

## Prof. Zeynep AYDOĞMUŞ

### Personal Information

**Office Phone:** [+90 212 440 0000](tel:+902124400000) Extension: 13591

**Fax Phone:** [+90 212 440 0252](tel:+902124400252)

**Email:** [aydogmus@istanbul.edu.tr](mailto:aydogmus@istanbul.edu.tr)

**Web:** <http://aves.istanbul.edu.tr/aydogmus/>

**Address:** İstanbul Üniversitesi, Eczacılık Fakültesi, Analitik Kimya Anabilim Dalı, 34116, Beyazıt, İstanbul, Türkiye

### International Researcher IDs

ORCID: 0000-0001-7784-0129

Publons / Web Of Science ResearcherID: A-2786-2016

Yoksis Researcher ID: 121511

### Education Information

Doctorate, Istanbul University, Faculty Of Pharmacy , Sağlık Bilimleri Enstitüsü-Analitik Kimya Anabilim Dalı, Turkey 1990 - 1995

Postgraduate, Istanbul University, Faculty Of Pharmacy , Sağlık Bilimleri Enstitüsü-Analitik Kimya Anabilim Dalı, Turkey 1987 - 1989

Undergraduate, Istanbul University, Faculty Of Pharmacy , Turkey 1982 - 1987

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Health&Medicine, İlk Yardım Sertifikası, TC İstanbul Valiliği İl Sağlık Müdürlüğü, 2014

IT, Certificated EU project manager 2013, İstanbul Üniversitesi -hochschule für öffentliche verwaltung und finanzen, 2013

Education Management and Planning, Yeni Yüzyılda Modern İnce Tabaka Kromatografisi(TLC) ve HPTLC, Kromatografinin Temel Uygulaması, İNFO Kimya Ltd. Şti, İstanbul, 2003

Education Management and Planning, HPLC ve Diğer Separasyon Teknikleri Ulusal Sempozyumu, Gülhane Askeri Tıp Akademisi, 2003

Occupational Health and Safety, The Bloodborne Pathogens Standard, The University of Illinois at Chicago, Environmental Health and Safety Office, Chicago, 2001

Occupational Health and Safety, Basic Radiation Protection, The University of Illinois at Chicago Radiation Safety Office, Chicago, 2000

### Dissertations

Doctorate, Kıyılarımızdan Toplanan Bazı Laurencia obtusa Örnekleri ile Bir Laurencia paniculata Örneğinin Kimyasal Yönden İncelenmesi, Istanbul University, Faculty of Pharmacy , Sağlık Bilimleri Enstitüsü- Analitik Kimya Anabilim Dalı, 1995

Postgraduate, Verongia aerophoba'nın Sekonder Metabolitlerinin Analizleri Üzerinde Çalışmalar, Istanbul University, Faculty of Pharmacy , Sağlık Bilimleri Enstitüsü- Analitik Kimya Anabilim Dalı, 1989

## Research Areas

Health Sciences, Pharmacology and Therapeutics, Basic Pharmaceutics Sciences, Analytical Chemistry, Professional Sciences, Pharmacognosy, Chemistry, Analytical Chemistry, Separation Methods, Electromagnetic Methods, Pharmaceutical Analysis, Chromatographic Analysis, Spectroscopical Methods, Natural Sciences

## Academic Titles / Tasks

Professor, Istanbul University, Faculty of Pharmacy , Department of Basic Pharmaceutical Sciences, 2012 - Continues

## Academic and Administrative Experience

İstanbul Üniversitesi, Faculty of Pharmacy , Temel Bilimler, 1997 - 2009

## Courses

Analytical chemistry, Undergraduate, 2021 - 2022

Analitik Kimya II, Undergraduate, 2017 - 2018

Analitik Kimya I, Undergraduate, 2017 - 2018

İNCE TABAKA KROMATOĞRAFİSİ VE YÜKSEK PERFORMANSLI SIVI KROMATOĞRAFİSİYLE YÖNTEM GELİŞTİRME, Postgraduate, 2015 - 2016

ELEKTROANALİTİK YÖNTEMLERLE İLAÇ ANALİZLERİ, Doctorate, 2015 - 2016

Kromatografik Analizler, Undergraduate, 2015 - 2016

## Jury Memberships

Doctoral Examination, İbrahim Halil DEMİRSOY'un doktora yeterlik , Biyoloji Anabilim Dalı, Mersin Üniversitesi, Fen Bilimleri Enstitüsü , February, 2017

Doctoral Examination, Selin Hazır'ın doktora yeterlik , Biyoloji Anabilim Dalı, Mersin Üniversitesi, Fen Bilimleri Enstitüsü , February, 2017

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

- I. **Electroanalytical methods for determination of antiviral drugs in pharmaceutical formulation and biological fluids: A review**  
Aydogmus Z., Asfoor A.  
CHINESE JOURNAL OF ANALYTICAL CHEMISTRY, vol.50, no.10, 2022 (SCI-Expanded)
- II. **Investigation of electrochemical and indicator properties of chalcone type compounds**  
Yıldız G., Akbas Y., Korkmaz B., Şenkal B. F., Aydogmus Z.  
CHEMICAL PAPERS, vol.76, no.6, pp.3569-3579, 2022 (SCI-Expanded)
- III. **In vitro proliferation of plants**  
Aydoğmuş Z.  
Journal Of Asian Natural Products Research, vol.2021, pp.1-34, 2020 (SCI-Expanded)

- IV. **Ent-kaurene Diterpenoids from *Sideritis lycia* with Antiviral and Cytotoxic Activities**  
Kılıç T., Topçu G., Gören A. C., Aydoğmuş Z., Karagöz A., Yıldız Y. K., Aslan İ.  
RECORDS OF NATURAL PRODUCTS, vol.14, no.4, pp.256-268, 2020 (SCI-Expanded)
- V. **Differential Pulse Voltammetric Determination of Anticancer Drug Regorafenib at a Carbon Paste Electrode: Electrochemical Study and Density Functional Theory Computations**  
Aydoğmuş Z., Sağlık Aslan S., Yıldız G., Senocak A.  
JOURNAL OF ANALYTICAL CHEMISTRY, vol.75, pp.691-700, 2020 (SCI-Expanded)
- VI. **A simple and rapid spectrofluorometric determination of pomalidomide in spiked plasma and urine. Application to degradation studies**  
Aydogmus Z., Yilmaz E. M., Yildiz G.  
LUMINESCENCE, 2019 (SCI-Expanded)
- VII. **Investigation of Curcumin Water Solubility Through Emulsifying with Biocompatible Polyethylene Glycol-Based Polymers**  
Yıldız G., Aydogmus Z., Şenkal B. F., Turan G.  
FOOD ANALYTICAL METHODS, vol.12, no.10, pp.2129-2138, 2019 (SCI-Expanded)
- VIII. **Electrochemical oxidation mechanism of eugenol on graphene modified carbon paste electrode and its analytical application to pharmaceutical analysis**  
Yıldız G., Aydogmus Z., Cinar M. E., Şenkal B. F., Öztürk T.  
TALANTA, vol.173, pp.1-8, 2017 (SCI-Expanded)
- IX. **Antidiabetic and hypolipidemic activities of Algerian *Pistachia lentiscus* L. leaves extract in alloxan-induced diabetic rats**  
Cherbal A., Kebieche M., Yilmaz E. M., Aydogmus Z., Benzaouia L., Benguessoum M., Benkedidah M., Madani K.  
SOUTH AFRICAN JOURNAL OF BOTANY, vol.108, pp.157-162, 2017 (SCI-Expanded)
- X. **Determination of Thiols and Free Thiol Content in a Protein with Liquid Chromatography Coupled to Amperometric Detection at a Silver Based Carbon Paste Electrode**  
Aydogmus Z., Sarakbi A., Kauffmann J.  
ELECTROANALYSIS, vol.28, no.11, pp.2703-2708, 2016 (SCI-Expanded)
- XI. **Determination of Nilotinib in Spiked Plasma, Urine, and Capsules by High-Performance Liquid Chromatography with Fluorimetric Detection**  
Yilmaz E. M., Aydogmus Z., Aboul-Enein H. Y.  
ACTA CHROMATOGRAPHICA, vol.28, no.3, pp.313-331, 2016 (SCI-Expanded)
- XII. **Simultaneous determination of aliskiren, amlodipine and hydrochlorothiazide in spiked human plasma and urine by high performance liquid chromatography**  
Aydogmus Z.  
JOURNAL OF ANALYTICAL CHEMISTRY, vol.70, no.4, pp.502-509, 2015 (SCI-Expanded)
- XIII. **Formulation and characterization of solid lipid nanoparticles, nanostructured lipid carriers and nanoemulsion of lornoxicam for transdermal delivery**  
Gonullu U., Uner M., Yener G., Karaman E. F., Aydogmus Z.  
ACTA PHARMACEUTICA, vol.65, no.1, pp.1-13, 2015 (SCI-Expanded)
- XIV. **Solid Lipid Nanoparticles and Nanostructured Lipid Carriers of Loratadine for Topical Application: Physicochemical Stability and Drug Penetration through Rat Skin**  
Uner M., Karaman E. F., Aydogmus Z.  
TROPICAL JOURNAL OF PHARMACEUTICAL RESEARCH, vol.13, no.5, pp.653-660, 2014 (SCI-Expanded)
- XV. **Determination of aminothiols by liquid chromatography with amperometric detection at a silver electrode: Application to white wines**  
Sarakbi A., Aydogmus Z., Dago A., Mertens D., Dewert J., Kauffmann J.  
ANALYTICA CHIMICA ACTA, vol.786, pp.22-28, 2013 (SCI-Expanded)
- XVI. **Differential Pulse Voltammetric Determination of Montelukast in Tablets and Human Plasma by Using Chitosan Modified Carbon Paste Electrode**  
Yıldız G., Aydogmus Z., Kauffmann J.  
ELECTROANALYSIS, vol.25, no.7, pp.1796-1802, 2013 (SCI-Expanded)

- XVII. **Spectrofluorimetric determination of aliskiren in dosage forms and urine**  
Aydogmus Z.  
LUMINESCENCE, vol.27, no.6, pp.489-494, 2012 (SCI-Expanded)
- XVIII. **An HPLC Method for the Determination of Bisoprolol in Human Plasma and its Application to a Pharmacokinetic Study**  
Ulu S. T., Aydogmus Z.  
JOURNAL OF CHROMATOGRAPHIC SCIENCE, vol.50, no.7, pp.615-619, 2012 (SCI-Expanded)
- XIX. **Spectrofluorimetric Determination of Aliskiren in Tablets and Spiked Human Plasma through Derivatization with Dansyl Chloride**  
Aydogmus Z., Sari F., Ulu S. T.  
JOURNAL OF FLUORESCENCE, vol.22, no.2, pp.549-556, 2012 (SCI-Expanded)
- XX. **Electroanalysis of Oseltamivir Phosphate Using New Microelectrodes Based on Zinc Complexes with Porphyrins and Phthalocyanines**  
Pop S. F., Stefan-van Staden R., van Staden J. F., Aboul-Enein H. Y., Ion R., Aydogmus Z.  
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.159, no.9, 2012 (SCI-Expanded)
- XXI. **Utility of Screen Printed Electrodes for in Vitro Metabolic Stability Assays: Application to Acetaminophen and its Thioconjugates**  
Kauffmann J., Van Antwerpen P., Sarakbi A., Feier B., Tarik S., Aydogmus Z.  
ELECTROANALYSIS, vol.23, no.11, pp.2643-2650, 2011 (SCI-Expanded)
- XXII. **Constituents of the Red Alga Laurencia obtusa**  
Aydoğmuş Z.  
PLANTA MEDICA, vol.77, pp.1358, 2011 (SCI-Expanded)
- XXIII. **Spectrofluorometric and HPLC Determinations of Ribavirin in Capsules Based on Fluorescence Derivatization of the Sugar Moiety**  
Aydogmus Z.  
ANALYTICAL SCIENCES, vol.27, no.3, pp.277-282, 2011 (SCI-Expanded)
- XXIV. **Tyrosinase immobilized magnetic nanobeads for the amperometric assay of enzyme inhibitors: Application to the skin whitening agents**  
Sima V. H., Patris S., Aydogmus Z., Sarakbi A., Sandulescu R., Kauffmann J.  
TALANTA, vol.83, no.3, pp.980-987, 2011 (SCI-Expanded)
- XXV. **Simultaneous Determination of Acetaminophen (Paracetamol) and Ascorbic Acid in Pharmaceutical Formulations by LC Coupled to a Screen Printed Carbon Based Amperometric Detector**  
Sarakbi A., Aydogmus Z., Sidali T., Gokce G., Kauffmann J.  
ELECTROANALYSIS, vol.23, no.1, pp.29-36, 2011 (SCI-Expanded)
- XXVI. **RP-HPLC METHOD FOR DETERMINATION OF OSELTAMIVIR PHOSPHATE IN CAPSULES AND SPIKED PLASMA**  
Aydogmus Z., Caglar S., Toker S.  
ANALYTICAL LETTERS, vol.43, no.14, pp.2200-2209, 2010 (SCI-Expanded)
- XXVII. **Simple and Sensitive Spectrofluorimetric Method for the Determination of Oseltamivir Phosphate in Capsules Through Derivatization with Fluorescamine**  
Aydogmus Z.  
JOURNAL OF FLUORESCENCE, vol.19, no.4, pp.673-679, 2009 (SCI-Expanded)
- XXVIII. **Spectrophotometric Determination of Doxazosin Mesylate in Tablets by Ion-Pair and Charge-Transfer Complexation Reactions**  
Aydodmup Z., Barla A.  
JOURNAL OF AOAC INTERNATIONAL, vol.92, no.1, pp.131-137, 2009 (SCI-Expanded)
- XXIX. **A New Spectrophotometric Method for the Determination of Tianeptine in Tablets Using Ion-Pair Reagents**  
Ulu S., Aydogmus Z.  
CHEMICAL & PHARMACEUTICAL BULLETIN, vol.56, no.12, pp.1635-1638, 2008 (SCI-Expanded)
- XXX. **Highly sensitive and selective spectrophotometric and spectrofluorimetric methods for the**

**determination of ropinirole hydrochloride in tablets**

Aydogmus Z.

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.70, no.1, pp.69-78, 2008 (SCI-Expanded)

- XXXI. **Studies on chemical constituents of Gracilaria verrucosa**  
Aydogmus Z., Topcu G., Gueven K. C.  
NATURAL PRODUCT RESEARCH, vol.22, no.18, pp.1589-1596, 2008 (SCI-Expanded)
- XXXII. **S.T. Ulu, Z. Aydoğmuş, A New Spectrophotometric Method for the Determination of Tianeptine in Tablets using Ion-Pair Reagents**  
AYDOĞMUŞ Z.  
Chemical & Pharmaceutical Chemical Bulletin, no.56, pp.1635-1638, 2008 (SCI-Expanded)
- XXXIII. **Extractive spectrophotometric methods for determination of zolmitriptan in tablets**  
Aydogmus Z., Inanli I.  
JOURNAL OF AOAC INTERNATIONAL, vol.90, no.5, pp.1237-1241, 2007 (SCI-Expanded)
- XXXIV. **Constituents of Salvia microphylla**  
Aydogmus Z., Yesilyurt V., Topcu G.  
NATURAL PRODUCT RESEARCH, vol.20, no.8, pp.775-781, 2006 (SCI-Expanded)
- XXXV. **Halogenated secondary metabolites from Laurencia obtusa**  
Aydogmus Z., Imre S., Ersoy L., Wray V.  
NATURAL PRODUCT RESEARCH, vol.18, no.1, pp.43-49, 2004 (SCI-Expanded)
- XXXVI. **Brominated sesquiterpenes from the red alga Laurencia obtusa**  
Topcu G., Aydogmus Z., Imre S., Goren A., Pezzuto J., Clement J., Kingston D.  
JOURNAL OF NATURAL PRODUCTS, vol.66, no.11, pp.1505-1508, 2003 (SCI-Expanded)
- XXXVII. **Studies on di- and triterpenoids from Salvia staminea with cytotoxic activity**  
Topcu G., Altiner E., Gozcu S., Halfon B., Aydogmus Z., Pezzuto J., Zhou B., Kingston D.  
PLANTA MEDICA, vol.69, no.5, pp.464-467, 2003 (SCI-Expanded)
- XXXVIII. **Antimalarial agents from plants. III. Trichothecenes from Ficus fistulosa and Rhabdiphora decursiva**  
Zhang H., Tamez P., Aydogmus Z., Tan G., Saikawa Y., Hashimoto K., Nakata M., Van Hung N., Xuan L., Cuong N., et al.  
PLANTA MEDICA, vol.68, no.12, pp.1088-1091, 2002 (SCI-Expanded)
- XXXIX. **The chemical constituents and biological activity of essential oil of Lavandula stoechas ssp stoechas**  
Goren A., Topcu G., Bilsel G., Bilsel M., Aydogmus Z., Pezzuto J.  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.57, no.9-10, pp.797-800, 2002 (SCI-Expanded)
- XL. **Antimalarial agents from plants - II. Decursivine, a new antimalarial indole alkaloid from Rhabdiphora decursiva**  
Zhang H., Qiu S., Tamez P., Tan G., Aydogmus Z., Van Hung N., Cuong N., Angerhofer C., Soejarto D., Pezzuto J., et al.  
PHARMACEUTICAL BIOLOGY, vol.40, no.3, pp.221-224, 2002 (SCI-Expanded)
- XLI. **D.D. Soejarto, J.M. Pezzuto, H.H.S. Fong, G.T. Tan, H.J. Zhang, P. Tamez, Z. Aydogmus, N.Q. Chien, S.G. Franzblau, C. Gyllenhaal, J.C. Regalado, N.V. Hung, V.D. Hoang, N.T. Hiep, L.T. Xuan, N.V. Hai, N.M. Cuong, T.Q. Bich, P.K. Loc, B.M. Vu, B.H. Southavong, K. Sydara, S. Bouamanivong, M.J. O'Neill, J. Lewis, G. Dietzman, "An international collaborative program to discover new drugs from tropical biodiversity of Vietnam and Laos**  
AYDOĞMUŞ Z.  
Natural Product Sciences, vol.8, pp.1-15, 2002 (SCI-Expanded)
- XLII. **Spectrophotometric determination of mexiletine hydrochloride in capsules using bromothymol blue**  
Aydogmus Z., Cetin S., Tosunoglu S.  
TURKISH JOURNAL OF CHEMISTRY, vol.26, no.6, pp.839-842, 2002 (SCI-Expanded)
- XLIII. **Antimalarial Agents from Plants. II. Decursivine, A New Antimalarial Indole Alkaloid from Rhabdiphora decursiva**  
Aydoğmuş Z.

- Pharmaceutical Biology, vol.40, pp.221-224, 2002 (SCI-Expanded)
- XLIV. **Antimalarial Agents from Plants. III. Trichothecenes from Ficus fistulosa and Rhabdiphora decursiva**  
Aydoğmuş Z.  
Planta Medica, vol.68, pp.1088-1091, 2002 (SCI-Expanded)
- XLV. **Determination of ascorbic acid in vegetables by derivative spectrophotometry**  
Aydogmus Z., Cetin S., Ozgur M.  
TURKISH JOURNAL OF CHEMISTRY, vol.26, no.5, pp.697-704, 2002 (SCI-Expanded)
- XLVI. **Chemical investigation of the sponge Verongia aerophoba**  
Aydogmus Z., Ersoy N., Imre S.  
TURKISH JOURNAL OF CHEMISTRY, vol.23, no.3, pp.339-344, 1999 (SCI-Expanded)
- XLVII. **Secondary metabolites from the red alga Laurencia obtusa**  
Imre S., Aydogmus Z.  
PHARMAZIE, vol.52, no.11, pp.883-885, 1997 (SCI-Expanded)
- XLVIII. **Polybrominated non-terpenoid C-15 compounds from Laurencia paniculata and Laurencia obtusa**  
Imre S., Aydogmus Z., Guner H., Lotter H., Wagner H.  
ZEITSCHRIFT FUR NATURFORSCHUNG C-A JOURNAL OF BIOSCIENCES, vol.50, no.11-12, pp.743-747, 1995 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Electrochemical behavior and differential pulse voltammetric determination of budesonide in suspension ampoules**  
Yolchuyev O., Aydoğmuş Z.  
Istanbul Journal of Pharmacy, vol.53, no.2, pp.150-158, 2023 (ESCI)
- II. **Artemisia campestris and Artemisia herbaalba: LC-HRESI-MS Profile Alongside Their Antioxidant and Antimicrobial Evaluation**  
BAKCHICHE B., Gören A. C., AYDOĞMUŞ Z., MATARACI KARA E., GHAREEB M. A.  
ACTA PHARMACEUTICA SCIENTIA, vol.60, no.2, pp.131-152, 2022 (Scopus)
- III. **Vitamin and Herbal Supplements in Parkinson Disease**  
Aydoğmuş Z.  
Journal of pharmacology and clinical trials, vol.1, no.2, pp.70-74, 2019 (Peer-Reviewed Journal)
- IV. **Determination of eugenol in plants and pharmaceutical form by HPLC with amperometric detection at graphene-modified carbon paste electrode**  
AYDOĞMUŞ Z., Yıldız G., Yılmaz E. M., Aboul-Enein H. Y.  
graphene Technology, vol.3, no.4, pp.1-9, 2018 (Peer-Reviewed Journal)
- V. **RP-HPLC method for the simultaneous determination of carbamazepine and nilotinib: Application solubility studies**  
Aydoğmuş Z., Yılmaz E. M., Sağlık Aslan S., Taş Z. E., Üner M.  
The Pharmaceutical and Chemical Journal, vol.3, no.4, pp.1-10, 2016 (Peer-Reviewed Journal)
- VI. **Development of Simultaneous Derivative Spectrophotometric and HPLC Methods for Determination of 17-Beta-Estradiol and Drospirenone in Combined Dosage Form.**  
Aydoğmuş Z., Yılmaz E. M., Yörüsün S., Akpınar S.  
Int Sch Res Notices, vol.2015, no.2015, pp.1-7, 2015 (Peer-Reviewed Journal)
- VII. **A Fourier Transform Infrared Spectrophotometry Method Used For Oseltamivir Determination in Pharmaceutical Formulations**  
NITA, S., BUNACIU A. A., FLESCHEAN, AYDOĞMUŞ Z., ABOUL-ENEIN H. Y.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.25, no.3, pp.631-634, 2012 (Scopus)
- VIII. **A NEW SPECTROPHOTOMETRIC METHOD FOR THE DETERMINATION OF OSELTAMIVIR PHOSPHATE IN BULK AND CAPSULES**

- Aydođmuş Z.  
İstanbul Ecz. Fak. Mec., vol.40, pp.47-55, 2009 (Peer-Reviewed Journal)
- IX. **Spectrophotometric methods for the determination of lansoprazole in capsules.**  
AYDOĐMUŞ Z.  
Acta Pharmaceutica Scientia, vol.48, pp.45-54, 2006 (Scopus)
- X. **Spectrophotometric Determination of Mexiletine Hydrochloride by Charge-Transfer Formation with 2,3-Dichloro-5,6- Dicyanobenzoquinone (DDQ)**  
Aydođmuş Z.  
Acta Pharmaceutica Turcica, vol.43, pp.69-72, 2001 (Peer-Reviewed Journal)
- XI. **S. İmre, A New hologenated C15 non-terpenoid compound from the marine red alga, Laurencia obtusa**  
AYDOĐMUŞ Z.  
Acta Pharmaceutica Turcica, vol.41, pp.93-95, 1999 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of the Effect of Vitamin D in Covid-19 Treatment**  
Yılmaz E. M., Aydođmuş Z.  
7th International Medicine and Health Sciences Researches Congress, Ankara, Turkey, 28 - 29 August 2021, no.207, pp.20-21
- II. **Applications of 3D printed microfluidics in analytical chemistry**  
Yılmaz E. M., Aydođmuş Z.  
International Eurasian Conference on Biotechnology and Biochemistry (BioTechBioChem 2020), Ankara, Turkey, 16 - 18 December 2020, pp.70
- III. **BUDESONİDİN ELEKTROKİMYASAL DAVRANIŞLARININ İNCELENMESİ VE MİKTAR TAYİNİ**  
Aydođmuş Z.  
1. ULUSLARARSI HAZAR BİLİMSEL ARAŞTIRMALAR KONGRESİ, Baku, Azerbaijan, 18 - 20 September 2020, pp.1
- IV. **Spectrofluorimetric Determination of Pomalidomide in Spiked Plasma and Urine**  
Aydođmuş Z., Yılmaz E. M., Yıldız G.  
2. World Conference and Exhibition on Pharmaceutical Science and Pharmacognosy 2018, Frankfurt, Germany, 5 - 07 November 2018, pp.100
- V. **Use of modified PEGs as a solubility enhancer for curcumin**  
Yıldız G., AYDOĐMUŞ Z., Senkal F., Turan G.  
2nd International Conference and Exhibition on pharmaceutical Science and Pharmacognosy, Frankfurt, Germany, 5 - 07 November 2018, vol.1, no.1, pp.113
- VI. **Improvement of solubility of morin and meloxicam using modified PEGs**  
AYDOĐMUŞ Z., Yıldız G., Senkal F., Turan G.  
2nd International Conference and Exhibition on pharmaceutical Science and Pharmacognosy, Frankfurt, Germany, 5 - 07 November 2018, vol.1, no.1, pp.123
- VII. **Investigation of the electrochemical behavior of alginate by voltammetric**  
Yıldız G., AYDOĐMUŞ Z.  
2nd International Conference and Exhibition on pharmaceutical Science and Pharmacognosy, Frankfurt, Germany, 5 - 07 November 2018, vol.1, no.1, pp.124
- VIII. **Determination of Dexmedetomidine by Ultra Performance Liquid Chromatography**  
AYDOĐMUŞ Z., Sayar D.  
8th Black Sea Basin Conference on Analytical Chemistry (8th BBCAC), İstanbul, Turkey, 9 - 11 May 2018, vol.1, no.1, pp.129
- IX. **Electrochemical Study and Differential Pulse Voltammetric Determination of Regorafenib in Spiked Plasma and Urine at a Carbon Paste Electrode**  
AYDOĐMUŞ Z., SAĐLIK ASLAN S., YILDIZ G.

3rd International Turkic world conference on chemical science and technologies, 10 - 13 September 2017

- X. **Determination of Eugenol by HPLC with Electrochemical Detection in Some Plants**  
Yıldız G., AYDOĞMUŞ Z., ŞENKAL F.  
International Conference: 10th Aegean Analytical Chemistry Days (AACD 2016 ), Çanakkale, Turkey, 29 September - 02 October 2016, vol.1, no.1, pp.85
- XI. **A Spectrophotometric Method For Simultaneous Determination of Nilotinib and Regorafenib**  
YILMAZ E. M., AYDOĞMUŞ Z.  
International Conference: 10th Aegean Analytical Chemistry Days, Çanakkale, Turkey, 29 September - 02 October 2016, vol.1, no.1, pp.201
- XII. **Determination of eugenol in cloves with voltammetric technique by using a resin modified carbon paste electrode**  
Yıldız g., Şenkal F., AYDOĞMUŞ Z.  
4th International Conference on Methods and Materials for Separation Processes Separation Science – Theory and Practice 2016, Wrocław, Poland, 6 - 08 September 2016, vol.1, no.1, pp.139
- XIII. **proteinlerde tiyollerin tayini için gümüş bazlı karbon elektrot kullanarak amperometrik dedeksiyonlu bir sıvı kromatografisi yöntemi**  
AYDOĞMUŞ Z., Sarakbi A., Kauffmann J.  
16. Ulusal kromatografi Kongresi, Malatya, Turkey, 31 August - 02 September 2016, vol.1, no.13, pp.27
- XIV. **RP-HPLC Method for the Simultaneous Determination of Carbamazepine and Nilotinib: Application to Interaction Studies**  
AYDOĞMUŞ Z., YILMAZ E. M., ÜNER M.  
6th International Conference and Exhibition on Analytical & Bioanalytical Techniques, Valencia, Spain, 1 - 03 September 2015, pp.124
- XV. **Simultaneous Determination of 17 Beta-estradiol and Drospirenone in Pharmaceutical Preparation by High Performance Liquid Chromatography**  
AYDOĞMUŞ Z., YILMAZ E. M.  
30th International Symposium on Chromatography, Salzburg, Austria, 14 - 18 September 2014, pp.101
- XVI. **A New High Performance Liquid Chromatographic Method for the Determination of Nilotinib in Spiked Plasma and Urine**  
YILMAZ E. M., AYDOĞMUŞ Z.  
5th EuCheMS Chemistry Congress, İstanbul, Turkey, 31 August - 04 September 2014, pp.1314
- XVII. **Topikal Kullanım İçin Lornoksikam Katı Lipit Nanopartikülleri ve Nanoyapılı Lipit Taşıyıcıların Hazırlanması ve Karakterizasyonu**  
ÜNER M., Gönüllü Ü., YENER F. G., Karaman E. F., AYDOĞMUŞ Z.  
2. Kimya Ar-Ge Proje Pazarı, İstanbul, Turkey
- XVIII. **Yüksek Performanslı Sıvı Kromatografisi Kolon Öncesi Türevlendirme ile Nilotinibin Tayini**  
AYDOĞMUŞ Z., Yılmaz E. M.  
Kromatografi 2011 Kongresi, Diyarbakır, Turkey, 7 - 10 September 2011, pp.77
- XIX. **Constituents of the Red Alga Laurencia obtusa**  
Baskan T., Topcu G., Aydogmus Z.  
59th International Congress and Annual Meeting of the Society-for-Medicinal-Plant-and-Natural-Product-Research, Antalya, Turkey, 4 - 09 September 2011, vol.77, pp.1358
- XX. **Development and Validation of a New LC Method Using Fluorescence Detection for Determination of Oseltamivir Phosphate in Capsules**  
AYDOĞMUŞ Z., ÇAĞLAR S.  
5th Black Sea Basin Conference on Analytical Chemistry, Turkey, pp.372-375

## Supported Projects

AYDOĞMUŞ Z., Yolchuyev O., Project Supported by Higher Education Institutions, Budesonidin elektrokimyasal



davranışlarının incelenmesi ve voltammetrik yöntemle miktar tayini, 2020 - 2022

AYDOĞMUŞ Z., Topçu G., Konuklugil B., TÜBİTAK Project, Türkiye Denizlerindeki Bazı Makroalglerin Fitokimyasal İncelenmesi ve Biyoaktif Bileşiklerinin Belirlenmesi, 2018 - 2021

AYDOĞMUŞ Z., Project Supported by Higher Education Institutions, UV Türev Spektroskopisi Yöntemiyle Meloksikam Miktar Tayini, 2013 - 2019

AYDOĞMUŞ Z., YILMAZ E. M., YILDIZ G., Project Supported by Higher Education Institutions, Oksidatif bozunma ürünü varlığında pomalidomidin spektrofotometrik tayini, 2018 - 2018

AYDOĞMUŞ Z., Project Supported by Higher Education Institutions, Dexmedetomidinin Ultra Performanslı Sıvı Kromatografisi ile Tayini, 2018 - 2018

AYDOĞMUŞ Z., YILMAZ E. M., CHERBAL A., Project Supported by Higher Education Institutions, Çeşitli Bitkilerden Fenolik Bileşiklerin HPLC Yöntemi ile Tayin Çalışmaları, 2016 - 2018

AYDOĞMUŞ Z., Project Supported by Higher Education Institutions, Bir karbon pasta elektrodu üzerinde regorafenibin elektrokimyasal özelliklerinin incelenmesi ve ilacın diferansiyel puls voltametri ile katkılı plazma ve idrar örneklerinde tayini, 2017 - 2017

AYDOĞMUŞ Z., Project Supported by Higher Education Institutions, Karbamazepin ve nilotinibin RP-HPLC yöntemiyle yan yana analizi ve ilaç etkileşim çalışmasına uygulanması, 2015 - 2015

AYDOĞMUŞ Z., Project Supported by Higher Education Institutions, Drospirenon ve  $\beta$ -estradiolün UV-türev spektroskopisi ve HPLC yöntemleri ile yan yana tayini, 2013 - 2015

AYDOĞMUŞ Z., Project Supported by Higher Education Institutions, 17-Beta estradiol ve drospirenon ikili karışımın farmasötik preparatlarından HPLC yöntemiyle eş zamanlı tayini, 2014 - 2014

AYDOĞMUŞ Z., Project Supported by Higher Education Institutions, Nilotinibin Plazma ve İdrarda Tayini için Yeni Bir Yüksek Performanslı Sıvı Kromatografisi Yöntemi, 2013 - 2014

AYDOĞMUŞ Z., Project Supported by Higher Education Institutions, Amin grubu içeren ilaç maddelerinin formülasyonlarında ve biyolojik sıvılarda voltammetrik yöntemlerle tayini, 2011 - 2013

AYDOĞMUŞ Z., Project Supported by Higher Education Institutions, Nilotinibin voltammetrik yöntemlerle tayini, 2011 - 2013

AYDOĞMUŞ Z., Project Supported by Higher Education Institutions, Aliskirenin Tabletlerde Tayini İçin Yeni Bir Spektrofluorimetrik Yöntem, 2009 - 2012

AYDOĞMUŞ Z., Project Supported by Higher Education Institutions, Ribavirinin Yüksek Performanslı Sıvı Kromatografisi ve Spektrofluorimetrik Yöntemlerle Miktar Tayini, 2009 - 2011

AYDOĞMUŞ Z., Other International Funding Programs, Application of electrochemical techniques to drug analysis and development of amperometric biosensors based on magnetic microparticles for immunoassay, 2009 - 2010

AYDOĞMUŞ Z., Project Supported by Higher Education Institutions, Amin grubu içeren ilaç etken maddelerin analitik yöntemlerle miktar tayini, 2008 - 2009

AYDOĞMUŞ Z., Project Supported by Higher Education Institutions, Ribavirinin İyon Çifti Ekstraksiyonu ile Spektrofotometrik Miktar Tayini, 2007 - 2009

AYDOĞMUŞ Z., Other International Funding Programs, Oseltamivir Fosfat ve Oseltamivir Karboksilatın Biyolojik Sıvılarda Yüksek Performanslı Sıvı Kromatografisi Yöntemi ile Analizi, 2005 - 2009

AYDOĞMUŞ Z., Other International Funding Programs, Deniz Canlılarının Sekonder Metabolitlerinin İzolasyonu ve Biyolojik Aktivitelerinin Araştırılması, 2005 - 2006

AYDOĞMUŞ Z., Other International Funding Programs, Deniz Organizmalarının Kimyasal ve Biyolojik Yönden İncelenmesi,, 2002 - 2004

AYDOĞMUŞ Z., Other International Funding Programs, Cooperative Biodiversity Group (ICBG),, 2000 - 2004

AYDOĞMUŞ Z., Other International Funding Programs, Meksiletin Hidroklorür'ün İyon Çifti Ekstraksiyonu ile Spektrofotometrik Miktar Tayini, 2000 - 2001

## Activities in Scientific Journals

Journal of Allied Pharmaceutical Sciences, Committee Member, 2018 - Continues

SM Analytical and Bioanalytical Techniques, Committee Member, 2016 - Continues

Journal of Pharmaceutical Sciences and Experimental Pharmacology, Committee Member, 2018 - 2018

Journal of Faculty Pharmacy of Istanbul University, Committee Member, 2014 - 2017

International Scholarly Research Notices, Evaluation Committee Member, 2013 - 2017

## **Memberships / Tasks in Scientific Organizations**

Eczacılar birliđi, Member, 2013 - Continues

Istanbul Üniversitesi, Eczacılık Fakültesi, Mezun ve Mensupları Derneđi, Member, 2013 - Continues

American Association for Cancer Research, Member, 2002 - Continues

## **Scientific Refereeing**

TALANTA, SCI Journal, November 2021

Project Supported by Higher Education Institutions, BAP PhD, Ege University, Turkey, November 2021

CURRENT MEDICINAL CHEMISTRY, SCI Journal, October 2021

ISTANBUL JOURNAL OF PHARMACY, Journal Indexed in SCI-E, August 2020

Project Supported by Higher Education Institutions, BAP MSc, Istanbul Technical University, Turkey, July 2020

LUMINESCENCE, SCI Journal, April 2020

RSC ADVANCES, SCI Journal, March 2020

Project Supported by Higher Education Institutions, BAP Research Project, Anadolu University, Turkey, March 2020

JOURNAL OF AOAC INTERNATIONAL, SCI Journal, February 2020

JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, SCI Journal, January 2020

JOURNAL OF CHROMATOGRAPHY B, SCI Journal, December 2019

RECORDS OF NATURAL PRODUCTS, National Scientific Refreed Journal, November 2019

Project Supported by Higher Education Institutions, BAP Research Project, İstanbul University-Cerrahpaşa, Turkey, May 2019

Project Supported by Other Official Institutions, SANAYİ VE TEKNOLOJİ, Turkey, January 2019

TUBİTAK Project, 1000 - Üniversitelerin Araştırma ve Geliştirme Potansiyelinin Arttırılmasına Yönelik Destek Programı,

TUBİTAK, Turkey, July 2018

## **Scientific Consultations**

Second Mediterranean Pharmacy Congress, Scientific Consultancy, Turkey, 2006 - 2006

## **Metrics**

Publication: 79

Citation (WoS): 749

Citation (Scopus): 711

H-Index (WoS): 16

H-Index (Scopus): 16

## **Congress and Symposium Activities**

Electrochemical Study and Differential Pulse Voltammetric Determination of Regorafenib in Spiked Plasma and Urine at a Carbon Paste Electrode. 3rd International Turkic World Conference on Chemical Sciences and Technologies, Attendee, Baku, Azerbaijan, 2017

DETERMINATION OF EUGENOL IN CLOVES WITH VOLTAMMETRIC TECHNIQUE BY USING A RESIN MODIFIED CARBON PASTE ELECTRODE. 4th International Conference on Methods and Materials for Separation Processes "Separation Science – Theory and Practice 2016 (/)(Yayın No:2941160), Attendee, Poland, 2016  
4th International Conference on Methods and Materials for Separation Processes "Separation Science – Theory and Practice 2016, Attendee, Wroclaw, Poland, 2016  
10th Aegean Analytical Chemistry Days, AACD 2016 (29 Sept-2 Oct) A Spectrophotometric Method for Simultaneous Determination of Nilotinib and Regorafenib, P2-22, Attendee, Çanakkale, Turkey, 2016  
16. Ulusal Kromatografi kongresi , Proteinlerde Tiyollerin Tayini için Gümüş Bazlı Karbon Elektrot Kullanarak Amperometrik Dedeksiyonlu Bir Sıvı Kromatografisi Yöntemi, S13., Attendee, Malatya, Turkey, 2016  
Spectrophotometric Method for Simultaneous Determination of Nilotinib and Regorafenib, Attendee, Çanakkale, Turkey, 2016  
10th Aegean Analytical Chemistry Days, AACD 2016 (29 Sept-2 Oct) Determination of Eugenol by HPLC with Electrochemical Detection in Some Plants, P1-09, Attendee, Çanakkale, Turkey, 2016  
10th Aegean Analytical Chemistry Days (/)(Yayın No:2941195), Attendee, Çanakkale, Turkey, 2016  
6th International Conference and Exhibition on Analytical & Bioanalytical Techniques, Attendee, Valencia, Spain, 2015  
30th International Symposium on Chromatography, Attendee, sazburg, Austria, 2014  
5th EuCheMS chemistry congress, Attendee, İstanbul, Turkey, 2014  
VI. Ulusal Analitik Kimya Kongresi, Mustafa Kemal Üniversitesi, Fen Edebiyat Fakültesi Kimya Bölümü, Attendee, hatay, Turkey, 2012  
Ulusal Analitik Kimya Kongresi, Dicle Üniversitesi, Attendee, Diyarbakır, Turkey, 2011

## Scholarships

2219 -Research foundation, TUBITAK, 2009 - Continues  
Felloship, University, 2002 - Continues

## Non Academic Experience

(Université Libre de Bruxelles, Institut de Pharmacie, Service de Chimie Analytique Instrumentale et Bioelectrochimie)Belçika Brüksel Serbest Üniversitesi, Eczacılık Enstitüsü  
University of Illinois at Chicago, College of Pharmacy, Department of Medicinal Chemistry and Pharmacognosy