

Assoc. Prof. Funda Aydın

Personal Information

Office Phone: [+90 432 444 5065](tel:+904324445065) Extension: 21079

Email: faydin@yyu.edu.tr

Web: <http://avesis.yyu.edu.tr/faydin/kimlik>

Address: Van Yüzüncü Yıl Üniversitesi, Eczacılık Fakültesi, Temel Bilimler Anabilim Dalı, 65080, Tuşba, VAN

International Researcher IDs

ORCID: 0000-0002-5484-9435

Publons / Web Of Science ResearcherID: W-3076-2017

ScopusID: 36912319800

Yoksis Researcher ID: 13613

Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Kimya, Turkey 2002 - 2008

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Kimya, Turkey 1998 - 2000

Undergraduate, Erciyes University, Fen Fakültesi, Kimya , Turkey 1994 - 1998

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Birlikte çöktürme ve katı faz özütlemesi ile bazı ağır metal iyonlarının zenginleştirilmeleri, Erciyes University, Fen Bilimleri Enstitüsü, Kimya, 2008

Postgraduate, Kolonda katı faz özütleme ile bazı eser elementlerin zenginleştirilmesi, Erciyes University, Fen Bilimleri Enstitüsü, Kimya, 2000

Research Areas

Chemistry, Analytical Chemistry, Adsorption Spectroscopy, Atomic and Molecular Spectroscopy, Separation Methods, Spectroscopical Methods, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Van Yüzüncü Yıl University, Eczacılık Fakültesi, Eczacılık Temel Bilimleri, 2018 - Continues

Assistant Professor, Van Yüzüncü Yıl University, Eczacılık Fakültesi, Eczacılık Temel Bilimleri, 2013 - 2018

Research Assistant, Erciyes University, Yozgat Fen Edebiyat Fakültesi, Kimya, 2000 - 2002

Academic and Administrative Experience

Van Yüzüncü Yıl University, Eczacılık Fakültesi, Eczacılık Temel Bilimleri Bölümü, 2019 - Continues
Van Yüzüncü Yıl University, Eczacılık Fakültesi, Eczacılık Temel Bilimleri Bölümü, 2013 - Continues

Courses

Genel Kimya, Undergraduate, 2022 - 2023
Mesleki İngilizce, Undergraduate, 2022 - 2023
Kütle Spektroskopisi, Postgraduate, 2014 - 2015, 2013 - 2014
Moleküler Spektroskopik Teknikler, Postgraduate, 2014 - 2015
Analitik Kimya I , Undergraduate, 2014 - 2015
Kimyasal Türleme İle Metal Zenginleştirilmesi , Undergraduate, 2014 - 2015
Kromatografik Yöntemler, Undergraduate, 2014 - 2015
Analitik Kimya Lab I (Nicel Analiz), Undergraduate, 2014 - 2015
Analitik Kimya Lab I (Nitel Analiz), Undergraduate, 2014 - 2015, 2013 - 2014
Analitik Kimya II , Undergraduate, 2014 - 2015
Atomik Spektroskopik Teknikler, Postgraduate, 2014 - 2015
Ayırma ve Zenginleştirme Yöntemleri, Postgraduate, 2013 - 2014
Analitik Kimya Lab II (Nicel Analiz), Undergraduate, 2013 - 2014

Jury Memberships

Post Graduate, Post Graduate, Kocaeli Üniversitesi, June, 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **TiO₂@ZnO nanocomposite: bifunctional material for solid phase extraction of U(VI) and Th(IV) and photocatalytic degradation of organic contaminant**
Aydın F., YILMAZ E., Demirkiran G., Erbaş Z., Vurucuel M., SOYLAK M.
Journal of Radioanalytical and Nuclear Chemistry, vol.332, no.10, pp.3879-3892, 2023 (SCI-Expanded)
- II. **Therapeutic potential of hesperidin: Apoptosis induction in breast cancer cell lines**
ÖNDER G. Ö., GÖKTEPE Ö., BARAN M., BİTGEN N., Aydin F., YAY A. H.
Food and Chemical Toxicology, vol.176, 2023 (SCI-Expanded)
- III. **Comprehensive natural radioactivity and pollution risk assessments of aquatic media and sediment in Lake Van (Türkiye)**
Selçuk Zorer Ö., Özgen E., Şen F., Elp M., Aydin F., Bora G., Özdemir Ö. F., Çavuş A., Atıcı A. A., Bozlar Pınaroglu B.
MARINE POLLUTION BULLETIN THE INTERNATIONAL JOURNAL FOR MARINE ENVIRONMENTALISTS, SCIENTISTS, ENGINEERS, ADMINISTRATORS, POLITICIANS AND LAWYERS, vol.0, no.Accepted Paper, 2023 (SCI-Expanded)
- IV. **Silica Gel-Immobilized 5-aminoisophthalohydrazide: A novel sorbent for solid phase extraction of Cu, Zn and Pb from natural water samples**
Aydın F., ÇAKMAK R., LEVENT A., SOYLAK M.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.34, no.4, 2020 (SCI-Expanded)
- V. **Raman spectroscopy: A novel experimental approach to evaluating cisplatin induced tissue damage**
Yay A., ÖNSES M. S., Sahmetlioglu E., Ceyhan A., PEKDEMİR S., ÖNDER G. Ö., SEZER G., SOYER SARICA Z., Aydin F.
TALANTA, vol.207, 2020 (SCI-Expanded)
- VI. **Cu₂O-CuO ball like/multiwalled carbon nanotube hybrid for fast and effective ultrasound-assisted solid phase extraction of uranium at ultra-trace level prior to ICP-MS detection**
Aydın F., YILMAZ E., Olmez E., SOYLAK M.
TALANTA, vol.207, 2020 (SCI-Expanded)

- VII. **Vortex assisted deep eutectic solvent (DES)-emulsification liquid-liquid microextraction of trace curcumin in food and herbal tea samples**
Aydin F., YILMAZ E., SOYLAK M.
FOOD CHEMISTRY, vol.243, pp.442-447, 2018 (SCI-Expanded)
- VIII. **A simple and novel deep eutectic solvent based ultrasound-assisted emulsification liquid phase microextraction method for malachite green in farmed and ornamental aquarium fish water samples**
Aydin F., YILMAZ E., SOYLAK M.
MICROCHEMICAL JOURNAL, vol.132, pp.280-285, 2017 (SCI-Expanded)
- IX. **Ultrasonic-assisted supramolecular solvent-based liquid phase microextraction of mercury as 1-(2-pyridylazo)-2-naphthol complexes from water samples**
Aydin F., YILMAZ E., SOYLAK M.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.96, no.14, pp.1356-1366, 2016 (SCI-Expanded)
- X. **Supramolecular solvent-based microextraction method for cobalt traces in food samples with optimization Plackett-Burman and central composite experimental design**
Aydin F., YILMAZ E., SOYLAK M.
RSC Advances, vol.5, no.115, pp.94879-94886, 2015 (SCI-Expanded)
- XI. **Supramolecular solvent-based dispersive liquid-liquid microextraction of copper from water and hair samples**
Aydin F., YILMAZ E., SOYLAK M.
RSC Advances, vol.5, no.50, pp.40422-40428, 2015 (SCI-Expanded)
- XII. **Separation, preconcentration and inductively coupled plasma-mass spectrometric (ICP-MS) determination of thorium(IV), titanium(IV), iron(III), lead(II) and chromium(III) on 2-nitroso-1-naphthol impregnated MCI GEL CHP20P resin**
Aydin F., SOYLAK M.
JOURNAL OF HAZARDOUS MATERIALS, vol.173, pp.669-674, 2010 (SCI-Expanded)
- XIII. **The Effects of Lithology on Water Pollution: Natural Radioactivity and Trace Elements in Water Resources of Eskisehir Region (Turkey)**
Yuce G., Ugurluoglu D., DILAVER A. T., ESER T., SAYIN M., Donmez M., OZCELIK S., Aydin F.
WATER AIR AND SOIL POLLUTION, vol.202, pp.69-89, 2009 (SCI-Expanded)
- XIV. **Thulium hydroxide: A new coprecipitant for speciation of chromium in natural water samples**
Aydin F., SOYLAK M.
JOURNAL OF HAZARDOUS MATERIALS, vol.162, pp.1228-1232, 2009 (SCI-Expanded)
- XV. **A novel multi-element coprecipitation technique for separation and enrichment of metal ions in environmental samples**
Aydin F., SOYLAK M.
TALANTA, vol.73, no.1, pp.134-141, 2007 (SCI-Expanded)
- XVI. **Solid phase extraction and preconcentration of uranium(VI) and thorium(IV) on Duolite XAD761 prior to their inductively coupled plasma mass spectrometric determination**
Aydin F., SOYLAK M.
TALANTA, vol.72, no.1, pp.187-192, 2007 (SCI-Expanded)
- XVII. **Solid phase extraction of some metal ions on Diaion-20 resin prior to flame atomic absorption spectrometric analysis**
Armagan F., SOYLAK M., ELCI L., DOGAN M.
JOURNAL OF TRACE AND MICROPROBE TECHNIQUES, vol.20, no.1, pp.15-27, 2002 (SCI-Expanded)
- XVIII. **Chemical analysis of drinking water samples from Yozgat, Turkey**
SOYLAK M., Aydin F., SARACOGLU S., ELCI L., DOGAN M.
POLISH JOURNAL OF ENVIRONMENTAL STUDIES, vol.11, no.2, pp.151-156, 2002 (SCI-Expanded)
- XIX. **A new preconcentration and separation method for flame atomic absorption spectrometric determinations of some trace metal ions on a Diaion HP-20 column**
SOYLAK M., Armagan F., ELCI L., DOGAN M.

Articles Published in Other Journals

- I. Caffeine Increased Antitumor Effects of Paclitaxel (PTX) in MCF-7 and MDA-MB-231 Breast Cancer Cells
Aydin F., ÖNDER G. Ö., GÖKTEPE Ö., BİTGEN N.
Journal of Research in Pharmacy, vol.27, no.6, pp.2242-2249, 2023 (ESCI)
- II. Van Caldırı̄an Ovası Yüzey Sularının İçme ve Sulama Suyu Açısından İncelenmesi
Aydin F.
İĞDIR ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.7, no.3, pp.171-179, 2017 (Peer-Reviewed Journal)

Books & Book Chapters

- I. Kantitatif Analiz Laboratuvar Uygulamaları
Yardim Y., KESKİN E., Aydin F., Subak H., Erşen Dudu T.
Yüzüncü Yıl Üniversitesi Yayımları, Van, 2016
- II. Titrimetrik Analiz, Gravimetrik Analiz, Tampon çözeltiler
Yardim Y., Keskin E., Aydin F., Subak H., Erşen Dudu T.
in: Kantitatif Analiz Laboratuvar Uygulamaları, Yardim Y., Keskin E. , Editor, Yüzüncü Yıl Üniversitesi, Van, pp.15-53, 2016

Refereed Congress / Symposium Publications in Proceedings

- I. Lipid-MOF Composites As Potential Drug Delivery Systems
Cano-Sarabia M., Meng L., Aydin F., Gil-Bonillo M., Imaz I., Maspoch D.
5th European Conference on Metal Organic Frameworks and Porous Polymers, Granada, Spain, 24 - 27 September 2023, pp.1-644
- II. Development of A New Liquid-Phase Microextraction Method based on The use of Menthol/Decanoic Acid Hydrophobic Eutectic Solvent for Determination of basic Fuchsin Dye in Water
Aydin F., Alkan V.
Global Summit on Advanced Materials and Sustainable Energy (G-AMSE22) , Van, Turkey, 3 - 04 October 2022, pp.234-235
- III. The application of TiO₂/ZnO nanocomposite as a new trapping media for solid phase extraction of U And Th
Aydin F., Yılmaz E., DEMİRKIRAN G., ERBAŞ Z., SOYLAK M.
International Academic Conference on Applied Research in Engineering, Science & Technology, Brussels, Belgium, 14 - 15 September 2018, pp.29
- IV. Multiwalled carbon nanotube/CuO/Cu₂O hybrid material as a novel sorbent for fast and effective vortex-assisted solid phase extraction of uranium for ICP-MS detection
Aydin F., YILMAZ E., ÖLMEZ E., SOYLAK M.
International Trace Analysis Congress, ITAC 2018, Sivas, Turkey, 20 - 23 June 2018, pp.37
- V. Van Gölü Hidrojeokimyası ve Su Kirliliği Değerlendirmesi
Aydin H., Öğün E., Aydin F., Selçuk Zorer Ö., Atıcı A. A., Çavuş A., Özdemir Ö. F., Bora G., Bozlar Pınaroğlu B., Şen F., et al.
Ulusal Çevre, Deniz ve Kıyı Kirliliği Sempozyumu (UCEDKKS), Bursa, Turkey, 10 - 12 October 2017, vol.000, no.0
- VI. Synthesis, Characterization and Application for Solid Phase Extraction of Trace Metals Combined with FAAS of a New Silica Gel-immobilized Schiff Base Derivative

- Aydın F., Çakmak R., Levent A.
5th International Caucasian Symposium on Polymers and Advanced Materials, Tiflis, Georgia, 2 - 05 July 2017,
pp.15
- VII. **A Novel Technique Based on the Using of Deep Eutectic Solvents (DESSs) as Liquid Phase Microextraction Solvent for Determination of Malachite Green Residues in Aquarium and Fish Farm Waters**
Aydın F., Yılmaz E., Soylak M.
"The 7th International Conference on Optical Spectroscopy, Laser & Their Applications, Kahire, Egypt, 18 - 20 October 2016, vol.1, pp.25
- VIII. **Icp-Oes İle Sığır Kılı Cr, Fe, Cu, Mn, Zn Ve Ni Düzeylerinin Belirlenmesinde Farklı Ön İşlem Tekniklerinin Karşılaştırılması**
Yücel U. M., Aydin F., Atasoy N.
V. Ulusal Veteriner Farmakoloji ve Toksikoloji Kongresi, Bursa, Turkey, 1 - 04 September 2016, vol.1, pp.25-26
- IX. **The Using of Deep Eutectic Solvents (DESSs) in Spectrophotometric Determination of Curcumin**
Aydın F., Yılmaz E., Soylak M.
1st International Black Sea Congress on Environmental Sciences (1st IBCESS), Giresun, Turkey, 31 August - 03 September 2016, vol.1, pp.200
- X. **Derin Ötektik Çözücü Esaslı Sıvı Faz Mikroekstraksiyonu İle Malahit Yeşilinin Ayrılması ve Zenginleştirilmesi**
Aydın F., Yılmaz E., Soylak M.
IV. Eser Analiz (EsAn-2016) Kongresi, Sakarya, Turkey, 18 - 22 May 2016, vol.1, pp.23

Supported Projects

- Aydın F., Project Supported by Higher Education Institutions, HPLC ile İlaç Etken Madde Tayini İçin Yeni Bir Mikroekstraksiyon Metodunun Geliştirilmesi, 2019 - 2020
- Aydın F., DEMİRKIRAN G., Project Supported by Higher Education Institutions, Ultra Eser Düzeydeki Uranyum ve Toryumun Katı Faz Ekstraksiyonu, 2018 - 2019
- Aydın F., Project Supported by Higher Education Institutions, U ve Th'un Katı Faz Ekstraksiyonu İçin Yeni Bir Adsorban Olarak TiO₂/ZnO Nanokompozitinin Uygulanması, 2018 - 2018
- Aydın F., Project Supported by Higher Education Institutions, Eser Analit İyonlarının Tayinleri Öncesi Yeni Ekstraksiyon Yöntemlerinin Geliştirilmesi, 2017 - 2018
- Aydın F., Project Supported by Higher Education Institutions, Alevli Atomik Absorpsiyon Spektroskopisi (FAAS) cihazının tamir ve bakımı, 2017 - 2017
- Aydın F., Project Supported by Higher Education Institutions, Eczacılık Temel Bilimleri Araştırma Laboratuvarının Altyapısının Geliştirilmesi, 2016 - 2017
- Öğün E., Bozlar Pınarbaşı B., SOLMAZ H., ELP M., Özdemir Ö. F., Selçuk Zorer Ö., Şen F., Aydin F., Bora G., Gültekin A., et al., Project Supported by Higher Education Institutions, Van Gölünün Mikrobiyolojik, Kimyasal ve Radyoaktif Kirlilik Düzeyinin Araştırılması, 2014 - 2017
- Aydın F., Project Supported by Higher Education Institutions, The 7th International Conference on Optical Spectroscopy Laser Their Applications, 2016 - 2016
- Aydın F., Project Supported by Higher Education Institutions, Metal İyonlarının Misel Oluşumlu Supramoleküler Solvent Bazlı Dispersif Mikroekstraksiyon (SB-DSSME) Tekniği ile Ekstraksiyonu ve Spektrofotometrik Tayinleri, 2014 - 2016

Scientific Refereeing

- MICROCHEMICAL JOURNAL, National Scientific Refreed Journal, August 2023
CUKUROVA MEDICAL JOURNAL, National Scientific Refreed Journal, August 2023
Journal of Environmental Monitoring and Assesment, SCI Journal, April 2023

International Journal of Chemistry and Technology (IJCT), SCI Journal, April 2023

RSC ADVANCES, SCI Journal, March 2023

CEUKUROVA MEDICAL JOURNAL, National Scientific Refreed Journal, January 2023

JOURNAL OF RESEARCH IN PHARMACY, National Scientific Refreed Journal, December 2022

JOURNAL OF FOOD COMPOSITION AND ANALYSIS, National Scientific Refreed Journal, August 2022

Human and Experimental Toxicology, SCI Journal, February 2019

RSC Advances, SCI Journal, December 2018

Mediterranean Journal of Chemistry, Other Indexed Journal, August 2017

Turkish Journal of Chemistry, SCI Journal, July 2016

Turkish Journal of Chemistry, SCI Journal, June 2016

Food Analytical Methods , SCI Journal, March 2016

Metrics

Publication: 33

Citation (WoS): 1018

Citation (Scopus): 1046

H-Index (WoS): 14

H-Index (Scopus): 14

Congress and Symposium Activities

The Application of TiO₂/ZnO Nanocomposite As A New Trapping Media For Solid Phase Extraction of U And Th, Attendee, Brussels, Belgium, 2018

Multiwalled carbon nanotube/CuO/Cu₂O hybrid material as a novel sorbent for fast and effective vortex-assisted solid phase extraction of uranium for ICP-MS detection, Attendee, Sivas, Turkey, 2018

Synthesis, characterization , and application for solid phase extraction of trace metals combined with faas of a new silica gel-immobilized schiff base derivative, Attendee, Tbilisi, Georgia, 2017

A Novel Technique Based on the Using of Deep Eutectic Solvents (DESSs) as Liquid Phase Microextraction Solvent for Determination of Malachite Green Residues in Aquarium and Fish Farm Waters, Attendee, Al-Qahira, Egypt, 2016

The Using of Deep Eutectic Solvents (DESSs) in Spectrophotometric Determination of Curcumin, Attendee, Giresun, Turkey, 2016

Derin Ötektik Çözücü Esası Sıvı Faz Mikroekstraksiyonu İle Malahit Yeşilinin Ayrılması ve Zenginleştirilmesi, Attendee, Sakarya, Turkey, 2016

Spectrophotometric Determination Of Mercury After Supramolecular Solvent-Based Microextraction (Ss-Me) İn Environmental Samples, Attendee, Varna, Bulgaria, 2015

Subramoleküler Solvent Bazlı Mikro Ekstraksiyon (SUSME) Tekniği Kullanarak Kobalt'ın Zenginleştirilmesi Sonrası Alevli Atomik Absorpsiyon Spektrometresi ile Tayini, Attendee, K.Maraş, Turkey, 2014

Supramoleküler Solvent Bazlı Mikro Ekstraksiyon (Susme) Tekniği Kullanılarak Cu(II) İyonunun Mikroekstraksiyonu ve FAAS İle Tayini, Attendee, Tokat, Turkey, 2014

1-Nitroso-2-Naftol ile Doyurulmus MCI GEL CHP20P Recinesi ile U(VI), Th(IV), Ti(IV), Fe(III), Pb(II) ve Cr(III) Metallerinin Zenginleştirilmesi ve ICP-MS ile Tayinleri, Attendee, İzmir, Turkey, 2007

Uranyum ve Toryum'un Duolit XAD 761 Reçinesi ile Katı Faz Ekstraksiyonu ve ICP-MS ile Tayinleri, Attendee, Çanakkale, Turkey, 2006

Bazı Ağır Metal İyonlarının Birlikte Çöktürme Yöntemi ile Zenginleştirilmeleri, Attendee, Kayseri, Turkey, 2006

Eser Elementlerin Ayrılması ve Zenginleştirilmesi, Attendee, Antalya, Turkey, 2003

Column Chromatographic Preconcentration and Separation of Some Metal Ions on Diaion HP-20 Resin, Attendee, Balıkesir, Turkey, 2000

Determination of Some Metal Ions by AAS in Baking Powder and Baking Soda Samples after Preconcentration and

Separation, Attendee, Balıkesir, Turkey, 2000

Tokat İl Merkezi Serum Bakır ve Cinko Duzeyleri, Attendee, Turkey, 2000

HP-20 Reçinesi Dolgulu Mini Kolonlarda Bakır ve Nikelin Zenginleştirilmesi, Attendee, Diyarbakır, Turkey, 2000

Awards

Aydın F., Best Poster Award, 7th Black Sea Basin Conference On Analytical Chemistry (7th BBCAC), September 2015

Non Academic Experience

Other Public Institution, Sbü Van Eğitim Ve Araştırma Hastanesi

Other Public Institution, Devlet Su İşleri, XVII. Bölge Müdürlüğü

Devlet Su İşleri Genel Müdürlüğü XVII. Bölge Müdürlüğü

Other Public Institution, Devlet Su İşleri Genel Müdürlüğü

Devlet Su İşleri, Teknik Araştırma ve Kalite Kontrol Dairesi Başkanlığı