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Personal Information

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Education Information

Doctorate, Yıldız Technical University, Fen Edebiyat Fakültesi, Kimya, Turkey 1990 - 1996

Postgraduate, Yıldız Üniversitesi, Fen Edebiyat Fakültesi, Kimya, Turkey 1988 - 1990

Undergraduate, Istanbul University, Kimya Fakültesi, Kimya Mühendisliği, Turkey 1980 - 1985

Dissertations

Doctorate, Bazı antihipertansif ilaçların spektrofotometrik ve sıvı kromatografik analizi, Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, 1996

Postgraduate, Alüminyum ve krom(III) iyonları karışımının kinetik yöntemle analizi, Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, 1990

Research Areas

Chemistry, Analytical Chemistry, Separation Methods, Food Analysis, Chromatographic Analysis, Spectroscopical Methods, Natural Sciences

Advising Theses

ÇETİN G., Antosiyaninlerin yaban mersini meyvelerinden ekstraksiyonu ve spektrofotometrik yöntemlerle tayinleri, Postgraduate, G.Yoklayan(Student), 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- Chromium removal from tannery wastewaters with a strong cation exchange resin and species analysis of chromium by MINEQL**
KOCAOBA S., ÇETİN G., AKÇİN G.
SCIENTIFIC REPORTS, vol.12, no.1, 2022 (Journal Indexed in SCI)
- Surface complexation modelling of chromium(III) ion exchange by a strong cation exchange resin**
KOCAOBA S., ÇETİN G., AKÇİN G.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, 2020 (Journal Indexed in SCI)
- Hydride generation-flame atomic absorption spectrometric quantification of trace lead after the extraction by fatty acid functionalized Fe₃O₄ nanoparticles assisted dispersive solid-phase extraction: A sensitive, precise and accurate analytical method**

Akkaya E., Ozturk E., Kasa N. A., ÇETİN G., KOMESLİ O. T., BAKIRDERE S.

Journal of Analytical Atomic Spectrometry, vol.35, no.5, pp.961-966, 2020 (Peer-Reviewed Journal)

- IV. **EXTRACTION OF ANTHOCYANINS FROM FRUITS OF BERRIES BY ULTRASOUND ASSISTED METHOD AND QUANTIFICATION OF TOTAL MONOMERIC ANTHOCYANINS WITH SPECTROPHOTOMETRIC METHODS**
Kundakci G. Y., ÇETİN G.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.29, no.4, pp.2228-2234, 2020 (Journal Indexed in SCI)
- V. **Determination of trace nickel in spinach samples using the combination of vortex-assisted deep eutectic solvent-based liquid phase microextraction and slotted quartz tube-flame atomic absorption spectrometry**
Alacakoç B., Tekin Z., UNUTKAN T., ÇETİN G., BAKIRDERE S.
Atomic Spectroscopy, vol.40, no.6, pp.233-237, 2019 (Journal Indexed in SCI)
- VI. **Ultrasound assisted deep eutectic solvent based microextraction-slotted quartz tube-flame atomic absorption spectrometry for the determination of cadmium**
UNUTKAN T., Tışlı B., Tekin Z., ÇETİN G., BAKIRDERE S.
SPECTROCHIMICA ACTA PART B-ATOMIC SPECTROSCOPY, vol.155, pp.1-3, 2019 (Peer-Reviewed Journal)
- VII. **A new combination for the determination of ultratrace cadmium: solid-phase microextraction by stearic acid-coated magnetic nanoparticles prior to batch-type hydride generation atomic absorption spectrometry**
KASA N. A., AKKAYA E., ZAMAN B. T., Cetin G., BAKIRDERE S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.190, no.10, 2018 (Peer-Reviewed Journal)
- VIII. **A new method for the determination of cadmium at ultratrace levels using slotted quartz tube-flame atomic absorption spectrometry after preconcentration with stearic acid coated magnetite nanoparticles**
AKKAYA E., KASA N. A., Cetin G., BAKIRDERE S.
JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY, vol.32, no.12, pp.2433-2438, 2017 (Journal Indexed in SCI)
- IX. **Enrichment of Chromium(III) from Tannery Sludge in the Presence of Calcium**
ÇETİN G., KOCAOBA S., AKCIN G.
ASIAN JOURNAL OF CHEMISTRY, vol.25, no.12, pp.6851-6855, 2013 (Peer-Reviewed Journal)
- X. **Removal and Recovery of Chromium from Solutions Simulating Tannery Wastewater by Strong Acid Cation Exchanger**
Çetin G., Kocaoba S., Akcin G.
JOURNAL OF CHEMISTRY, 2013 (Journal Indexed in SCI)
- XI. **CATION EXCHANGE EQUILIBRIA WITH CHROMIUM (III) SPECIES BY STRONG ACID ION EXCHANGERS**
Çetin G., Kocaoba S., Hoell W. H., Akcin G.
SOLVENT EXTRACTION AND ION EXCHANGE, vol.30, pp.88-100, 2012 (Journal Indexed in SCI)
- XII. **A spectrophotometric method for the determination of lisinopril in tablet formulation**
ÇETİN G., Sungur S.
REVIEWS IN ANALYTICAL CHEMISTRY, vol.25, no.1, pp.1-10, 2006 (Journal Indexed in SCI)
- XIII. **The simultaneous determination of hydrochlorothiazide and cilazapril in tablet formulation by high performance liquid chromatography**
ÇETİN G., Sungur S.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.14, no.5, pp.353-356, 2005 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Effect of mobile phase variation and purification on chromatogram view by using fruits and rose extracts and HPLC method**
ÇETİN G., Turak F.
International Journal of Chemistry, vol.8, no.3, pp.25-29, 2016 (Refereed Journals of Other Institutions)

- II. **Removal of hardness of earth alkaline metals from aqueous solutions by ion exchange method**
ÇETİN G.
ISRN Analytical Chemistry, pp.1-7, 2014 (Refereed Journals of Other Institutions)
- III. **The liquid chromatographic analyse of cibadrex tablet**
ÇETİN G., Sungur S.
International Journal of Chemistry, vol.14, no.3, pp.161-164, 2004 (Non Peer-Reviewed Journal)
- IV. **A spectrophotometric method for the determination of amlodipine in pharmaceutical formulation**
ÇETİN G., Sungur S.
SCIENTIA PHARMACEUTICA, vol.63, pp.93-98, 1995 (Non-Refreed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Trace Determination of Cadmium using Ultrasound Assisted Deep Eute ctic Solvent Microextraction - Slotted Quartz Tube - Flame Atomic Absorption Spectrometry**
Unutkan T., Tışlı B., Tekin Z., Çetin G., Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.92
- II. **Determination of Ultratrace Cadmium by a New Combination: Solid Phase Microextraction by Stearic Acid Coated Magnetic Nanoparticles Prior To Batch Type Hydride Generation Atomic Absorption Spectrometry**
Kasa N. A. , Akkaya E., Zaman B. T. , ÇETİN G., BAKIRDERE S.
8TH BLACK SEA BASIN CONFERENCE ON ANALYTICAL CHEMISTRY, İstanbul, Turkey, 09 May 2018, pp.67
- III. **İyon Değişiricilerle Ağır Metal Uzaklaştırılması ve Geri Kazanılması**
KOCAOBA S., Çetin G., Hoell W., Akçin G.
17. Ulusal Kimya Kongresi
- IV. **Recovery of Chromium from Tannery Wastewaters**
Çetin G., KOCAOBA S., Hoell W.
Ion Exchange Technology for Today and Tomorrow
- V. **Cation Exchange Separation of Chromium (III) in Tannery Wastewaters**
KOCAOBA S., Çetin G., Hoell W., Akçin G.
4th Aegean Analytical Chemistry Days
- VI. **Katyonik Reçinelerle Denge Değişiminin İncelenmesi**
KOCAOBA S., Çetin G., Hoell W., Akçin G.
17. Ulusal Spektroskopi Kongresi

Supported Projects

ÇETİN G., BAKIRDERE S., Akkaya E., ÖZTÜRK ER E., Kasa N. A. , KOMESLİ O. T. , Project Supported by Higher Education Institutions, Kurşunun Stearik Asit Kaplı Demir Manyetik Nanopartiküller ile Ekstraksiyonu/Önderştirilmesi Sonrası HO-AAS Sisteminde Eser Seviyelerde Tayini, 2018 - 2019

ÇETİN G., Project Supported by Higher Education Institutions, Endüstriyel Atıklardan Ve Meyve-Sebzelerden Farklı Ekstraksiyon Yöntemleri İle Doğal Boyarmadde Eldesi Ve Gıda-Tekstil Alanında Uygulanabilirliği, 2012 - 2015

AKÇİN G., ÇETİN G., Project Supported by Higher Education Institutions, Metal sanayii kaplama banyoları çalkalama sularında bulunan metallerin parametric pumping yöntemi ile geri kazanılması, 2004 - 2007

Turhan K., Akçin G., Çetin G., Project Supported by Higher Education Institutions, Metal Sanayi Kaplama Banyoları Çalkalama Sularında Bulunan Metallerin Parametric Pumping Yöntemi ile Geri Kazanılması, 2004 - 2007

Akçin G., Çetin G., Kocaoba S., TUBITAK Project, Kromun deri atıksularından uzaklaştırılması ve geri kazanılması, 2005 - 2006

ÇETİN G., Other Supported Projects, Metal sanayiinde kaplama banyoları atık çalkalama sularında bulunan Ni(II), Co(II),

Cd(II) ve Cu(II) gibi metallerin pH deęiřimi ile uygulanan parametric pumping yöntemi ile ayrılarak geri kazanılması, 2004 - 2006

Akçin G., Çetin G., Kocaoba S., Other Supported Projects, Chromium removal and recovery from tannery wastewaters, 2001 - 2005

Memberships / Tasks in Scientific Organizations

Türkiye Kimya Derneęi, Member, 1987 - Continues

Kimya Mühendisleri Odası, Member, 1987 - Continues

Metrics

Publication: 24

Citation (WoS): 41

Citation (Scopus): 44

H-Index (WoS): 4

H-Index (Scopus): 4

Congress and Symposium Activities

Determination of ultratrace cadmium by a new combination: Solid phase microextraction by stearic acid coated magnetic nanoparticles prior to batch type hydride generation atomic absorption spectrometry, Working Group, İstanbul, Turkey, 2018

Yaban mersini meyvelerinden elde edilen antosiyaninlerin spektroskopik yöntemler ile tayini, Attendee, Ankara, Turkey, 2017

Stability studies on extracts of anthocyanines obtained from berries, Attendee, Çanakkale, Turkey, 2016

Extraction of anthocyanines from fruits, Attendee, İstanbul, Turkey, 2014

Endüstriyel sularda toprak alkali metal sertlięinin giderilmesi, Attendee, Muęla, Turkey, 2012

Deri atık çamur efluentinden kalsiyum ve krom metallerinin ayrılması ve geri kazanılması, Attendee, Gazimagusa, Cyprus (Kkct), 2008

Separation of ionic mixtures by parametric pumping with variation of pH, Attendee, Sofija, Bulgaria, 2007

Removal and recovery of chromium from tannery sludges, Attendee, Thessaloniki, Greece, 2006

Krom ve kalsiyumun sulu ortamdan uzaklaştırılması ve geri kazanılması, Attendee, Kayseri, Turkey, 2006

Recovery of heavy metals from wastewater, Attendee, Constanta, Romania, 2005

The profile of leather industry in Turkey, Attendee, Constanta, Romania, 2005

Cation exchange separation of chromium(III) in tannery wastewaters, Working Group, İzmir, Turkey, 2004

Kromun deri atıksuyundan amberjet reçinesi ile uzaklaştırılması ve geri kazanılması, Attendee, Malatya, Turkey, 2004

Cibadrex tablet bileşenlerinin yüksek basınçlı sıvı kromatografisi ile analizi, Attendee, Kars, Turkey, 2004

Recovery of chromium from tannery wastewaters, Working Group, London, United Kingdom, 2004

Metal uptake of different sorbents, Attendee, Skopje, Macedonia, 2003

The spectrophotometric analyse of lisinopril in tablet formulation, Attendee, İstanbul, Turkey, 2003

Silazaprilin spektrofotometrik yöntemle tayini, Attendee, İstanbul, Turkey, 2003

Equilibrium and regeneration kinetic of chromium in aqua media, Attendee, İstanbul, Turkey, 2003

İyon deęiřtiricilerle ağır metal uzaklaştırılması ve geri kazanılması, Attendee, İstanbul, Turkey, 2003

Katyonik reçinelerde denge deęişiminin incelenmesi, Attendee, Bursa, Turkey, 2002