

Assoc. Prof. Funda Aydın

Personal Information

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

Education Information

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

Post Graduate, Erciyes University, Fen Bilimleri Enstitüsü, Kimya, Turkey 1998 - 2000

Under Graduate, 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

Post Graduate, 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 Bölümü, 2018 - Continues

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

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

Professional Experience

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

Head of Department, Van Yüzüncü Yıl University, Eczacılık Fakültesi, Eczacılık Temel Bilimleri Bölümü, 2013 - Continues

Courses

Moleküler Spektroskopik Teknikler, Post Graduate, 2014 - 2015
Analitik Kimya I , Under Graduate, 2014 - 2015
Kimyasal Türleme İle Metal Zenginleştirilmesi , Under Graduate, 2014 - 2015
Kromatografik Yöntemler, Under Graduate, 2014 - 2015
Analitik Kimya Lab I (Nicel Analiz), Under Graduate, 2014 - 2015
Atomik Spektroskopik Teknikler, Post Graduate, 2014 - 2015
Ayrırma ve Zenginleştirme Yöntemleri, Post Graduate, 2013 - 2014
Analitik Kimya Lab II (Nicel Analiz), Under Graduate, 2013 - 2014

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **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, 2020 (Journal Indexed in SCI)
- II. **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 (Journal Indexed in SCI)
- III. **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., Aydın F.
TALANTA, vol.207, 2020 (Journal Indexed in SCI)
- IV. **Vortex assisted deep eutectic solvent (DES)-emulsification liquid-liquid microextraction of trace curcumin in food and herbal tea samples**
Aydın F., YILMAZ E., SOYLAK M.
FOOD CHEMISTRY, vol.243, pp.442-447, 2018 (Journal Indexed in SCI)
- V. **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**
Aydın F., YILMAZ E., SOYLAK M.
MICROCHEMICAL JOURNAL, vol.132, pp.280-285, 2017 (Journal Indexed in SCI)
- VI. **Ultrasonic-assisted supramolecular solvent-based liquid phase microextraction of mercury as 1-(2-pyridylazo)-2-naphthol complexes from water samples**
Aydın F., YILMAZ E., SOYLAK M.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.96, no.14, pp.1356-1366, 2016 (Journal Indexed in SCI)
- VII. **Supramolecular solvent-based microextraction method for cobalt traces in food samples with optimization Plackett-Burman and central composite experimental design**
Aydın F., YILMAZ E., SOYLAK M.
RSC Advances, vol.5, no.115, pp.94879-94886, 2015 (Journal Indexed in SCI)
- VIII. **Supramolecular solvent-based dispersive liquid-liquid microextraction of copper from water and hair samples**
Aydın F., YILMAZ E., SOYLAK M.
RSC Advances, vol.5, no.50, pp.40422-40428, 2015 (Journal Indexed in SCI)
- IX. **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**
Aydın F., SOYLAK M.
JOURNAL OF HAZARDOUS MATERIALS, vol.173, pp.669-674, 2010 (Journal Indexed in SCI)
- X. **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 (Journal Indexed in SCI)

- XI. **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 (Journal Indexed in SCI)
- XII. **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 (Journal Indexed in SCI)
- XIII. **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 (Journal Indexed in SCI)
- XIV. **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 (Journal Indexed in SCI)
- XV. **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 (Journal Indexed in SCI)
- XVI. **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.
ANNALI DI CHIMICA, vol.91, pp.637-647, 2001 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Van Çaldıran Ovası Yüzey Sularının İçme ve Sulama Suyu Açısından İncelenmesi**
Aydin F.
IĞDIR ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.7, no.3, pp.171-179, 2017 (National Refreed University Journal)

Books & Book Chapters

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

Refereed Congress / Symposium Publications in Proceedings

- I. **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

II. **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**

Aydın F., YILMAZ E., ÖLMEZ E., SOYLAK M.

International Trace Analysis Congress, ITAC 2018, Sivas, Turkey, 20 - 23 June 2018, pp.37

III. **Van Gölü Hidrojeokimyası ve Su Kirliliği Değerlendirmesi**

Aydın H., Öğün E., Aydın 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

IV. **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

V. **A Novel Technique Based on the Using of Deep Eutectic Solvents (DESS) 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

VI. **Icp-Oes İle Sığır Kılı Cr, Fe, Cu, Mn, Zn Ve Ni Düzeylerinin Belirlenmesinde Farklı Ön İşlem Tekniklerinin Karşılaştırılması**

Yücel U. M., Aydın F., Atasoy N.

V. Ulusal Veteriner Farmakoloji ve Toksikoloji Kongresi, Bursa, Turkey, 1 - 04 September 2016, vol.1, pp.25-26

VII. **The Using of Deep Eutectic Solvents (DESS) 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

VIII. **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

Öğün E., Bozlar Pınaroğlu B., SOLMAZ H., ELP M., Özdemir Ö. F., Selçuk Zorer Ö., Şen F., Aydın F., Bora G., Gültekin A., et al., Project Supported by Higher Education Institutions, Van Gölünün Mikrobiyolojik, Kimyasal ve Radyoaktif Kirlilik Düzeyinin Araştırılması, 2014 - 2017

Scientific Refereeing

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

Invited 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 (DESS) 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 (DESS) in Spectrophotometric Determination of Curcumin, Attendee, Giresun, Turkey, 2016

Derin Ötektik Çözücü Esaslı 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 Doyurulmuş 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

Determination of Some Metal Ions by AAS in Baking Powder and Baking Soda Samples after Preconcentration and Separation, Attendee, Balıkesir, Turkey, 2000

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

HP-20 Reçinesi Dolgulu Mini Kolonlarda Bakır ve Nikelin Zenginleştirilmesi, Attendee, Diyarbakır, Turkey, 2000
Tokat İl Merkezi Serum Bakır ve Çinko Düzeyleri, Attendee, Turkey, 2000

Citations

Total Citations (WOS):720

h-index (WOS):11

Awards

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