

## Assoc. Prof. OYA AYDIN URUCU

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Analitik Kimya (Dr), Turkey  
2003 - 2010

Postgraduate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Analitik Kimya (YI)  
(Tezli), Turkey 1999 - 2002

Undergraduate, Marmara University, Faculty of Arts and Sciences, Chemistry, Turkey 1995 - 1999

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Deniz suyunda ağır metal tayini için yeni bir yöntem geliştirilmesi, Marmara Üniversitesi, Institute for  
Graduate Studies in Pure and Applied Sciences, Analitik Kimya (Dr), 2010

Postgraduate, Yeni bir tiyazolil azo bileşiği sentezi ve komplekslerinin incelenmesi, Marmara Üniversitesi, Institute for  
Graduate Studies in Pure and Applied Sciences, Analitik Kimya (YI) (Tezli), 2002

### Research Areas

Analytical Chemistry

### Academic Titles / Tasks

Associate Professor, Marmara University, Faculty of Arts and Sciences, Chemistry, 2018 - Continues

Research Assistant PhD, Marmara University, Faculty of Arts and Sciences, Chemistry, 2010 - 2018

Research Assistant, Marmara University, Faculty of Arts and Sciences, Chemistry, 2000 - 2010

### Advising Theses

Kök Yetimoğlu E., Aydın Urucu O., Ağır metal analizleri için çevre dostu yeşil bir ön zenginleştirme yöntemi geliştirilmesi, Postgraduate, E.DUYGU(Student), 2021  
KÖK YETİMOĞLU E., AYDIN URUCU O., Dispersif sıvı-sivi mikroekstraksiyon yöntemi ile kurşun tayini için yöntem geliştirilmesi, Postgraduate, Ş.DÖNMEZ(Student), 2016  
Kök Yetimoğlu E., Aydın Urucu O., KATI FAZ MİKRO EKSTRAKSİYON YÖNTEMİYLE ORGANOFOSFORLU PESTİSİTLERİN TAYİNİ İÇİN YÖNTEM GELİŞTİRİLMESİ, Postgraduate, D.Devocioğlu(Student), 2015

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **UV-curable Schiff base-containing polymeric adsorbent for selective and efficient removal of Au(III) from aqueous solutions**  
AYDIN URUCU O., BEYLER ÇİĞİL A., Zülfikaroğlu A., ESENTÜRK O.  
Materials Today Communications, vol.37, 2023 (SCI-Expanded)
- II. **Itaconic acid-derived reactive protic ionic liquid (PIL)-containing superabsorbent green hydrogel adsorbent for the removal of anionic textile dyes**  
Aydın Urucu O., Deniz S., Kahraman N., Çakmakçı E.  
Materials Today Communications, vol.36, 2023 (SCI-Expanded)
- III. **An eco-friendly and sensitive deep eutectic solvent-based liquid-phase microextraction procedure for extraction preconcentration of Pb (II) ions**  
Aracier E. D., KÖK YETİMOĞLU E., AYDIN URUCU O.  
Analytical Sciences, vol.39, no.7, pp.1065-1071, 2023 (SCI-Expanded)
- IV. **Statistical optimization and selective uptake of Au(III) from aqueous solution using carbon nanotube-cellulose based adsorbent**  
BİRTANE H., Urucu O., YILDIZ N., Çiğil A. B., KAHRAMAN M. V.  
MATERIALS TODAY COMMUNICATIONS, vol.30, 2022 (SCI-Expanded)
- V. **Multivariate optimisation of a novel green microextraction method for Fe (III) determination in environmental samples by FAAS**  
AYDIN URUCU O., YILDIZ N., Aracier E. D.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.102, no.14, pp.3243-3254, 2022 (SCI-Expanded)
- VI. **Imidazole modified acrylate-containing photocured hydrogels for the efficient removal of malachite green dye from aqueous solutions**  
Aracier E. D., AYDIN URUCU O., ÇAKMAKÇI E.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.138, 2021 (SCI-Expanded)
- VII. **Cellulose/cysteine based thiol-ene UV cured adsorbent: removal of silver (I) ions from aqueous solution**  
Çiğil A. B., AYDIN URUCU O., Birtane H., Kahraman M. V.  
CELLULOSE, vol.28, no.10, pp.6439-6448, 2021 (SCI-Expanded)
- VIII. **Switchable solvent based liquid phase microextraction method for detection of cadmium in water samples with flame atomic absorption spectrometry**  
Aydın Urucu O., Aracier E. D.  
Journal Of Aoac International, vol.104, no.3, pp.645-649, 2021 (SCI-Expanded)
- IX. **Selective molecularly imprinted polymer for the analysis of chlorpyrifos in water samples**  
AYDIN URUCU O., Beyler Çiğil A., BİRTANE H., KÖK YETİMOĞLU E., KAHRAMAN M. V.  
Journal of Industrial and Engineering Chemistry, vol.87, pp.145-151, 2020 (SCI-Expanded)
- X. **Nanodiamond-containing polyethyleneimine hybrid materials for lead adsorption from aqueous media**  
Çiğil A. B., Urucu O., Kahraman M. V.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.136, no.46, 2019 (SCI-Expanded)
- XI. **Silsesquioxane-modified chitosan nanocomposite as a nanoadsorbent for the wastewater treatment**

Kucuk A. C., Urucu O.

REACTIVE & FUNCTIONAL POLYMERS, vol.140, pp.22-30, 2019 (SCI-Expanded)

- XII. **Allylimidazole containing OSTe based photocured materials for selective and efficient removal of gold from aqueous media**  
AYDIN URUCU O., Aracier E. D., ÇAKMAKÇI E.  
MICROCHEMICAL JOURNAL, vol.146, pp.997-1003, 2019 (SCI-Expanded)
- XIII. **Undecanol-ethanol-water ternary system based microextraction for the detection of cadmium**  
AYDIN URUCU O., KÖK YETİMOĞLU E., Dönmez Ş., DENİZ S.  
Journal Of The Serbian Chemical Society, vol.84, pp.435-443, 2019 (SCI-Expanded)
- XIV. **Solidified Floating Organic Drop Microextraction for the Detection of Trace Amount of Lead in Various Samples by Electrothermal Atomic Absorption Spectrometry**  
AYDIN URUCU O., Donmez S., KÖK YETİMOĞLU E.  
JOURNAL OF ANALYTICAL METHODS IN CHEMISTRY, 2017 (SCI-Expanded)
- XV. **Coprecipitation for the Determination of Copper(II), Zinc(II), and Lead(II) in Seawater by Flame Atomic Absorption Spectrometry**  
AYDIN URUCU O., AYDIN A.  
ANALYTICAL LETTERS, vol.48, no.11, pp.1767-1776, 2015 (SCI-Expanded)
- XVI. **A novel Schiff-base as a Cu(II) ion fluorescent sensor in aqueous solution**  
Gunduz Z. Y., Gunduz C., Ozpinar C., Urucu O.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.136, pp.1679-1683, 2015 (SCI-Expanded)
- XVII. **A novel ligand for cloud point extraction to determine gold content in ore samples**  
KÖK YETİMOĞLU E., AYDIN URUCU O., DENİZ S., AYDIN A.  
Environmental Chemistry Letters, 2014 (SCI-Expanded)
- XVIII. **Cloud Point Extraction for the Determination of Trace Copper II in Environmental Samples Using New Synthesized Reagent with Flame Atomic Absorption Spectrometry**  
KÖK YETİMOĞLU E., AYDIN URUCU O., YURTMAN GÜNDÜZ Z., FİLİK H.  
Macedonian Journal of Chemistry and Chemical Engineering, 2013 (SCI-Expanded)
- XIX. **Cloud Point Preconcentration of Gold III and Determination by Flame Atomic Absorption Spectrometry**  
KÖK YETİMOĞLU E., AYDIN URUCU O., YURTMAN GÜNDÜZ Z.  
Indian Journal of Chemical Technology, 2013 (SCI-Expanded)
- XX. **Selective Determination of Copper in Water Samples by Atomic Absorption Spectrometry after Cloud Point Extraction**  
Yetimoglu E., Urucu O., Gunduz Z. Y., Filik H.  
ANALYTICAL LETTERS, vol.43, no.12, pp.1846-1856, 2010 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Determination of Chlorpyrifos Residues in Cherry Samples by Direct Immersion Solid Phase Microextraction Coupled with Gas Chromatography Mass Spectrometry**  
Aydın Urucu O., Kök Yetimoğlu E., Devocioğlu D.  
International Journal of Advances in Engineering and Pure Sciences, vol.30, no.4, pp.398-402, 2018 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **ADSORPTION-BASED REMOVAL OF PIGMENT FROM PRINTING INDUSTRY WASTEWATER USING ENVIRONMENTALLY FRIENDLY INORGANIC MICRO PARTICLES**

DENİZ S., AYDIN URUCU O.

4TH INTERNATIONAL PRINTING TECHNOLOGY SYMPOSIUM, İstanbul, Turkey, 5 - 06 October 2023

- II. **BIODEGRADABLE HYDROGEL MEMBRANE FOR METAL REMOVAL**  
Bulutcu H., BİRTANE H., AYDIN URUCU O.  
INTERNATIONAL ISTANBUL MODERN SCIENTIFIC RESEARCH CONGRESS-V, 09 July 2023
- III. **PRODUCTION OF INK CONTAINING THERMOCHROMIC DYESTUFF**  
AYDIN URUCU O., BİRTANE H.  
11th International symposium on Graphic Engineering and Design, GRID 2022, Novi-Sad, Serbia, 3 - 05 November 2022, pp.141-152
- IV. **MICROEXTRACTION METHOD FOR THE DETERMINATION OF TEXTILE DYES USING NEW GENERATION SOLVENTS YENİ NESİL ÇÖZÜCÜLER KULLANARAK TEKSTİL BOYARMADDELERİNİN TAYİNİ İÇİN MİKROEKSTRAKSİYON YÖNTEMİ**  
Aracier E. D., DENİZ S., AYDIN URUCU O.  
3. ULUSLARARASI TÜRK DÜNYASI MÜHENDİSLİK VE FEN BİLİMLERİ KONGRESİ BİLDİRİLERİ, Turkey, 22 October 2021
- V. **Development of A New Deep Eutectic Solvent Microextraction Method For Analysis Of Heavy Metals**  
Aracier Balıkcı E. D., Kök Yetimoğlu E., Aydın Urucu O.  
INTERNATIONAL BLACK SEA COASTLINE COUNTRIES SCIENTIFIC RESEARCH SYMPOSIUM, Zonguldak, Turkey, 28 November 2020, pp.1
- VI. **THIOL-ENE BASED MEMBRANES AND APPLICATIONS IN HEAVY METAL IONS REMOVAL**  
PEKTAŞ B., BİRTANE H., AYDIN URUCU O., KAHRAMAN M. V.  
7th International Joint Conference on Environmental and Light Industry Technologies, Hungary, 21 - 22 November 2019
- VII. **A GREEN SEPARATION/PRECONCENTRATION METHOD FOR DETERMINATION CADMIUM IN ENVIRONMENTAL SAMPLES**  
AYDIN URUCU O., Aracier E. D.  
International Joint Conference on Environmental and Light Industry Technologies, 21 - 22 November 2019
- VIII. **THIOL-ENE PHOTOCURED ADSORBENTS FOR Au(III) ADSORPTION**  
Aracier E. D., AYDIN URUCU O., ÇAKMAKÇI E.  
International Joint Conference on Environmental and Light Industry Technologies, 21 - 22 November 2019
- IX. **COLORIMETRIC DETERMINATION OF VANADIUM IN WATER SAMPLES**  
Beyler Çiğil A., Aydın Urucu O., Arman Kandırmaz E.  
International Joint Conference on Environmental and Light Industry Technologies, Budapest, Hungary, 21 - 22 November 2019
- X. **FUNCTIONAL THIOL ENE MEMBRANE FOR METAL UPTAKE**  
KARANLIK B., BİRTANE H., AYDIN URUCU O., KAHRAMAN M. V.  
7th International Joint Conference on Environmental and Light Industry Technologies, Hungary, 21 - 22 November 2019
- XI. **AMPS-ACMO BASED HYDROGELS FOR METAL RECOVERY FROM AQUEOUS MEDIA**  
ÇAĞLAYAN T., AYDIN URUCU O., ÇAKMAKÇI E.  
International Joint Conference on Environmental and Light Industry Technologies, 21 - 22 November 2019
- XII. **Yeni Nesil Çözücüler Kullanarak Sulu Ortamda Cıva Tayini İçin Yeni Bir Mikroekstraksiyon Yöntemi**  
DENİZ S., AYDIN URUCU O., ARACIER E. D.  
2. Uluslararası Türk Dünyası Mühendislik ve Fen Bilimleri Kongresi, 7 - 10 November 2019
- XIII. **REMOVAL OF PIGMENT FROM PRINTING INDUSTRY WASTE WATER USING ADSORPTION BY GELATIN-VINYL PHOSPHONIC ACID (VPA) BASED HYDROGELS**  
Esra Duygu A., AYDIN URUCU O., ÇAKMAKÇI E.  
3rd International Printing Technologies Symposium, 10 - 12 October 2019
- XIV. **Switchable Solvent Based Liquid Phase Microextraction Method for Fe (III) in Environmental Samples Prior to Furnace Atomic Absorption Spectrometric Determination**  
AYDIN URUCU O., Aracier E. D.

8TH BLACK SEA BASIN CONFERENCE ON ANALYTICAL CHEMISTRY, 9 - 11 May 2018

- XV. **CELLULOSE ACETATE BUTYRATE BASED THIOL-ENE/SOL GEL HYBRID CROSSLINKED MATRIX FOR HEAVY METAL IONS REMOVAL**  
BİRTANE H., AYDIN URUCU O., KAHRAMAN M. V.  
8th Black Sea Basin Conference on Analytical Chemistry (8th BBCAC) 9-11 May, 2018 Istanbul/Turkey , 9 - 11 May 2018
- XVI. **DİSPERSİF SIVI-SIVI MİKROEKSTRAKSİYON YÖNTEMİ İLE AĞIR METAL TAYİNİ**  
Şahin E., Dervişoğlu C., AYDIN URUCU O., KÖK YETİMOĞLU E.  
XV. Ulusal Spektroskopi Kongresi, Turkey, 17 - 19 May 2017
- XVII. **BULUTLANMA NOKTASI EKSTRAKSİYON YÖNTEMİ İLE SU VE GIDA MADDELERİNDE KURŞUN TAYİNİ İÇİN YÖNTEM GELİŞTİRİLMESİ**  
Kuzgun Ö., AYDIN URUCU O., KÖK YETİMOĞLU E.  
XV. Ulusal Spektroskopi Kongresi, Turkey, 17 - 19 May 2017
- XVIII. **A New Separation Precocentration and Determination Procedure Based on Solidified Floating Organic Drop Microextraction SFODME of Lead by Using Graphite Furnace Atomic Absorption Spectrometry**  
Dönmez Ş., AYDIN URUCU O., KÖK YETİMOĞLU E.  
ICAPE 2016: 18th International Conference on Applications of Polymer Engineering, 12 - 13 May 2016
- XIX. **Efficiency of a Molecularly Imprinted Polymer for Selective Removal of Chlorpyrifos from Water Samples**  
AYDIN URUCU O., BEYLER ÇİĞİL A., BİRTANE H., KÖK YETİMOĞLU E., KAHRAMAN M. V.  
18th International Conference on Hybrid Intelligent Systems, 25 - 26 April 2016
- XX. **Sıvı-Sıvı Mikro Ekstraksiyon Yöntemi İle Kursunun Tayini İçin Yöntem Gelistirilmesi**  
Kök Yetimoğlu E., Dönmez Ş., Aydın Urucu O.  
27. Ulusal Kimya Kongresi , Çanakkale, Turkey, 23 August 2015, pp.1
- XXI. **Meyve ve sebzelerdeki pestisit kalıntı analizi için SPME yönteminin kullanılması**  
Devecioğlu D., Kök Yetimoğlu E., Aydın Urucu O., Yurtman Gündüz Z.  
VII. Ulusal Analitik Kimya Kongresi, Kahramanmaraş, Turkey, 01 September 2014, pp.1
- XXII. **Determination of copper (II) in environmental water samples with dispersive liquid-liquid microextraction preconcentration method**  
Aydın Urucu O., Devecioğlu D., Yurtman Gündüz Z., Gündüz C.  
International Environmental Sciences Sempodium of Van, Van, Turkey, 04 June 2014, pp.1
- XXIII. **Development of a Cloud Point Extraction and Preconcentration Method for Determination of Lead in Water Samples**  
AYDIN URUCU O., YURTMAN GÜNDÜZ Z., DENİZ S., KARAGÖZ B.  
6th Black Sea Conference on Analytical Chemistry, Trabzon, Turkey, 10 - 14 September 2013
- XXIV. **Development a new preconcentration method for determination of heavy metal in seawater**  
Aydın Urucu O., Aydın A.  
International conference on environmental science and technology, Nevşehir, Turkey, 18 - 21 June 2013, pp.1
- XXV. **A Novel Schiff-Base as a Cu(II) ion fluorescent sensor in environmental samples**  
Aydın Urucu O., Yurtman Gündüz Z., Gündüz C.  
International Conference on Environmental Science and Technology, Nevşehir, Turkey, 18 June 2013, pp.1
- XXVI. **Cloud Point Preconcentration of Silver and Determination by Flame Atomic Absorption Spectrometry**  
AYDIN URUCU O., AYDIN A., KÖK YETİMOĞLU E., DENİZ S.  
5th Black Sea Basin Conference On Analytical Chemistry, Ordu, Turkey, 23 - 26 September 2009
- XXVII. **Determination of some chemical features of the riva stream in Turkey**  
Şanher Uçak Ş., Yüce A., Soylu M., Aydın Urucu O.  
5.Black Sea Conference on Analytical Chemistry, Ordu, Turkey, 23 - 26 September 2009, pp.1
- XXVIII. **Cloud Point Preconcentration of Gold (III) and Determination by Flame Atomic Absorption Spectrometry**  
Aydın Urucu O., Yurtman Gündüz Z., Kök Yetimoğlu E.

- 6 th. Aegean Analytical Chemistry Days, Denizli, Turkey, 9 - 12 October 2008, pp.1
- XXIX. **Bulutlanma Noktası Ekstraksiyonu ile Önderiştirilen Bakır (II)'nın FAAS ile Tayini**  
Kök Yetimoğlu E., Aydın Urucu O., Yurtman Gündüz Z.  
XXII. Ulusal Kimya Kongresi, Gazimagusa, Cyprus (Kkct), 06 October 2008, pp.1
- XXX. **Bulutlanma Noktası Ekstraksiyonu ile Önderiştirilen Altın (III)'nın FAAS ile Tayini**  
Aydın Urucu O., Yurtman Gündüz Z., Kök Yetimoğlu E.  
IV. Ulusal Analitik Kimya Kongresi, Elazığ, Turkey, 25 June 2008, pp.147
- XXXI. **Bakır (II) Tayininde Bulutlanma Noktası Ekstraksiyon Yönteminin Kullanılması**  
Yurtman Gündüz Z., Aydın Urucu O., Kök Yetimoğlu E.  
IV. Ulusal Analitik Kimya Kongresi, Erzincan, Turkey, 25 June 2008, pp.149
- XXXII. **Miselli Ortamda Star - Cu(II) Kompleksinin Potansiyometrik Yöntemle Kararlılık Sabitinin Tayini**  
Kök Yetimoğlu E., Aydın Urucu O., Pamuk S.  
III Ulusal Analitik Kimya Kongresi, Çanakkale, Turkey, 05 July 2006, pp.1
- XXXIII. **Miselli ortamda kobalt iyonunun spektrofotometrik yöntemle tayini**  
KÖK YETİMOĞLU E., PAMUK S., AYDIN URUCU O.  
XVII Ulusal Kimya Kongresi, Turkey, 8 - 11 September 2003
- XXXIV. **Yeni Bir Tiazolil Azo Bileşiği Sentezi Ve Komplekslerinin İncelenmesi**  
Aydın Urucu O., Kök Yetimoğlu E.  
XVI Ulusal Kimya Kongresi, Konya, Turkey, 09 September 2002, pp.43
- XXXV. **Yeni Bir Piridil Azo Bileşiği Sentezi Ve Komplekslerinin İncelenmesi**  
Tunç C., Kök Yetimoğlu E., Aydın Urucu O.  
XVI Ulusal Kimya Kongresi, Konya, Turkey, 10 September 2002, pp.137

## Supported Projects

Aydın Urucu O., Aracıer E. D., Project Supported by Higher Education Institutions, YENİ NESİL ÇÖZÜCÜLER KULLANILAN SU VE GIDA NUMUNELERİNDE AĞIR METAL TAYİNİ İÇİN YENİ BİR MİKROEKSTRAKSİYON YÖNTEMİNİN GELİŞTİRİLMESİ, 2019 - 2021

Kök Yetimoğlu E., Aydın Urucu O., Project Supported by Higher Education Institutions, Yüzen organik damla mikroekstraksiyon metodu ile kadmiyum iyonunun su ve besin maddelerindeki analizi için yöntem geliştirilmesi, 2016 - 2018

Aydın Urucu O., Tanrıverdi Eçik E., Yenilmez Çiftçi G., Kılıç A., TUBITAK Project, Kanser Tedavisi İçin Foto Duyarlıştırıcı Adayı BODIPY Substitüe Siklotrifosfazen Bileşiklerinin Sentezi Yapı Karakterizasyonları Fotofiziksel ve Singlet Oksijen Üretim Özelliklerinin İncelenmesi, 2014 - 2017

Kök Yetimoğlu E., Aydın Urucu O., Project Supported by Higher Education Institutions, Sıvı Sıvı mikro ekstraksiyon yöntemi ile kurşunun tayini için yöntem geliştirilmesi, 2015 - 2016

Aydın Urucu O., Kök Yetimoğlu E., Devocioğlu D., Project Supported by Higher Education Institutions, KATI FAZ MİKRO EKSTRAKSİYON YÖNTEMİYLE ORGANOFOSFORLU PESTİSİTLERİN TAYİNİ İÇİN YÖNTEM GELİŞTİRİLMESİ, 2013 - 2015

Aydın Urucu O., Gündüz C., Yurtman Gündüz Z., Project Supported by Higher Education Institutions, Sıvı Sıvı Mikro Ekstraksiyon Yöntemi ile Yeni Bazı Schiff Bazları Kullanılarak Ağır Metal Tayini İçin Yöntem Geliştirilmesi, 2012 - 2014

Kök Yetimoğlu E., Aydın Urucu O., Project Supported by Higher Education Institutions, Yeni Bir Tiazolil Azo Bileşiği Sentezi Ve Komplekslerinin İncelenmesi, 2000 - 2003

## Metrics

Publication: 56

Citation (WoS): 166

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