

SARIYE İREM KAYA

Doç. Dr.

sariyeirem.kaya@sbu.edu.tr



Öğrenim Bilgisi

Yüksek Lisans 2023 - 2025	HACETTEPE ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ/ KBRN TEHDİTLERİ VE YÖNETİMİ (YL) (TEZSİZ)
Doktora 2017 - 2022	ANKARA ÜNİVERSİTESİ SAĞLIK BİLİMLERİ ENSTİTÜSÜ/ ANALİTİK KİMYA (DR) Tez Adı : Endokrin bozucu bazı kimyasalların seçici ve hassas sensörlerle tayini (2022) Tez Danışmanı : (Sibel Aysıl Özkan)
Lisans 2013 - 2016	ANADOLU ÜNİVERSİTESİ İŞLETME FAKÜLTESİ/ İŞLETME BÖLÜMÜ/ İŞLETME PR. (AÇIKÖĞRETİM)
Lisans 2012 - 2017	ANKARA ÜNİVERSİTESİ ECZACILIK FAKÜLTESİ/ ECZACILIK PR.

Görevler

DOKTOR ÖĞRETİM ÜYESİ 2022	SAĞLIK BİLİMLERİ ÜNİVERSİTESİ / GÜLHANE ECZACILIK FAKÜLTESİ / TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ / ANALİTİK KİMYA ANABİLİM DALI
------------------------------	---

Ödüller

- En Fazla Atıf Yapılan Öğretim Üyesi , SAĞLIK BİLİMLERİ ÜNİVERSİTESİ , 2023
- En Genç Araştırmacı , SAĞLIK BİLİMLERİ ÜNİVERSİTESİ , 2022

Dersler *

	Öğrenim Dili	Ders Saati
2024-2025		
Lisans		
FARMASÖTİK GENEL KİMYA-2	Türkçe	3
FARMASÖTİK GENEL KİMYA-1	Türkçe	3
FARMASÖTİK ANALİTİK KİMYA-2	Türkçe	3
FARMASÖTİK ANALİTİK KİMYA-1	Türkçe	3
FARMASÖTİK ANALİTİK KİMYA LABORATUVARI-2	Türkçe	4
FARMASÖTİK ANALİTİK KİMYA LABORATUVARI-1	Türkçe	4
İLAÇ SANAYİNDE ANALİZLER	Türkçe	2
Yüksek Lisans		
ANALİZ SONUÇLARININ DEĞERLENDİRİLMESİ	Türkçe	3
ENSTRÜMENTAL ANALİZ II PRATİK	Türkçe	5

2023-2024

Lisans

FARMASÖTİK ANALİTİK KİMYA LABORATUVARI-2	Türkçe	4
FARMASÖTİK GENEL KİMYA-2	Türkçe	3
FARMASÖTİK ANALİTİK KİMYA-2	Türkçe	3
FARMASÖTİK ANALİTİK KİMYA LABORATUVARI-1	Türkçe	4
FARMASÖTİK ANALİTİK KİMYA-1	Türkçe	3
FARMASÖTİK GENEL KİMYA-1	Türkçe	3
İLAÇ SANAYİİNDE ANALİZLER	Türkçe	2

2022-2023

Lisans

FARMASÖTİK ANALİTİK KİMYA LABORATUVARI-2	Türkçe	4
FARMASÖTİK ANALİTİK KİMYA LABORATUVARI-1	Türkçe	4
FARMASÖTİK ANALİTİK KİMYA-2	Türkçe	3
FARMASÖTİK ANALİTİK KİMYA-1	Türkçe	3
FARMASÖTİK GENEL KİMYA-2	Türkçe	3
FARMASÖTİK GENEL KİMYA-1	Türkçe	3
İLAÇ SANAYİİNDE ANALİZLER	Türkçe	2

2021-2022

Lisans

FARMASÖTİK ANALİTİK KİMYA LABORATUVARI-2	Türkçe	4
FARMASÖTİK ANALİTİK KİMYA LABORATUVARI-1	Türkçe	4

Eserler

Uluslararası hakemli dergilerde yayımlanan makaleler:

- 1 . SAMANCI ŞEYDA NUR,KAYA SARIYE İREM,ÜNAL MEHMET ALTAY,ÖZKAN SİBEL AYŞIL (2025). Eco-friendly nanoscale recognition: a MIP-based electrochemical sensor for selective determination of abacavir in pharmaceutical and serum samples. Analytical and Bioanalytical Chemistry Doi: 10.1007/s00216-025-06261-9 (Yayın No : 9939233)
- 2 . Budak Fatma,Çetinkaya Ahmet,KAYA SARIYE İREM,BELLUR ATICI ESEN,ÖZKAN SİBEL AYŞIL (2025). Development of a sensitive and simple method for the analysis of upadacitinib in biological samples using two different electrodes. Ionics, 31(), Doi: 10.1007/s11581-024-05921-7 (Yayın No : 9496837)
- 3 . Alahmad Waleed,Budak Fatma,KAYA SARIYE İREM,Çetinkaya Ahmet,BELLUR ATICI ESEN,ÖZKAN SİBEL AYŞIL (2025). Design of the MIP-based electrochemical sensing strategy for highly sensitive and selective determination of selezipag. Microchemical Journal, 211(), Doi: 10.1016/j.microc.2025.113094 (Yayın No : 9939208)
- 4 . Çetinkaya Ahmet,YUSUFBEYOĞLU SADI,KAYA SARIYE İREM,BALDEMİR KILIÇ AYŞE,BELLUR ATICI ESEN,ÖZKAN SİBEL AYŞIL (2025). Design of a molecularly imprinted polymer sensor modified with saffron-based copper nanoflowers for highly selective and sensitive determination of bortezomib. Talanta, 282(), Doi: 10.1016/j.talanta.2024.127005 (Yayın No : 9496819)
- 5 . KUL AYKUT,Budak Fatma,Çetinkaya Ahmet,KAYA SARIYE İREM,AL AYŞE SELEN,SAĞIRLI AHMET OLCAY,ÖZKAN SİBEL AYŞIL (2025). Fabrication of a molecularly imprinted polymer-based electrochemical sensor for the selective assay of antipsychotic drug clozapine and performance comparison with LC-MS/MS. Talanta, 281(), Doi: 10.1016/j.talanta.2024.126810 (Yayın No : 9496833)
- 6 . Jadon Nimisha,Çetinkaya Ahmet,ÖZÇELİKAY AKYILDIZ GÖKSU,KAYA SARIYE İREM,BELLUR ATICI ESEN,UZUN LOKMAN,ÖZKAN SİBEL AYŞIL (2024). Development of a green-synthesized molecularly imprinted polymer-based electrochemical nanosensor for the determination of N-nitrosodimethylamine (NDMA) in serum and tap water. Microchimica Acta, 191(), Doi: 10.1007/s00604-024-06850-y (Yayın No : 9292825)
- 7 . Hosseinzadeh Batoul,Jadon Nimisha,ÖZÇELİKAY AKYILDIZ GÖKSU,KAYA SARIYE İREM,Çetinkaya Ahmet,BELLUR ATICI ESEN,ÖZKAN SİBEL AYŞIL (2024). Investigation of electrochemical behaviour and determination of Riociguat with bare GCE and molecularly imprinted polymer-based electrochemical sensor. Electrochimica Acta, 503(), Doi: 10.1016/j.electacta.2024.144823 (Yayın No : 9079599)

Uluslararası hakemli dergilerde yayımlanan makaleler:

- 8 . KARADAŞ BAKIRHAN NURGÜL, Brahimi Mohamed, GÜNDÜZ MİYASE GÖZDE, KAYA SARIYE İREM, SEZİGEN SERMET, ÖZKAN SİBEL AYŞIL (2024). Experimental and computational perspectives on the interaction of nerve agent VX metabolite ethyl methylphosphonic acid with human serum albumin. *Microchemical Journal*, 205(), Doi: 10.1016/j.microc.2024.111406 (Yayın No : 9292977)
- 9 . Hosseinzadeh Batoul, KAYA SARIYE İREM, Çetinkaya Ahmet, BELLUR ATICI ESEN, ÖZKAN SİBEL AYŞIL (2024). Development of a molecularly imprinted polymer-based electrochemical sensor with metal-organic frameworks for monitoring the antineoplastic drug vismodegib. *Talanta*, 278(), Doi: 10.1016/j.talanta.2024.126510 (Yayın No : 9079600)
- 10 . Cheraghi Somaye, Çetinkaya Ahmet, KAYA SARIYE İREM, BELLUR ATICI ESEN, ÖZKAN SİBEL AYŞIL (2024). Sensitive and selective electrochemical sensor for palbociclib, a highly selective CDK4/6 inhibitor, based on molecularly imprinted polymer. *Microchemical Journal*, 201(), Doi: 10.1016/j.microc.2024.110689 (Yayın No : 9079611)
- 11 . HÜRKÜL MUHAMMED MESUD, Çetinkaya Ahmet, YAYLA ŞEYDA, KAYA SARIYE İREM, Budak Fatma, TOK KENAN CAN, GÜMÜŞTAŞ MEHMET, UZUN LOKMAN, ÖZKAN SİBEL AYŞIL (2024). Highly selective and sensitive molecularly imprinted sensors for the electrochemical assay of quercetin in methanol extracts of *Rubus sanctus* and *Fragaria vesca*. *Talanta*, 273(), Doi: 10.1016/j.talanta.2024.125883 (Yayın No : 9079614)
- 12 . Çetinkaya Ahmet, YUSUFBEYOĞLU SADİ, KAYA SARIYE İREM, BALDEMİR KILIÇ AYŞE, BELLUR ATICI ESEN, ÖZKAN SİBEL AYŞIL (2024). Plant-based zinc nanoflowers assisted molecularly imprinted polymer for the design of an electrochemical sensor for selective determination of abrocitinib. *Microchimica Acta*, 191(), Doi: 10.1007/s00604-024-06404-2 (Yayın No : 9079606)
- 13 . SAMANCI ŞEYDA NUR, Çetinkaya Ahmet, Doufene Nassim, Bounoua Nadia, KAYA SARIYE İREM, BELLUR ATICI ESEN, ÖZKAN SİBEL AYŞIL (2024). Electrochemical Determination of Anti-Cancer Drug Pazopanib with High Selectivity and Sensitivity Using Molecularly Imprinted Polymer-Modified Glassy Carbon Electrode. *Journal of The Electrochemical Society*, 171(), Doi: 10.1149/1945-7111/ad2cba (Yayın No : 9079626)
- 14 . Al Faysal Abdullah, Çetinkaya Ahmet, KAYA SARIYE İREM, ERDOĞAN TANER, ÖZKAN SİBEL AYŞIL, GÖLCÜ AYŞEGÜL (2024). Development and Fabrication of a Molecularly Imprinted Polymer-Based Electroanalytical Sensor for the Determination of Acyclovir. *ACS Omega*, 9(), Doi: 10.1021/acsomega.3c09399 (Yayın No : 9079629)
- 15 . SEZİGEN SERMET, KAYA SARIYE İREM, KARADAŞ BAKIRHAN NURGÜL, ÖZKAN SİBEL AYŞIL (2024). Development of a molecularly imprinted polymer-based electrochemical sensor for the selective detection of nerve agent VX metabolite ethyl methylphosphonic acid in human plasma and urine samples. *Analytical and Bioanalytical Chemistry*, 416(), Doi: 10.1007/s00216-024-05155-6 (Yayın No : 9079627)
- 16 . HÜRKÜL MUHAMMED MESUD, YAYLA ŞEYDA, Çetinkaya Ahmet, KAYA SARIYE İREM, UZUN LOKMAN, ÖZKAN SİBEL AYŞIL (2024). A novel electrochemical sensor based on a molecularly imprinted polymer for highly selective and sensitive determination of rutin from herbal supplements and plant extracts. *Analytical Methods*, 16(), Doi: 10.1039/d3ay02318d (Yayın No : 9079636)
- 17 . Budak Fatma, Çetinkaya Ahmet, KAYA SARIYE İREM, BELLUR ATICI ESEN, ÖZKAN SİBEL AYŞIL (2023). Investigations on the electrochemical behavior of sunitinib and metabolites N-desethyl-sunitinib and sunitinib-N-oxide and its selective determination using molecularly imprinted polymer-based sensor. *Electrochimica Acta*, 472(), Doi: 10.1016/j.electacta.2023.143434 (Yayın No : 8742897)
- 18 . Çetinkaya Ahmet, KAYA SARIYE İREM, Alahmad Waleed, BELLUR ATICI ESEN, ÖZKAN SİBEL AYŞIL (2023). Designing an electrochemical sensor based on ZnO nanoparticle-supported molecularly imprinted polymer for ultra-sensitive and selective detection of sorafenib. *Analytica Chimica Acta*, 1280(), Doi: 10.1016/j.aca.2023.341866 (Yayın No : 8742920)
- 19 . Alahmad Waleed, Çetinkaya Ahmet, KAYA SARIYE İREM, Varanusupakul Pakorn, ÖZKAN SİBEL AYŞIL (2023). Evaluation of electrochemical behavior combined with the sensitive and selective determination of ceftriaxone using molecularly imprinted polymer-based sensor. *Microchemical Journal*, 193(), Doi: 10.1016/j.microc.2023.109167 (Yayın No : 8520058)
- 20 . KAYA SARIYE İREM, KARADAŞ BAKIRHAN NURGÜL, ÇORMAN MEHMET EMİN, UZUN LOKMAN, ÖZKAN SİBEL AYŞIL (2023). Comparative MIP sensor technique: photopolymerization or thermal polymerization for the sensitive determination of anticancer drug Regorafenib in different matrixes. *Microchimica Acta*, 190(), Doi: 10.1007/s00604-023-05963-0 (Yayın No : 8520017)
- 21 . KAYA SARIYE İREM, Majidian Mahsa, ÖZÇELİKAY AKYILDIZ GÖKSU, Çetinkaya Ahmet, DOĞAN TOPAL BURCU, BELLUR ATICI ESEN, ÖZKAN SİBEL AYŞIL (2023). A Comparative Study of Molecular Imprinting Techniques Used for Fabrication of Electrochemical Sensor of Olaparib. *Journal of The Electrochemical Society*, 170(), Doi: 10.1149/1945-7111/acf620 (Yayın No : 8520042)

Uluslararası hakemli dergilerde yayımlanan makaleler:

- 22 . Budak Fatma,Çetinkaya Ahmet,KAYA SARIYE İREM,BELLUR ATİCİ ESEN,ÖZKAN SİBEL AYŞIL (2023). A molecularly imprinted polymer-based electrochemical sensor for the determination of tofacitinib. *Microchimica Acta*, 190(), Doi: 10.1007/s00604-023-05790-3 (Yayın No : 8520075)
- 23 . Budak Fatma,Çetinkaya Ahmet,KAYA SARIYE İREM,BELLUR ATİCİ ESEN,ÖZKAN SİBEL AYŞIL (2023). Sensitive determination and electrochemical evaluation of anticancer drug tofacitinib in pharmaceutical and biological samples using glassy carbon and boron-doped diamond electrodes. *Diamond and Related Materials*, 133(), Doi: 10.1016/j.diamond.2023.109751 (Yayın No : 8520097)
- 24 . KAYA SARIYE İREM, Çetinkaya Ahmet, BELLUR ATİCİ ESEN, ÇORMAN MEHMET EMİN, UZUN LOKMAN, ÖZKAN SİBEL AYŞIL (2023). Electrochemical sensing of acridinium bromide with metal ion-assisted molecularly imprinted films. *Microchemical Journal*, 184(), Doi: 10.1016/j.microc.2022.108128 (Yayın No : 8520053)
- 25 . Çetinkaya Ahmet, KAYA SARIYE İREM, Şenel Pelin, ÇİNİ NEJLA, BELLUR ATİCİ ESEN, ÖZKAN SİBEL AYŞIL, YURTSEVER MİNE, GÖLCÜ AYŞEGÜL (2022). Detection of Axitinib Using Multiwalled Carbon Nanotube-Fe₂O₃/Chitosan Nanocomposite-Based Electrochemical Sensor and Modeling with Density Functional Theory. *ACS Omega*, 7(), Doi: 10.1021/acsomega.2c04244 (Yayın No : 7912185)
- 26 . Çetinkaya Ahmet, KAYA SARIYE İREM, BELLUR ATİCİ ESEN, ÇORMAN MEHMET EMİN, UZUN LOKMAN, ÖZKAN SİBEL AYŞIL (2022). A semi-covalent molecularly imprinted electrochemical sensor for rapid and selective detection of tiotropium bromide. *Analytical and Bioanalytical Chemistry*, 414(), Doi: 10.1007/s00216-022-04335-6 (Yayın No : 7912181)
- 27 . Çetinkaya Ahmet,YILDIZ EMRECAN,KAYA SARIYE İREM,ÇORMAN MEHMET EMİN,UZUN LOKMAN,ÖZKAN SİBEL AYŞIL (2022). A green synthesis route to develop molecularly imprinted electrochemical sensor for selective detection of vancomycin from aqueous and serum samples. *Green Analytical Chemistry*, 2(100017), Doi: 10.1016/j.greeac.2022.100017 (Yayın No : 9983828)
- 28 . Şenel Pelin, Çetinkaya Ahmet, KAYA SARIYE İREM, ERDOĞAN TANER, DOĞAN TOPAL BURCU, GÖLCÜ AYŞEGÜL, ÖZKAN SİBEL AYŞIL (2022). Spectroscopic, electrochemical, and some theoretical studies on the interactional of neuraminidase inhibitor zanamivir with double helix deoxyribonucleic acid. *Journal of Molecular Structure*, 1262(), Doi: 10.1016/j.molstruc.2022.133029 (Yayın No : 7912187)
- 29 . Çetinkaya Ahmet, KAYA SARIYE İREM, ÇORMAN MEHMET EMİN, KARAKAYA MUSTAFA, BELLUR ATİCİ ESEN, ÖZKAN SİBEL AYŞIL (2022). A highly sensitive and selective electrochemical sensor based on computer-aided design of molecularly imprinted polymer for the determination of leflunomide. *Microchemical Journal*, 179(), Doi: 10.1016/j.microc.2022.107496 (Yayın No : 7887258)
- 30 . KAYA SARIYE İREM, ÇORMAN MEHMET EMİN, UZUN LOKMAN, ÖZKAN SİBEL AYŞIL (2022). Simple preparation of surface molecularly imprinted polymer based on silica particles for trace level assay of bisphenol F. *Analytical and Bioanalytical Chemistry*, 414(), Doi: 10.1007/s00216-022-04142-z (Yayın No : 7887250)
- 31 . KAYA SARIYE İREM, ÇORMAN MEHMET EMİN, UZUN LOKMAN, ÖZKAN SİBEL AYŞIL (2022). A porous molecularly imprinted electrochemical sensor for specific determination of bisphenol S from human serum and bottled water samples in femtomolar level. *Analytical and Bioanalytical Chemistry*, 414(), Doi: 10.1007/s00216-022-03928-5 (Yayın No : 7660694)
- 32 . KAYA SARIYE İREM, Çetinkaya Ahmet, ÖZÇELİKAY GÖKSU, ÇORMAN MEHMET EMİN, KARAKAYA MUSTAFA, BELLUR ATİCİ ESEN, ÖZKAN SİBEL AYŞIL (2022). Computational design and fabrication of a highly selective and sensitive molecularly imprinted electrochemical sensor for the detection of enzalutamide. *Journal of Electroanalytical Chemistry*, 907(), Doi: 10.1016/j.jelechem.2022.116030 (Yayın No : 7559399)
- 33 . KAYA SARIYE İREM, ÖZÇELİKAY GÖKSU, ARMUTCU ÇORMAN CANAN, ÖZKAN SİBEL AYŞIL (2022). An Ultra-Sensitive Molecularly Imprinted Poly(Aniline) Based Electrochemical Sensor for the Determination of Bisphenol A in Synthetic Human Serum Specimen and Plastic Bottled Water Samples. *JOURNAL OF THE ELECTROCHEMICAL SOCIETY*, 169(1), Doi: 10.1149/1945-7111/ac49cb (Yayın No : 7559413)
- 34 . Doulache Merzak, Doulache Merzak, KAYA SARIYE İREM, Çetinkaya Ahmet, KARADAŞ BAKIRHAN NURGÜL, Trari Mohamed, ÖZKAN SİBEL AYŞIL (2021). Detailed electrochemical behavior and thermodynamic parameters of anticancer drug regorafenib and its sensitive electroanalytical assay in biological and pharmaceutical samples. *Microchemical Journal*, 170(), Doi: 10.1016/j.microc.2021.106717 (Yayın No : 7302773)
- 35 . Çetinkaya Ahmet, KAYA SARIYE İREM, ÖZÇELİKAY GÖKSU, BELLUR ATİCİ ESEN, ÖZKAN SİBEL AYŞIL (2021). A molecularly imprinted electrochemical sensor based on highly selective and an ultra-trace assay of anti-cancer drug axitinib in its dosage form and biological samples. *Talanta*, 233(), Doi: 10.1016/j.talanta.2021.122569 (Yayın No : 7302756)
- 36 . KAYA SARIYE İREM,KURBANOĞLU SEVİNÇ,Yavuz Ejmer,Mustafov Sibel Demiroglu,ŞEN FATİH,ÖZKAN SİBEL AYŞIL (2020). Carbon-based ruthenium nanomaterial-based electroanalytical sensors for the detection of anticancer drug Idarubicin. *SCIENTIFIC REPORTS*, 10(1), Doi: 10.1038/s41598-020-68055-6 (Yayın No : 6604053)

Uluslararası hakemli dergilerde yayımlanan makaleler:

- 37 . KAYA SARIYE İREM, Demirkan Buse, KARADAŞ BAKIRHAN NURGÜL, Kuyuldar Esra, KURBANOĞLU SEVİNÇ, ÖZKAN SİBEL AYŞIL, ŞEN FATİH (2019). Highly sensitive carbon-based nanohybrid sensor platform for determination of 5-hydroxytryptamine receptor agonist (Eletriptan). JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, 174(), 206-213. , Doi: 10.1016/j.jpba.2019.05.070 (Yayın No : 6604044)

B. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitaplarında (proceedings) basılan bildirimler

- 1 . KAYA SARIYE İREM, Çetinkaya Ahmet, YUSUFBEYOĞLU SADI, BALDEMİR KILIÇ AYŞE, BELLUR ATİCİ ESEN, ÖZKAN SİBEL AYŞIL (2024). Selective determination of bortezomib with a plant-based nanoflower-modified electrochemical MIP sensor. nanoBalkan International Conference (NB2024), (Tam metin bildiri) (Yayın No:9530949)
- 2 . KAYA SARIYE İREM, SEZİGEN SERMET, KARADAŞ BAKIRHAN NURGÜL, ÖZKAN SİBEL AYŞIL (2024). A Molecularly Imprinted Electrochemical Sensor for Selective Analysis of a Nerve Agent Metabolite. 13th Workshop on Biosensors & Bioanalytical Microtechniques in Environmental Food & Clinical Analysis (BBMEC 2024), (Özet bildiri) (Yayın No:9501332)
- 3 . ÖZÇELİKAY AKYILDIZ GÖKSU, Hosseinzadeh Batoul, Jadon Nimisha, KAYA SARIYE İREM, Çetinkaya Ahmet, BELLUR ATİCİ ESEN, ÖZKAN SİBEL AYŞIL (2024). Evaluation of electrochemical behavior of Riociguat with bare glassy carbon electrode and MIP-based electrochemical sensor. 12th International Drug Chemistry Conference, (Özet bildiri) (Yayın No:9501336)
- 4 . KAYA SARIYE İREM (2023). A Novel and Highly Selective Approach Based on a Molecularly Imprinted Electrochemical Sensor for the Determination of Muscle Relaxant Phenyramidol. 12th Annual Symposium on Physical and Analytical Chemistry, (Özet bildiri) (Yayın No:9530931)
- 5 . KAYA SARIYE İREM, Majidian Mahsa, ÖZÇELİKAY AKYILDIZ GÖKSU, Çetinkaya Ahmet, DOĞAN TOPAL BURCU, BELLUR ATİCİ ESEN, ÖZKAN SİBEL AYŞIL (2023). Comparison of Polymerization Techniques for the Development of Molecularly Imprinted Polymer-Based Electrochemical Sensor Used for Anticancer Drug Determination. nanoBalkan International Conference (NB2023), (Özet bildiri) (Yayın No:9530886)
- 6 . KAYA SARIYE İREM (2023). Electrochemical determination of the antiviral drug lamivudine by molecularly imprinted polymer-based sensor-assisted sample preparation. 29th International Symposium on Electro- and Liquid Phase-Separation Techniques, (Özet bildiri) (Yayın No:9501301)
- 7 . KAYA SARIYE İREM, KARADAŞ BAKIRHAN NURGÜL, ÇORMAN MEHMET EMİN, UZUN LOKMAN, ÖZKAN SİBEL AYŞIL (2023). New Electrochemical Approaches for the Determination of Regorafenib Using Different Polymerization Techniques. 74th Annual Meeting of the International Society of Electrochemistry, (Özet bildiri) (Yayın No:9530846)
- 8 . KAYA SARIYE İREM, Çetinkaya Ahmet, Alahmad Waleed, Varanusupakul Pakorn, ÖZKAN SİBEL AYŞIL (2023). Fabrication of ZnO Nanoparticles Assisted Molecularly Imprinted Polymer-Based Electrochemical Sensor for the Selective Determination of Sorafenib. Euroanalysis XXI 2023, (Özet bildiri) (Yayın No:9501319)
- 9 . KAYA SARIYE İREM, HÜRKÜL MUHAMMED MESUD, Çetinkaya Ahmet, Budak Fatma, UZUN LOKMAN, ÖZKAN SİBEL AYŞIL (2023). Development of Selective and Sensitive MIP-Based Electrochemical Sensor for Quercetin Determination from Rubus sanctus, Fragaria vesca Extracts and Some Herbal Supplements. 33rd International Symposium on Pharmaceutical and Biomedical Analysis, (Tam metin bildiri) (Yayın No:9501326)
- 10 . KAYA SARIYE İREM, Majidian Mahsa, Çetinkaya Ahmet, ÖZÇELİKAY AKYILDIZ GÖKSU, DOĞAN TOPAL BURCU, BELLUR ATİCİ ESEN, ÖZKAN SİBEL AYŞIL (2022). Highly Selective and Sensitive Electrochemical Sensor Based on Thermal Polymerization for the Determination of Olaparib. 11th Annual Symposium on Physical and Analytical Chemistry, (Özet bildiri) (Yayın No:9530820)
- 11 . KAYA SARIYE İREM, Majidian Mahsa, Çetinkaya Ahmet, ÖZÇELİKAY AKYILDIZ GÖKSU, DOĞAN TOPAL BURCU, BELLUR ATİCİ ESEN, ÖZKAN SİBEL AYŞIL (2022). Photopolymerization assisted molecularly imprinted polymer-based electrochemical sensor for the determination of olaparib. 5th International Congress on Biosensors, (Tam metin bildiri) (Yayın No:9530682)
- 12 . KAYA SARIYE İREM, Çetinkaya Ahmet, ÇORMAN MEHMET EMİN, UZUN LOKMAN, BELLUR ATİCİ ESEN, ÖZKAN SİBEL AYŞIL (2022). Metal-ion assisted molecularly imprinted electrochemical sensor for the selective determination of acridinium bromide. 12th International Symposium on Drug Analysis and the 32nd International Symposium on Pharmaceutical and Biomedical Analysis, (Özet bildiri) (Yayın No:9530765)
- 13 . KAYA SARIYE İREM, KARADAŞ BAKIRHAN NURGÜL, ÇORMAN MEHMET EMİN, UZUN LOKMAN, ÖZKAN SİBEL AYŞIL (2022). Selective and Sensitive Electrochemical Assay of Regorafenib Using a Molecularly Imprinted Polymer Based Sensor. XXIII Reunión de la Sociedad Española de Química Analítica, (Özet bildiri) (Yayın No:9530797)
- 14 . KAYA SARIYE İREM, ÇORMAN MEHMET EMİN, ÖZKAN SİBEL AYŞIL (2021). A Molecularly Imprinted Polymer Sensor Developed by using an Amino acid Based Functional Monomer for the Sensitive Determination of Bisphenol S. 21st Trends in Nanotechnology International Conference (TNT2021), (Özet bildiri) (Yayın No:9530570)

- 15 . KAYA SARIYE İREM,ÖZÇELİKAY AKYILDIZ GÖKSU,ÖZKAN SİBEL AYŞIL (2021). A molecularly imprinted poly(aniline) based electrochemical sensor for the determination of bisphenol A in biological and plastic bottled water samples. 31st International Symposium on Pharmaceutical and Biomedical Analysis, (Özet bildiri) (Yayın No:9530527)
- 16 . Doulache Merzak,KAYA SARIYE İREM,Çetinkaya Ahmet,KARADAŞ BAKIRHAN NURGÜL,Trari Mohamed,ÖZKAN SİBEL AYŞIL (2021). Detailed Electrochemical Behavior and Thermodynamic Parameters of Anticancer Drug Regorafenib and its Sensitive Electroanalytical Assay in Biological and Pharmaceutical Samples. 13th International Symposium on Pharmaceutical Sciences, (Tam metin bildiri) (Yayın No:9530464)
- 17 . KAYA SARIYE İREM,KURBANOĞLU SEVİNÇ,ŞEN FATİH,ÖZKAN SİBEL AYŞIL (2020). Carbon-based ruthenium nanomaterial-based electroanalytical sensors for the detection of anticancer drug Idarubicin. 2nd International Congress on Analytical and Bioanalytical Chemistry 2020, (Tam metin bildiri) (Yayın No:6661722)

C. Yazılan ulusal/uluslararası kitaplar veya kitaplardaki bölümler

C2. Yazılan ulusal/uluslararası kitaplardaki bölümler

- 1 . Nanosensors for Smart Cities, Bölüm adı: (Electrochemical virus detections with nanobiosensors) (2020). ,KAYA SARIYE İREM,KARADURMUŞ LEYLA,ÖZÇELİKAY GÖKSU,KARADAŞ BAKIRHAN NURGÜL,ÖZKAN SİBEL AYŞIL, Elsevier, Basım sayısı: 1, ISBN: 978-0-12-819870-4, İngilizce (Bilimsel Kitap), (Yayın No: 6604068)
- 2 . Commercial Biosensors and Their Applications Clinical, Food, and Beyond, Bölüm adı: (Nanotechnological approaches and materials in commercial biosensors) (2020). ,Dedeoğlu Aylin,KAYA SARIYE İREM,KARADAŞ BAKIRHAN NURGÜL,ÖZKAN SİBEL AYŞIL, Elsevier, Editör: SEZGİNTÜRK MUSTAFA KEMAL, Basım sayısı: 1, ISBN: 978-0-12-818592-6, İngilizce (Bilimsel Kitap), (Yayın No: 6604065)
- 3 . Electroanalytical Applications of Quantum Dot-Based Biosensors, Bölüm adı: (Basics of electroanalytical methods and their applications with quantum dot sensors) (2021). ,KARADAŞ BAKIRHAN NURGÜL, KAYA SARIYE İREM, ÖZKAN SİBEL AYŞIL, Elsevier, Editör: USLU BENGİ, Basım sayısı: 1, ISBN: 978-0-12-821670-5, İngilizce (Bilimsel Kitap), (Yayın No: 7381629)
- 4 . Biosensors: Fundamentals, Emerging Technologies, and Applications, Bölüm adı: (Validation requirements in biosensors) (2022). ,KARADURMUŞ LEYLA, KAYA SARIYE İREM, ÖZÇELİKAY GÖKSU, GÜMÜŞTAŞ MEHMET, USLU BENGİ, ÖZKAN SİBEL AYŞIL, CRC Press, Editör: Ozkan, Sibel A., Uslu Bengi, Sezginturk Mustafa Kemal, Basım sayısı: 1, ISBN: 9781003189435, İngilizce (Bilimsel Kitap), (Yayın No: 7912200)
- 5 . Biosensors: Fundamentals, Emerging Technologies, and Applications, Bölüm adı: (Overview of biosensors: Definition, principles, and instrumentation) (2022). ,KAYA SARIYE İREM, Ünal Didem Nur, Çetinkaya Ahmet, USLU BENGİ, ÖZKAN SİBEL AYŞIL, CRC Press, Editör: ÖZKAN SİBEL AYŞIL, USLU BENGİ, SEZGİNTÜRK MUSTAFA KEMAL, Basım sayısı: 1, ISBN: 9781003189435, İngilizce (Bilimsel Kitap), (Yayın No: 7912194)
- 6 . Handbook of Nanobioelectrochemistry Application in Devices and Biomolecular Sensing, Bölüm adı: (Nanobiomaterials and Electrochemical Methods for Cancer Diagnosis) (2023). ,ÖZÇELİKAY AKYILDIZ GÖKSU,KAYA SARIYE İREM,KARADURMUŞ QUESADA GONZALEZ LEYLA,KARADAŞ BAKIRHAN NURGÜL,ÖZKAN SİBEL AYŞIL, Springer, Basım sayısı: 1, ISBN: 978-981-19-9436-4, İngilizce (Bilimsel Kitap), (Yayın No: 9498827)
- 7 . Recent Developments in Green Electrochemical Sensors: Design, Performance, and Applications, Bölüm adı: (Prospects of Electrochemical Sensors for Sustainable Future) (2023). ,Yence Merve,Çetinkaya Ahmet,KAYA SARIYE İREM,ÖZÇELİKAY AKYILDIZ GÖKSU,ÖZKAN SİBEL AYŞIL, ACS Publications, Basım sayısı: 1, ISBN: 9780841297227, İngilizce (Bilimsel Kitap), (Yayın No: 9498821)
- 8 . Applications of Nanotechnology in Microbiology, Bölüm adı: (Nanotechnology-Based Electrochemical Diagnostic Tools for the Detection of Viral Diseases: Advantages and Disadvantages) (2024). ,Çetinkaya Ahmet,KAYA SARIYE İREM,KAŞKATEPE BANU,ÖZKAN SİBEL AYŞIL, Springer, Basım sayısı: 1, ISBN: 978-3-031-49933-3, İngilizce (Bilimsel Kitap), (Yayın No: 9498807)
- 9 . Sample Handling and Trace Analysis of Pollutants Innovations to Determine Organic Contaminants, Bölüm adı: (Green analytical chemistry) (2025). ,Çetinkaya Ahmet,KAYA SARIYE İREM,ÖZKAN SİBEL AYŞIL, Elsevier, Basım sayısı: 2, ISBN: 978-0-323-85601-0, İngilizce (Bilimsel Kitap), (Yayın No: 9498768)
- 10 . Recent Trends and Perspectives on Electrochemical Sensors for Environmental Monitoring, Bölüm adı: (The role and the place of ionic liquids for environmental sensors and their applications) (2024). ,KAYA SARIYE İREM,Çetinkaya Ahmet,SAMANCI ŞEYDA NUR,ÖZKAN SİBEL AYŞIL, Elsevier, Editör: ÖZKAN SİBEL AYŞIL, Basım sayısı: 1, ISBN: 978-0-443-13388-6, İngilizce (Bilimsel Kitap), (Yayın No: 9496849)
- 11 . Green Chemistry in Food Analysis: Conventional and Emerging Approaches, Bölüm adı: (Emerging analytical techniques in the analysis of food dyes) (2024). ,Çetinkaya Ahmet,KAYA SARIYE İREM,ÖZÇELİKAY AKYILDIZ GÖKSU,ÖZKAN SİBEL AYŞIL, Elsevier, Basım sayısı: 1, ISBN: 978-0-443-18957-9, İngilizce (Bilimsel Kitap), (Yayın No: 9500806)
- 12 . Sensing of Deadly Toxic Chemical Warfare Agents, Nerve Agent Simulants, and their Toxicological Aspects, Bölüm adı: (Nanotubes tethered laccase biosensor for sensing of chlorophenol substances) (2023). ,KAYA SARIYE İREM,ÇORMAN MEHMET EMİN,Çetinkaya Ahmet,Karasu Tunca,UZUN LOKMAN,ÖZKAN SİBEL AYŞIL, Elsevier, Basım sayısı: 1, ISBN: 978-0-323-90553-4, İngilizce (Bilimsel Kitap), (Yayın No: 9500828)

- 13 . Predicting Heart Failure: Invasive, Non-Invasive, Machine Learning and Artificial Intelligence Based Methods, Bölüm adı: (Types of Biosensors and their Importance in Cardiovascular Applications) (2022). ,KAYA SARIYE İREM,KARADURMUŞ QUESADA GONZALEZ LEYLA,Çetinkaya Ahmet,ÖZÇELİKAY AKYILDIZ GÖKSU,ÖZKAN SİBEL AYŞIL, Wiley, Basım sayısı: 1, ISBN: 9781119813040, İngilizce (Bilimsel Kitap), (Yayın No: 9500823)
- 14 . Nanoremediation: Modern Technologies for Treatment of Environmental Pollutants, Bölüm adı: (Emerging trends—Current developments in nanobioremediation via electrochemistry) (2023). ,KAYA SARIYE İREM,ÖZÇELİKAY AKYILDIZ GÖKSU,Çetinkaya Ahmet,KARADAŞ BAKIRHAN NURGÜL,ÖZKAN SİBEL AYŞIL, Elsevier, Basım sayısı: 1, ISBN: 978-0-12-823874-5, İngilizce (Bilimsel Kitap), (Yayın No: 9500816)
- 15 . Two-Dimensional Materials for Environmental Applications, Bölüm adı: (Development of 2D Nanomaterials-Based Sensors for Detection of Toxic Environmental Pollutants) (2023). ,KAYA SARIYE İREM,Yence Merve,ÖZÇELİKAY AKYILDIZ GÖKSU,Çetinkaya Ahmet,Budak Fatma,ÖZKAN SİBEL AYŞIL, Springer, Basım sayısı: 1, ISBN: 978-3-031-28755-8, İngilizce (Bilimsel Kitap), (Yayın No: 9500811)
- 16 . Lateral Flow Assays From Bench to Market, Bölüm adı: (Lateral flow assays for hormones) (2026). ,Çetinkaya Ahmet,KAYA SARIYE İREM,ULUDAĞ ANIL İNCİ,SEZGİNTÜRK MUSTAFA KEMAL,ÖZKAN SİBEL AYŞIL, Academic Press, Editör: ÖZKAN SİBEL AYŞIL, SEZGİNTÜRK MUSTAFA KEMAL, Basım sayısı: 1, ISBN: 978-0-443-23883-3, İngilizce (Bilimsel Kitap), (Yayın No: 9965800)
- 17 . Lateral Flow Assays From Bench to Market, Bölüm adı: (Lateral flow assays in food analysis) (2026). ,KAYA SARIYE İREM,Çetinkaya Ahmet,SEZGİNTÜRK MUSTAFA KEMAL,ÖZKAN SİBEL AYŞIL, Academic Press, Editör: ÖZKAN SİBEL AYŞIL, SEZGİNTÜRK MUSTAFA KEMAL, Basım sayısı: 1, ISBN: 978-0-443-23883-3, İngilizce (Bilimsel Kitap), (Yayın No: 9965649)
- 18 . Chiral Separations: Methods and Protocols, Bölüm adı: (Molecularly Imprinted Polymer-Based Electrochemical Chiral Sensors) (2026). ,KARADURMUŞ QUESADA GONZALEZ LEYLA,Çetinkaya Ahmet,KAYA SARIYE İREM,ÖZKAN SİBEL AYŞIL, Springer US, Editör: Chankvetadze Bezhana, Scriba Gerhard K. E., Basım sayısı: 1, ISBN: 978-1-0716-5022-6, İngilizce (Bilimsel Kitap), (Yayın No: 9965543)

D. Ulusal hakemli dergilerde yayımlanan makaleler

- 1 . KAYA SARIYE İREM,ÖZKAN ECE,KARADAŞ BAKIRHAN NURGÜL,ÖZKAN SİBEL AYŞIL (2025). DETAILED ELECTROCHEMICAL BEHAVIOR INVESTIGATION AND DETERMINATION OF ANTIPSYCHOTIC DRUG PALIPERIDONE ON A GLASSY CARBON ELECTRODE. Ankara Üniversitesi Eczacılık Fakültesi Dergisi, 49(), (Kontrol No : 9496790)
- 2 . ÖZÇELİKAY AKYILDIZ GÖKSU,KAYA SARIYE İREM (2024). THE FABRICATION OF MIP BASED ELECTROCHEMICAL SENSOR FOR THE DETERMINATION OF DOBUTAMINE. Ankara Üniversitesi Eczacılık Fakültesi Dergisi, 48(), (Kontrol No : 9496779)
- 3 . KAYA SARIYE İREM,ÖZÇELİKAY AKYILDIZ GÖKSU (2024). Investigation of electrochemical behavior and voltammetric determination of the anti-inflammatory agent bufexamac. Journal of Research in Pharmacy (Kontrol No : 9496773)

E. Ulusal bilimsel toplantılarda sunulan ve bildiri kitaplarında basılan bildiriler

- 1 . KAYA SARIYE İREM,ÖZÇELİKAY AKYILDIZ GÖKSU,ÇORMAN MEHMET EMİN,UZUN LOKMAN,ÖZKAN SİBEL AYŞIL (2022). Endokrin Bozucu Kimyasal Bisfenollerin Moleküler Baskılı Polimer Temelli Elektrokimyasal Sensörlerle Seçici ve Duyarlı Analizleri. 34. Ulusal Kimya Kongresi, (Özet bildiri) (Yayın No:9530586)

Teknik Not, Vaka Takdimi, Araştırma notu vb.

- 1 . Derleme Makale, HÜRKÜL MUHAMMED MESUD,Çetinkaya Ahmet,KAYA SARIYE İREM,YAYLA ŞEYDA,ÖZKAN SİBEL AYŞIL (2025). Investigation of Health Effects of Major Phenolic Compounds in Foods: Extraction Processes, Analytical Approaches and Applications. Critical Reviews in Analytical Chemistry (Uluslararası), 55, Doi: 10.1080/10408347.2024.2336981 (Yayın No : 9939384)
- 2 . Derleme Makale, Çetinkaya Ahmet,KAYA SARIYE İREM,Budak Fatma,ÖZKAN SİBEL AYŞIL (2025). Current Analytical Methods for the Sensitive Assay of New-Generation Ovarian Cancer Drugs in Pharmaceutical and Biological Samples. Critical Reviews in Analytical Chemistry (Uluslararası), 55, Doi: 10.1080/10408347.2024.2339962 (Yayın No : 9939360)
- 3 . Derleme Makale, Al Faysal Abdullah,KAYA SARIYE İREM,Çetinkaya Ahmet,ÖZKAN SİBEL AYŞIL,GÖLCÜ AYŞEGÜL (2025). The Effect of Polymerization Techniques on the Creation of Molecularly Imprinted Polymer Sensors and Their Application on Pharmaceutical Compounds. Critical Reviews in Analytical Chemistry (Uluslararası), 55, Doi: 10.1080/10408347.2023.2301652 (Yayın No : 9939304)
- 4 . Derleme Makale, Isa Ahmed,SAMANCI ŞEYDA NUR,Kocabay Pınar,Çetinkaya Ahmet,KAYA SARIYE İREM,ÖZKAN SİBEL AYŞIL (2025). Molecularly imprinted micro-extraction of pharmaceuticals in biological samples. Microchemical Journal (Uluslararası), 212, Doi: 10.1016/j.microc.2025.113530 (Yayın No : 9939191)
- 5 . Derleme Makale, Çetinkaya Ahmet,KAYA SARIYE İREM,ÖZKAN SİBEL AYŞIL (2025). A review of point-of-care (POC) and lab-on-chip (LOC) approaches in molecularly imprinted polymer-based electrochemical sensors for biomedical applications. Analytica Chimica Acta (Uluslararası), 1357, Doi: 10.1016/j.aca.2025.344080 (Yayın No : 9939149)

- 6 . Derleme Makale, Çetinkaya Ahmet,KAYA SARIYE İREM,ÖZKAN SİBEL AYŞIL (2025). Biomedical field applications of electrochemical biosensors as diagnostic tools: A short review. Current Opinion in Electrochemistry (Uluslararası), 53, Doi: 10.1016/j.coelec.2025.101738 (Yayın No : 9939131)
- 7 . Derleme Makale, ALAKUŞ ZEYNEP,Pişkin Ensar,Budak Fatma,KAYA SARIYE İREM,Çetinkaya Ahmet,ÖZKAN SİBEL AYŞIL (2025). Recent developments in electrochemical sensors for the detection and real-time monitoring of non-steroidal anti-inflammatory drugs. Electrochimica Acta (Uluslararası), 541, Doi: 10.1016/j.electacta.2025.147392 (Yayın No : 9861094)
- 8 . Derleme Makale, SAMANCI ŞEYDA NUR,ÖZÇELİKAY AKYILDIZ GÖKSU,KAYA SARIYE İREM,ÖZKAN SİBEL AYŞIL (2025). Recent advancements in novel electrochemical sensors for disease-associated molecule determination. Journal of Pharmaceutical and Biomedical Analysis Open (Uluslararası), 5, Doi: 10.1016/j.jpba.2025.100051 (Yayın No : 9496610)
- 9 . Derleme Makale, KAYA SARIYE İREM,ÖZÇELİKAY AKYILDIZ GÖKSU,ÖZKAN SİBEL AYŞIL (2024). Green metrics and green analytical applications: A comprehensive outlook from developing countries to advanced applications. Green Analytical Chemistry (Uluslararası), 11, Doi: 10.1016/j.greeac.2024.100159 (Yayın No : 9496609)
- 10 . Derleme Makale, Locatelli Marcello,Kabir Abuzar,Perrucci Miryam,ULUSOY HALİL İBRAHİM,ULUSOY SONGÜL,Manousi Natalia,Samanidou Victoria,Imran Ali,KAYA SARIYE İREM,Mansour Fotouh R.,Çetinkaya Ahmet,ÖZKAN SİBEL AYŞIL (2024). Recent trends in sampling and sorbent-based sample preparation procedures for bioanalytical applications. Microchemical Journal (Uluslararası), 207, Doi: 10.1016/j.microc.2024.111903 (Yayın No : 9292932)
- 11 . Derleme Makale, Alahmad Waleed,Çetinkaya Ahmet,KAYA SARIYE İREM,ÖZKAN SİBEL AYŞIL (2024). Innovative and cutting-edge approaches in microfluidic paper-based analytical devices for detection of food adulteration. TrAC Trends in Analytical Chemistry (Uluslararası), 181, Doi: 10.1016/j.trac.2024.118012 (Yayın No : 9292856)
- 12 . Derleme Makale, Yence Merve,Çetinkaya Ahmet,KAYA SARIYE İREM,ÖZKAN SİBEL AYŞIL (2024). Recent Developments in the Sensitive Electrochemical Assay of Common Opioid Drugs. Critical Reviews in Analytical Chemistry (Uluslararası), 54, Doi: 10.1080/10408347.2022.2099732 (Yayın No : 9079653)
- 13 . Derleme Makale, ÖZÇELİKAY AKYILDIZ GÖKSU,Çetinkaya Ahmet,KAYA SARIYE İREM,Yence Merve,Canavar Eroğlu Pembe Ece,ÜNAL MEHMET ALTAY,ÖZKAN SİBEL AYŞIL (2024). Novel Sensor Approaches of Aflatoxins Determination in Food and Beverage Samples. Critical Reviews in Analytical Chemistry (Uluslararası), Doi: 10.1080/10408347.2022.2105136 (Yayın No : 9079651)
- 14 . Derleme Makale, Çetinkaya Ahmet,KAYA SARIYE İREM,ÖZÇELİKAY AKYILDIZ GÖKSU,Budak Fatma,ÖZKAN SİBEL AYŞIL (2024). Carbon Nanomaterials-Based Novel Hybrid Platforms for Electrochemical Sensor Applications in Drug Analysis. Critical Reviews in Analytical Chemistry (Uluslararası), Doi: 10.1080/10408347.2022.2109125 (Yayın No : 9079646)
- 15 . Derleme Makale, Alahmad Waleed,Çetinkaya Ahmet,KAYA SARIYE İREM,Varanusupakul Pakorn,ÖZKAN SİBEL AYŞIL (2024). Molecularly imprinted polymer paper-based analytical devices for biomarkers detection. TrAC Trends in Analytical Chemistry (Uluslararası), 170, Doi: 10.1016/j.trac.2023.117475 (Yayın No : 9079642)
- 16 . Derleme Makale, UYAR RECEP,ÖZÇELİKAY AKYILDIZ GÖKSU,KAYA SARIYE İREM,BEREKETOĞLU NERGİS SİDAR,Beşbinar Ömür,ÜNAL MEHMET ALTAY,YILMAZER AKTUNA AÇELYA,ÖZKAN SİBEL AYŞIL (2024). Early cancer detection based on exosome biosensors in biological samples. Sensors and Actuators B: Chemical (Uluslararası), 400, Doi: 10.1016/j.snb.2023.134886 (Yayın No : 9079640)
- 17 . Derleme Makale, Bounoua Nadia,Çetinkaya Ahmet,Pişkin Ensar,KAYA SARIYE İREM,ÖZKAN SİBEL AYŞIL (2024). The sensor applications for prostate and lung cancer biomarkers in terms of electrochemical analysis. Analytical and Bioanalytical Chemistry (Uluslararası), 416, Doi: 10.1007/s00216-024-05134-x (Yayın No : 9079620)
- 18 . Derleme Makale, Jadon Nimisha,Hosseinzadeh Batoul,KAYA SARIYE İREM,ÖZÇELİKAY AKYILDIZ GÖKSU,Çetinkaya Ahmet,ÖZKAN SİBEL AYŞIL (2024). Emerging trends of ion-selective electrodes in pharmaceutical applications. Electrochimica Acta (Uluslararası), 488, Doi: 10.1016/j.electacta.2024.144204 (Yayın No : 9079613)
- 19 . Derleme Makale, Aksoy Zeynep Büşra,İL DENİZ BARAN,Çelik Doğantan,ŞENGÜN DİLARA NUR,ÜNAL MEHMET ALTAY,KAYA SARIYE İREM,YILMAZER AKTUNA AÇELYA,ÖZKAN SİBEL AYŞIL (2024). Bridging the gap: Advanced biosensor technologies for early-stage oral cancer diagnosis based on biomarker detection. TrAC Trends in Analytical Chemistry (Uluslararası), 180 (117923) , 1-. , Doi: 10.1016/j.trac.2024.117923 (Yayın No : 9079595)
- 20 . Derleme Makale, Jadon Nimisha,Tomar Puja,Shrivastava Swati,Hosseinzadeh Batoul,KAYA SARIYE İREM,ÖZKAN SİBEL AYŞIL (2024). Monitoring of Specific Phytoestrogens by Dedicated Electrochemical Sensors: A Review. Food Chemistry (Uluslararası), 460, Doi: 10.1016/j.foodchem.2024.140404 (Yayın No : 9079591)
- 21 . Derleme Makale, KAYA SARIYE İREM,Çetinkaya Ahmet,ÖZÇELİKAY AKYILDIZ GÖKSU,SAMANCI ŞEYDA NUR,ÖZKAN SİBEL AYŞIL (2023). Approaches and Challenges for Biosensors for Acute and Chronic Heart Failure. Biosensors (Uluslararası), 13, Doi: 10.3390/bios13020282 (Yayın No : 9338185)
- 22 . Derleme Makale, Çetinkaya Ahmet,KAYA SARIYE İREM,ÖZKAN SİBEL AYŞIL (2023). An overview of the current progress in green analytical chemistry by evaluating recent studies using greenness assessment tools. TRAC-TRENDS IN ANALYTICAL CHEMISTRY (Uluslararası), 168, Doi: 10.1016/j.trac.2023.117330 (Yayın No : 8742940)

- 23 . Derleme Makale, Alahmad Waleed, Çetinkaya Ahmet, KAYA SARIYE İREM, Varanusupakul Pakorn, ÖZKAN SİBEL AYŞIL (2023). Electrochemical paper-based analytical devices for environmental analysis: Current trends and perspectives. Trends in Environmental Analytical Chemistry (Uluslararası), 40, Doi: 10.1016/j.teac.2023.e00220 (Yayın No : 8742905)
- 24 . Derleme Makale, KAYA SARIYE İREM, Çetinkaya Ahmet, ÖZKAN SİBEL AYŞIL (2023). Molecularly imprinted polymers as highly selective sorbents in sample preparation techniques and their applications in environmental water analysis. Trends in Environmental Analytical Chemistry (Uluslararası), 37, Doi: 10.1016/j.teac.2022.e00193 (Yayın No : 8520103)
- 25 . Derleme Makale, Çetinkaya Ahmet, KAYA SARIYE İREM, Yence Merve, Budak Fatma, ÖZKAN SİBEL AYŞIL (2023). Ionic liquid-based materials for electrochemical sensor applications in environmental samples. Trends in Environmental Analytical Chemistry (Uluslararası), 37, Doi: 10.1016/j.teac.2022.e00188 (Yayın No : 8520101)
- 26 . Derleme Makale, KARADURMUŞ QUESADA GONZALEZ LEYLA, KAYA SARIYE İREM, Çetinkaya Ahmet, ÖZKAN SİBEL AYŞIL (2023). New brand MXene-based electrochemical point-of-care sensors as novel diagnostic devices. Trends in Analytical Chemistry (Uluslararası), 165, Doi: 10.1016/j.trac.2023.117145 (Yayın No : 8520064)
- 27 . Derleme Makale, Çetinkaya Ahmet, KAYA SARIYE İREM, ÖZKAN SİBEL AYŞIL (2023). A Comprehensive Overview of Sensors Applications for the Diagnosis of SARS-CoV-2 and of Drugs Used in its Treatment. Critical Reviews in Analytical Chemistry (Uluslararası), Doi: 10.1080/10408347.2023.2186693 (Yayın No : 8520049)
- 28 . Derleme Makale, Çetinkaya Ahmet, KAYA SARIYE İREM, ÖZKAN SİBEL AYŞIL (2023). A collection of the best practice examples of electroanalytical applications in education: from polarography to sensors. Journal of Solid State Electrochemistry (Uluslararası), Doi: 10.1007/s10008-023-05637-0 (Yayın No : 8520043)
- 29 . Derleme Makale, Alahmad Waleed, KAYA SARIYE İREM, Çetinkaya Ahmet, Varanusupakul Pakorn, ÖZKAN SİBEL AYŞIL (2023). Green chemistry methods for food analysis: Overview of sample preparation and determination. Advances in Sample Preparation (Uluslararası), 5, Doi: 10.1016/j.sampre.2023.100053 (Yayın No : 8520038)
- 30 . Derleme Makale, KARADAŞ BAKIRHAN NURGÜL, KAYA SARIYE İREM, Jabbarov Rasim, Gahramanova Gulnaz, Abdullayeva Sevda, Dedeoğlu Aylin, KÖSE ÖZKAN CANSEL, SAVAŞER AYHAN, ÖZKAN YALÇIN, ÖZKAN SİBEL AYŞIL (2023). The Power of Carbon Nanotubes on Sensitive Drug Determination Methods. Critical Reviews in Analytical Chemistry (Uluslararası), Doi: 10.1080/10408347.2021.1958296 (Yayın No : 7302745)
- 31 . Derleme Makale, ÖZÇELİKAY GÖKSU, KAYA SARIYE İREM, Çetinkaya Ahmet, ÖZKAN SİBEL AYŞIL (2022). Recent advances in electrochemical biosensors for detection of oncoviruses. Biosensors and Bioelectronics: X (Uluslararası), 12, Doi: 10.1016/j.biosx.2022.100260 (Yayın No : 7887212)
- 32 . Derleme Makale, KAYA SARIYE İREM, GÜMÜŞ EDA, Çetinkaya Ahmet, ZOR ERHAN, ÖZKAN SİBEL AYŞIL (2022). Trends in on-site removal, treatment, and sensitive assay of common pharmaceuticals in surface waters. TrAC Trends in Analytical Chemistry (Uluslararası), 149, Doi: 10.1016/j.trac.2022.116556 (Yayın No : 7660693)
- 33 . Derleme Makale, ÇORMAN MEHMET EMİN, ÖZÇELİKAY GÖKSU, Çetinkaya Ahmet, KAYA SARIYE İREM, ARMUTCU ÇORMAN CANAN, ÖZGÜR ERDOĞAN, UZUN LOKMAN, ÖZKAN SİBEL AYŞIL (2022). Metal-organic frameworks as an alternative smart sensing platform for designing molecularly imprinted electrochemical sensors. TrAC Trends in Analytical Chemistry (Uluslararası), 150, Doi: 10.1016/j.trac.2022.116573 (Yayın No : 7660691)
- 34 . Derleme Makale, KARADURMUŞ LEYLA, Çetinkaya Ahmet, KAYA SARIYE İREM, ÖZKAN SİBEL AYŞIL (2022). Recent trends on electrochemical carbon-based nanosensors for sensitive assay of pesticides. Trends in Environmental Analytical Chemistry (Uluslararası), 34, Doi: 10.1016/j.teac.2022.e00158 (Yayın No : 7660690)
- 35 . Derleme Makale, Çetinkaya Ahmet, KARADURMUŞ LEYLA, KAYA SARIYE İREM, ÖZÇELİKAY GÖKSU, ÖZKAN SİBEL AYŞIL (2022). Electrochemical Sensing of Anticancer Drug Using New Electrocatalytic Approach. TOPICS IN CATALYSIS (Uluslararası), Doi: 10.1007/s11244-021-01536-8 (Yayın No : 7559418)
- 36 . Derleme Makale, KAYA SARIYE İREM, Çetinkaya Ahmet, ÖZKAN SİBEL AYŞIL (2022). Green analytical chemistry approaches on environmental analysis. Trends in Environmental Analytical Chemistry (Uluslararası), 33, Doi: 10.1016/j.teac.2022.e00157 (Yayın No : 7559364)
- 37 . Derleme Makale, ÖZÇELİKAY GÖKSU, KAYA SARIYE İREM, ÖZKAN ECE, Çetinkaya Ahmet, NEMUTLU EMİRHAN, KIR SEDEF, ÖZKAN SİBEL AYŞIL (2022). Sensor-based MIP technologies for targeted metabolomics analysis. TrAC Trends in Analytical Chemistry (Uluslararası), 146, 116487-. , Doi: 10.1016/j.trac.2021.116487 (Yayın No : 7381587)
- 38 . Derleme Makale, KAYA SARIYE İREM, ÖZÇELİKAY GÖKSU, Mollarasouli Fariba, KARADAŞ BAKIRHAN NURGÜL, ÖZKAN SİBEL AYŞIL (2022). Recent achievements and challenges on nanomaterial based electrochemical biosensors for the detection of colon and lung cancer biomarkers. Sensors and Actuators B: Chemical (Uluslararası), 351, 130856-. , Doi: 10.1016/j.snb.2021.130856 (Yayın No : 7381532)
- 39 . Derleme Makale, KAYA SARIYE İREM, Çetinkaya Ahmet, ÇAĞLAYAN MEHMET GÖKHAN, ÖZKAN SİBEL AYŞIL (2022). Recent biopharmaceutical applications of capillary electrophoresis methods on recombinant DNA technology-based products. Electrophoresis (Uluslararası), Doi: 10.1002/elps.202100193 (Yayın No : 7302749)

- 40 . Derleme Makale, KAYA SARIYE İREM, Çetinkaya Ahmet, ÖZKAN SİBEL AYŞIL (2022). Latest Advances in Determination of Bisphenols with Nanomaterials, Molecularly Imprinted Polymers and Aptamer Based Electrochemical Sensors. Critical Reviews in Analytical Chemistry (Uluslararası), Doi: 10.1080/10408347.2020.1864719 (Yayın No : 7302737)
- 41 . Derleme Makale, Yence Merve, Çetinkaya Ahmet, ÖZÇELİKAY GÖKSU, KAYA SARIYE İREM, ÖZKAN SİBEL AYŞIL (2022). Boron-Doped Diamond Electrodes: Recent Developments and Advances in View of Electrochemical Drug Sensors. Critical Reviews in Analytical Chemistry (Uluslararası), 1-17. , Doi: 10.1080/10408347.2020.1863769 (Yayın No : 7302732)
- 42 . Derleme Makale, GHALKANI MASOUMEH,KAYA SARIYE İREM,KARADAŞ BAKIRHAN NURGÜL,ÖZKAN YALÇIN,ÖZKAN SİBEL AYŞIL (2022). Application of Nanomaterials in Development of Electrochemical Sensors and Drug Delivery Systems for Anticancer Drugs and Cancer Biomarkers. Critical Reviews in Analytical Chemistry (Uluslararası), 1-23. (Yayın No : 6576850)
- 43 . Derleme Makale, KAYA SARIYE İREM, YILDIRIM SERCAN, Çetinkaya Ahmet, Erkmen Cem, USLU BENGİ, ÖZKAN SİBEL AYŞIL (2021). Nanomaterial-based electroanalytical sensors for the selected prohibited anabolic agents, hormones and metabolic modulators and their sensitive assays. TrAC - Trends in Analytical Chemistry (Uluslararası), 145, Doi: 10.1016/j.trac.2021.116457 (Yayın No : 7302776)
- 44 . Derleme Makale, KAYA SARIYE İREM, Çetinkaya Ahmet, ÖZKAN SİBEL AYŞIL (2021). Latest advances on the nanomaterials-based electrochemical analysis of azo toxic dyes Sunset Yellow and Tartrazine in food samples. Food and Chemical Toxicology (Uluslararası), 156, Doi: 10.1016/j.fct.2021.112524 (Yayın No : 7302764)
- 45 . Derleme Makale, KARADURMUŞ LEYLA, KAYA SARIYE İREM, ÖZKAN SİBEL AYŞIL (2021). Recent advances of enzyme biosensors for pesticide detection in foods. Journal of Food Measurement and Characterization (Uluslararası), 15, 4582-4595. , Doi: 10.1007/s11694-021-01032-3 (Yayın No : 7302762)
- 46 . Derleme Makale, KAYA SARIYE İREM,Çetinkaya Ahmet,ÖZKAN SİBEL AYŞIL (2020). Carbon Nanomaterial-Based Drug Sensing Platforms Using State-of-the-Art Electroanalytical Techniques. Current Analytical Chemistry (Uluslararası), 16, Doi: 10.2174/1573411016999200802024629 (Yayın No : 6719942)
- 47 . Derleme Makale, KAYA SARIYE İREM,Karabulut Tutku C.,KURBANOĞLU SEVİNÇ,ÖZKAN SİBEL AYŞIL (2020). Chemically Modified Electrodes in Electrochemical Drug Analysis. CURRENT PHARMACEUTICAL ANALYSIS (Uluslararası), 16 (6) , 641-660. , Doi: 10.2174/1573412915666190304140433 (Yayın No : 6604051)
- 48 . Derleme Makale, ÖZÇELİKAY GÖKSU,KARADURMUŞ LEYLA,KAYA SARIYE İREM,KARADAŞ BAKIRHAN NURGÜL,ÖZKAN SİBEL AYŞIL (2020). A Review: New Trends in Electrode Systems for Sensitive Drug and Biomolecule Analysis. CRITICAL REVIEWS IN ANALYTICAL CHEMISTRY (Uluslararası), 50 (3) , 212-225. , Doi: 10.1080/10408347.2019.1615406 (Yayın No : 6604048)
- 49 . Derleme Makale, KAYA SARIYE İREM,ÇETİNKAYA AHMET,KARADAŞ BAKIRHAN NURGÜL,ÖZKAN SİBEL AYŞIL (2020). Trends in sensitive electrochemical sensors for endocrine disruptive compounds. Trends in Environmental Analytical Chemistry (Uluslararası), 28, 106-. (Yayın No : 6576919)
- 50 . Derleme Makale, KAYA SARIYE İREM,KURBANOĞLU SEVİNÇ,ÖZKAN SİBEL AYŞIL (2019). Nanomaterials-Based Nanosensors for the Simultaneous Electrochemical Determination of Biologically Important Compounds: Ascorbic Acid, Uric Acid, and Dopamine. CRITICAL REVIEWS IN ANALYTICAL CHEMISTRY (Uluslararası), 49 (2) , 101-125. , Doi: 10.1080/10408347.2018.1489217 (Yayın No : 6604039)