

Asst. Prof. SANIYE ÖZCAN

Personal Information

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International Researcher IDs

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Education Information

Postgraduate, Izmir Institute Of Technology, Mühendislik Ve Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli) (İngilizce), Turkey 2009 - Continues

Doctorate, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Analitik Kimya (Dr), Turkey 2014 - 2019

Postgraduate, Karamanoglu Mehmetbey University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 2012 - 2014

Undergraduate, Balıkesir University, Necatibey Eğitim Fakültesi, Ortaöğretim Fen Ve Matematik Alanlar Eğitimi Bölümü, Turkey 2003 - 2008

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Çeşitli sıvı kromatografisi yöntemleri ile ivakaftorun tayini ve bozunma ürünlerinin karakterizasyonu, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Analitik Kimya (Dr), 2019

Postgraduate, Sodyum sülbaktamın karbon pasta elektrot (CPE) yüzeyinde elektrokimyasal karakterizasyonu ve diferansiyel puls voltametri (DPV) ile bakır (II) iyonu tayininde kullanılabilirliğinin araştırılması, Karamanoglu Mehmetbey University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2014

Research Areas

Basic Pharmaceutics Sciences, Pharmacology and Therapeutics

Academic Titles / Tasks

Research Assistant, Anadolu University, ECZACILIK FAKÜLTESİ, TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ, 2014 - Continues

Research Assistant, Karamanoglu Mehmetbey University, Kamil Özdağ Fen Fakültesi, Kimya Bölümü, 2011 - 2014

Courses

Mezuniyet Projesi I (ECZ875), Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020
Enstrümental Analiz (KİM269-4), Undergraduate, 2022 - 2023
Analitik Kimya Uygulamaları A (KİM269-2), Undergraduate, 2022 - 2023, 2020 - 2021
Kanıt Dayalı Eczacılık ve Araştırma I (ECZ251), Undergraduate, 2022 - 2023, 2020 - 2021
Mezuniyet Projesi II (ECZ876), Undergraduate, 2022 - 2023, 2020 - 2021
Biyoelementlerin Analizleri (ECZ858), Undergraduate, 2022 - 2023
Analitik Kimya Uygulamaları B (KİM269-2), Undergraduate, 2022 - 2023
Besin Güvenliği ve Analizi (ECZ231), Undergraduate, 2022 - 2023
Deney ve Kalibrasyon Laboratuvarlarında Kalite ve Akreditasyon (ECZ897), Undergraduate, 2022 - 2023
Analitik Kimya Uygulamaları A (KİM132-2), Undergraduate, 2021 - 2022
Analitik Kimya Uygulamaları B (KİM132-2), Undergraduate, 2021 - 2022
ECZ876-Mezuniyet Projesi II, Undergraduate, 2020 - 2021, 2019 - 2020
SAG403U - SAĞLIK HİZMETLERİNDE ARAŞTIRMA VE DEĞERLENDİRME, Undergraduate, 2019 - 2020
SAK301U - TIBBİ CİHAZ VE MALZEMELER, Undergraduate, 2019 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A Different Perspective on the Characterization of a New Degradation Product of Flibanserine With HPLC-DAD-ESI-IT-TOF-MSn and Its Pharmaceutical Formulation Analysis With Inter-Laboratory Comparison**
Geven A., ÖZCAN S., LEVENT S., CAN N. Ö.
JOURNAL OF AOAC INTERNATIONAL, no.5, pp.1145-1153, 2023 (SCI-Expanded)
- II. **Liquid chromatographic determination of lumacaftor in the presence of ivacaftor and identification of five novel degradation products using high-performance liquid chromatography ion trap time-of-flight mass spectrometry**
ÖZCAN S., Uzunoglu U. E., LEVENT S., CAN N. Ö.
JOURNAL OF SEPARATION SCIENCE, vol.46, no.17, 2023 (SCI-Expanded)
- III. **Determination of ivacaftor by liquid chromatography techniques in pharmaceutical formulation with interlaboratory comparison and characterization of five novel degradation products by high-performance liquid chromatography ion trap time-of-flight mass spectrometry**
ÖZCAN S., CAN N. Ö.
JOURNAL OF SEPARATION SCIENCE, vol.46, no.14, 2023 (SCI-Expanded)
- IV. **Study of electrochemical behavior of escitalopram oxalate using hanging mercury drop electrode and its determination in human urine and pharmaceuticals**
Badulla W. F., ÖZCAN S., ATKOŞAR Z., ARLI G.
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.18, no.4, pp.739-750, 2021 (SCI-Expanded)
- V. **Aspects of Matrix Effects in Applications of Liquid Chromatography-Mass Spectrometry to Catecholamine Analysis-A Review**
ÖZCAN S., LEVENT S., CAN N. Ö.
CURRENT ANALYTICAL CHEMISTRY, vol.17, no.9, pp.1305-1321, 2021 (SCI-Expanded)
- VI. **A Novel and Sensitive LC-MS/MS Method for the Quantitation of Ceftiofur in Pharmaceutical Preparations and Milk Samples**
LEVENT S., ÖZCAN S., Geven A., CAN N. Ö.
COMBINATORIAL CHEMISTRY & HIGH THROUGHPUT SCREENING, vol.24, no.3, pp.386-399, 2021 (SCI-Expanded)
- VII. **Challenges, Progress and Promises of Impurities Annotation for LCMS-IT-TOF**
ÖZCAN S., LEVENT S., CAN N. Ö.
CURRENT PHARMACEUTICAL ANALYSIS, vol.17, no.3, pp.437-449, 2021 (SCI-Expanded)
- VIII. **A Novel HPLC Method for Simultaneous Determination of Methyl, Ethyl, n-propyl, Isopropyl, n-butyl, Isobutyl and Benzyl Paraben in Pharmaceuticals and Cosmetics**
ÖZCAN S., LEVENT S., CAN N. Ö., Kozanli M.

COMBINATORIAL CHEMISTRY & HIGH THROUGHPUT SCREENING, vol.24, no.3, pp.352-365, 2021 (SCI-Expanded)

- IX. **Stability-indicating LC-MS/MS and LC-DAD methods for robust determination of tasimelteon and high resolution mass spectrometric identification of a novel degradation product**
ÖZCAN S., LEVENT S., Geven A., ÖZKAY Y., CAN N. Ö.
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.191, 2020 (SCI-Expanded)
- X. **The synthesis of a novel DDPHC diazonium salt: Investigation of its usability in the determination of phenol and chlorophenols using CV, SWV and DPV techniques**
Celik H. H., ÖZCAN S., MÜLAZIMOĞLU A. D., YILMAZ E., Mercimek B., ÇUKUROVALI A., YILMAZ İ., Solak A. O., MÜLAZIMOĞLU İ. E.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.116, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **Quality by design approach with design of experiment for sample preparation techniques**
ÖZCAN S., LEVENT S., CAN N. Ö.
Advances in Sample Preparation, vol.7, 2023 (Scopus)
- II. **Determination of quality of tablets containing irbesartan and hydrochlorothiazide via newly developed and validated simultaneous HPLC method**
KAVAL B., ÖZCAN S., KAYNAK M. S., ÇELEBİER M.
ACTA PHARMACEUTICA SCIENCIA, 2023 (Scopus)
- III. **A Newly Developed and Fully Validated HPLC Method for Simultaneous Determination of in-situ Single Pass Intestinal Permeability of Domperidone, Metoprolol Tartarate and Phenol Red**
ÖZCAN S., Caglar E. S., KAYNAK M. S., Ustundag Okur N.
JOURNAL OF RESEARCH IN PHARMACY, vol.27, no.3, pp.967-979, 2023 (ESCI)
- IV. **A review on collagen as a food supplement**
Musayeva F., Özcan S., Kaynak M. S.
Journal of Pharmaceutical Technology, vol.3, no.1, pp.7-29, 2022 (Peer-Reviewed Journal)
- V. **TS EN ISO/IEC 17025 DENEY ve KALİBRASYON LABORATUVARLARININ YETERLİLİĞİ İÇİN GENEL ŞARTLARIN İNCELENMESİ**
Geven A., ÖZCAN S., CAN N. Ö.
Türk Farmakope Dergisi, vol.4, no.2, pp.64-82, 2019 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Kadınların cinsel isteğini artırmaya yönelik Türkiye piyasasında bulunan takviyelerde LC-MS/MS ile flibanserin tayini**
ÖZCAN S., ALTUN M. A., CAN N. Ö.
10. Ulusal Analitik Kimya Kongresi, Muğla, Turkey, 07 September 2022
- II. **A novel RP-HPLC method to determine irbesartan and hydrochlorothiazide in fixed dose combinations: method development and validation**
KAVAL B., ÖZCAN S., KAYNAK M. S.
13th International Symposium on Pharmaceutical Science, Ankara, Turkey, 21 June 2021
- III. **LC-MS/MS and LC-DAD Methods for robust determination of glycerol phenylbutyrate in biological fluids and high-resolution mass spectrometric identification of forced degradation product**
ÖZCAN S., CAN N. Ö.
13th International Symposium on Pharmaceutical Science, Ankara, Turkey, 21 June 2021, pp.157-159
- IV. **Determination and possible mechanisms of formation lumacaftor degradation products with using LCMS-IT-TOF**
ÖZCAN S., ERDOĞAN Ü., LEVENT S., CAN N. Ö.

13th International Symposium on Pharmaceutical Science, Ankara, Turkey, 21 June 2021, pp.227

- V. **Stability-indicating RP-HPLC method for robust determination of lumacaftor in the presence of ivacaftor and analysis of its pharmaceutical formulation**
ÖZCAN S., ERDOĞAN Ü., LEVENT S., CAN N. Ö.
13th International Symposium on Pharmaceutical Science, Ankara, Turkey, 21 June 2021, pp.233
- VI. **İvakaftorun Miktar Tayini için Yeni Bir LC-PDA-MS/MS Yönteminin Geliştirilmesi ve Bozunma Ürünlerinin LCMS-IT-TOF ile Karakterizasyonu**
ÖZCAN S., CAN N. Ö.
XVI. Ulusal Spektroskopi Kongresi (USK 2019), Turkey, 7 - 08 November 2019
- VII. **Flibanserinin Farmasötik Preparatlarda Tayini İçin HPLC Yönteminin Geliştirilmesi ve Bozunma Ürünlerinin LCMS-IT-TOF ile Karakterizasyonu**
GEVEN A., LEVENT S., ÖZCAN S., CAN N. Ö.
XVI. Ulusal Spektroskopi Kongresi (USK 2019), Turkey, 7 - 08 November 2019
- VIII. **Development of a new method for quantitative determination of lesinurad with hplc in the presence of its degradation products**
GEVEN A., LEVENT S., ÖZCAN S., CAN N. Ö.
Euroanalysis XX (EUROXX), 1 - 05 September 2019
- IX. **Effects of reboxetine on alterations of brain monoamine levels in diabetic rat**
ÖZCAN S., TURAN N., KOZANLI M., GEVEN A.
Klinik Psikofarmakoloji Bülteni, 18 - 21 April 2019
- X. **A NOVEL LC-MS/MS METHOD FOR DETERMINATION OF TASIMELTEON**
CAN N. Ö., ÖZCAN S., LEVENT S., KOZANLI M., ÖZKAY Y., KAPLANCIKLİ Z. A.
12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018, pp.259
- XI. **A NEW LC METHOD FOR QUANTITATIVE ESTIMATION OF AVANAFIL IN COMBINATION TABLETS**
LEVENT S., ÖZCAN S., CAN N. Ö.
ISOPS- 12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018
- XII. **Seftiofurun LC-MS/MS ile Matris Ortamında Çeşitli Farmasötik Preparatlar ve Süt Ürünlerinde Analizi**
ÖZCAN S., LEVENT S., GEVEN A., CAN N. Ö.
9. ULUSAL ANALİTİK KİMYA KONGRESİ, Konya, Turkey, 19 - 23 September 2018, pp.39
- XIII. **A Novel GC-MS Method for Simultaneous Determination of Seven Paraben Derivatives in Pharmaceutical and Cosmetic Products Consumed in Turkey**
ÖZCAN S., LEVENT S., GEVEN A., CAN N. Ö.
XXII. International Mass Spectrometry Conference, FLORANSA, Italy, 26 - 31 August 2018
- XIV. **A COMPARATIVE STUDY ON THE LIQUID CHROMATOGRAPHIC RETENTION SEPARATION CHARACTERISTICS OF SEVEN PARABEN DERIVATIVES IN DIFFERENT COLUMNS**
ÖZCAN S., KOZANLI M., CAN N. Ö.
12 International Symposium on Pharmaceutical Science, Ankara, Turkey, 26 - 29 June 2018
- XV. **DEVELOPMENT AND VALIDATION OF A NEW HPLC METHOD FOR QUANTITATIVE ESTIMATION OF CEFTIOFUR IN VETERINARY SUSPENSIONS**
GEVEN A., ÖZCAN S., LEVENT S., CAN N. Ö.
12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018
- XVI. **Simultaneous determination of seven paraben derivatives in pharmaceuticals and cosmetics by high-performance liquid chromatography**
ÖZCAN S., LEVENT S., CAN N. Ö.
2nd International Gazi Pharma Symposium Series (GPSS 2017), 11 - 13 October 2017
- XVII. **A Novel HNPC modified Carbon Based Electrode: Preparation, Characterization and Detection of Stability in Different Media**
Sağır S., MÜLAZIMOĞLU İ. E., YILMAZ E., ÖZCAN S., CAN N. Ö., ÖZKAY Y., MERCİMEK B., DEMİR MÜLAZIMOĞLU A.
ASTECH2017, 17 - 20 April 2017
- XVIII. **Carbon Based NBIP modified electrodes: Preparation, Characterization and Detection of Stability**

Özsümen A., DEMİR MÜLAZIMOĞLU A., MERCİMEK B., YILMAZ E., ÖZCAN S., CAN N. Ö., ÖZKAY Y., MÜLAZIMOĞLU İ. E.

ASTECH 2017-International Congress on Applied Science and Technology, 17 - 20 April 2017

- XIX. **A Novel HNPC modified Carbon Based Electrode: Preparation, Characterization and Detection stability in Different Media**
Sağır S., MÜLAZIMOĞLU İ. E., YILMAZ E., ÖZCAN S., CAN N. Ö., MERCİMEK B., ÖZKAY Y., DEMİR MÜLAZIMOĞLU A.
ASTECH 2017 International Congress on Applied Science and Technology, 17 - 20 April 2017
- XX. **Carbon Based NOTEP modified electrodes: Preparation, Characterization and Detection of Stability**
Çetin B., MÜLAZIMOĞLU İ. E., YILMAZ E., ÖZCAN S., CAN N. Ö., ÖZKAY Y., MERCİMEK B., DEMİR MÜLAZIMOĞLU A.
ASTECH 2017-International Congress on Applied Science and Technology, 17 - 20 April 2017
- XXI. **Agomelatine-induced changes in monoamine levels of the diabetic brain: treatment of diabetesinduced depressive behavior**
CAN N. Ö., ÖZCAN S., KOZANLI M., AYDIN T. H.
Klinik Psikofarmakoloji Bulteni, 13 - 15 May 2015
- XXII. **SODYUM SÜLBAKTAMIN KARBON PASTA ELEKTROT (CPE) YÜZEYİNDEELEKTROKİMYASAL KARAKTERİZASYONU VE DİFERANSİYELPULS VOLTAMETRİSİ (DPV) İLE BAKIR (II) İYONU TAYİNİNDEKULLANILABİLİRLİĞİNİN ARAŞTIRILMASI**
KILIÇEL F., ÖZCAN S., MÜLAZIMOĞLU İ. E.
27. Ulusal Kimya Kongresi, Turkey, 23 - 28 August 2015
- XXIII. **Determination of Mianserin in Tablets Using Ultra High Performance Liquid Chromatography**
ÖZCAN S., KOZANLI M., CAN N. Ö.
26th International Symposium on Pharmaceutical and Biomedical Analysis (PBA-26), Tiflis, Georgia, 5 - 08 July 2015
- XXIV. **Liquid Chromatographic Determination of Tofisopam in Tablets Using Different Types of Stationary Phases**
CAN N. Ö., ÖZCAN S.
11th International Symposium on Pharmaceutical Science (ISOPS-11), 9 - 12 June 2015
- XXV. **Ultra High Performance Liquid Chromatographic Determination of Ceftiofur in Veterinary Preparations**
ÖZCAN S., CAN N. Ö.
11th International Symposium on Pharmaceutical Science (ISOPS-11, 9 - 12 June 2015
- XXVI. **MTIMN Tiyazol Türevinin Elektrokimyasal Modifikasyonu ve Karakterizasyonu: MTIMN/GC Elektrot'un Cd (II) İyonlarının Kantitatif Tayininde Kullanılabilirliğinin İncelenmesi**
ÖZCAN S., YILMAZ İ., MÜLAZIMOĞLU İ. E.
VII. Ulusal Analitik Kimya Kongresi (7. UAKK), Turkey, 1 - 05 September 2014
- XXVII. **A Novel Synthesized Ligand for Electrochemical Quantitative Determination of Cu (II) Ions and its DPV Applications**
ÇELİK H. H., ÖZCAN S., YILMAZ E., DEMİR MÜLAZIMOĞLU A., YILMAZ İ., MÜLAZIMOĞLU İ. E.
Matrafured 2014 International Conference on Electrochemical Sensors, 15 - 20 June 2014
- XXVIII. **Electrochemical and Spectroelectrochemical Behaviors of Cresol Derivatives on DDPHC-DAS Modified GC Sensor Electrode Surface and their Quantitative Application**
ÖZCAN S., ÇELİK H. H., YILMAZ E., DEMİR MÜLAZIMOĞLU A., YILMAZ İ., MÜLAZIMOĞLU İ. E.
Matrafured 2014 International Conference on Electrochemical Sensors, 15 - 20 June 2014
- XXIX. **DDPHC/GC Sensor Electrode used with SWV Technique for Determination of Apigenin**
ÇELİK H. H., ÖZCAN S., YILMAZ E., DEMİR MÜLAZIMOĞLU A., YILMAZ İ., MÜLAZIMOĞLU İ. E.
Matrafured 2014 International Conference on Electrochemical Sensors, 15 - 20 June 2014
- XXX. **Investigation of Electrochemical and Spectroelectrochemical Behaviors of MPTHP on Glassy Carbon Electrode Surface: Application of Modified Electrode for Determination Cu (II) Ions**
ÖZCAN S., ÇELİK H. H., YILMAZ E., DEMİR MÜLAZIMOĞLU A., YILMAZ İ., MÜLAZIMOĞLU İ. E.
Matrafured 2014 International Conference on Electrochemical Sensors, 15 - 20 June 2014
- XXXI. **A Novel Chemical Sensor Electrode for Phenol and Chlorophenol Derivatives Determination and**

their CV, SWV and DPV Applications

ÇELİK H. H., ÖZCAN S., YILMAZ E., DEMİR MÜLAZIMOĞLU A., YILMAZ İ., MÜLAZIMOĞLU İ. E.
Matrafured 2014 International Conference on Electrochemical Sensors, 15 - 20 June 2014

Supported Projects

- ÖZCAN S., Project Supported by Higher Education Institutions, Katekolaminlerin İyonlaşma Etkinliklerinin Karmaşık Biyolojik Matrislerde İncelenmesi Üzerine Deneysel Çalışmalar, 2020 - Continues
- ÖZCAN S., Project Supported by Higher Education Institutions, Piyasaya Yeni Sürülmüş İlaç Etken Maddelerinin Bozunma Ürünleri Varlığında Kantitatif Tayini ve Farmasötik Preparatlarının Analizi, 2020 - 2022
- ÖZCAN S., KAPLANCIKLI Z. A., Project Supported by Higher Education Institutions, Gliserol fenil bütiratın sıvı kromatografisindeki ayırımına etki eden parametrelerinin incelenmesi, 2020 - 2021
- ÖZCAN S., Project Supported by Higher Education Institutions, Eskişehir'de Tarımsal Amaçlı Kullanılan Farklı Su Kaynaklarının Paraziter Kontaminasyon ve Ağır Metal Yönünden İncelenmesi, 2019 - 2021
- TURAN YÜCEL N., ÖZCAN S., KAPLANCIKLI Z. A., Project Supported by Higher Education Institutions, Seftiofurun Süt Ürünlerinde Tayininde Matris Etkisinin İncelenmesi, 2019 - 2020
- ÖZCAN S., TURAN YÜCEL N., KAPLANCIKLI Z. A., Project Supported by Higher Education Institutions, Bazı Biyojenik Aminlerin ve Metabolitlerinin Yeni Nesil Kolon Tipleri Kullanılarak UPLC-ECD ile Analizi Üzerine Çalışmalar, 2018 - 2019
- ÖZCAN S., Project Supported by Higher Education Institutions, Çeşitli Sıvı Kromatografisi Yöntemleri ile İvakaftorun Tayini ve Bozunma Ürünlerinin Karakterizasyonu, 2016 - 2019
- ACAR ÇEVİK U., TURAN YÜCEL N., ÖZCAN S., KAPLANCIKLI Z. A., Project Supported by Higher Education Institutions, Yeni Piyasaya Sürülmüş Bazı Aktif Farmasötik Bileşenlerin, Metabolitlerinin ve Bozunma Ürünlerinin Karakterizasyonu Üzerine Çalışmalar, 2016 - 2019
- ÖZCAN S., TURAN YÜCEL N., ACAR ÇEVİK U., ALYU ALTINOK F., Project Supported by Higher Education Institutions, Yeni Tiyazol Türevlerinin Sentezleri ve Monoamin oksidaz Enzimi İnhibitör Etkinliklerinin Araştırılması, 2015 - 2019
- ÖZCAN S., ACAR ÇEVİK U., KAYA ÇAVUŞOĞLU B., KAPLANCIKLI Z. A., Project Supported by Higher Education Institutions, Yeni benzo[tiyazol] türevlerinin sentezi ve antikanser aktivitelerinin araştırılması, 2015 - 2018
- ÖZCAN S., Project Supported by Higher Education Institutions, Bazı PDE5 inhibitörü ilaçların UPLC ile eşzamanlı analizine yönelik yöntem geliştirme çalışmaları, 2016 - 2017
- CAN Ö. D., CAN N. Ö., ÖZCAN S., LEVENT S., TURAN YÜCEL N., ÖZKAY Y., ÖZTÜRK Y., ACAR ÇEVİK U., DEMİR ÖZKAY Ü., ALYU ALTINOK F., Project Supported by Higher Education Institutions, Narkotik Etkili AM 630, CP 47 497 ve JWH 015 Maddelerinin Çeşitli Farmakolojik Etkilerinin Araştırılması, 2015 - 2017
- ÖZCAN S., CANTÜRK Z., ACAR ÇEVİK U., DEMİR ÖZKAY Ü., DİKMEN M., ILGIN S., ATLI EKLİOĞLU Ö., Project Supported by Higher Education Institutions, Bazı Yeni 2-[4-(Süstitüemetil)fenil]propiyonik Asit Türevlerinin Sentezlenmesi ve Biyolojik Etkilerinin Araştırılması, 2014 - 2017
- ÖZCAN S., Project Supported by Higher Education Institutions, Karbon ve Metal Esaslı Elektrot Yüzeylerine Polifenolik Moleküller ve Türevlerinin Elektrokimyasal Modifikasyonu ile Kimyasal Sensör Elektrotlar Geliştirilmesi, 2013 - 2017
- ÖZCAN S., Project Supported by Higher Education Institutions, Antibiyotik Sulbaktamın Tayini İçin Voltametik Metot Geliştirilmesi, 2012 - 2014