

Prof. TUFAN GÜRAY

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: W-7239-2018

ScopusID: 25122436200

Yoksis Researcher ID: 20186

Education Information

Doctorate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Kimya (Dr), Turkey 1999 - 2005

Postgraduate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Kimya (YI) (Tezli), Turkey 1995 - 1999

Undergraduate, Anadolu University, Faculty Of Arts And Sciences, Kimya Pr., Turkey 1989 - 1995

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Vocational Training, "Katılımcı ve Etkin Öğrenme" Eğitimi, Eskişehir Osmangazi Üniversitesi, 2010

Vocational Training, "Öğrenciler Arası İşbirliği Becerileri" eğitimi, Eskişehir Osmangazi Üniversitesi, 2010

Vocational Training, "Öğretim Elemanı Öğrenci İletişimi" eğitimi, Eskişehir Osmangazi Üniversitesi, 2010

Vocational Training, "Öğrenci İlgisi ve Öğrenme" eğitimi, Eskişehir Osmangazi Üniversitesi, 2010

Vocational Training, "Öğretim Tasarımı Eğitim Programı" eğitimi, Eskişehir Osmangazi Üniversitesi, 2010

Dissertations

Doctorate, 2, 2/, 3, 4-tetrahidroksi-3/-sülfo-5/-nitroazobenzen ile alüminyumun spektrofotometrik tayini, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Kimya (Dr), 2005

Postgraduate, Bazı okzolo (4, 5-b) piridin türevlerinin proton alma ve hammett ilişkilerinin yarı deneysel yöntem ile teorik olarak incelenmesi, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Kimya (YI) (Tezli), 1999

Research Areas

Chemistry

Academic Titles / Tasks

Professor, Eskisehir Osmangazi University, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 2020 - Continues
Associate Professor, Eskisehir Osmangazi University, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 2014 - 2020
Assistant Professor, Eskisehir Osmangazi University, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 2012 - 2014
Research Assistant PhD, Eskisehir Osmangazi University, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 2005 - 2012
Research Assistant, Eskisehir Osmangazi University, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 1996 - 2005

Academic and Administrative Experience

Head of Department, Eskisehir Osmangazi University, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 2022 - Continues
Deputy Director of the Center, Eskisehir Osmangazi University, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 2017 - 2020
Fakülte Yönetim Kurulu Üyesi, Eskisehir Osmangazi University, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 2016 - 2019
Deputy Head of Department, Eskisehir Osmangazi University, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 2012 - 2015

Courses

MOLEKÜLER SPEKTROFOTOMETRİ VE ANALİTİK KİMYA UYG., Postgraduate, 2017 - 2018
CE ile Tayin Yöntemleri, Doctorate, 2017 - 2018
Bitki ve Toprak Analizleri, Undergraduate, 2017 - 2018
HPLC İLE TAYİN YÖNTEMLERİ, Doctorate, 2017 - 2018, 2016 - 2017
Adli Analitik Kimya, Undergraduate, 2017 - 2018
Analitik Kimyada Örnek Hazırlama Teknikleri, Postgraduate, 2017 - 2018
Analitik Kimya, Undergraduate, 2017 - 2018
KİMYA LAB., Undergraduate, 2017 - 2018
Aletli Analiz Laboratuvarı, Undergraduate, 2017 - 2018
Analitik Kimya Lab. I, Undergraduate, 2017 - 2018
Spektrofotometrik Tayin Yöntemleri I, Undergraduate, 2017 - 2018, 2016 - 2017
KİMYA, Undergraduate, 2017 - 2018
ATOMİK SPEKTROSKOPİ, Undergraduate, 2016 - 2017
ALETLİ ANALİZ I, Undergraduate, 2016 - 2017
ALETLİ ANALİZ, Undergraduate, 2016 - 2017

Jury Memberships

Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul, December, 2020
Appointment to Academic Staff-Professorship, Appointment Academic Staff, Eskişehir Teknik Üniversitesi, September, 2020
Appointment to Academic Staff-Professorship, Appointment Academic Staff, Kütahya Dumlupınar Üniversitesi, September, 2020
Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul, August, 2020
Doctoral Examination, Doctoral Examination, Eskişehir Teknik Üniversitesi, May, 2019
Post Graduate, Post Graduate, Eskişehir Osmangazi Üniversitesi, February, 2019
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Eskişehir Teknik Üniversitesi, January, 2019
Doctoral Examination, Doctoral Examination, Eskişehir Teknik Üniversitesi, January, 2019
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Eskişehir Osmangazi Üniversitesi, December, 2018
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Eskişehir Osmangazi Üniversitesi, December, 2018

Doctoral Examination, Doctoral Examination, Anadolu Üniversitesi, December, 2017

Post Graduate, Post Graduate, Anadolu Üniversitesi, September, 2017

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Eskişehir Osmangazi Üniversitesi, June, 2017

Doctoral Examination, Doctoral Examination, Eskişehir Osmangazi Üniversitesi, May, 2017

Doctoral Examination, Doctoral Examination, Eskişehir Osmangazi Üniversitesi, January, 2016

Post Graduate, Post Graduate, Eskişehir Osmangazi Üniversitesi, December, 2015

Doctoral Examination, Doctoral Examination, Kütahya Dumlupınar Üniversitesi, December, 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A new chemometrically optimised HPLC method for the simultaneous determination of imatinib mesylate and capecitabine, the active medicinal components**
GÜRAY T., Alper Ş., Uysal U. D.
International Journal of Environmental Analytical Chemistry, 2024 (SCI-Expanded)
- II. **Ultrasound-assisted cloud point microextraction of certain preservatives in real samples and determination by HPLC**
Güray T., Akıl F. H., Uysal Ü. D.
Analytical Methods, vol.14, pp.1031-1040, 2022 (SCI-Expanded)
- III. **Determination of optimization parameters based on the Box-Behnken design for cloud point extraction of quinoline yellow using Brij 58 and application of this method to real samples**
Güray T., Menevse B., Altın Yavuz A.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.243, 2020 (SCI-Expanded)
- IV. **Validated micellar electrokinetic capillary chromatography (MECC) method for determination of 5-hydroxymethylfurfural in honey and comparison with HPLC**
GÜRAY T., Tuncel N. Y., Tuncel M., Uysal U. D.
CHEMICAL PAPERS, vol.73, no.9, pp.2209-2220, 2019 (SCI-Expanded)
- V. **A NEW VALIDATED METHOD FOR DETERMINATION OF ROFLUMILAST IN TABLET BY CZE-UV**
GÜRAY T.
QUIMICA NOVA, vol.42, no.5, pp.522-526, 2019 (SCI-Expanded)
- VI. **Biosorptive detoxification of zearalenone biotoxin by surface-modified renewable biomass: process dynamics and application**
AKAR T., GÜRAY T., Yilmazer D. T., AKAR S.
JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, vol.99, no.4, pp.1850-1861, 2019 (SCI-Expanded)
- VII. **Validated UV-Vis Spectrophotometric Method for the Determination of Copper using 2,3,4,6'-Tetrahydroxy-3'-Sulfoazobenzene in Real Samples**
GÜRAY T., UYSAL Ü. D.
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.40, no.3, pp.529-535, 2018 (SCI-Expanded)
- VIII. **A validated capillary electrophoretic method for the determination of indacaterol and its application to a pharmaceutical preparation**
GÜRAY T., Tuncel M., UYSAL Ü. D.
JOURNAL OF FOOD AND DRUG ANALYSIS, vol.26, no.2, pp.842-848, 2018 (SCI-Expanded)
- IX. **HPLC fluorescence determination of ochratoxin A utilizing a double internal standard and its application to poultry feed**
Tuncel M., Oncu Kaya E. M., UYSAL Ü. D., GÜRAY T.
TURKISH JOURNAL OF CHEMISTRY, vol.39, no.2, pp.372-381, 2015 (SCI-Expanded)
- X. **DETERMINATION OF ZEARELENONE BY THE CAPILLARY ZONE ELECTROPHORESIS-UV DETECTION AND ITS APPLICATION TO POULTRY FEED AND CEREALS**
GÜRAY T., Tuncel M., UYSAL Ü. D., Oncu-Kaya E. M.

JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES, vol.36, no.10, pp.1366-1378, 2013 (SCI-Expanded)

- XI. **A Rapid Determination of Patulin Using Capillary Zone Electrophoresis and its Application to Analysis of Apple Juices**
GÜRAY T., Tuncel M., UYSAL Ü. D.
JOURNAL OF CHROMATOGRAPHIC SCIENCE, vol.51, no.4, pp.310-317, 2013 (SCI-Expanded)
- XII. **Rapid direct spectrophotometric determination of zirconium(IV) in alloys with 2,2',3,4-tetrahydroxy-3'-sulpho-5'-carboxyazobenzene reagent**
UYSAL Ü. D., Huseyinli A. A., GÜRAY T.
JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH, vol.70, no.1, pp.45-50, 2011 (SCI-Expanded)
- XIII. **Synthesis and spectrophotometric determination of acidity constants of 2,3,4,6'-tetrahydroxy-3'-sulfoazobenzene and their use in determination of aluminum**
GÜRAY T., Ogretir C., Gedikbey T., Huseyinli A. A.
TURKISH JOURNAL OF CHEMISTRY, vol.35, no.2, pp.291-305, 2011 (SCI-Expanded)
- XIV. **Spectrophotometric determination of aluminium and indium with 2,2',3,4-tetrahydroxy-3',5'-disulphoazobenzene**
Huseyinli A. A., Alieva R., Hacıyeva S., Gueray T.
JOURNAL OF HAZARDOUS MATERIALS, vol.163, pp.1001-1007, 2009 (SCI-Expanded)
- XV. **Determination of parabens in pharmaceutical and cosmetic products by capillary electrophoresis**
Uysal U. D., Gueray T.
JOURNAL OF ANALYTICAL CHEMISTRY, vol.63, no.10, pp.982-986, 2008 (SCI-Expanded)
- XVI. **Quantum chemical studies on protonation of some substituted thiazole derivatives**
Gueray T., Acikkalp E., Ogretir C., Yarligan S.
JOURNAL OF MOLECULAR GRAPHICS & MODELLING, vol.26, no.1, pp.154-165, 2007 (SCI-Expanded)
- XVII. **2,2',3,4-Tetrahydroxy-3'-sulpho-5'-nitroazobenzene for spectrophotometric determination of aluminium in pharmaceutical suspensions and granite**
Guray T., Uysal U., Gedikbey T., Huseyinli A.
ANALYTICA CHIMICA ACTA, vol.545, no.1, pp.107-112, 2005 (SCI-Expanded)
- XVIII. **Investigation of the acidity constants and Hammett relations of some oxazolo[4,5-b]pyridin derivatives using semiempirical AM1 quantum chemical calculation method**
Ogretir C., Acikkalp E., Guray T.
JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM, vol.538, pp.107-116, 2001 (SCI-Expanded)

Articles Published in Other Journals

- I. **Determination Of Biological Activity of The of Azadiracta Indica A. Juss. Grown In Somalia**
Güray T.
International Journal of Scientific Research in Chemistry, vol.7, no.1, pp.1-14, 2022 (Peer-Reviewed Journal)
- II. **A new spectrophotometric study with ortho hydroxy schiff base for the determination of aluminum in drug**
Güray T., Ercengiz D., Uysal Ü. D.
Cumhuriyet Science Journal, vol.41, no.2, pp.456-461, 2020 (Peer-Reviewed Journal)
- III. **Bulutlanma Noktası Ekstraksiyonu ile Zenginleştirildikten Sonra Ponceau 4R'nin Şurup ve Meyve Şekerinde Spektrofotometrik Tayini**
GÜRAY T., ALPER Ş.
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.8, no.4, pp.1243-1249, 2019 (Peer-Reviewed Journal)
- IV. **Bir Hidroksiazo Bileşiği Kullanarak Gerçek Örneklerde Nikelin Eser Miktarlarının Spektrofotometrik Tayini**
GÜRAY T.
Suleyman Demirel University Journal of Natural and Applied Sciences, vol.23, no.3, pp.673-678, 2019 (Peer-

Reviewed Journal)

V. Spectrophotometric Determination of Sunset Yellow (E-110) in Powdered Beverages and Pharmaceutical Preparations after Cloud Point Extraction Method

GÜRAY T.

Journal of the Turkish Chemical Society, Section A: Chemistry, vol.5, no.2, pp.479-492, 2018 (Scopus)

Books & Book Chapters

I. Kantitatif Analiz Laboratuvar Kitabı

Gedikbey T., Akar S., Birlik Özkütük E., Güray T., Sayın F.

ESOGÜ Basımevi, Eskişehir, 2023

II. Kalitatif Analiz Laboratuvar Kitabı

Gedikbey T., Akar S., Birlik Özkütük E., Güray T., Sayın F.

ESOGÜ Basımevi, Eskişehir, 2023

Supported Projects

GÜRAY T., UYSAL Ü. D., Project Supported by Higher Education Institutions, Rorlumilast'ın İlaçlarda Tayini İçin Kapiler Elektroforez Kullanarak Yeni Yöntem Geliştirilmesi, 2017 - 2019

Güray T., Project Supported by Higher Education Institutions, "Roflumilast'ın İlaçlarda Tayini için Kapiler Elektroforez Kullanarak Yeni Yöntem Geliştirilmesi", 2017 - 2018

Akar T., Akar S., Güray T., Sayın F., Project Supported by Higher Education Institutions, Zearalenon'un Şeker Üretim Prosesinden Elde Edilen Modifiye Atık Biyokütle Üzerine Biyosorpsiyonu, 2017 - 2018

Güray T., Uysal Ü. D., Project Supported by Higher Education Institutions, Sübstitüe 2 aminofenol ile sübstitüe hidroksi benzaldehit türevi bileşiklerinden oluşan bazı Schiff bazlarının sentezi spektroskopik çalışması ve çeşitli numunelerde metal tayininde kullanımının araştırılması Anadolu Üniversitesi BAP 1509F633, 2015 - 2018

Güray T., Project Supported by Higher Education Institutions, Olapatadin HCl nin İlaçlarda Tayini İçin Kapiler Elektroforez Kullanarak Yeni Yöntem Geliştirilmesi, 2014 - 2016

Güray T., Yaman M., Project Supported by Other Official Institutions, Yeni tip Schiff bazların ve Azoboyarların sentezi ve karakterizasyonu, 2010 - 2011

GÜRAY T., Project Supported by Higher Education Institutions, Patulin ve Zearalenon Mikotoksinlerinin Kapiler Elektroforez ile Çeşitli Gıda Alkolsüz İçecek ve Yem Örneklerinde Tayini, 2007 - 2011

GÜRAY T., Project Supported by Higher Education Institutions, Alüminyum iyonu Al³⁺ tayini için pirogallol yardımıyla yeni 5 sübstitüe 2 3 4 6 tetrahidroksi 3 sülfazobenzen türevlerinin sentezi ve onların oluşturabileceği kompleks bileşiklerinin sentezi, 2003 - 2006

Activities in Scientific Journals

Science Journal of Chemistry (SJC), Committee Member, 2020 - Continues

Scientific Refereeing

NEW JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, December 2021

Journal of Pharmaceutical Research International, Journal Indexed in ESCI, December 2021

Indian Journal of Pharmaceutical Education and Research, Other Indexed Journal, November 2021

JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, Journal Indexed in SCI-E, September 2021

Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, Other Indexed Journal, May 2021

Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, October 2019

JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, Journal Indexed in SCI-E, September 2019
NEW JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, December 2018
TALANTA, SCI Journal, June 2018
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, Journal Indexed in SCI-E, May 2018
EURASIAN JOURNAL OF ANALYTICAL CHEMISTRY, Other Indexed Journal, November 2017
WORLD MYCOTOXIN JOURNAL, Journal Indexed in SCI-E, September 2017
TALANTA, SCI Journal, November 2016
ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY –A, Other Indexed Journal, October 2016
ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY –A, Other Indexed Journal, October 2016
TALANTA, SCI Journal, February 2016
TALANTA, SCI Journal, December 2015
TALANTA, SCI Journal, July 2015
ANALYTICAL METHODS, SCI Journal, May 2015
TALANTA, SCI Journal, May 2015
TALANTA, SCI Journal, January 2015
TALANTA, SCI Journal, August 2013
SEPARATION SCIENCE AND TECHNOLOGY, SCI Journal, March 2013
TALANTA, SCI Journal, May 2012
INTERNATIONAL JOURNAL OF FOOD SCIENCES AND NUTRITION, SCI Journal, October 2011
JOURNAL OF HAZARDOUS MATERIALS, SCI Journal, June 2010
Journal Of Hazardous Materials, SCI Journal, April 2010
TALANTA, SCI Journal, June 2009
Environmental Monitoring And Assessment, SCI Journal, June 2009
ENVIRONMENTAL MONITORING AND ASSESSMENT, SCI Journal, February 2009
JOURNAL OF HAZARDOUS MATERIALS, SCI Journal, November 2008
JOURNAL OF HAZARDOUS MATERIALS, SCI Journal, November 2008
ENVIRONMENTAL MONITORING AND ASSESSMENT, SCI Journal, September 2008
JOURNAL OF HAZARDOUS MATERIALS, SCI Journal, August 2008
International Journal Of Environmental Analytical Chemistry, SCI Journal, March 2008

Metrics

Publication: 65

Citation (WoS): 185

Citation (Scopus): 196

H-Index (WoS): 7

H-Index (Scopus): 7