

## Personal Information

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## Courses

İlaç Tasarımında İleri Enstrümantel Teknikler, Under Graduate, 2018 - 2019  
Araştırma Projesi Uygulama Dersi - II, Under Graduate, 2018 - 2019  
Seminer, Post Graduate, 2019 - 2020  
Eczacılık Elektrokimyasal Analiz, Under Graduate, 2018 - 2019  
Eczacılıkta İleri Enstrümantel Teknikleri, Post Graduate, 2019 - 2020  
Analitik Yöntem Validasyonu, Post Graduate, 2019 - 2020  
Uzmanlık Alan Dersi, Post Graduate, 2019 - 2020  
Özütleme Teknikleri, Post Graduate, 2018 - 2019  
İlaç DNA Etkileşimlerinde Analitik Kimyasal Yaklaşımlar, Post Graduate, 2019 - 2020  
Analitik Kimya - II, Under Graduate, 2018 - 2019  
Araştırma Projesi Dersi - I, Under Graduate, 2019 - 2020  
Analitik Kimya - I, Under Graduate, 2018 - 2019  
İlaç Analizlerinde Ayırma Teknikleri, Under Graduate, 2017 - 2018  
Kimyasal Analiz Sonuçlarının İstatistiksel Değerlendirilmesi, Under Graduate, 2018 - 2019  
Genel Kimya - II, Under Graduate, 2016 - 2017  
Eser Element Analizi, Post Graduate, 2016 - 2017  
Genel Kimya - I, Under Graduate, 2016 - 2017  
Polimerlerin Analitik ve Çevre Kimyasındaki Kullanım Alanları, Post Graduate, 2015 - 2016  
Elektroforez ve Kapiler Elektroforez Teknikleri, Post Graduate, 2016 - 2017  
Kromatografik Analiz Yöntemleri, Under Graduate, 2014 - 2015  
Genel Kimya, Under Graduate, 2014 - 2015  
İngilizce - II, Associate Degree, 2012 - 2013

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

- I. **The new water soluble zinc(II) phthalocyanines substituted with morpholine groups- synthesis and optical properties**  
Khezami K., Harmandar K., BAĞDA E., BAĞDA E., Sahin G., Karakodak N., Jamoussi B., DURMUŞ M.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.401, 2020 (Journal Indexed in SCI)
- II. **Development of deep eutectic solvent extraction method for extraction of Zn<sup>2+</sup> from powdered milk and baby formula samples and its determination by ICP-OES**  
Kurt A., BAĞDA E., ALTUNDAĞ H.  
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.17, no.6, pp.1359-1367, 2020 (Journal Indexed in SCI)
- III. **Effective uranium biosorption by macrofungus (*Russula sanguinea*) from aqueous solution: equilibrium, thermodynamic and kinetic studies**  
BAĞDA E., SARI A., TÜZEN M.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.317, no.3, pp.1387-1397, 2018 (Journal Indexed in SCI)

- IV. **Thermodynamics and Kinetics of Biosorption of Vanadium with Macrofungus (*Hypholoma fasciculare*) and Determination by GFAAS**  
BAĞDA E., TÜZEN M., SARI A., Shemsi A. M., Bukhari A. A.  
ATOMIC SPECTROSCOPY, vol.39, no.4, pp.170-177, 2018 (Journal Indexed in SCI)
- V. **Crosslinked Egg White as Eco-Friendly, Reusable, and Cost-Effective Biosorbent for Rapid Removal of Indigo Carmine**  
OYMAK T., BAĞDA E.  
CLEAN-SOIL AIR WATER, vol.46, no.6, 2018 (Journal Indexed in SCI)
- VI. **G-quadruplex and calf thymus DNA interaction of quaternized tetra and octa pyridyloxy substituted indium (III) phthalocyanines**  
Bagda E., BAĞDA E., DURMUŞ M.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY, vol.175, pp.9-19, 2017 (Journal Indexed in SCI)
- VII. **A simple and sensitive vortex-assisted ionic liquid-dispersive microextraction and spectrophotometric determination of selenium in food samples**  
BAĞDA E., TÜZEN M.  
FOOD CHEMISTRY, vol.232, pp.98-104, 2017 (Journal Indexed in SCI)
- VIII. **Highly Simple Deep Eutectic Solvent Extraction of Manganese in Vegetable Samples Prior to Its ICP-OES Analysis**  
BAĞDA E., ALTUNDAĞ H., SOYLAK M.  
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.179, no.2, pp.334-339, 2017 (Journal Indexed in SCI)
- IX. **Equilibrium, thermodynamic and kinetic investigations for biosorption of uranium with green algae (*Cladophora hutchinsiae*)**  
BAĞDA E., TÜZEN M., SARI A.  
JOURNAL OF ENVIRONMENTAL RADIOACTIVITY, vol.175, pp.7-14, 2017 (Journal Indexed in SCI)
- X. **A Novel Selective Deep Eutectic Solvent Extraction Method for Versatile Determination of Copper in Sediment Samples by ICP-OES**  
BAĞDA E., ALTUNDAĞ H., TÜZEN M., SOYLAK M.  
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.99, no.2, pp.264-269, 2017 (Journal Indexed in SCI)
- XI. **Analytical approaches for clarification of DNA-double decker phthalocyanine binding mechanism: As an alternative anticancer chemotherapeutic**  
BAĞDA E., YABAŞ E., Bagda E.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.172, pp.199-204, 2017 (Journal Indexed in SCI)
- XII. **Circular dichroism spectroscopic investigation of double-decker phthalocyanine with G-Quadruplex as promising telomerase inhibitor**  
BAĞDA E., BAĞDA E., YABAŞ E.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1127, pp.716-721, 2017 (Journal Indexed in SCI)
- XIII. **Solid phase extraction of uranium on a new brush type graft copolymer and spectrophotometric determination of its in water samples**  
TÜZEN M., BAĞDA E., HAZER B.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.310, no.3, pp.1255-1263, 2016 (Journal Indexed in SCI)
- XIV. **Determination of uranium in water samples with chromogenic reagent 4-(2-thiazolylazo) resorcinol after ionic liquid based dispersive liquid liquid microextraction**  
BAĞDA E., TÜZEN M.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.309, no.2, pp.453-459, 2016 (Journal Indexed in SCI)
- XV. **Ionic liquid dispersive microextraction and spectrophotometric determination of trace uranyl ion in water samples**  
BAĞDA E., TÜZEN M.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.306, no.2, pp.385-392, 2015 (Journal Indexed in SCI)

- XVI. **The water soluble ball-type phthalocyanine as new potential anticancer drugs**  
YABAŞ E., BAĞDA E., BAĞDA E.  
DYES AND PIGMENTS, vol.120, pp.220-227, 2015 (Journal Indexed in SCI)
- XVII. **Determination of zirconium in water, dental materials and artificial saliva after surfactant assisted dispersive ionic liquid based microextraction**  
BAĞDA E., TÜZEN M.  
RSC ADVANCES, vol.5, no.130, pp.107872-107879, 2015 (Journal Indexed in SCI)
- XVIII. **Uranyl Ions Removal by Quercus macrenthera Gall's Extract-Based Cryogels with Extreme Characteristics**  
BAĞDA E., ZONUZ N.  
CLEAN-SOIL AIR WATER, vol.42, no.12, pp.1816-1823, 2014 (Journal Indexed in SCI)
- XIX. **Determination of vanadium in groundwater samples with an improved kinetic spectrophotometric method**  
Bagda E.  
ENVIRONMENTAL TECHNOLOGY, vol.35, no.9, pp.1165-1174, 2014 (Journal Indexed in SCI)
- XX. **Feasibility of tetracycline, a common antibiotic, as chelating agent for spectrophotometric determination of UO<sub>2</sub><sup>2+</sup> after cloud point extraction**  
BAĞDA E., YABAŞ E., KARAKUŞ N.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.299, no.3, pp.1813-1820, 2014 (Journal Indexed in SCI)
- XXI. **Investigation of kinetic and thermodynamic characteristics of removal of tetracycline with sponge like, tannin based cryogels**  
ERŞAN M., BAĞDA E., BAĞDA E.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.104, pp.75-82, 2013 (Journal Indexed in SCI)
- XXII. **The feasibility of using Rosa canina galls as an effective new biosorbent for removal of methylene blue and crystal violet**  
Bagda E.  
DESALINATION AND WATER TREATMENT, vol.43, pp.63-75, 2012 (Journal Indexed in SCI)
- XXIII. **REMOVAL OF BASIC BLUE AND CRYSTAL VIOLET WITH A NOVEL BIOSORBENT: OAK GALLS**  
BAĞDA E., BAĞDA E.  
JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY, vol.13, no.2, pp.517-531, 2012 (Journal Indexed in SCI)

### Articles Published in Other Journals

- I. **A versatile water soluble ball-type phthalocyanine as potential antiproliferative drug: the interaction with G-quadruplex formed from Tel 21 and cMYC**  
BAĞDA E., BAĞDA E., YABAŞ E.  
Journal of the Turkish Chemical Society, Section A: Chemistry, 2017 (Refereed Journals of Other Institutions)
- II. **A versatile water soluble ball-type phthalocyanine as potential antiproliferative drug: The interaction with G-quadruplex of Tel 21 and cMYC**  
BAĞDA E., BAĞDA E., YABAŞ E.  
Journal of the Turkish Chemical Society, Section A: Chemistry, 2017 (Other Refereed National Journals)
- III. **Investigation of adsorptive removal of tetracycline with sponge like Rosa canina gall extract modified polyacrylamide cryogels**  
BAĞDA E., ERŞAN M., BAĞDA E.  
JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, vol.1, no.4, pp.1079-1084, 2013 (Refereed Journals of Other Institutions)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Is AS1411 G-quadruplex a drug delivery vehicle for substituted gallium(III) phthalocyanine?**  
BAĞDA E., BAĞDA E., KARAKODAK N., ŞAHİN G., Akkuş N., DURMUŞ M.  
3rd International Eurasian Conference on Biological and Chemical Sciences(EurasianBioChem 2020), 19 - 20 March 2020
- II. **Structural stabilization or destabilization of AS1411 G-quadruplex forming aptamer with indium(III)phthalocyanine**  
BAĞDA E., BAĞDA E., ŞAHİN G., KARAKODAK N., Akkuş N., DURMUŞ M.  
3rd International Eurasian Conference on Biological and Chemical Sciences(EurasianBioChem 2020), 19 - 20 March 2020
- III. **Novel gallium(III) and indium(III) phthalocyanines for photodynamic therapy**  
Akkuş N., DURMUŞ M., BAĞDA E., BAĞDA E.  
3rd International Eurasian Conference on Biological and Chemical Sciences(EurasianBioChem 2020), 19 - 20 March 2020
- IV. **Investigation of the modification of oleate-capped UCNPs with G-quadruplex**  
BAĞDA E., BAĞDA E., Kizilyar H. Y. , Mehrnia M., Ghaffarlou M., BARSBAY M.  
3rd International Eurasian Conference on Biological and Chemical Sciences(EurasianBioChem 2020), 19 - 20 March 2020
- V. **Synthesis of octa substituted gallium(III) and indium(III) phthalocyanine photosensitizers for photodynamictherapy**  
DURMUŞ M., Akkuş N., BAĞDA E., BAĞDA E.  
3rd International Eurasian Conference on Biological and Chemical Sciences(EurasianBioChem 2020), 19 - 20 March 2020
- VI. **PİRİDİN TETRA SÜBSTİTÜYE MONOFTALOSİYANİNLERİN DNA, TOPOİZOMERAZ ETKİLEŞİMLERİ**  
BAĞDA E., BAĞDA E., YABAŞ E., CANTÜRK KILIÇKAYA P., Yılmaz H. E.  
Biomed 2018, Turkey, 15 - 16 December 2018
- VII. **Farklı Ftalosiyanın Moleküllerinin DNA ile Etkileşimleri**  
KARAKODAK N., BAĞDA E., BAĞDA E., ŞAHİN G., HARMANDAR K., Khaoula K., DURMUŞ M.  
BİOMED 2018, Turkey, 15 - 16 December 2018
- VIII. **Tel 21 G-quadrupleks DNA-Bakır Ftalosiyanın Etkileşimi**  
ŞAHİN G., BAĞDA E., GÖKTUĞ Ö., DURMUŞ M.  
Biomed 2018, 15 - 16 December 2018
- IX. **Effect of ethylenediaminetetraacetic acid on extraction of iron with novel extractive solvent**  
BAĞDA E., ALTUNDAĞ H.  
ICINSE2018-KIEV, 7 - 10 September 2018
- X. **A new simple and rapid extraction technique coupled with induced coupled plasma optical emission spectroscopy for trace determination of manganese from meat samples**  
Akin A., BAĞDA E., ALTUNDAĞ H.  
ICINSE2018-KIEV, 7 - 10 September 2018
- XI. **AKDENİZ VE EGE BÖLGELERİ HEMİDACTYLUS TURCİCUS (LİNNAEUS, 1758)POPULASYONLARININ GENETİK VARYASYONU**  
BAĞDA E., BAĞDA E.  
1st international congress on social sciences humanities and educations, 22 - 23 December 2017
- XII. **FOTODUYARLAŞTICI BİLEŞİKLER VE BİYOLOJİK UYGULAMALARI**  
BAĞDA E., BAĞDA E., YABAŞ E.  
1st international congress on social sciences humanities and education, 22 - 23 December 2017
- XIII. **SUDA ÇÖZÜNEN MONO- VE SANDVIÇ TİP FTALOSİYANİN MOLEKÜLLERİNİN AMES/MİKROZOM MUTAJENİTE TESTLERİ**  
BAĞDA E., BAĞDA E., YABAŞ E., YILDIRIM Ş., Yılmaz H. E.  
1st international congress on social sciences humanities and educations, 22 - 23 December 2017

- XIV. **Usage in removal of indigo carmine by cross linked egg white as new biosorbent**  
OYMAK T., BAĞDA E.  
19th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, 4 - 06 October 2017
- XV. **İYONİK SIVI DAĞILIMLI SIVI SIVI MİKROEKSTRAKSİYON YÖNTEMİ İLE NİKELİN ÖNDERİŞTİRİLMESİ VE AAS İLE TAYİNİ**  
BAĞDA E., KARTAL TEMEL N., TÜZEN M.  
XV. Ulusal Spektroskopi Kongresi-Yalova, Turkey, 17 - 19 May 2017
- XVI. **İndium (III) ftalosiyanın bileşiğinin farklı DNA türleri ile etkileşimlerinin incelenmesi**  
BAĞDA E., BAĞDA E., DURMUŞ M.  
XV. ulusal spektroskopi kongresi, Turkey, 17 - 19 May 2017
- XVII. **GIDA ÖRNEKLERİNDE MANGAN TAYİNİ İÇİN DERİN ÖTEKTİK ÇÖZÜCÜ SİSTEMLERİ**  
BAĞDA E., ALTUNDAĞ H., SOYLAK M.  
XV. Ulusal Spektroskopi Kongresi-Yalova, Turkey, 17 - 19 May 2017
- XVIII. **Preparation of Molecularly-Imprinted Non-Woven Fabrics Selective For Tetracycline Binding**  
AKBULUT SÖYLEMEZ M., BARSBAY M., BAĞDA E., Güven O.  
2nd IWA Regional International Symposium on Water, Wastewater and Environment (IWA-PPFW2017), Çeşme, Turkey, 22 - 24 March 2017
- XIX. **DNA etkileşimli top tipi ftalosiyanın molekülünün kemik ve meme kanseri fotodinamik terapide kullanılabilirliği**  
SOYLU S., BAĞDA E., ALTUN A., Yavaş E., BAĞDA E., KURT A.  
first international academic research congress, 3 - 05 November 2016
- XX. **DNA Etkileşimli Top Tipi Ftalosiyanın Molekülünün Kemik ve Meme Kanseri Fotodinamik Terapide Kullanılabilirliği**  
SOYLU S., BAĞDA E., ALTUN A., YABAŞ E., BAĞDA E., KURT A.  
INTERNATIONAL INES ACADEMIC RESEARCH CONGRESS, 3 - 05 November 2016
- XXI. **DNA ETKİLEŞİMLİ TOP TİPİ FTALOSİYANIN MOLEKÜLÜNÜN KEMİK VE MEME KANSERİ FOTODİNAMİK TERAPİDE KULLANILABİLİRLİĞİ**  
SOYLU S., BAĞDA E., ALTUN A., BAĞDA E., KURT A.  
1. INTERNATIONAL ACADEMIC RESEARCH CONGRESS, 3 - 05 November 2016, pp.464
- XXII. **DERİN ÖTEKTİK ÇÖZÜCÜLER KULLANARAK SEDİMENT ÖRNEKLERİNDE AĞIR METAL EKSTRAKSİYONU VE ICP OES TAYİNLERİ**  
BAĞDA E., ALTUNDAĞ H., TÜZEN M., SOYLAK M.  
ESAN 2016, Turkey, 19 - 22 May 2016
- XXIII. **INVESTIGATION OF PROPERTIES OF WATER SOLUBLE 1,2-DIMETHYLAMINO ETHYL 1H-TETRAZOLE SUBSTITUTED METAL FREE AND ZINC II MONOPHTHALOCYANINES**  
YABAŞ E., BAĞDA E.  
1st International Turkic World Conference on Chemical Sciences and Technologies, 27 October - 01 November 2015
- XXIV. **Analytical Investigation Of A New Sandwich Type Phthalocyanine and Oncogene Interaction**  
BAĞDA E., YABAŞ E., BAĞDA E.  
1st International Turkic World Conference on Chemical Sciences and Technologies, 27 October - 01 November 2015
- XXV. **SYNTHESIS AND SPECTROSCOPIC PROPERTIES OF NEW WATER SOLUBLE MONOPHTHALOCYANINES**  
YABAŞ E., BAĞDA E.  
COLLOQUIUM SPECTROSCOPICUM INTERNATIONALE XXXIX, 30 August - 03 September 2015
- XXVI. **Spectrophotometric determination of uranium after ionic liquid based dispersive liquid-liquid microextraction**  
BAĞDA E., TÜZEN M.  
COLLOQUIUM SPECTROSCOPICUM INTERNATIONALE XXXIX, 30 Ağustos-3 Eylül 2015., 30 August - 03 September 2015

- XXVII. **Interaction of a new sandwich type phthalocyanine with DNA A potential anticancer agent**  
BAĞDA E., YABAŞ E., BAĞDA E.  
COLLOQUIUM SPECTROSCOPICUM INTERNATIONALE XXXIX, 30 August - 03 September 2015
- XXVIII. **Determination of zirconium with 2 5 Bromo 2 pyridylazo 5 diethylamino phenol in water artificial saliva and dental materials after ionic liquid based microextraction**  
BAĞDA E., TÜZEN M.  
COLLOQUIUM SPECTROSCOPICUM INTERNATIONALE XXXIX, 30 Ağustos-3 Eylül 2015., 30 August - 03 September 2015
- XXIX. **Investigation of Properties of Water Soluble 1 2 8dimethylamino ethyl 1H Tetrazole Sustituted Metal Free and Zinc II Monophthalocyanines**  
YABAŞ E., BAĞDA E.  
1st International Turkic World Conference on Chemical Sciences and Technologies, 27 ekim-1 kasım 2015., 27 October - 01 November 2015
- XXX. **Çeşitli Su Örneklerinde Uranyum İyonunun İyonik Sıvı Dağılımlı Sıvı Sıvı Mikroekstraksiyonu ile Zenginleştirilmesi ve Spektrofotometrik Tayini**  
BAĞDA E., TÜZEN M.  
XIV. Ulusal Spektroskopi Kongresine, Turkey, 29 - 31 May 2015
- XXXI. **Decolourization of a Cationic Dye by Advanced Oxidation Process and Biosorption**  
KARTAL TEMEL N., BAĞDA E.  
Esan-2014, III.Eser Analiz Çalıştayı,Tokat, Turkey, 14 - 18 May 2014
- XXXII. **Ball Top Tipi Çinko II Ftalosiyanınların Sentezi Ve Spektrofotometrik Olarak DNA Bağlanma Özelliğinin İncelenmesi**  
YABAŞ E., BAĞDA E., BAĞDA E.  
III. Eser Analiz Çalıştayı, Turkey, 15 - 18 May 2014
- XXXIII. **URANYUMUN SPEKTROFOTOMETRİK TAYİNİ ÖNCESİ Br PADAPMODİFİYE EDİLMİŞ KRİYOJELLER İLE ÖN DERİŞTİRİLMESİ**  
BAĞDA E., YABAŞ E.  
ESAN 2014, Turkey, 15 - 18 May 2014
- XXXIV. **BALL ) (TOP TİPİ ÇİNKO II FTALOSİYANİNLERİN SENTEZİ VE SPEKTROFOTOMETRİK OLARAK DNA BAĞLANMA ÖZELLİĞİNİN İNCELENMESİ**  
YABAŞ E., BAĞDA E., BAĞDA E.  
ESAN 2014, Turkey, 15 - 18 May 2014
- XXXV. **Uranyumun Spektrofotometrik Tayini Öncesi Br PADAP Modifiye Edilmiş Kriyojeller İle Ön Deriştirilmesi**  
BAĞDA E., YABAŞ E.  
III. Eser Analiz Çalıştayı, Turkey, 15 - 18 May 2014
- XXXVI. **Adsorptive Removal of Cu II with novel alumina iron oxide and alumina iron oxide modified polymeric composites**  
ERŞAN M., BAĞDA E., DÜĞENCİ F., BULUT E., ÖZTÜRK D., DEMET A.  
44. World Chemistry Congress, İstanbul, Turkey, 11 August 2013
- XXXVII. **Removal of uranyl ions with cryogels having extreme characteristics produced from Quercus macrenthera gall s extract**  
BAĞDA E., ERŞAN M., YABAŞ E., BULUT E.  
44. World Chemistry Congress, İstanbul, Turkey, 11 August 2013
- XXXVIII. **Adsorptive removal of tetracycline TC from aqueous environment by a new type of sorbent**  
ERŞAN M., BAĞDA E., DÜĞENCİ F., BULUT E., ÖZTÜRK D., ARSLANLI D.  
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## Citations

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