

## Prof. ESRA BAĞDA

### Personal Information

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### Education Information

Doctorate, Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, Turkey 2006 - 2010

Postgraduate, Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, Turkey 2003 - 2006

Undergraduate, Hacettepe University, Fen Fakültesi, Kimya Bölümü, Turkey 1997 - 2002

### Academic Titles / Tasks

Professor, University of Waterloo, 2023 - Continues

Professor, Sivas Cumhuriyet University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2023 - Continues

Professor, "Lucian Blaga" University of Sibiu , Pharmacy, 2023 - 2023

Associate Professor, Sivas Cumhuriyet University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2018 - 2023

Professor, Ecole Polytechnique, 2022 - 2022

Assistant Professor, Sivas Cumhuriyet University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2013 - 2018

Research Assistant, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 2003 - 2013

Research Assistant, University of Helsinki, 2007 - 2007

Associate Professor, Johann Wolfgang Goethe-Universitaet Frankfurt am Main, 2002 - 2002

### Courses

İlaç Tasarımında İleri Enstrümantal Teknikler, Undergraduate, 2018 - 2019

Araştırma Projesi Uygulama Dersi - II, Undergraduate, 2018 - 2019

Seminer, Postgraduate, 2019 - 2020

Eczacılık Elektrokimyasal Analiz, Undergraduate, 2018 - 2019

Eczacılıkta İleri Enstrümantal Teknikleri, Postgraduate, 2019 - 2020

Analitik Yöntem Validasyonu, Postgraduate, 2019 - 2020

Uzmanlık Alan Dersi, Postgraduate, 2019 - 2020

Özütleme Teknikleri, Postgraduate, 2018 - 2019

İlaç DNA Etkileşimlerinde Analitik Kimyasal Yaklaşımlar, Postgraduate, 2019 - 2020

Analitik Kimya - II, Undergraduate, 2018 - 2019

Araştırma Projesi Dersi - I, Undergraduate, 2019 - 2020

Analitik Kimya - I, Undergraduate, 2018 - 2019

İlaç Analizlerinde Ayırma Teknikleri, Undergraduate, 2017 - 2018

Kimyasal Analiz Sonuçlarının İstatistiksel Değerlendirilmesi, Undergraduate, 2018 - 2019

Genel Kimya - II, Undergraduate, 2016 - 2017

Eser Element Analizi, Postgraduate, 2016 - 2017

Genel Kimya - I, Undergraduate, 2016 - 2017

Polimerlerin Analitik ve Çevre Kimyasındaki Kullanım Alanları, Postgraduate, 2015 - 2016

Elektroforez ve Kapiler Elektroforez Teknikleri, Postgraduate, 2016 - 2017  
Kromatografik Analiz Yöntemleri, Undergraduate, 2014 - 2015  
Genel Kimya, Undergraduate, 2014 - 2015  
İngilizce - II, Associate Degree, 2012 - 2013

## Advising Theses

Bağda E., Dna ftalosiyanın etkileşimlerinin UV- görünür bölge, floresans spektroskopisi, jel elektroforez ve erime yöntemleri ile incelenmesi, Postgraduate, B.PEKPAZAR(Student), 2021  
Bağda E., Oymak T., Kuantum nokta entegre biyosensör geliştirilerek çift sarmal ve g-quadrupleks dna tayininde kullanılabilirliğinin araştırılması, Postgraduate, A.TOPCU(Student), 2021  
Bağda E., Monomerik ve Multimerik Telomerik G-Quadrupleks DNA Yapıları ile Ftalosiyanın Bileşiklerinin Etkileşimlerinin Analitik Tekniklerle Araştırılması, Postgraduate, S.YILMAZ(Student), 2021  
Bağda E., Suda çözünür bakır ve okso-titanyum (IV) ftalosiyanın bileşiklerinin G-quadrupleks DNA etkileşimlerinin CD spektroskopisi ve izotermal titrasyon kalorimetrisi ile araştırılması, Postgraduate, G.ŞAHİN(Student), 2020  
Bağda E., Suda Çözünen Ftalosiyanın Bileşiklerin Paralel ve Hibrit G-quadrupleks DNA Molekülleri ile Etkileşiminin İncelenmesi, Postgraduate, F.AYDIN(Student), 2020  
Bağda E., Süt tozu numunelerinden ağır metal ekstraksiyonu için derin ötektik çözücülerin kullanılabilirliği, Postgraduate, A.KURT(Student), 2019

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

- I. **The targeted photodynamic therapy of breast cancer with novel AS1411-indium(III) phthalocyanine conjugates**  
Akkuş N., Eksin E., Şahin G., Yıldız E., BAĞDA E., ALTUN A., BAĞDA E., Durmuş M., Erdem A.  
Journal of Molecular Structure, vol.1305, 2024 (SCI-Expanded)
- II. **Thermodynamic and structural investigation of the interaction of quaternized 2,3-octakis-[(2-mercaptopyridine)phthalocyaninato] copper (II) sulfate (CuPc) with parallel and hybrid type G-quadruplex**  
Şahin G., BAĞDA E., Göktuğ Temiz Ö., BAĞDA E., Ayhan E., Durmuş M.  
Journal of Molecular Recognition, vol.37, no.2, 2024 (SCI-Expanded)
- III. **Interaction of water soluble phthalocyanine compounds with parallel and hybrid G-quadruplex DNA molecules**  
Aydin F., BAĞDA E., BAĞDA E., Durmuş M.  
Polyhedron, vol.238, 2023 (SCI-Expanded)
- IV. **A porous fabric-based molecularly imprinted polymer for specific recognition of tetracycline by radiation-induced RAFT-mediated graft copolymerization**  
AKBULUT SÖYLEMEZ M., Can H. K., BAĞDA E., BARSBAY M.  
RADIATION PHYSICS AND CHEMISTRY, vol.199, 2022 (SCI-Expanded)
- V. **Development of quantum dot-phthalocyanine integrated G-quadruplex /double-stranded DNA biosensor**  
Topcu A., BAĞDA E., OYMAK T., Durmuş M.  
Analytical Biochemistry, vol.654, 2022 (SCI-Expanded)
- VI. **Deep Eutectic Solvent-based Extraction of As, Mn, Pb, Cr, and Ni from Spleen, Kidney, and Brain Samples**  
Bağda E., Altundağ H., Keskin C. S.  
Journal of Analytical Chemistry, vol.77, no.9, pp.1111-1118, 2022 (SCI-Expanded)
- VII. **One-pot modification of oleate-capped UCNPs with AS1411 G-quadruplex DNA in a fully aqueous medium**

- BAĞDA E., Kizilyar Y., Ghaffarlou M., BARSBAY M.  
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, vol.642, 2022 (SCI-Expanded)
- VIII. **EXTRACTION AND DETERMINATION OF Cd, Co, Se, V AND Ag LEVELS IN COW'S MUSCLE, LIVER, KIDNEY, LUNG, SPLEEN AND BRAIN SAMPLES**  
BAĞDA E., Altundağ H., Keskin C. S.  
Revue Roumaine de Chimie, vol.67, no.4-5, pp.293-304, 2022 (SCI-Expanded)
- IX. **Determination of Sulfadiazine in Natural Waters by Pine Needle Biochar - Derivatized Magnetic Nanocomposite Based Solid-Phase Extraction (SPE) with High-Performance Liquid Chromatography (HPLC)**  
Avcı R. N., OYMAK T., BAĞDA E.  
ANALYTICAL LETTERS, vol.55, no.16, pp.2495-2506, 2022 (SCI-Expanded)
- X. **Interaction of water soluble cationic gallium(III) phthalocyanines with different G-quadruplex DNAs**  
Yilmaz H. E., BAĞDA E., BAĞDA E., DURMUŞ M.  
POLYHEDRON, vol.208, 2021 (SCI-Expanded)
- XI. **Investigation of Binding behaviour of a water-soluble gallium (III) phthalocyanine with double-stranded and G-quadruplex DNA via experimental and computational methods**  
BAĞDA E., BAĞDA E., KOÇAK A., DURMUŞ M.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1240, 2021 (SCI-Expanded)
- XII. **BSA/DNA binding behavior and the photophysicochemical properties of novel water soluble zinc(II)phthalocyanines directly substituted with piperazine groups**  
Khezami K., Harmandar K., BAĞDA E., BAĞDA E., Sahin G., Karakodak N., DURMUŞ M.  
JOURNAL OF BIOLOGICAL INORGANIC CHEMISTRY, vol.26, no.4, pp.455-465, 2021 (SCI-Expanded)
- XIII. **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 (SCI-Expanded)
- XIV. **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 (SCI-Expanded)
- XV. **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 (SCI-Expanded)
- XVI. **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 (SCI-Expanded)
- XVII. **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 (SCI-Expanded)
- XVIII. **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 (SCI-Expanded)
- XIX. **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 (SCI-Expanded)
- XX. **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 (SCI-Expanded)

- XXI. **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 (SCI-Expanded)
- XXII. **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 (SCI-Expanded)
- XXIII. **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 (SCI-Expanded)
- XXIV. **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 (SCI-Expanded)
- XXV. **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 (SCI-Expanded)
- XXVI. **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 (SCI-Expanded)
- XXVII. **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 (SCI-Expanded)
- XXVIII. **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 (SCI-Expanded)
- XXIX. **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 (SCI-Expanded)
- XXX. **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 (SCI-Expanded)
- XXXI. **Determination of vanadium in groundwater samples with an improved kinetic spectrophotometric method**  
Bagda E.  
ENVIRONMENTAL TECHNOLOGY, vol.35, no.9, pp.1165-1174, 2014 (SCI-Expanded)
- XXXII. **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 (SCI-Expanded)
- XXXIII. **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 (SCI-Expanded)
- XXXIV. **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 (SCI-Expanded)
- XXXV. **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 (SCI-Expanded)
- XXXVI. **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 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Determination and Speciation of Selenium in Pharmaceutical Samples, Spiked Veterinary Drug Samples with a Kinetic Catalytic Method**  
BAĞDA E.  
Hittite Journal of Science and Engineering, vol.10, no.2, pp.185-191, 2023 (Peer-Reviewed Journal)
- II. **Investigation of Interaction of Bismarck Brown Y- Palladium Complex with AS1411 G-quadruplex Aptamer**  
BAĞDA E., Durak R., BAĞDA E., DUMAN D., AYHAN E.  
Turkish Journal of Analytical Chemistry (Online), vol.4, pp.116-122, 2022 (Peer-Reviewed Journal)
- III. **Decolourization of Methylene Blue in Aqueous Solution by Photocatalytic Oxidation, Fenton Oxidation and Biosorption**  
KARTAL TEMEL N., BAĞDA E.  
CUMHURİYET SCIENCE JOURNAL, vol.43, 2022 (Peer-Reviewed Journal)
- IV. **The recent studies about the interaction of phthalocyanines with DNA**  
BAĞDA E., BAĞDA E.  
Turkish Journal of Analytical Chemistry, 2022 (Peer-Reviewed Journal)
- V. **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 (Peer-Reviewed Journal)
- VI. **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 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **The up-to-date analytical/molecular and instrumental techniques for clarifying the drug-DNA interaction**  
BAĞDA E., BAĞDA E.  
5th International Eurasian Conference on Biological and Chemical Sciences, Turkey, 23 November 2022

- II. **AS1411: an important G-quadruplex aptamer with excellent therapeutic applications**  
BAĞDA E., BAĞDA E.  
5th International Eurasian Conference on Biological and Chemical Sciences, Turkey, 23 November 2022
- III. **Monomerik ve Multimerik Telomerik G-Quadrupleks DNA Yapıları ile Galyum Ftalosiyanın Bileşiklerinin Etkileşimlerinin Dairesel Dikroizm Spektroskopisi ile Araştırılması**  
YILMAZ S., BAĞDA E., DURMUŞ M.  
4th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2021), Ankara, Turkey, 24 - 26 November 2021, pp.38
- IV. **Investigation of Interactions of Indium-Phthalocyanine with Telomeric G-Quadruplex DNA by Different Analytical Techniques**  
YILMAZ S., BAĞDA E., DURMUŞ M.  
4th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2021), Ankara, Turkey, 24 - 26 November 2021, pp.1147
- V. **Development Of Nucleolin-Targeted Phthalocyanine Loaded G-Quadruplex Drug Carrier Systems**  
BAĞDA E., BAĞDA E., DURMUŞ M.  
8th Multidisciplinary Cancer Research Congress, 16 January 2021
- VI. **The Photocytotoxic Effects Of G-Quadruplex Structured AS1411 Aptamers (APT) And The Conjugates Of Newly Synthesized Phthalocyanine (Pc) Compounds (Pc-5 And Pc-15) On Doxorubicin Sensitive/Resistant Breast Cancer And Mammary Gland Epithelial Cell Lines**  
ALTUN A., BAĞDA E., BAĞDA E., DURMUŞ M.  
8th Multidisciplinary Cancer Research Congress, Turkey, 16 January 2021
- VII. **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
- VIII. **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
- IX. **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
- X. **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
- XI. **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
- XII. **Synthesis of novel gallium(II) and indium(II) phthalocyanines for photodynamic therapy of cancer cell lines**  
Akkuş N., DURMUŞ M., BAĞDA E., BAĞDA E.  
2nd International Eurasian Conference on Biological and Chemical Sciences, 28 - 29 June 2019
- XIII. **Synthesis of new gallium(II) and indium(II) phthalocyanines for photodynamic therapy of cancer cell lines**  
akkuş n., DURMUŞ M., BAĞDA E., BAĞDA E.  
4th GTU Photodynamic Day, 25 April 2019

- XIV. **PİRİDİN TETRA SÜBSTİTÜYE MONOFTALOSİYANİNLERİN DNA, TOPOİZOMERAZ ETKİLEŞİMLERİ**  
Bağda E., Bağda E., Yabaş E., Cantürk Kılıçkaya P., Yılmaz H. E.  
Biomed 2018, İstanbul, Turkey, 15 - 16 December 2018
- XV. **Tel 21 G-quadrupleks DNA-Bakır Ftalosiyanın Etkileşimi**  
ŞAHİN G., BAĞDA E., GÖKTUĞ Ö., DURMUŞ M.  
Biomed 2018, 15 - 16 December 2018
- XVI. **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
- XVII. **A new simple and rapid extraction technique coupled with induced coupled plasma optical emission spectroscopy for trace determination of manganese from meat samples**  
Akın A., BAĞDA E., ALTUNDAĞ H.  
ICINSE2018-KIEV, 7 - 10 September 2018
- XVIII. **Effect of ethylenediaminetetraacetic acid on extraction of iron with novel extractive solvent**  
BAĞDA E., ALTUNDAĞ H.  
ICINSE2018-KIEV, 7 - 10 September 2018
- XIX. **FOTODUYARLAŞTICI BİLEŞİKLER VE BİYOLOJİK UYGULAMALARI**  
BAĞDA E., BAĞDA E., YABAŞ E.  
1st international congress on social sciences humanities and education, 22 - 23 December 2017
- XX. **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
- XXI. **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
- XXII. **Usage in removal of indigo carmine by cross linkedegg white as new biosorbent**  
OYMAK T., BAĞDA E.  
19th International Symposium on EnvironmentalPollution and its Impact on Life in theMediterranean Region, 4 - 06 October 2017
- XXIII. **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
- XXIV. **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
- XXV. **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
- XXVI. **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
- XXVII. **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
- XXVIII. **DNA etkileşimli top tipi ftalosiyanın molekülünün kemik ve meme kanseri fotdinamik terapide kullanılabilirliği**

SOYLU S., BAĞDA E., ALTUN A., Yavaş E., BAĞDA E., KURT A.

first international academic research congress, 3 - 05 November 2016

- XXIX. **DNA ETKİLEŞİMLİ TOP TIPI FTALOSİYANİN MOLEKÜLÜNÜN KEMİK VE MEME KANSERİ FOTODİNAMİKTERAPİDE KULLANILABİLİRLİĞİ**  
SOYLU S., BAĞDA E., ALTUN A., BAĞDA E., KURT A.  
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- XXX. **DERİN ÖTEKTİK ÇÖZÜCÜLER KULLANARAK SEDİMENT ÖRNEKLERİNDEAĞIR METAL EKSTRAKSİYONU VE ICP OES TAYİNLERİ**  
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- XXXI. **Analytical Investigation Of A New Sandwich Type Phthalocyanine and Oncogene Interaction**  
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- XXXIV. **Determination of zirconium with 2 5 Bromo 2 pyridylazo 5 diethylamino phenol in water artificial saliva and dental materials after ionic liquid based microextraction**  
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- XLVI. Adsorptive Removal of Cu II with novel alumina iron oxide and alumina iron oxide modified polymeric composites**  
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- XLVII. Adsorptive removal of tetracycline TC from aqueous environment by a new type of sorbent**  
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- Bağda E., Bağda E., Project Supported by Higher Education Institutions, Nükleolin hedefli G-quadrupleks taşıyıcı sisteme dayalı akıllı kemoterapötik ajan geliştirilmesi ve fotodinamik terapide uygulamaları” adlı 118Z204 numaralı TÜBİTAK projesi kapsamında bilim insanı yetiştirme ve geliştirme projesi, 2019 - 2022
- Bağda E., Doğan M., Bağda E., Project Supported by Higher Education Institutions, Kulak Yolu Küreti Dezenfeksiyonunda Yeni Yöntem Geliştirme: Fotodinamik Dezenfeksiyon, 2019 - 2021
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- Bağda E., Bağda E., Durmuş M., Altun A., Erdem Gürsan K. A., TUBİTAK Project, Nükleolin Hedefli G-Quadrupleks Taşıyıcı Sisteme Dayalı Akıllı Kemoterapötik Ajan Geliştirilmesi Ve Fotodinamik Terapide Uygulamaları, 2018 - 2021
- Bağda E., Project Supported by Higher Education Institutions, Suda Çözünür bakır ve okso-titanyum (IV) ftalosiyanın bileşiklerinin G-Quadrupleks DNA etkileşimlerinin CD spektroskopisi ve izotermal titrasyon kalorimetrisi ile araştırılması CÜBAP Proje No ECZ 062, 2018 - 2020
- Bağda E., Bağda E., Durmuş M., Şahin G., Karakodak N., Project Supported by Higher Education Institutions, İndiyum Merkez Atomlu Ftalosiyanın Fotoduyarlayıcı Moleküllerin ct DNA ve G-quadruplex DNA lar ile Etkileşiminin İncelenmesi, 2017 - 2018
- Özdemir Kol İ., Bağda E., Bağda E., Gürsoy S., Yabaş E., Yılmaz H. E., Project Supported by Higher Education Institutions, Medikal Amaçlı Antimikrobiyal Fotodinamik Terapi ve İnaktivasyon, 2016 - 2018
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### **Mobility Activity**

Other, Guest Researcher, Ecole Polytechnique, France, 2022 - Continues

Post Doc, Post Doc, Johann Wolfgang Goethe-Universitaet Frankfurt am Main, Germany, 2022 - 2022

### **Metrics**

Publication: 89

Citation (WoS): 597

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H-Index (Scopus): 11