

Assoc. Prof. Nevin Öztekin

Personal Information

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Biography

Nevin Öztekin is an Associate Professor in the Chemistry Department of Faculty of Arts and Sciences at Istanbul Technical University where she has been a member of the Faculty of Arts and Sciences since 1991. She received a B.S. degree in Chemistry from Gazi University (1987). She completed M.S. degree (1991) and Ph.D degree (1997) in Chemistry from Istanbul Technical University. She worked as Research Assistant (1991-2002) and Assistant Professor (2002-2004). Now she has been working as Associate Professor the Chemistry Department since 2004. Her research interests in chemistry are in the areas of analytical chemistry, separation, adsorption and spectroscopy. She has 26 printed papers in these areas. In addition, 5 papers in press or preparation.

Education Information

Doctorate, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1991 - 1997

Post Graduate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, Turkey 1989 - 1991

Under Graduate, Gazi Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Pr., Turkey 1982 - 1987

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Nadir toprak element iyonları-fenoksiasetat kompleks değerlerinin potansiyometrik yöntemle incelenmesi, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1997

Post Graduate, Metal nitrit komplekslerinin sulu ortamdaki ardışık oluşumunun iyon değiştirme yöntemi ile incelenmesi, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, 1991

Research Areas

Basic Sciences, Chemistry, Analytical Chemistry, Separation Methods, Food Analysis, Chromatographic Analysis, Spectroscopical Methods, Physical Chemistry

Academic Titles / Tasks

Associate Professor, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2004 - Continues

Courses

Kolloid Kimyası, Under Graduate, 2016 - 2017
Analitik ve Enstrümental Analiz, Under Graduate, 2016 - 2017
Analitik Kimya, Under Graduate, 2016 - 2017
Enstrümental Analitik Yöntemler, Under Graduate, 2017 - 2018
Analitik Kimyada Seçimli Konular, Doctorate, 2016 - 2017

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

- I. **Capillary electrophoresis with capacitively coupled contactless conductivity detection for the determination of urinary ethylmalonic acid for the diagnosis of ethylmalonic aciduria**
Ozcelik S., Öztekin N., Kiykim E., Cansever M. S. , Aktuglu-Zeybek A. C.
JOURNAL OF SEPARATION SCIENCE, vol.43, no.7, pp.1365-1371, 2020 (Journal Indexed in SCI)
- II. **A fast and convenient analysis method for the determination of cations in pomegranate juices by capillary electrophoresis with contactless conductivity detection**
Adımcılar V., Öztekin N.
TURKISH JOURNAL OF CHEMISTRY, vol.43, no.2, pp.547-554, 2019 (Journal Indexed in SCI)
- III. **Determination of homogentisic acid in urine for diagnosis of alcaptonuria: Capillary electrophoretic method optimization using experimental design**
Öztekin N., Balta G. S. , Cansever M. S.
BIOMEDICAL CHROMATOGRAPHY, vol.32, no.7, 2018 (Journal Indexed in SCI)
- IV. **A Direct and Sensitive Analysis Method for Biogenic Amines in Dairy Products by Capillary Electrophoresis Coupled with Contactless Conductivity Detection**
Adımcılar V., Öztekin N., Erim F. B.
FOOD ANALYTICAL METHODS, vol.11, no.5, pp.1374-1379, 2018 (Journal Indexed in SCI)
- V. **Removal of sodium dodecylbenzenesulfonate from aqueous solution using polyethyleneimine-modified bentonite clay**
Öztekin N.
DESALINATION AND WATER TREATMENT, vol.80, pp.268-275, 2017 (Journal Indexed in SCI)
- VI. **Separation and Sensitive Detection of Lanthanides by Capillary Electrophoresis and Contactless Conductivity Detection**
YELKENCI H. E. , Öztekin N.
JOURNAL OF CHROMATOGRAPHIC SCIENCE, vol.55, no.4, pp.465-470, 2017 (Journal Indexed in SCI)
- VII. **Voltammetric determination of nitrite in meat products using polyvinylimidazole modified carbon paste electrode**
Yıldız G., OZTEKIN N., ORBAY A., Senkal F.
FOOD CHEMISTRY, vol.152, pp.245-250, 2014 (Journal Indexed in SCI)
- VIII. **Determination of amino acids in pomegranate juices and fingerprint for adulteration with apple juices**
Tezcan F., Uzaşçı S., Uyar G., Öztekin N., Erim F. B.
FOOD CHEMISTRY, vol.141, no.2, pp.1187-1191, 2013 (Journal Indexed in SCI)
- IX. **Determination of Critical Aggregation Concentration in the Poly-(vinylpyrrolidone)-Sodium Dodecyl Sulfate System by Capillary Electrophoresis**
Öztekin N., Erim F. B.
JOURNAL OF SURFACTANTS AND DETERGENTS, vol.16, no.3, pp.363-367, 2013 (Journal Indexed in SCI)
- X. **Non-ionic micellar electrokinetic chromatography with laser-induced fluorescence: A new method tested with biogenic amines in brined and dry-salted fish**
Baskan S., TEZCAN F., KÖSE S., Öztekin N., ERİM F. B.
ELECTROPHORESIS, vol.31, no.13, pp.2174-2179, 2010 (Journal Indexed in SCI)

- XI. **Isolation and analysis of bioactive diterpenoids in Salvia species (Salvia chionantha and Salvia kronenburgii) by micellar electrokinetic capillary chromatography**
Öztekin N., Başkan S., KEPEKCI S. E. , Erim F. B. , TOPCU G.
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.51, no.2, pp.439-442, 2010 (Journal Indexed in SCI)
- XII. **Stacking in CE for Analysis of Bromate Flour Additive**
Öztekin N., AYDIN H. M. , Erim F. B.
CHROMATOGRAPHIA, vol.70, pp.987-990, 2009 (Journal Indexed in SCI)
- XIII. **Determination of alginate copolymer in pharmaceutical formulations by micellar electrokinetic chromatography**
Oztekin N., Başkan S., Erim F. B.
JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES, vol.850, pp.488-492, 2007 (Journal Indexed in SCI)
- XIV. **Determination of carnosic acid and rosmarinic acid in sage by capillary electrophoresis**
Başkan S., Oztekin N., Erim F. B.
FOOD CHEMISTRY, vol.101, no.4, pp.1748-1752, 2007 (Journal Indexed in SCI)
- XV. **Effect of cationic surfactant adsorption on the rheological and surface properties of bentonite dispersions**
Günister E., ISCI S., Oztekin N., Erim F. B. , ECE O. I. , Güngör N.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.303, no.1, pp.137-141, 2006 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **İdrarda Orotik Asit'in Temassız İletkenlik Dedektörü Kullanılarak Kapiler Elektroforez Yöntemi İle Hızlı Tayini**
CANSEVER M. Ş. , ÖZTEKİN N., ADIMCILAR V., ZÜBARİOĞLU T., KIYKIM E., AKTUĞLU ZEYBEK A. Ç.
Süleyman Demirel Üniversitesi Fen Edebiyat Fakültesi Fen Dergisi, vol.15, no.2, pp.194-202, 2020 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Determination of Ethylmalonic Acid in Urine by Capillary Electrophoresis with Capacitively Coupled Contactless Conductivity Detection**
Öztekin N., Özçelik S., Kıyım E.
First International Congress on Analytical and Bioanalytical Chemistry, Antalya, Turkey, 27 - 30 March 2019, pp.169-170
- II. **Determination of underivatized amino acids by Capillary Zone Electrophoresis with Contactless Conductivity Detection**
Öztekin N., Türeyen Ü.
45th International Symposium on High Performance Liquid Phase Separations and Related Techniques, Praha, Czech Republic, 18 - 22 June 2017
- III. **Simultaneous Determination of Two Preservatives in Various Foods by Capillary Electrophoresis**
Öztekin N.
", 10th Aegean Analytical Chemistry Days, Çanakkale, Turkey, 29 September - 02 October 2016, pp.243-246
- IV. **Removal of Surfactant from Aqueous Solution Using Cationic Polyelectrolyte Modified Bentonite Clay**
Öztekin N.
1st International Black Sea Congress on Environmental Sciences, Giresun, Turkey, 31 - 03 August 2016, pp.339
- V. **Capillary Electrophoresis Determination of Inorganic Anions by Sample Stacking Using Chemometric Experimental Design**

Öztekin N., Özçelik S.

Third International Conference on New Trends in Chemometrics and Applications (NTCA-2016), Antalya, Turkey, 25 - 28 May 2016, pp.111

- VI. **The Properties of Polyvinylimidazole-Clay Composites and Their Use for Removal of Remazol Black From Water**
YILDIZ G., SENKAL F., Öztekin N., Orgun Y.
IIIrd International Conference on Methods and Materials for Separation Processes Separation Science – Theory and Practice, Karpacz, Poland, 6 - 10 September 2015, pp.130
- VII. **Surfactant Effect on the Separation and Detection of Biogenic Amines and Chiral Amino Acids by Micellar Electrokinetic Chromatography Coupled by Laser Induced Fluorescence**
TEZCAN F., UZASCI S., UYAR G., BASKAN S., Öztekin N., KOSE S., ERIM F. B.
6th Black Sea Basin Conference on Analytical Chemistry, Trabzon, Turkey, 10 - 14 October 2013, pp.11
- VIII. **Determination of Phenolic Pollutants in Water Samples by Capillary Electrophoresis with a UV-Detector**
YELKENCI H. E. , Öztekin N.
6th Black Sea Basin Conference on Analytical Chemistry, Trabzon, Turkey, 10 - 14 October 2013, pp.119

Supported Projects

- Öztekin N., Project Supported by Higher Education Institutions, Katyonik Polielektrolit ile Modifiye Edilmiş Bentonit Kili Kullanılarak Sulu Çözeltilerden Yüzeysel Aktif Madde Giderimi, 2016 - 2018
- Öztekin N., Project Supported by Higher Education Institutions, Metal İyonlarının Kapiler Elektrozef Yöntemi ile Ayrılması ve Tayini, 2014 - 2018
- Öztekin N., Project Supported by Higher Education Institutions, İnorganik Ve Küçük Organik Anyonların Kapiler Elektrozef Yöntemi İle Ayrılması Ve Tayininde Katyonik Polimer Kullanımı, 2013 - 2018
- Öztekin N., Project Supported by Higher Education Institutions, Serum ve İdrarda Homogentisik asidin Kapiler Elektrozef ile Tayini, 2011 - 2018
- Öztekin N., Project Supported by Higher Education Institutions, GIDA ÜRÜNLERİNDE BENZOİK VE SORBİK ASİDİN KAPİLER ELEKTROFOREZ YÖNTEMİ İLE TAYINI, 2009 - 2018
- Öztekin N., Project Supported by Higher Education Institutions, Polivinylimidazol Kaplı Kapiler ile Elektroosmatik Akışın Kontrolü ve Uygulamaları, 2008 - 2018
- Öztekin N., Project Supported by Higher Education Institutions, Determination Of Bromate as Additive in Flours by Capillary Electrophoresis, 2007 - 2018
- Öztekin N., Project Supported by Higher Education Institutions, Çeşitli Gıda Ürünlerinde Benzoik ve Sorbik Asidin Kapiler Elektrozef Yöntemi ile Birarada Tayini, 2004 - 2004

Scientific Refereeing

- Food Analytical Methods, SCI Journal, January 2018
- Food Control, SCI Journal, March 2016
- Journal of Separation Science, SCI Journal, October 2015
- Electroforesis, SCI Journal, June 2015
- Food Analytical Methods, SCI Journal, February 2011
- Analytica chimica acta, SCI Journal, July 2005

Edit Congress and Symposium Activities

- Determination of underivatized amino acids in supplements by capillary zone electrophoresis with contactless

conductivity detection, Attendee, Prag, Czech Republic, 2017

Separation and sensitive detection of lanthanides by capillary electrophoresis and contactless conductivity detection, Attendee, Praha, Czech Republic, 2017

Simultaneous Determination of Two Preservatives in Various Foods by Capillary Electrophoresis, Attendee, Çanakkale, Turkey, 2016

Removal of Surfactant from Aqueous Solution Using Cationic Polyelectrolyte Modified Bentonite Clay, Attendee, Giresun, Turkey, 2016

Lantanit Metal İyonlarının İletkenlik Dedektörü-Kapiler Elektforez Yöntemi ile Ayrılması ve Hassas Tayini, Attendee, Isparta, Turkey, 2016

Capillary Electrophoresis Determination of Inorganic Anions by Sample Stacking Using Chemometric Experimental Design, Attendee, Turkey, 2016

The Properties of Polyvinylimidazole-Clay Composites and Their Use for Removal of Remazol Black From Water, Attendee, Poland, 2015

Biyojenik Aminlerin İletkenlik Dedektörü Kullanılarak Kapiler Elektforez Yöntemi ile Ayrılması, Attendee, Çanakkale, Turkey, 2015

Surfactant Effect on the Separation and Detection of Biogenic Amines and Chiral Amino Acids by Micellar Electrokinetic Chromatography Coupled by Laser Induced Fluorescence, Attendee, Trabzon, Turkey, 2013

Determination of Phenolic Pollutants in Water Samples by Capillary Electrophoresis with a UV-Detector, Attendee, Trabzon, Turkey, 2013

Kapilerde Elektforez ile Polivinil İmidazol Kaplı Kapilerde İnorganik İyonların Ayrılması ve Tayini, Attendee, Bursa, Turkey, 2013

Kapiler Elektforez ile Biotin Tayini, Attendee, Hatay, Turkey, 2012

Determination of Diterpenoids of Salvia Species by MEKC, Attendee, Maryland, United States Of America, 2012

İnorganik katyonların Kapilerde Elektforez ile Ayrılması ve Tayini, Attendee, Turkey, 2012

PVI ile Modifiye Edilmiş Kilin Anyonik Boyaların Gideriminde Kullanılması Kompozitinin Adsorpsiyon Özellikleri, Attendee, Tokat, Turkey, 2012

Determination of Homogentisic Acid in Urine by Capillary Electrophoresis with UV Detection, Attendee, Glarus, Switzerland, 2011

İdrarda Homogentisik Asidin Kapiler Elektforez Yöntemi ile Tayini, Attendee, Turkey, 2011

Polivinil imidazol Kil Kompozitinin Adsorpsiyon Özellikleri, Attendee, Diyarbakır, Turkey, 2011

Detection of Pomegranate Juice Adulteration from Amino Acid Separation using Chiral MECK- LIF with Fluorescence Enhancement by SDBS, Attendee, Tbilisi, Georgia, 2011

Determination of Carnosic Acid and Rosmarinic Acid in Sage by Capillary Electrophoresis, Attendee, Austria, 2010

Determination of Benzoic Acid and Sorbic Acid in Food Products by Capillary Electrophoresis, Attendee, Düsseldorf, Germany, 2009

Control of Electroosmotic Flow by Polyvinylimidazole Coating-Capillary and Its Application in Capillary Zone Electrophoresis, Attendee, Düsseldorf, Germany, 2009

Determination of Bromate as Additive in Flours by Capillary Electrophoresis, Attendee, Praha, Czech Republic, 2007

Determination of Alginate Copolymer in Pharmaceutical Formulations by Micellar Electrokinetic Chromatography, Attendee, İstanbul, Turkey, 2007

Diferansiyel Puls Yöntemi ile Quercetin Miktar Tayini, Attendee, Malatya, Turkey, 2007

Adaçayının (Salvia Officinalis) Antioksidan Bileşikleri Rosmarinik ve Karnosik Asitin Kapiler Elektforez ile Tayini, Attendee, Turkey, 2007

Kojik Asitin Kozmetik ve Gıda Ürünlerinde Kapiler Elektforez Yöntemi ile Hassas Tayini, Attendee, Turkey, 2007

Polivinil İmidazol Reçinesi Kullanılarak Karbon Pasta Elektrot ile Voltametrik Nitrit Tayini, Attendee, Kırıkkale, Turkey, 2007

Kapiler Elektforezde Elektroosmatik Akışın Kontrolü İçin Polivinil İmidazolun Kullanımı, Attendee, Turkey, 2007

Poliürertan/Kil Kompozitlerinin Hazırlanması ve Karakterizasyonu, Attendee, Turkey, 2005

Fenantrenin Benzatonyum ile Modifiye Edilmiş Bentonit Kili Üzerindeki Adsorpsiyonu, Attendee, Van, Turkey, 2005

Determination of Cationic Surfactants as the Preservatives in an Oral Solution and a Cosmetic product by Capillary Electrophoresis, Attendee, Firenze, Italy, 2004

Hyamine 1622 Bentonit İlişkisinin Adsorpsiyon, Reoloji ve Zeta Potansiyel Verilerine Göre Değerlendirilmesi, Attendee, İzmir, Turkey, 2003

Influence of Cationic Polymers on the Rheological Behaviour of Bentonite Clay Suspensions, Attendee, İstanbul, Turkey, 2003

Effect of Cationic Surfactant Adsorption on the Rheological Properties of Bentonite Dispersions”, Attendee, --Seçiniz--, Turkey, 2003

Polymer-Surfactant Interaction: A Capillary Electrophoresis Study, Attendee, Amsterdam, Netherlands, 2003

Polietileniminin Bentonit Killeri Üzerindeki Adsorpsiyonu, Attendee, Konya, Turkey, 2001

Separation and Direct UV Detection of Lanthanides Complexed with 2-pyridinecarboxylic acid, Attendee, United States Of America, 2001

Simultaneous Determination of Inorganic Anions and Organic Acids by Capillary Electrophoresis, Attendee, Antalya, Turkey, 2000

Separation and Determination of Lanthanides by Capillary Electrophoresis”, Attendee, Turkey, 2000

Separation and Direct UV Detection of Lanthanides Complexed with Cupferron by Capillary Electrophoresis, Attendee, Saarbrücken, Germany, 2000

Formation of Hippurate Complexes Cobalt(II), Nickel(II) and Manganase(II) in Aqueous Solution, Attendee, Ferrara, Italy, 1997

Complexing Ability of Pesticides and Related Compounds: Phenoxyacetate complexes of Rare Earth Cations, Attendee, İstanbul, Turkey, 1995

A cation Exchange Study of Copper(II)-Nitrite Complex System, Attendee, Cagliari, Italy, 1991

Citations

Total Citations (WOS):597

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