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Publons / Web Of Science ResearcherID: H-2203-2017

ScopusID: 57220765492

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Education Information

Doctorate, Ankara University, Sağlık Bilimleri Enstitüsü, Analitik Kimya (Dr), Turkey 2014 - 2021

Undergraduate, Anadolu University, Faculty Of Business Administration, Department Of Business, Turkey 2008 - 2013

Undergraduate, Ankara University, Eczacılık Fakültesi, Eczacılık Pr., Turkey 2007 - 2012

Dissertations

Doctorate, Sülfonamidleri içeren farmasötik preparatlardaki etkin maddelerin cevap yüzey metodolojisine dayanan aşırı performanslı sıvı kromatografisi ile miktar tayinleri, Ankara University, Sağlık Bilimleri Enstitüsü, Analitik Kimya (Dr), 2021

Research Areas

Analytical Chemistry, Analytical Chemistry

Academic Titles / Tasks

Research Assistant, Ankara University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2013 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- Two-way and three-way resolutions of fluorescence excitation-emission dataset for the co-estimation of two pharmaceuticals in a binary mixture**
DİNÇ E., Ertekin Z. C., BIYIK E.
CHEMOMETRICS AND INTELLIGENT LABORATORY SYSTEMS, vol.239, 2023 (SCI-Expanded)
- Two- and Three-Dimensional Strategies for Determining Consecutive Acidity Constants of Ciprofloxacin and Enrofloxacin Using Fluorescent Excitation-Emission Measurements**

Dinç E., Yazan Z., Ertekin Z. C., Yıldız C.

CHEMISTRYSELECT, vol.8, no.27, 2023 (SCI-Expanded)

- III. **A Chemometric Strategy in the Development of a RP-UPLC Method for the Quantitative Resolution of a Two-Component Syrup Formulation**
Rouhani G., ERTEKİN ÖZKAN Z. C., DİNÇ E.
JOURNAL OF CHROMATOGRAPHIC SCIENCE, vol.60, no.10, pp.937-945, 2022 (SCI-Expanded)
- IV. **Two Different Strategies Based on Three-Way Analysis Models of UV Spectroscopic and Spectrochromatographic Measurements to Quantify the Acidity Constant of Acetylsalicylic Acid**
DİNÇ E., ERTEKİN ÖZKAN Z. C.
CHEMISTRYSELECT, vol.7, no.19, 2022 (SCI-Expanded)
- V. **A novel strategy on the spectrochromatographic analysis of a quaternary mixture by parallel factor analysis model**
DİNÇ E., ERTEKİN ÖZKAN Z. C., BIYIK E.
BIOMEDICAL CHROMATOGRAPHY, vol.36, no.3, 2022 (SCI-Expanded)
- VI. **Multiway resolution of spectrochromatographic measurements for the quantification of echinuline in marine-derived fungi *Aspergillus chevalieri* using parallel factor analysis**
ERTEKİN ÖZKAN Z. C., Heydari H., KONUKLUGİL B., DİNÇ E.
JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES, vol.1193, 2022 (SCI-Expanded)
- VII. **Comparative Study of the Quantitative Resolution of Paracetamol and Methocarbamol Mixture by Spectrophotometry with Wavelet Transform and UPLC Techniques**
GÜZEL R., ERTEKİN ÖZKAN Z. C., ZİYADANOĞULLARI B., DİNÇ E., ZİYADANOĞULLARI R.
PHARMACEUTICAL CHEMISTRY JOURNAL, vol.55, no.10, pp.1126-1132, 2022 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Complexometric determination of paracetamol with CuSO₄ in tablets and syrup formulations using parallel factor analysis**
TEĞİN İ., CANPOLAT G., ERTEKİN ÖZKAN Z. C., Güçlü N., DİNÇ E.
Fourth International Conference on New Trends in Chemometrics and Applications” (NTCA-2019), 30 April - 01 May 2019
- II. **Simultaneous Estimation of Desloratadine and Its pKa Value by PARAFAC Analysis of pH-Spectra Dataset**
DİNÇ E., Ünal N., ERTEKİN ÖZKAN Z. C.
4th International Conference on New Trends in Chemometrics and Applications, 01 May 2019
- III. **Analysis of Three-Dimensional pH-Spectral Data for The Quantitation of an Analyte and Estimation of Its pKa Value in Presence of Interferences**
Şen B., ÜSTÜNDAĞ Ö., ERTEKİN ÖZKAN Z. C., DİNÇ E.
4th International Conference on New Trends on chemometrics and Applications, 1 - 04 May 2019
- IV. **Parallel Factor Analysis of Voltammetric Data Arrays for The Enrofloxacin's pKa Prediction Using Cyclic and Square Wave Voltammetry**
Şen B., ÜSTÜNDAĞ Ö., ERTEKİN ÖZKAN Z. C., DİNÇ E.
4th International Conference on New Trends on chemometrics and Applications, 1 - 04 May 2019
- V. **Spectrophotometric and Liquid Chromatographic pKa Determination of Aspirin by Parallel Factor Analysis**
GÜZEL R., ERTEKİN ÖZKAN Z. C., DİNÇ E.
4th International Conference on New Trends on chemometrics and Applications, 1 - 04 May 2019
- VI. **Concurrent Analysis of Nebivolol and Hydrochlorothiazide in Tablets Using Mexican-Hat Wavelet**
GÜZEL R., ERTEKİN ÖZKAN Z. C., DİNÇ E.
4th International Conference on New Trends on chemometrics and Applications, 1 - 04 May 2019

- VII. **Chemometric pKa Determination of Ciprofloxacin by PARAFAC Application to Cyclic and Square Wave Voltammetric Data Analysis**
 Şen B., ÜSTÜNDAĞ Ö., ERTEKİN ÖZKAN Z. C., DİNÇ E.
 4th International Conference on New Trends on chemometrics and Applications, 1 - 04 May 2019
- VIII. **Application of Trilinear Parallel Factor Analysis Technique to the pH Spectra Dataset for Determination of Benzoic Acid's pKa Value**
 SELİMOĞLU F., Ünal N., ERTEKİN ÖZKAN Z. C., DİNÇ E.
 4th International Conference on New Trends in Chemometrics and Applications, 1 - 04 May 2019
- IX. **Simultaneous Chemometric Determination of Nebivolol and Hydrochlorothiazide in Tablets by PCR and PLS Techniques**
 Şen B., ÜSTÜNDAĞ Ö., ERTEKİN ÖZKAN Z. C., DİNÇ E.
 4th International Conference on New Trends on chemometrics and Applications, 1 - 04 May 2019
- X. **Spectrofluorimetric Determination of Telmisartan and Amlodipine by Multivariate Curve Resolution**
 Şen B., ÜSTÜNDAĞ Ö., ERTEKİN ÖZKAN Z. C., DİNÇ E.
 4th International Conference on New Trends on chemometrics and Applications, 1 - 04 May 2019
- XI. **Determination of Chlorogenic Acid in Melampyrum Arvense var. elatius in Presence of Sample Matrix Interferences Using PARAFAC Resolution Model**
 TEĞİN İ., CANPOLAT G., DİNÇ E., ERTEKİN ÖZKAN Z. C., Güçlü N.
 4th International Conference on New Trends in Chemometrics and Applications, 1 - 04 May 2019
- XII. **Spectrophotometric Quantitation of Nebivolol and Hydrochlorothiazide by Artificial Neural Network**
 Şen B., ÜSTÜNDAĞ Ö., ERTEKİN ÖZKAN Z. C., DİNÇ E.
 4th International Conference on New Trends on chemometrics and Applications, 1 - 04 May 2019
- XIII. **Spectrofluorimetric Determination of pKa Values of Ciprofloxacin and Enrofloxacin by Analysis of Excitation-Emission Dataset**
 GÜZEL R., ERTEKİN ÖZKAN Z. C., DİNÇ E.
 4th International Conference on New Trends on chemometrics and Applications, 1 - 04 May 2019
- XIV. **Artificial Neural Network for Simultaneous The Quantitative Spectrophotometric Determination of Amlodipine and Rosuvastatine**
 GÜZEL R., ERTEKİN ÖZKAN Z. C., DİNÇ E.
 4th International Conference on New Trends on chemometrics and Applications, 1 - 04 May 2019
- XV. **Quantitative Estimation of Active Compounds in a Binary Mixture by Signal Processing Method**
 GÜZEL R., ERTEKİN ÖZKAN Z. C., DİNÇ E.
 4th International Conference on New Trends on chemometrics and Applications, 1 - 04 May 2019
- XVI. **A New Application of Three-Way PARAFAC Model to UPLC-PDA Data for the Quantitative Estimation of Ascorbic Acid, Acetaminophen and Aspirin in Tablets with Second-Order Advantage**
 DİNÇ E., Bükür E., ERTEKİN ÖZKAN Z. C.
 29th International Symposium on Pharmaceutical and Biomedical Analysis (PBA-2018), 9 - 12 September 2018
- XVII. **Simultaneous Spectrophotometric Determination of Dexketoprofen Trometamol and Paracetamol in Tablets by Partial Least Squares and Principal Component Analysis Calibration Methods**
 DİNÇ E., ERTEKİN ÖZKAN Z. C.
 29th International Symposium on Pharmaceutical and Biomedical Analysis (PBA-2018), 9 - 12 September 2018
- XVIII. **Simultaneous Determination of Atenolol and Chlorthalidone in Tablets by PLS and PCR Methods**
 DİNÇ E., ERTEKİN ÖZKAN Z. C.
 12th International Symposium on Pharmaceutical Sciences (ISOPS-12), 26 - 29 June 2018, pp.240
- XIX. **Determination of Ciprofloxacin in an Ophthalmic Solution by Derivative Spectrophotometric Method**
 DERMİŞ S., Kılıç S., ERTEKİN ÖZKAN Z. C., DİNÇ E.
 12th International Symposium on Pharmaceutical Sciences (ISOPS-12), 26 - 29 June 2018, pp.265
- XX. **Multicomponent Analysis of Rosuvastatin and Amlodipin by Partial Least Squares and Principle Component Regression**
 ERTEKİN ÖZKAN Z. C., DİNÇ E.
 12th International Symposium on Pharmaceutical Sciences (ISOPS-12), 26 - 29 June 2018, pp.278

- XXI. **PLS and PCR Calibration Models for Spectral Analysis of Atorvastatin and Ezetimibe**
DİNÇ E., ERTEKİN ÖZKAN Z. C.
12th International Symposium on Pharmaceutical Sciences (ISOPS-12), 26 - 29 June 2018, pp.239
- XXII. **Use of Daubechies Wavelet Family for the Analysis of Atenolol and Chlorthalidone in Tablets**
ERTEKİN ÖZKAN Z. C., DİNÇ E., Ardiç A. H.
12th International Symposium on Pharmaceutical Sciences (ISOPS-12), 26 - 29 June 2018, pp.277
- XXIII. **Chemometric Optimization Approach for a New Voltammetric Quantitation of Cefdinir in Pharmaceutical Formulations**
DERMİŞ S., DİNÇ E., Akçasoy S., ERTEKİN ÖZKAN Z. C.
International Congress on Chemistry and Materials Science, 5 - 07 October 2017
- XXIV. **Spectrofluorimetric determination of valsartan and amlodipine in a binary mixture using PARAFAC model**
DİNÇ E., ERTEKİN ÖZKAN Z. C., Büker E.
Recent Developments in Pharmaceutical Analysis (RDPA 2017), 20 - 23 September 2017
- XXV. **Simultaneous determination of estradiol valerate and cyproterone acetate in tablets by ultra-performance liquid chromatography**
DİNÇ E., ERTEKİN ÖZKAN Z. C., Kaş F.
Recent Developments in Pharmaceutical Analysis (RDPA 2017), 20 - 23 September 2017
- XXVI. **Ultra-performance liquid chromatography for the quantification of guaifenesin and pseudoephedrine hydrochloride in a syrup preparation using experimental design and optimization**
Rouhani G., ERTEKİN ÖZKAN Z. C., DİNÇ E.
İVEK 3. Uluslararası İlaç ve Eczacılık Kongresi, 26 - 29 April 2017
- XXVII. **Bivariate and Multivariate Calibration Approaches for the Spectrophotometric Multicomponent Analysis of Rosuvastatin and Amlodipine in a Solid Dosage Form**
ERTEKİN ÖZKAN Z. C., DİNÇ E., Güzel Ö. F.
10th Aegean Analytical Chemistry Days, 29 September - 02 October 2016
- XXVIII. **Three Way resolution of poor chromatographic separation for the quantification of caffeic acid and chlorogenic acid in Crithmum maritimum L**
KÖROĞLU A., DİNÇ E., ERTEKİN ÖZKAN Z. C., HÜRKUL M. M.
Third international conference on new trends in chemometrics and applications, 25 - 28 May 2016
- XXIX. **Chromatographic least squares regression analysis for verbascoside in Aloysia citriodora Palau using UPLC method**
KENDİR G., KÖROĞLU A., ERTEKİN ÖZKAN Z. C., DİNÇ E.
Third International Conference on New Trends in Chemometrics and Applications (NTCA-2016), 25 - 28 May 2016
- XXX. **Simultaneous Quantitative Determination of a Two Component Mixture with Trilinear PLS Algorithm**
DİNÇ E., Büker E., ERTEKİN ÖZKAN Z. C.
Third International Conference on New Trends in Chemometrics and Applications (NTCA-2016), 25 - 28 May 2016
- XXXI. **Three Way Analysis of a Binary Mixture with PARAFAC Decomposition Model**
DİNÇ E., ERTEKİN ÖZKAN Z. C.
Third International Conference on New Trends in Chemometrics and Applications (NTCA-2016), 25 - 28 May 2016
- XXXII. **Continuous Wavelet Transforms for Spectral Quantitation of Amlodipine and Rosuvastatin in Marketed Tablets**
DİNÇ E., ERTEKİN ÖZKAN Z. C., ÜSTÜNDAĞ Ö.
Third International Conference on New Trends in Chemometrics and Applications (NTCA-2016), 25 - 28 May 2016
- XXXIII. **Application of Tucker3 Model to the Spectrofluorimetric Data for the Quantitation of an Antihypertensive Drug Combination**
DİNÇ E., Büker E., ERTEKİN ÖZKAN Z. C.
Third International Conference on New Trends in Chemometrics and Applications (NTCA-2016), 25 - 28 May 2016
- XXXIV. **Reversed Phase Ultra Performance Liquid Chromatographic Approach for The Simultaneous Quantitative Analysis of Ephedrine and Guaifenesin in A Syrup Formulation Using Chemometric Optimization Technique**

- Rouhani G., ERTEKİN ÖZKAN Z. C., DİNÇ E.
Third International Conference on New Trends in Chemometrics and Applications (NTCA-2016), 25 - 28 May 2016
- XXXV. **Development of a UPLC Method by Experimental Design and Optimization for Simultaneous Quantification of Isoniazid and Pyridoxine**
Tokar F., Büker E., ERTEKİN ÖZKAN Z. C., DİNÇ E.
Third International Conference on New Trends in Chemometrics and Applications (NTCA-2016), 25 - 28 May 2016
- XXXVI. **A Chemometric Optimization Approach for the Chromatographic Quantification of Domperidone and Lansoprazole in a Commercial Formulation**
VARHAN ORAL E., ERTEKİN ÖZKAN Z. C., Büker E., DİNÇ E.
Third International Conference on New Trends in Chemometrics and Applications (NTCA-2016), 25 - 28 May 2016
- XXXVII. **Chromatographic Least Squares Regression Analysis for Verbascozide in Aloysia citriodora Palau Using UPLC Method**
Kendir G., KÖROĞLU A., ERTEKİN ÖZKAN Z. C., DİNÇ E.
Third International Conference on New Trends in Chemometrics and Applications (NTCA-2016), 25 - 28 May 2016
- XXXVIII. **One Dimensional Continuous Wavelet Transform Approaches to the Simultaneous Determination of Domperidone and Lansoprazole in Tablets**
ERTEKİN ÖZKAN Z. C., Büker E., VARHAN ORAL E., ZİYADANOĞULLARI B., TEMEL H., ZİYADANOĞULLARI R., DİNÇ E.
Third International Conference on New Trends in Chemometrics and Applications (NTCA-2016), 25 - 28 May 2016
- XXXIX. **Simultaneous Determination of Clorsulon and Ivermectin in Veterinary Injectable Preparation by Wavelet Transform Approach**
DİNÇ E., ERTEKİN ÖZKAN Z. C., Parlak Y.
Third International Conference on New Trends in Chemometrics and Applications (NTCA-2016), 25 - 28 May 2016
- XL. **Spectrophotometric analysis of lipid lowering combination tablet by bivariate and multivariate calibration techniques**
DİNÇ E., ERTEKİN ÖZKAN Z. C., Singeç S.
Third International Conference on New Trends in Chemometrics and Applications (NTCA-2016), 25 - 28 May 2016
- XLI. **An Application of Trilinear PARAFAC Method to the UPLC PDA Data Array to the Simultaneous Quantitative Analysis of a Two Component Mixture**
GÜZEL R., ERTEKİN ÖZKAN Z. C., DİNÇ E.
Third International Conference on New Trends in Chemometrics and Applications (NTCA-2016), 25 - 28 May 2016
- XLII. **Three Way Resolution of Poor Chromatographic Separation for the Quantification of Caffeic Acid and Chlorogenic Acid in Crithmum maritimum L**
KÖROĞLU A., DİNÇ E., ERTEKİN ÖZKAN Z. C., HÜRKUL M. M.
Third International Conference on New Trends in Chemometrics and Applications (NTCA-2016), 25 - 28 May 2016
- XLIII. **Multivariate Optimization Approach to the Microextraction Conditions for the Quantitation of Clioquinol in Ointment**
Teğin İ., ERTEKİN ÖZKAN Z. C., DİNÇ E.
Third International Conference on New Trends in Chemometrics and Applications (NTCA-2016), 25 - 28 May 2016
- XLIV. **Simultaneous Quantitative Analysis of a Ternary Mixture with PARAFAC Decomposition**
DİNÇ E., ERTEKİN ÖZKAN Z. C., Büker E.
Third International Conference on New Trends in Chemometrics and Applications (NTCA-2016), 25 - 28 May 2016
- XLV. **Univariate Calibration Model for the Chromatographic Analysis of Pantoprazole in Tablets**
DERMİŞ S., Büker E., ERTEKİN ÖZKAN Z. C., DİNÇ E.
Third International Conference on New Trends in Chemometrics and Applications (NTCA-2016), 25 - 28 May 2016
- XLVI. **Quantitative Analysis of a Pharmaceutical Preparation Containing Atorvastatin and Ezetibime by Spectral Continuous Wavelet Transform Method**
ÜSTÜNDAĞ Ö., ERTEKİN ÖZKAN Z. C., DİNÇ E.
Third International Conference on New Trends in Chemometrics and Applications (NTCA-2016), 25 - 28 May 2016
- XLVII. **Application of Three Different Wavelet Families for The Quantitative Resolution of Paracetamol and Methocarbamol in Tablets**

GÜZEL R., ERTEKİN ÖZKAN Z. C., ZİYADANOĞULLARI B., DİNÇ E., ZİYADANOĞULLARI R.

Third International Conference on New Trends in Chemometrics and Applications (NTCA-2016), 25 - 28 May 2016

XLVIII. PARAFAC Approach to Spectrochromatographic Array for the Quantitative Resolution of a Two Component Mixture Containing Isoniazid and Pyridoxine Hydrochloride

DİNÇ E., ERTEKİN ÖZKAN Z. C., BÜKER E., TOKAR F.

Third International Conference on New Trends in Chemometrics and Applications (NTCA-2016), 25 - 28 May 2016

XLIX. Simultaneous Determination of Clorsulon and Ivermectin in Veterinary Injectable Preparation by a New UPLC Method

DİNÇ E., ERTEKİN ÖZKAN Z. C., ÖREN Y. E.

International Eurasia Pharmacy Congress, 3 - 07 September 2015

L. Ultra Performance Liquid Chromatography For The Determination Of Omeprazol In A Capsule Dosage Form

DERMİŞ S., ERTEKİN ÖZKAN Z. C., BÜKER E., DİNÇ E.

International Symposium on Pharmaceutical Sciences, 9 - 12 June 2015

LI. Simultaneous Quantitative Determination of Hydrochlorothiazide and Olmesartan Medoxomil in Tablets by a New UPLC Method

ERTEKİN ÖZKAN Z. C., DİNÇ E.

International Symposium on Pharmaceutical Sciences, 9 - 12 June 2015

LII. Deneysel Tasarım ve Optimizasyon Kullanılarak Aşırı Yüksek Basıncılı Sıvı Kromatografisi Yöntemi ile Hidroklorotiyazid ve Bisoprolol İçeren Farmasötik Preparatın Kantitatif Analizi

DİNÇ E., ERTEKİN ÖZKAN Z. C., ROUHANI G.

III. Eser Analiz Çalıştayı (EsAn-2014), Turkey, 15 - 18 May 2014

LIII. Hidroklorotiyazid-Bisoprolol Kombinasyonunu İçeren Tabletlerin Sürekli Dalgacık Dönüşüm Yöntemleri ile Miktar Tayinleri

DİNÇ E., ROUHANI G., ERTEKİN ÖZKAN Z. C.

III. Eser Analiz Çalıştayı (EsAn-2014), Turkey, 15 - 18 May 2014

LIV. Stability studies on piroxicam loaded niosomes

ERTEKİN ÖZKAN Z. C., SEZGİN BAYINDIR Z., YÜKSEL N.

International Symposium on Pharmaceutical Sciences ISOPS 10th, 26 - 29 June 2012

Metrics

Publication: 78

Citation (WoS): 99

Citation (Scopus): 134

H-Index (WoS): 7

H-Index (Scopus): 7

Scholarships

Doktora Sonrası Araştırma Bursu, TÜBİTAK, 2022 - 2023