. **DNA functionalized electrochemical biosensor based on poly pyridine dicarboxylic acid coated glassy carbon electrode for the study of anticancer drug gemcitabine**
AYDOĞDU G., PEKYARDIMCI Ş.
6th International Conference and Exhibition on Analytical Bioanalytical Techniques, 1 - 03 September 2015, vol.6
- XVII. **Poly 3 amino 1 2 4 triazole 5 thiol modified glassy carbon electrodes for DNA and DNA antibacterial agent interaction**
AYDOĞDU G., GÜNENDİ G., PEKYARDIMCI Ş., ERTAN BOLELLİ T., YALÇIN İ.
11th International Symposium on Pharmaceutical Sciences (ISOPS-11), Ankara, Turkey, 9 - 12 June 2015, pp.78-79
- XVIII. **DNA technology for small molecules sensing a new approach for pesticide detection**
RAPINI R., AYDOĞDU G., MARRAZZA G.
XXV Congresso Nazionale della Societa Chimica Italiana, 7 - 12 September 2014
- XIX. **A novel DNA aptamer based array for pesticide detection**
RAPINI R., AYDOĞDU G., MARRAZZA G.
Functional DNA Nanotechnology, 19 - 20 June 2014
- XX. **A novel electrochemical DNA biosensor based on poly 5 amino 2 mercapto 1 3 4 thiadiazole for assaying of antibacterial drug nitrofurantoin**
AYDOĞDU G., GÜNENDİ G., KOYUNCU ZEYBEK D., ZEYBEK B., PEKYARDIMCI Ş.
Biosensors 2014, 27 - 30 May 2014
- XXI. **Electrocatalytic oxidation of NADH based on NiO nanoparticles modified carbon paste electrode**
AYDOĞDU G., KOYUNCU ZEYBEK D., ZEYBEK B., PEKYARDIMCI Ş.
8th International Conference on Instrumental Methods of Analysis Modern Trends and Applications, 15 - 19 September 2013
- XXII. **Amperometric Cholesterol Biosensor Based on Tin Oxide Nanoparticles Modified Carbon Paste Electrode**
AYDOĞDU G., KOYUNCU ZEYBEK D., PEKYARDIMCI Ş., KILIÇ E.
BIOMED 2011, 17th International Biomedical Science Technology Symposium, 23 - 25 November 2011

- XXIII. **A new carbon paste electrode based on SnO₂ nanoparticles for cholesterol determination**
AYDOĞDU G., KOYUNCU ZEYBEK D., KILIÇ E., PEKYARDIMCI Ş.
9th International Electrochemistry Meeting in Turkey, 25 - 29 September 2011
- XXIV. **A practical glucose biosensor based on NiO nanoparticles modified carbon paste electrode**
CEREN E., KOYUNCU ZEYBEK D., AYDOĞDU G., ZEYBEK B., PEKYARDIMCI Ş., KILIÇ E.
8th International Conference on Instrumental Methods of Analysis Modern Trends and Applications, 15 - 19 September 2013
- XXV. **Amperometric Glucose Biosensor Based on Carbon Paste Electrode Modified Zinc Oxide Nanoparticles and Various Mediators**
AYDOĞDU G., KOYUNCU ZEYBEK D., PEKYARDIMCI Ş., KILIÇ E.
EUROanalysis 16 (Challenges in Modern Analytical Chemistry) this European Conference on Analytical Chemistry, 11 - 15 September 2011
- XXVI. **Glukoz Tayini için ZnO Nanopartikül Modifiye Amperometrik Karbon Pasta Elektrot Geliştirilmesi**
AYDOĞDU G., PEKYARDIMCI Ş.
25. Ulusal Kimya Kongresi, Turkey, 27 June - 02 July 2011

Supported Projects

- Aydoğdu Tığ G., Evran S., Ercan H., Çıtak Kurt A. N., Ardıçlı D., TUBITAK Project, Duchenne Musküler Distrofinin Non-İnvaziv Tanısı İçin On-Chip Ultramikro Aptamer-Biyoarayüz Geliştirilmesi ve Test Edilmesi, 2023 - 2026
- Aydoğdu Tığ G., USLU B., Project Supported by Higher Education Institutions, Gıda Alerjen Proteinlerinin Hassas ve Seçici Tayinine Yönelik Aptamer-MIP Temelli Elektrokimyasal Biyosensörlerin Hazırlanması ve Uygulamaları, 2022 - 2025
- Aydoğdu Tığ G., TUBITAK Project, Nörodejenaratif Hastalıkların Erken Teşhisi İçin Potansiyel Bir Biyobelirteç Olan Kinünerik Asitin Belirlenmesine Yönelik MIP Temelli Sensör Hazırlanması, 2023 - 2024
- Aydoğdu Tığ G., TUBITAK Project, APTAMER TABANLI ELEKTROKİMYASAL SENSÖR PLATFORMUNUN TASARLANMASI VE GIDA GÜVENLİĞİ İÇİN AFLATOKSİN B1 ANALİZ SENSÖRÜNÜN GELİŞTİRİLMESİ, 2021 - 2022
- Aydoğdu Tığ G., Project Supported by Higher Education Institutions, Dopamin ve Serotonin Nörotransmitterlerinin Tayini İçin Grafen Kuantum Nokta Temelli Sensörler Hazırlanması, 2020 - 2022
- AYDOĞDU TIĞ G., Project Supported by Higher Education Institutions, Çeşitli Nanomateryel Modifiye Elektrotların Hazırlanması ve Askorbik asit Dopamin ve Ürik Asitin Eş zamanlı Tayini, 2016 - 2017
- AYDOĞDU TIĞ G., TUBITAK Project, Pestisit Tayini İçin Aptamer Temelli Elektrokimyasal Biyosensörlerin Hazırlanması, 2015 - 2016
- AYDOĞDU TIĞ G., Project Supported by Higher Education Institutions, Asetilkolin Tayini için Nanomateryel Temelli Elektrokimyasal Biyosensörlerin Geliştirilmesi, 2014 - 2016
- AYDOĞDU TIĞ G., Project Supported by Higher Education Institutions, İletken Polimer ve Nanoparçacık Modifiye Elektrotların Hazırlanması ve dsDNA İlaç Etkileşiminin Elektrokimyasal Yöntemlerle İncelenmesi, 2014 - 2016
- AYDOĞDU TIĞ G., Project Supported by Higher Education Institutions, DNA ilaç etkileşimlerine dayanan elektrokimyasal DNA biyosensörlerinin geliştirilmesi, 2012 - 2014

Scientific Refereeing

- TUBITAK Project, 3501 - National Young Researcher Career Development Program, Ankara University, Turkey, July 2023
- TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Ankara University, Turkey, June 2023
- RSC ADVANCES, SCI Journal, October 2022
- IEEE SENSORS JOURNAL, SCI Journal, September 2022
- JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, SCI Journal, July 2022
- JOURNAL OF APPLIED ELECTROCHEMISTRY, SCI Journal, July 2022
- JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, SCI Journal, July 2022

ANALYTICA CHIMICA ACTA, SCI Journal, June 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Ankara University, Turkey, June 2022

JOURNAL OF APPLIED ELECTROCHEMISTRY, SCI Journal, May 2022

TALANTA, SCI Journal, April 2022

JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, SCI Journal, April 2022

JOURNAL OF APPLIED ELECTROCHEMISTRY, SCI Journal, April 2022

MICROCHEMICAL JOURNAL, SCI Journal, March 2022

JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, SCI Journal, January 2022

JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, SCI Journal, January 2022

JOURNAL OF APPLIED ELECTROCHEMISTRY, SCI Journal, January 2022

JOURNAL OF APPLIED ELECTROCHEMISTRY, SCI Journal, January 2022

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