

## Doç. Dr. EDA BIYIK

### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: AEU-9843-2022

ScopusID: 37055305100

### Eğitim Bilgileri

Doktora, Ankara Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık, Türkiye 2010 - 2017

Yüksek Lisans, Gazi Üniversitesi, Fen Fakültesi, Kimya, Türkiye 2007 - 2010

Lisans, Gazi Üniversitesi, Fen Fakültesi, Kimya, Türkiye 2003 - 2007

### Yaptığı Tezler

Doktora, TİMOLOL MALEAT İÇEREN TİCARİ FARMASÖTİK PREPARATLARDAKİ ETKİN MADDELERİN SPEKTROFOTOMETRİK VE KROMATOĞRAFİK ÖLÇÜMLERE DAYALI KEMOMETRİK YÖNTEMLERLE MİKTAR TAYİNLERİ, Ankara Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık, 2017

### Araştırma Alanları

Sağlık Bilimleri, Temel Bilimler

### Akademik Unvanlar / Görevler

Doç. Dr., Gazi Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2022 - Devam Ediyor

Dr. Öğr. Üyesi, Gazi Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2021 - Devam Ediyor

Uzman, Uşak Üniversitesi, Bilimsel Analiz Uygulama Ve Araştırma Merkezi, 2011 - 2012

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- New method for rapid detection and simultaneous determination of prohibited adrenergic drugs in sports using thin layer chromatography and image processing**  
BIYIK E., Casoni D., Szasz M. C., Cobzac S. C. A.  
Journal of Liquid Chromatography and Related Technologies, 2024 (SCI-Expanded)
- Two-way and three-way resolutions of fluorescence excitation-emission dataset for the co-estimation of two pharmaceuticals in a binary mixture**

Dinç E., Ertekin Z. C., Bıyık E.

Chemometrics and Intelligent Laboratory Systems, cilt.239, 2023 (SCI-Expanded)

- III. **Using Both Classical and Chemometric Chromatographic Measurements to Quantify and Monitor the in-vitro Dissolution Profiles of Lamivudine and Zidovudine in Combined Tablets**  
DİNÇ E., Ozdemir N., Tilkan M. G., Rouhani G., BIYIK E., Vu Dang Hoang V. D. H.  
CHEMISTRYSELECT, cilt.7, sa.43, 2022 (SCI-Expanded)
- IV. **Wavelet Signal Processing Tools for Quantifying and Monitoring the invitro Dissolution Profiles of Tenofovir Disoproxil Fumarate and Emtricitabine in Tablets**  
Dinç E., Özdemir A. N., Üstündağ Ö., Bıyık E., Tilkan G., Hoang V. D.  
Journal of Mexican Chemical Society, cilt.66, sa.4, ss.488-499, 2022 (SCI-Expanded)
- V. **A novel strategy on the spectrochromatographic analysis of a quaternary mixture by parallel factor analysis model**  
Dinç E., Ertekin Özkan Z. C., Bıyık E.  
BIOMEDICAL CHROMATOGRAPHY, cilt.36, sa.3, 2022 (SCI-Expanded)
- VI. **Spectrochromatographic determination of dorzolamide hydrochloride and timolol maleate in an ophthalmic solution using three-way analysis methods**  
Dinc E., Buker E.  
TALANTA, cilt.191, ss.248-256, 2019 (SCI-Expanded)
- VII. **Quantitative determination of dexamethasone in pharmaceutical tablets with continuous wavelet transforms**  
Dermis S., Buker E., Ertekin Z., Korkmaz E., Dinc E.  
Asian Journal of Chemistry, cilt.30, sa.11, ss.2567-2570, 2018 (SCI-Expanded)
- VIII. **Three-way Resolution of the Overlapping Ultrahigh-performance Liquid Spectrochromatograms for the Analysis of a Quaternary Mixture Using Parallel Factor Analysis**  
Dinc E., Buker E., Ertekin Z. C.  
ANALYTICAL LETTERS, cilt.51, sa.5, ss.742-759, 2018 (SCI-Expanded)
- IX. **Multiway analysis methods applied to the fluorescence excitation-emission dataset for the simultaneous quantification of valsartan and amlodipine in tablets**  
Dinc E., Ertekin Z. C., Buker E.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.184, ss.255-261, 2017 (SCI-Expanded)
- X. **A New UPLC Method with Chemometric Design-Optimization Approach for the Simultaneous Quantitation of Brimonidine Tartrate and Timolol Maleate in an Eye Drop Preparation**  
Buker E., Dinc E.  
JOURNAL OF CHROMATOGRAPHIC SCIENCE, cilt.55, sa.2, ss.154-161, 2017 (SCI-Expanded)
- XI. **Two-way and three-way approaches to ultra high performance liquid chromatography-photodiode array dataset for the quantitative resolution of a two-component mixture containing ciprofloxacin and ornidazole**  
Dinc E., Ertekin Z. C., Buker E.  
JOURNAL OF SEPARATION SCIENCE, cilt.39, sa.18, ss.3488-3497, 2016 (SCI-Expanded)
- XII. **Parallel factor analysis and trilinear partial least squares applied to the UPLC-PDA data array for the quantification of brimonidine tartrate and timolol maleate in an eye drop formulation**  
Dinc E., Buker E.  
JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES, cilt.39, sa.7, ss.374-383, 2016 (SCI-Expanded)
- XIII. **A new ultra performance liquid chromatographic method for determination of omeprazole in capsule dosage form**  
Dermis S., Ertekin Z. C., Buker E., Dinç E.  
Asian Journal of Chemistry, cilt.27, sa.12, ss.4689-4692, 2015 (SCI-Expanded)
- XIV. **A new fast reversed-phase ultra-performance liquid chromatographic approach for quantitative analysis of pantoprazole in tablets**

- Dermis S., Bükler E., Ertekin Z. C., Dinç E.  
Asian Journal of Chemistry, cilt.27, sa.12, ss.4675-4678, 2015 (SCI-Expanded)
- XV. **A New Application of Continuous Wavelet Transform to Overlapping Chromatograms for the Quantitative Analysis of Amiloride Hydrochloride and Hydrochlorothiazide in Tablets by Ultra-Performance Liquid Chromatography**  
Dinc E., Buker E.  
JOURNAL OF AOAC INTERNATIONAL, cilt.95, sa.3, ss.751-756, 2012 (SCI-Expanded)
- XVI. **Simultaneous determination of hydrochlorothiazide and olmesartan modoxomil in a binary mixture by the calibrations of the spectral linear regression equations**  
Dinç E., Bükler E., Baleanu D.  
Revista de Chimie, cilt.63, sa.7, ss.656-659, 2012 (SCI-Expanded)
- XVII. **Fractional and continuous wavelet transforms for the simultaneous spectral analysis of a binary mixture system**  
Dinç E., Buker E., Baleanu D.  
Communications in Nonlinear Science and Numerical Simulation, cilt.16, sa.12, ss.4602-4609, 2011 (SCI-Expanded)
- XVIII. **Ultra performance liquid chromatography for the rapid determination of allura red in a commercial liquid drink**  
Dinç E., Bükler E., Baleanu D.  
Revista de Chimie, cilt.62, sa.4, ss.459-461, 2011 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Application of PCR and PLS Tools for the Simultaneous Quantification of Praziquantel and Ivermectin Binary Mixtures in Veterinary Tablets**  
BIYIK E., DİNÇ E., YAŞAR N.  
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, cilt.10, ss.385-397, 2022 (Hakemli Dergi)

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **Exploring the chemical compounds by analytical methods and potential uses of traditional healing medicine derived from Rosa damascena Mill**  
Bıyık E.  
International Conference On Research Challenges In Science And Technology, Muğla, Türkiye, 18 - 19 Temmuz 2024, cilt.1, sa.1, ss.18
- II. **Investigating the in-vitro diuretic activity and rosmarinic acid content of extracts from Olea europaea L. Ayvalik and Olea europaea L. Gemlik for potential health and medicinal purposes.**  
Bıyık E., Casoni D.  
International Conference On Nanobiotechnology and Pharmacy, İstanbul, Türkiye, 9 - 10 Temmuz 2024, ss.23
- III. **Studies on Osteoarthritis, Gout and Antidepressant Effects and chemical active compounds of Platanus anatolius versus Platanus orientalis**  
SARAÇOĞLU İ. A., BIYIK E.  
4th international eurasian conference on biological and chemical science, Türkiye, 24 Kasım 2021
- IV. **Background, Present and Future of Food Supplements**  
SARAÇOĞLU İ. A., BIYIK E.  
3rd international congress on agricultural and food ethics, 05 Kasım 2021
- V. **Antiviral potential of medicinal plants and plant lectins: use in COVID-19 pandemic era.**  
BIYIK E., SARAÇOĞLU İ. A.  
International conference on new trends in science and application, Türkiye, 12 Ekim 2021
- VI. **A Simple UV Spectrophotometric Approach For Monitoring FAV-COV2 Binding**

BIYIK E., DİNÇ E.

International Third Gazi Pharma Symposium Series, Ankara, Türkiye, 08 Eylül 2021

## **Metrikler**

Yayın: 28

Atıf (WoS): 47

Atıf (Scopus): 62

H-İndeks (WoS): 5

H-İndeks (Scopus): 6