

## Assoc. Prof. EBRU KUYUMCU SAVAN

### Personal Information

**Office Phone:** [+90 422 341 1216](tel:+904223411216) Extension: 3880

**Email:** [ebru.savan@inonu.edu.tr](mailto:ebru.savan@inonu.edu.tr)

**Other Email:** [kuyumcu.ebru@gmail.com](mailto:kuyumcu.ebru@gmail.com)

**Web:** <https://avesis.inonu.edu.tr/ebru.savan>

### International Researcher IDs

ScholarID: Ebru

ORCID: 0000-0002-8851-0907

Publons / Web Of Science ResearcherID: E-3430-2019

ScopusID: 36343716300

Yoksis Researcher ID: 122974

### Education Information

Doctorate, Inonu University, Fen Bilimleri Enstitüsü, Analitik Kimya, Turkey 2010 - 2016

Postgraduate, Inonu University, Sağlık Bilimleri Enstitüsü, Analitik Kimya, Turkey 2006 - 2009

Undergraduate, Inonu University, Eğitim Fakültesi, Kimya Öğretmenliği, Turkey 2000 - 2005

### Certificates, Courses and Trainings

Education Management and Planning, 'Afinite Temelli Sensörler' yaz okulu, Hacettepe Üniversitesi, 2017

Education Management and Planning, Thermo Scientific Marka Çok Boyutlu HPLC Sistemi Eğitimi, REDOKS LAB, 2016

Education Management and Planning, HPLC Analiz Yöntemleri ve Uygulamaları Eğitimi, SEM, 2016

Education Management and Planning, HPLC Tekniği ve Uygulamaları Kursu, İnönü Üniversitesi Eczacılık Fakültesi, 2013

Education Management and Planning, Türkiyede Bitkisel Ürünlerin Kullanımı, İnönü Üniversitesi Eczacılık Fakültesi ve Malatya Eczacı Odası, 2011

Education Management and Planning, II. Kemometri Yaz Okulu, İzmir İleri teknoloji Enstitüsü Fen Fakültesi- Kimya Bölümü, 2009

Education Management and Planning, Uygulamalı Kemometri Yaz Okulu, Atatürk Üniversitesi Eczacılık Fakültesi Analitik Kimya Anabilim Dalı, 2009

Education Management and Planning, Elektrokimyasal DNA Biyosensörleri' Çalıstayı, İnönü Üniversitesi, 2007

Education Management and Planning, Membran Filtrasyon Tekniği ile Su Mikrobiyolojisi Analiz Metotları Eğitimi, HACH LANGE, 2007

Education Management and Planning, Milestone START D Microwave Digestion System, Mikrodalga Çözünürleştirme Sistemi Kullanımı, Anamed Analitik & Medikal Sistemler, 2006

Education Management and Planning, HACH LANGE DR2800 Spektrometre, Su analizlerine yönelik Spektrometre Kullanımı, HACH LANGE, 2006

Education Management and Planning, Lambda 35 UV-VIS Spektrometre, Spektrometre Kullanımı, PerkinElmer, 2006

### Dissertations

Doctorate, Bazı İletken Polimer Elektrolar ile Yeni Elektrokimyasal Sensörlerin Hazırlanması ve İlaç Etken Maddelerine

Uygulanması, Inonu University, Fen Bilimleri Enstitüsü, Analitik Kimya, 2016

Postgraduate, Soğuk algınlığında kullanılan halk ilaçlarında uçucu yağ, mineral ve eser elementlerin tayini, Inonu University, Sağlık Bilimleri Enstitüsü, Analitik Kimya, 2009

## Research Areas

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

## Academic Titles / Tasks

Associate Professor, Inonu University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2020 - Continues

Assistant Professor, Inonu University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2018 - 2020

Assistant Professor, Inonu University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2018 - 2018

Research Assistant, Inonu University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2007 - 2016

Research Assistant, University of Oulu, Department Of Chemistry, Structure Elucidation Chemistry, 2010 - 2010

## Academic and Administrative Experience

Inonu University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2018 - 2020

Inonu University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2018 - 2018

## Courses

Farmasötik ve Biyofarmasötik Analizlerde Kullanılan Yöntemler II: Titrimetrik ve Spektroskopik Yöntemler, Undergraduate Double Major, 2018-2019

Analitik Kimya II (Lab) (B), Undergraduate, 2018-2019

Tez Çalışması (P), Undergraduate Double Major, 2018-2019

(S)Sporda Doping ve Doping Maddelerinin Analizi, Undergraduate, 2018-2019

İlaç Analizleri, Undergraduate, 2018-2019

Genel Kimya I, Undergraduate, 2018-2019

Analitik Kimya I (Lab) B şubesi, Undergraduate, 2018-2019

Eczacılıkta Hesaplamalar, Undergraduate, 2018-2019

İlaç Analizlerinde Kalite Kontrol (T), Undergraduate Double Major, 2018-2019

Elektroanalitik Kimya I (Teorik), Undergraduate Double Major, 2018-2019

Eczacılıkta Bilimsel Çalışma İlkeleri I, Undergraduate, 2018-2019

Eczacılıkta Bilimsel Çalışma İlkeleri II, Undergraduate, 2018-2019

Örnek Hazırlama Teknikleri, Undergraduate Minor, 2018-2019

Uzmanlık Alanı (T), Undergraduate Double Major, 2018-2019

Eczacılıkta Bilimsel Çalışma İlkeleri II, Undergraduate, 2017-2018

Sporda Doping ve Doping Maddelerinin Analizi, Undergraduate, 2017-2018

Sosyal Sorumluluk Projesi, Undergraduate, 2017-2018

Bilgisayar, Undergraduate, 2017-2018

Satj V, Undergraduate, 2017-2018

Mesleki Yabancı Dil I, Undergraduate, 2017-2018

ANALİTİK KİMYA LABORATUVARI I, Undergraduate, 2016-2017

ANALİTİK KİMYA LABORATUVARI II, Undergraduate, 2015-2016

ANALİTİK KİMYA LABORATUVARI I, Undergraduate, 2015-2016

ANALİTİK KİMYA LABORATUVARI II, Undergraduate, 2014-2015  
ANALİTİK KİMYA LABORATUVARI I, Undergraduate, 2014-2015  
Analitik Kimya Laboratuvarı I, Undergraduate, 2013-2014  
ANALİTİK KİMYA LABORATUVARI II, Undergraduate, 2013-2014  
Analitik Kimya Laboratuvarı II, Undergraduate, 2012-2013  
ANALİTİK KİMYA LABORATUVARI I, Undergraduate, 2012-2013  
Analitik Kimya Laboratuvarı II, Undergraduate, 2011-2012  
Analitik Kimya Laboratuvarı I, Undergraduate, 2011-2012  
Analitik Kimya Laboratuvarı II, Undergraduate, 2010-2011  
Analitik Kimya Laboratuvarı I, Undergraduate, 2010-2011  
Analitik Kimya Laboratuvarı II, Undergraduate, 2009-2010  
Analitik Kimya Laboratuvarı I, Undergraduate, 2009-2010  
Analitik Kimya Laboratuvarı I, Undergraduate, 2008-2009  
Analitik Kimya Laboratuvarı II, Undergraduate, 2008-2009  
Analitik Kimya Laboratuvarı I, Undergraduate, 2007-2008  
Analitik Kimya Laboratuvarı II, Undergraduate, 2007-2008  
Analitik Kimya Laboratuvarı I, Undergraduate, 2006-2007  
Analitik Kimya Laboratuvarı II, Undergraduate, 2006-2007  
Analitik Kimya Laboratuvarı I, Undergraduate, 2005-2006  
Analitik Kimya Laboratuvarı II, Undergraduate, 2005-2006

## Advising Theses

Kuyumcu Savan E., Levotiroksin tayini için moleküler baskılanmış polimer temelli elektroanalitik sensör tasarımı, Postgraduate, E.YAYAN(Student), 2024

KUYUMCU SAVAN E., Çok duvarlı karbon nanotüp ve altın nanoparçacıkları ile modifiye edilen camı karbon elektrot ile askorbik asit varlığında serotonin tayini, Postgraduate, Ö.Faruk(Student), 2018

KUYUMCU SAVAN E., 5-hidroksi indol asetik asidin poli (p-aminobenzen sülfonik asit) elektrotta ilaç dozaj formlarından miktarının belirlenmesi, Postgraduate, A.YILMAZ(Student), 2018

## Jury Memberships

Post Graduate, Yarıklı Kuvars Tüp Ve Aevli Atomik Absorpsiyon Spektrometri İle Su Örneklerinde Bazı Metallerin Tayini, İnönü Üniversitesi, June, 2018

Post Graduate, Polifenol Türevli Antioksidanlar İçin Sensör Geliştirilmesi Ve Analitik Uygulamaları, İnönü Üniversitesi, June, 2018

Post Graduate, Çay Örneklerinde Dispersif Sıvı-Sıvı Mikroekstraksiyon Yöntemi ile Bakır Tayini, Munzur Üniversitesi, April, 2018

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

- I. **Electrochemical Determination of the Antioxidant Capacity, Total Phenolics, and Ascorbic Acid in Fruit and Vegetables by Differential Pulse Voltammetry (DPV) with a p-Toluene Sulfonic Acid Modified Glassy Carbon Electrode (TSA/GCE)**  
BİLENLER T., KUYUMCU SAVAN E., KARABULUT İ.  
ANALYTICAL LETTERS, vol.56, no.6, pp.881-894, 2023 (SCI-Expanded)
- II. **Preparation of mesoporous carbon containing Polyurethane/Clay nanocomposite membrane based sensors for sensitive and selective determination of vitamin D2 in urine samples**

Kuyumcu Savan E., Ozcan I., Köytepe S.

MEASUREMENT, vol.203, 2022 (SCI-Expanded)

- III. **A(2)BO(4 +/-delta) as New Materials for Electrocatalytic Detection of Paracetamol and Diclofenac Drugs**  
Zine A., Ferkhi M., Khaled A., KUYUMCU SAVAN E.  
ELECTROCATALYSIS, vol.13, no.5, pp.524-538, 2022 (SCI-Expanded)
- IV. **Determination of Antioxidant Properties and beta-Carotene in Orange Fruits and Vegetables by an Oxidation Voltammetric Assay**  
Koc T., Kuyumcu Savan E., Karabulut İ.  
ANALYTICAL LETTERS, vol.55, no.6, pp.891-903, 2022 (SCI-Expanded)
- V. **Recent Progress and Perspectives on Polyurethane Membranes in the Development of Gas Sensors**  
AKSOY B., SEL E., KUYUMCU SAVAN E., ATEŞ B., KÖYTEPE S.  
CRITICAL REVIEWS IN ANALYTICAL CHEMISTRY, vol.51, no.7, pp.619-630, 2021 (SCI-Expanded)
- VI. **Simultaneous Electrochemical Detection of Estradiol and Testosterone Using Nickel Ferrite Oxide Doped Mesoporous Carbon Nanocomposite Modified Sensor**  
Tanrikut E., Özcan I., Sel E., Koytepe S., Savan E.  
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.167, no.8, 2020 (SCI-Expanded)
- VII. **Antidepressant effect of Gentiana olivieri Griseb. in male rats exposed to chronic mild stress**  
BERK A., YLLMAZ I., Abacioglu N., KAYMAZ M. B., KARAASLAN M. G., Savan E.  
LIBYAN JOURNAL OF MEDICINE, vol.15, no.1, 2020 (SCI-Expanded)
- VIII. **Electrochemical Determination of Norepinephrine at Poly (p-aminobenzenesulfonic Acid) Modified Sensor**  
Yagci S. Z., Savan E., ERDOĞDU G.  
CURRENT PHARMACEUTICAL ANALYSIS, vol.16, no.5, pp.591-600, 2020 (SCI-Expanded)
- IX. **Square Wave Voltammetric (SWV) Determination of Quercetin in Tea Samples at a Single-Walled Carbon Nanotube (SWCNT) Modified Glassy Carbon Electrode (GCE)**  
Savan E.  
ANALYTICAL LETTERS, vol.53, no.6, pp.858-872, 2019 (SCI-Expanded)
- X. **Electrochemical determination of N-acetyl cysteine in the presence of acetaminophen at multi-walled carbon nanotubes and nafion modified sensor**  
KUYUMCU SAVAN E.  
SENSORS AND ACTUATORS B-CHEMICAL, vol.282, pp.500-506, 2019 (SCI-Expanded)
- XI. **Determination of 3,4-dihydroxyphenylacetic acid in the presence of ascorbic acid and uric acid at poly(p-aminobenzene sulfonic acid) conducting polymer electrode**  
SAVAN E. K., ERDOĞDU G.  
POLYMER BULLETIN, vol.74, no.10, pp.4349-4360, 2017 (SCI-Expanded)
- XII. **Simultaneous determination of levodopa and benserazide using poly(3-methylthiophene) and a multi-walled carbon nanotube sensor**  
KUYUMCU SAVAN E., Erdoadu G.  
JOURNAL OF SOLID STATE ELECTROCHEMISTRY, vol.21, no.8, pp.2209-2217, 2017 (SCI-Expanded)
- XIII. **Determination of Element Concentrations in Commercial Infant Formulas Using Atomic Absorption Spectrometry**  
ÜNÜVAR S., SAVAN E. K., Karaaslan N. M.  
ATOMIC SPECTROSCOPY, vol.38, no.4, pp.106-111, 2017 (SCI-Expanded)
- XIV. **Preparation and properties of selective polyurethane films and their use for the development of biomedical dopamine sensor**  
SAVAN E. K., PASAHAN A., AKSOY B., GÜNGÖR Ö., KÖYTEPE S., SEÇKİN T.  
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, vol.65, no.8, pp.402-408, 2016 (SCI-Expanded)
- XV. **Determination of Elements by Atomic Absorption Spectrometry in Medicinal Plants Employed to Alleviate Common Cold Symptoms**

- KÜÇÜKBAY F., KUYUMCU E.  
SPECTROSCOPY AND SPECTRAL ANALYSIS, vol.34, no.9, pp.2548-2556, 2014 (SCI-Expanded)
- XVI. **Amperometric Simultaneous Measurement of Copper and Cobalt Ions with Polythiophene Incorporating Pendant Terpyridine Groups**  
SAVAN E. K., KÖYTEPE S., PASAHAN A., ERDOĞDU G., SEÇKİN T.  
POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING, vol.53, no.17, pp.1817-1824, 2014 (SCI-Expanded)
- XVII. **Chemical Composition of the Essential Oils of Three Thymus Taxa from Turkey with Antimicrobial and Antioxidant Activities**  
KÜÇÜKBAY F., KUYUMCU E., Celen S., Azaz A. D., ARABACI T.  
RECORDS OF NATURAL PRODUCTS, vol.8, no.2, pp.110-120, 2014 (SCI-Expanded)
- XVIII. **Essential Oil Composition from the Aerial Parts of Ajuga orientalis L. Growing in Turkey**  
KÜÇÜKBAY F., KUYUMCU E., Yildiz B.  
ASIAN JOURNAL OF CHEMISTRY, vol.25, no.16, pp.9126-9128, 2013 (SCI-Expanded)
- XIX. **Chemical Composition and Antimicrobial and Antioxidant Activities of three Turkish Thyme Essential Oils**  
KÜÇÜKBAY F., KUYUMCU E., CELEN S., AZAZ A. D., ARABACI T., YILDIZ B.  
JOURNAL OF ESSENTIAL OIL BEARING PLANTS, vol.16, no.5, pp.661-671, 2013 (SCI-Expanded)
- XX. **Chemical composition and antimicrobial activity of essential oil of Achillea cretica L. (Asteraceae) from Turkey**  
KÜÇÜKBAY F., KUYUMCU E., BILENLER T., Yildiz B.  
NATURAL PRODUCT RESEARCH, vol.26, no.18, pp.1668-1675, 2012 (SCI-Expanded)
- XXI. **CHEMICAL COMPOSITION AND ANTIMICROBIAL ACTIVITIES OF THE ESSENTIAL OILS OF Teucrium orientale var. orientale AND Teucrium orientale var. puberulens**  
KÜÇÜKBAY F., Yildiz B., KUYUMCU E., GÜNAL S.  
CHEMISTRY OF NATURAL COMPOUNDS, vol.47, no.5, pp.833-836, 2011 (SCI-Expanded)
- XXII. **COMPOSITION AND ANTIMICROBIAL ACTIVITY OF THE ESSENTIAL OIL OF Achillea formosa subsp amanica**  
KÜÇÜKBAY F., KUYUMCU E., GÜNAL S., ARABACI T.  
CHEMISTRY OF NATURAL COMPOUNDS, vol.47, no.2, pp.300-302, 2011 (SCI-Expanded)
- XXIII. **THE ESSENTIAL OIL OF Achillea boissieri**  
Kucukbay F. Z., Kuyumcu E., Arabaci T.  
CHEMISTRY OF NATURAL COMPOUNDS, vol.46, no.5, pp.824-825, 2010 (SCI-Expanded)
- XXIV. **Essential Oil Composition of Thymus eriocalyx (Ronniger) Jalas from Turkey**  
KÜÇÜKBAY F., KUYUMCU E.  
ASIAN JOURNAL OF CHEMISTRY, vol.22, no.5, pp.3615-3621, 2010 (SCI-Expanded)
- XXV. **Determination of Minerals and Trace Elements in Soils and The Relation with its Concentrations in Sugar Beets**  
KÜÇÜKBAY F., KUYUMCU E., KARACA I., Ozdemir D.  
ASIAN JOURNAL OF CHEMISTRY, vol.22, no.5, pp.3691-3704, 2010 (SCI-Expanded)
- XXVI. **Determination of trace element contents of Thymus species from Turkey**  
KÜÇÜKBAY F., KUYUMCU E.  
TURKISH JOURNAL OF CHEMISTRY, vol.34, no.6, pp.911-919, 2010 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Electrochemical and in Silico Investigations of the Interaction between Nitro Blue Tetrazolium Chloride and Bovine Serum Albumin**  
Kazıcı D., ALAGÖZ M. A., KUYUMCU SAVAN E.  
Nanofabrication, vol.7, pp.40-51, 2022 (Peer-Reviewed Journal)
- II. **Voltammetric Determination of 5-Hydroxyindoleacetic Acid at Poly (p-amino benzene sulfonic acid)**

## **Modified Sensor**

Yilmaz A., Kuyumcu Savan E., Erdoğan G.

ANALYTICAL & BIOANALYTICAL ELECTROCHEMISTRY, vol.14, no.4, pp.418-431, 2022 (ESCI)

- III. **Use Of Vitamin C, Vitamin D and Zinc Supplements To Avoid COVID-19 Infection**  
KUYUMCU SAVAN E.  
International Journal of HIV/AIDS and Research (IJHR), vol.8, no.1, pp.200-203, 2021 (Peer-Reviewed Journal)
- IV. **Voltammetric Detection of Levodopa and Benserazide at Polypyrrole and Single Walled Carbon Nanotube Based Electrode**  
KUYUMCU SAVAN E., ERDOĞDU G.  
International Journal of Pure and Applied Sciences, vol.7, no.1, pp.207-218, 2021 (Peer-Reviewed Journal)
- V. **Electrochemical Simultaneous Determination of Levodopa and Benserazide with Pyrrole and Multi-Walled Carbon Nanotube Modified Sensor**  
KUYUMCU SAVAN E., ERDOĞDU G.  
Journal of Inonu University Health Services Vocational School, vol.8, no.2, pp.336-355, 2020 (Peer-Reviewed Journal)
- VI. **PİROL VE ÇOK DUVARLI KARBON NANOTÜP MODİFİYE SENSÖR İLE LEVODOPA VE BENSERAZİD'İN ELEKTROKİMYASAL OLARAK EŞZAMANLI TAYİNİ**  
KUYUMCU SAVAN E., ERDOĞDU G.  
İnönü üniversitesi Sağlık Hizmetleri Meslek Yüksek Okulu Dergisi, vol.8, no.2, pp.336-355, 2020 (Peer-Reviewed Journal)
- VII. **Investigation of the Voltammetric Behavior of Methyldopa at a Poly (p-Aminobenzene Sulfonic Acid) Modified Sensor**  
ERDOĞDU G., YAĞCI S. Z., KUYUMCU SAVAN E.  
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.16, no.4, pp.450-456, 2019 (ESCI)
- VIII. **Application of Single-Walled Carbon Nanotube and Poly (3-Methylthiophene) Modified Sensors for Electrochemical Determination of Levodopa and Benserazide**  
Kuyumcu Savan E., Erdoğan G.  
ANALYTICAL & BIOANALYTICAL ELECTROCHEMISTRY, vol.11, pp.585-597, 2019 (ESCI)
- IX. **Electroanalytical determination of reduced-glutathione in biological samples**  
KUYUMCU SAVAN E.  
JOURNAL OF CLINICAL AND ANALYTICAL MEDICINE, vol.10, no.3, pp.394-397, 2019 (ESCI)
- X. **Poly(3-methylthiophene) modified gold sensor for determination of 3,4-dihydroxyphenylacetic acid, ascorbic acid and uric acid in biological fluids using voltammetric techniques**  
KUYUMCU SAVAN E., ERDOĞDU G.  
JOURNAL OF RESEARCH IN PHARMACY, vol.23, no.1, pp.25-33, 2019 (ESCI)
- XI. **Electrochemical Detection of Epinephrine in The Presence of Ascorbic Acid at Poly (p-Aminobenzene Sulfonic Acid) Modified Sensor**  
Yağcı Ş. Z. B., Kuyumcu Savan E., Erdoğan G.  
Cumhuriyet Science Journal, vol.39, pp.1025-1035, 2018 (Peer-Reviewed Journal)
- XII. **Selective Determination of Dopamine in the Presence of Ascorbic Acid at Poly( ip/i -Aminobenzene Sulfonic Acid) Modified Sensor/title**  
Mutlu M. M., KUYUMCU SAVAN E., ERDOĞDU G.  
SENSOR LETTERS, vol.16, no.9, pp.683-687, 2018 (Peer-Reviewed Journal)
- XIII. **Selective Determination of Dopamine in the Presence of Ascorbic Acid at Poly(p-Aminobenzene Sulfonic Acid) Modified Sensor**  
KUYUMCU SAVAN E., Mutluhan Mutlu M., ERDOĞDU G.  
SENSOR LETTERS, vol.16, pp.683-687, 2018 (Peer-Reviewed Journal)
- XIV. **Essential Oil Composition of Elettaria cardamomum Maton**  
Kuyumcu Savan E., Küçükbay F.  
Journal of Applied Biological Sciences, vol.7, no.3, pp.42-45, 2013 (Scopus)
- XV. **Chemical composition antimicrobial and antioxidant properties of Thymus eigii M Zohary P H Davis**

## essential oil

AZAZ A. D., KÜÇÜKBAY F., ÇELEN YÜCETÜRK S., KUYUMCU SAVAN E., Yıldız B.

International Journal of Essential Oil Therapeutics, vol.4, pp.17-22, 2010 (Peer-Reviewed Journal)

## Books & Book Chapters

### I. Encapsulation of Cardamom Extracts

KUYUMCU SAVAN E.

in: Cardamom (Elettaria cardamomum): Production, Processing and Properties, Mohamed Fawzy Ramadan, Editor, Springer Nature, pp.255-276, 2023

## Refereed Congress / Symposium Publications in Proceedings

### I. Voltammetric Determination of Quercetin in Tea Samples

KUYUMCU SAVAN E.

1st International Congress on Analytical and Bioanalytical Chemistry (1st ICABC 2019), Antalya, Turkey, 27 - 30 March 2019

### II. Östrojen Tayini İçin PU-MWCNT Kompozit Membran Temelli Elektrokimyasal Sensörlerin Geliştirilmesi

ÖZCAN İ., ÇAKMEN A. B., KUYUMCU SAVAN E., ATEŞ B., KÖYTEPE S., YILMAZ İ.

23. Biyomedikal Bilim ve Teknoloji Sempozyumu, Turkey, 15 - 16 December 2018

### III. Glukoz-PEG200-Tween Yapılı Poliüretan-Silika Kompozit Membranların Sentezi ve İbuprofen Sensörü olarak Kullanılması

ÖZCAN İ., ÇAKMEN A. B., KUYUMCU SAVAN E., ATEŞ B., KÖYTEPE S., YILMAZ İ.

23. Biyomedikal Bilim ve Teknoloji Sempozyumu, Turkey, 15 - 16 December 2018

### IV. Determination Of Glutathione By An Electrochemical Sensor Based On Poly-Dopamine

KUYUMCU SAVAN E.

Innovation in Medicine Submit-4, 11 - 13 October 2018, pp.30

### V. Determination of N-Acetylcysteine by Amperometric Sensor Based on Single Wall Carbon Nano Tube-Nafion Composite

KUYUMCU SAVAN E.

International Conference on Physical Chemistry and Functional Materials (PCFM'18), 19 - 21 June 2018

### VI. Simultaneous determination of levodopa and benserazide in pharmaceutical tablet and urine samples using modified sensors based on pyrrol/multiwalled carbon nanotube

KUYUMCU SAVAN E., ERDOĞDU G.

SANKO University Innovation in Medicine Summit-3, 11 - 13 May 2017

### VII. Simultaneous determination of levodopa and carbidopa at SWCNT and poly(3-methylthiophene) modified sensors: its application to a pharmaceutical dosage form

KUYUMCU SAVAN E., ERDOĞDU G.

SANKO University Innovation in Medicine Summit-3, 11 - 13 May 2017

### VIII. Investigation of antidepressant effects of gentiana olivieri in the chronic unpredictable stress model of depression in rat

Berk A., YILMAZ İ., Abacıoğlu N., Karaaslan M. G., KUYUMCU SAVAN E., Kaymaz M. B.

I. International Congress on Medicinal and Aromatic Plants: "Natural and Healthy Life", 10 - 12 May 2017

### IX. Assessing the antidepressant effects of gentiana olivieri in the forced swim test in rats

Berk A., YILMAZ İ., abacıoğlu n., Karaaslan M. G., KUYUMCU SAVAN E., Kaymaz M. B.

I. International Congress on Medicinal and Aromatic Plants: "Natural and Healthy Life", 10 - 12 May 2017

### X. Simultaneous determination of levodopa and carbidopa in the presence of ascorbic acid using nanostructured electrochemical sensor based on 3-methylthiophene and MWCNT

KUYUMCU SAVAN E., ERDOĞDU G.

3rd International Congress on Biosensors, 5 - 07 October 2016

- XI. **Application of SWCNT and poly(3-methylthiophene) modified sensors for simultaneous determination of levodopa and benserazide**  
KUYUMCU SAVAN E., ERDOĞDU G.  
3rd International Congress on Biosensors, 5 - 07 October 2016
- XII. **Simultaneous Determination of Levedopa and Benserazide in the Presence of Ascorbic Acid on Poly(3-Methylthiophene) and Multiwalled Carbon Nanotube Modified Sensor**  
KUYUMCU SAVAN E., ERDOĞDU G.  
Innovation in Medicine Summit-2, 5 - 07 May 2016
- XIII. **Determination of Toxic Metals and Essential Elements in Infant Formulas**  
KUYUMCU SAVAN E., ÜNÜVAR S., KARAASLAN N. M.  
International Conference on Advances in Natural and Applied Sciences (ICANAS 2016), 21 - 23 April 2016
- XIV. **Hedef Odaklı Yeni Nesil Kanser İlaçların Geliştirilmesi**  
KUYUMCU SAVAN E., KÖYTEPE S., ATEŞ B., İMREN ö., BALCIOĞLU S.  
Kimyevi Maddeler ve Mamülleri Sektöründe 5. Ar-Ge Proje Pazarı, İstanbul, Turkey, 14 November 2015
- XV. **Synthesis and Chracterization of the Methotrexate Containing Magnetite Nanoparticles for Cancer Treatment**  
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- XVIII. **Melamine Determination by High Performance Liquid Chromatography in Baby Formulas**  
ÜNÜVAR S., KUYUMCU SAVAN E., KÜÇÜKBAY F.  
International Multidisciplinary Symposium on Drug Research and Development - New Drug Entities Cancer Research, Nanotechnology Scientific and Industrial Perspectives, 28 - 30 November 2013
- XIX. **Sensitive and Selective Determination of Norepinephrine Based on Poly p aminobenzene sulfonic acid Modified Electrode**  
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- XX. **The Essential Oil of Elettaria cardamomum Maton**  
KUYUMCU SAVAN E., KÜÇÜKBAY F.  
25. Uluslar arası katılımlı Ulusal Kimya Kongresi, Turkey, 27 June - 02 July 2011
- XXI. **Achillea cretia L Bitkisinin Uçucu Yağ İçeriğinin GC MS ile Tayini**  
KUYUMCU SAVAN E., KÜÇÜKBAY F., yıldız b.  
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- XXIV. **İletken Poli 3 metiltiyofen Elektrot ile 3 4 dihidroksifenilasetik asitin DOPAC Askorbik Asit ve Ürik Asit Varlığında Tayini**



KUYUMCU SAVAN E., ERDOĞDU G.

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- XXV. **Composition of The Essential Oil of Thymus eriocalyx Ronniger Jales from Turkey**  
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8th International Symposium on the Chemistry of Natural Compounds, 15 - 17 June 2009
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KUYUMCU SAVAN E., KÜÇÜKBAY F., ARABACI T.  
XXII. Ulusal Kimya Kongresi, Turkey, 6 - 10 October 2008
- XXVII. **Halk İlacı Olarak Kullanılan Bazı Origanum Satureja ve Thymus Türlerinde Mineral ve Eser Element Tayini**  
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- XXIX. **Üretimden tüketime kadarki işlemlerde şeker pancarı örneklerinde ve yetiştiği toprak numunelerinde eser element ve mineral tayini**  
KUYUMCU SAVAN E., KARACA AÇARI İ., KÜÇÜKBAY F.  
21. Ulusal Kimya Kongresi, Turkey, 23 - 27 August 2007

## Supported Projects

- KUYUMCU SAVAN E., KAZICI D., Project Supported by Higher Education Institutions, Anti-Müllerian Hormon Düzeyini Belirlemek için Antikor Temelli Bor Nitrür-Gümüş Katkılı Voltametrik Biyosensör Tasarımı, 2022 - Continues
- KUYUMCU SAVAN E., KÖYTEPE S., ÖZCAN İ., KAZICI D., YAYAN E., ÖZCAN İ., Project Supported by Higher Education Institutions, Poliimid ve poliüretan nanokompozitlerin elektrokimyasal levotiroksinin sensör materyali olarak sentezlenmesi ve ilaç analizlerinde uygulanması, 2021 - 2023
- BİLENLER KOÇ T., KARABULUT İ., KUYUMCU SAVAN E., Project Supported by Higher Education Institutions, Çeşitli meyve ve sebzelerin antioksidan niteliklerinin saptanması için geleneksel yöntemlere alternatif elektrokimyasal yöntem geliştirilmesi, 2020 - 2022
- KUYUMCU SAVAN E., KÖYTEPE S., ÖZCAN İ., ATEŞ B., ERDOĞDU G., Project Supported by Higher Education Institutions, Mezo ve Makro Gözenekli Karbon Temelli Amperometrik Sensörlerin Tasarımı ve Vitamin Sensör Uygulamaları, 2018 - 2021
- ERDOĞDU G., KUYUMCU SAVAN E., YILMAZ A., Project Supported by Higher Education Institutions, 5-Hidroksi İndol Asetik Asidin Poli (p-aminobenzen sülfonik asit) Elektrotta Miktarının Belirlenmesi, 2018 - 2021
- Kuyumcu Savan E., Yılmaz İ., Project Supported by Higher Education Institutions, Sıçanlarda Gentiana olivieri Bitkisinin Antidepresan Etkisinin Araştırılması 2016/36, 2016 - 2017
- Kuyumcu Savan E., Erdoğan G., Project Supported by Higher Education Institutions, Bazı İletken Polimer Elektrolar ile Yeni Elektrokimyasal Sensörlerin Hazırlanması ve İlaç Etken Maddelerine Uygulanması 2013/54, 2013 - 2016
- Kuyumcu Savan E., Erdoğan G., Project Supported by Higher Education Institutions, Bazı Katekolaminlerin Elektrokimyasal Özelliklerinin İncelenmesi ve Ticari İlaç Formlarından Miktarının Belirlenmesi 2011 38, 2011 - 2012
- Kuyumcu Savan E., Küçükbay F., Project Supported by Higher Education Institutions, Soğuk Algınlığında Kullanılan Bazı Bitkilerde Uçucu Yağ ve Mineral Tayini 2008 35, 2008 - 2009

## Activities in Scientific Journals

- International Journal of Pure and Applied Sciences, Publication Committee Member, 2019 - Continues
- Applied Chemical Engineering, Committee Member, 2018 - Continues
- International Journal of HIV/AIDS and Research (IJHR), Committee Member, 2016 - Continues

## **Metrics**

Publication: 74

Citation (WoS): 117

Citation (Scopus): 107

H-Index (WoS): 8

H-Index (Scopus): 6

## **Awards**

Kuyumcu Savan E., Poster İkinciliği Ödülü "Simultaneous determination of levodopa and benserazide in pharmaceutical tablet and urine samples using modified sensors based on pyrrol/multiwalled carbon nanotube", Sanko Üniversitesi, May 2017

Kuyumcu Savan E., Bölüm Üçüncülüğü, İnönü Üniversitesi, June 2005

## **Non Academic Experience**

Structure Elucidation Chemistry, Department of Chemistry, Oulun Yhopisto (University of Oulu)