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

ScopusID: 37055305100

Education

Doctorate, Ankara University, Faculty of Pharmacy, Department of basic pharmaceutical science, Turkey 2010 - 2017

Postgraduate, Gazi University, Fen Fakültesi, Kimya, Turkey 2007 - 2010

Undergraduate, Gazi University, Fen Fakültesi, Kimya, Turkey 2003 - 2007

Dissertations

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

Research Areas

Health Sciences, Natural Sciences

Academic Positions

Associate Professor, Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2022 - Continues

Assistant Professor, Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2021 - Continues

Expert, Usak University, Scientific Analysis Application And Research Center, 2011 - 2012

Journal articles indexed in SCI, SSCI, and AHCI

- Unveiling the Potential of Three Endemic Gypsophila L. (Caryophyllaceae) Taxa as Promising Carbonic Anhydrase Inhibitors—Bio-Metabolic Profiles and In Vitro Evaluation of Enzyme Inhibition and Antioxidant Capacity**
BIYIK E., Kayabaş Avşar A., YİLDİRİM E., Casoni D., Cobzac S. C. A., Cimpoiu C.
Antioxidants, vol.14, no.2, 2025 (SCI-Expanded)

- II. **Application of continuous wavelet transforms for simultaneous estimation of domperidone and lansoprazole in capsule formulations**
ERTEKİN ÖZKAN Z. C., BIYIK E., VARHAN ORAL E., DİNÇ E.
MEASUREMENT, vol.242, 2025 (SCI-Expanded)
- III. **CHEMOMETRIC SMART APPROACHES USING ARTIFICIAL NEURAL NETWORKS AND CONTINUOUS WAVELET TRANSFORM FOR SIMULTANEOUS QUANTITATIVE ANALYSIS OF CIPROFLOXACIN-ORNIDAZOLE TABLETS**
DİNÇ E., Ari B., BIYIK E., Casoni D.
Studia Universitatis Babes-Bolyai Chemia, vol.2025, no.1, pp.203-219, 2025 (SCI-Expanded)
- IV. **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, vol.47, no.16-20, pp.360-367, 2024 (SCI-Expanded)
- V. **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., Biyik E.
Chemometrics and Intelligent Laboratory Systems, vol.239, 2023 (SCI-Expanded)
- VI. **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, vol.7, no.43, 2022 (SCI-Expanded)
- VII. **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., Biyik E., Tilkan G., Hoang V. D.
Journal of Mexican Chemical Society, vol.66, no.4, pp.488-499, 2022 (SCI-Expanded)
- VIII. **A novel strategy on the spectrophotographic analysis of a quaternary mixture by parallel factor analysis model**
Dinç E., Ertekin Özkan Z. C., Biyik E.
BIOMEDICAL CHROMATOGRAPHY, vol.36, no.3, 2022 (SCI-Expanded)
- IX. **Spectrophotographic determination of dorzolamide hydrochloride and timolol maleate in an ophthalmic solution using three-way analysis methods**
Dinc E., Buker E.
TALANTA, vol.191, pp.248-256, 2019 (SCI-Expanded)
- X. **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, vol.30, no.11, pp.2567-2570, 2018 (SCI-Expanded)
- XI. **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, vol.51, no.5, pp.742-759, 2018 (SCI-Expanded)
- XII. **Multway 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, vol.184, pp.255-261, 2017 (SCI-Expanded)
- XIII. **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, vol.55, no.2, pp.154-161, 2017 (SCI-Expanded)
- XIV. **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, vol.39, no.18, pp.3488-3497, 2016 (SCI-Expanded)

- XV. **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, vol.39, no.7, pp.374-383, 2016 (SCI-Expanded)

- XVI. **A new fast reversed-phase ultra-performance liquid chromatographic approach for quantitative analysis of pantoprazole in tablets**

Dermis S., B ker E., Ertekin Z. C., Din  E.

Asian Journal of Chemistry, vol.27, no.12, pp.4675-4678, 2015 (SCI-Expanded)

- XVII. **A new ultra performance liquid chromatographic method for determination of omeprazole in capsule dosage form**

Dermis S., Ertekin Z. C., B ker E., Din  E.

Asian Journal of Chemistry, vol.27, no.12, pp.4689-4692, 2015 (SCI-Expanded)

- XVIII. **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, vol.95, no.3, pp.751-756, 2012 (SCI-Expanded)

- XIX. **Simultaneous determination of hydrochlorothiazide and olmesartan modoxomil in a binary mixture by the calibrations of the spectral linear regression equations**

Din  E., B ker E., Baleanu D.

Revista de Chimie, vol.63, no.7, pp.656-659, 2012 (SCI-Expanded)

- XX. **Fractional and continuous wavelet transforms for the simultaneous spectral analysis of a binary mixture system**

Din  E., Buker E., Baleanu D.

Communications in Nonlinear Science and Numerical Simulation, vol.16, no.12, pp.4602-4609, 2011 (SCI-Expanded)

- XXI. **Ultra performance liquid chromatography for the rapid determination of allura red in a commercial liquid drink**

Din  E., B ker E., Baleanu D.

Revista de Chimie, vol.62, no.4, pp.459-461, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **Application of PCR and PLS Tools for the Simultaneous Quantification of Praziquantel and Ivermectin Binary Mixtures in Veterinary Tablets**

BIYIK E., D N  E., YA AR N.

D zce  niversitesi Bilim ve Teknoloji Dergisi, vol.10, pp.385-397, 2022 (Peer-Reviewed Journal)

Papers Presented at Peer-Reviewed Scientific Conferences

- 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, Mu la, Turkey, 18 - 19 July 2024,

vol.1, no.1, pp.18, (Summary Text)

- 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.**
Biyik E., Casoni D.
International Conference On Nanobiotechnology and Pharmacy, İstanbul, Turkey, 9 - 10 July 2024, pp.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, Turkey, 24 November 2021
- IV. **Background, Present and Future of Food Supplements**
SARAÇOĞLU İ. A., BIYIK E.
3rd international congress on agricultural and food ethics, 05 November 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, Turkey, 12 October 2021
- VI. **A Simple UV Spectrophotometric Approach For Monitoring FAV-COV2 Binding**
BIYIK E., DİNÇ E.
International Third Gazi Pharma Symposium Series, Ankara, Turkey, 08 September 2021

Metrics

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