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Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Analitik Kimya, Türkiye 2007 - 2013

Yüksek Lisans, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Analitik Kimya, Türkiye 2004 - 2007

Yüksek Lisans, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Analitik Kimya, Türkiye 2002 - 2004

Lisans, Ankara Üniversitesi, Fen Fakültesi, Kimya Bölümü, Türkiye 1997 - 2001

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, HT29 ve K562 kanser hücrelerinde protein ve metabolitlerin analizi için çeşitli analitik yöntemlerin geliştirilmesi, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Analitik Kimya (YI) (Tezli), 2013

Yüksek Lisans, Olmesartan medoksomil içeren farmasötik preparatların kapiler elektroforez yöntemi ile analizleri, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Analitik Kimya (YI) (Tezli), 2007

Yüksek Lisans, Schiff bazlarının organokalay(IV) komplekslerinin sentezi ve spektroskopik olarak incelenmeleri, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2004

Araştırma Alanları

Temel Eczacılık Bilimleri, Sağlık Bilimleri, Eczacılık, Analitik Kimya

Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi, Hacettepe Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2018 - Devam Ediyor

Yrd. Doç. Dr., Hacettepe Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2013 - 2018

Araştırma Görevlisi, Hacettepe Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2004 - 2013

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- II. **Plasma metabolomics for diagnostic biomarkers on ectopic pregnancy**
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- III. **Comparative Plant Metabolomics of Momordica charantia Seeds and Fruits**
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- IV. **Effects of genetic polymorphisms of CYP2J2, CYP2C9, CYP2C19, CYP4F2, CYP4F3 and CYP4A11 enzymes in preeclampsia and gestational hypertension**
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- V. **Pharmacometabolomic assessment of vitamin E loaded human serum albumin nanoparticles on HepG2 cancer cell lines**
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- VI. **Existence of advanced glycation / lipoxidation end-products in parenteral nutrition solutions and effects of infusion conditions on their levels**
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- VII. **Plasma irisin and metabolomic response differ between concentric and isometric exercise Effets différents de l'exercice concentrique et de l'exercice isométrique sur l'irisine plasmatique et la réponse métabolomique**
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- VIII. **Review on Characteristics and Analytical Methods of Rivaroxaban**
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- IX. **Differential role of prolyl hydroxylases on mitochondrial function of HL-1 cells in a model of iron deficiency**
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- X. **Ultrafiltration-based sample preparation and HPLC-UV determination of diclofenac in human plasma samples**
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- XI. **A combination of Q-TOF LC/MS and LC-MS/MS based metabolomics in pediatric-onset multiple sclerosis demonstrates potential biomarkers for unclassified patients**
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- XII. **Q-tof lc/ms-based untargeted metabolomics approach to evaluate the effect of folate-conjugated cyclodextrins on triple-negative breast cancer cells**

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- XIII. **Antitumor activity of Ankaferd Blood Stopper (R) on MCF-7 breast cancer: A proteomic approach to ascertain the mechanism of the action**
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- XIV. **Fabric phase sorptive extraction combined with high-performance liquid chromatography-photodiode array detection for the determination of tazarotene in gel dosage forms**
Dolaksiz Y. E., ÇELEBİER M., Kabir A., Furton K. G.
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- XV. **Polycationic cyclodextrin nanoparticles induce apoptosis and affect antitumoral activity in HepG2 cell line: An evaluation at the molecular level**
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- XVI. **Could Targeting HMGB1 be Useful for the Clinical Management of COVID-19 Infection?**
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- XVII. **Recent Developments in CE-MS Based Metabolomics**
ÇELEBİER M., NENİ M.
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- XVIII. **Bioanalytical Method Validation of an RP-HPLC Method for Determination of Rifampicin in Liver Perfusion Studies**
İZAT N., KAPLAN O., ÇELEBİER M., ŞAHİN S.
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- XIX. **Ultrafiltration-based Extraction and LC-MS/MS Quantification of Phenylalanine in Human Blood Sample for Metabolite Target Analysis**
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- XX. **UPLC-Q-TOF/MS based Untargeted Metabolite and Lipid Analysis on Premature Ovarian Insufficiency Plasma Samples**
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- XXI. **Recent Approaches to Integrate Multiomics Data on System Biology**
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- XXII. **Ultrafiltration-based Sample Preparation for Pharmaceutical Analysis**
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- XXIII. **Electrochemical Behavior and Square-Wave Stripping Voltammetric Determination of Roflumilast in Pharmaceutical Dosage Forms**
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- XXIV. **Predictive biomarkers of IgA vasculitis with nephritis by metabolomic analysis**
DEMİR S., KAPLAN O., ÇELEBİER M., SAĞ E., BİLGİNER Y., LAY İ., ÖZEN S.
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- XXV. **Polycystic ovary syndrome in adolescents: Q-TOF LC/MS analysis of human plasma metabolome**
ÇELEBİER M., KAPLAN O., Özel Ş., Engin-Üstün Y.
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- XXVI. **Development of a RP-HPLC method for simultaneous determination of reference markers used for in-situ rat intestinal permeability studies**
Soyseven M., Kaynak M. S., ÇELEBİER M., Aboul-Enein H. Y., Arli G.

- JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES, cilt.1147, 2020 (SCI-Expanded)
- XXVII. **Past, present and future of metabolomic studies Metabolomik çalışmaların dünü, bugünü ve yarını**
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- XXVIII. **Antiinfective and wound-healing pleiotropic actions of Ankaferd hemostat**
HAZNEDAROĞLU İ. C., ÇELEBİER M.
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- XXIX. **Discovery of Michael acceptor containing 1,4-dihydropyridines as first covalent inhibitors of L-/T-type calcium channels**
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- XXX. **Analysis of the Antiproliferative Effect of Ankaferd Hemostat on Caco-2 Colon Cancer Cells via LC/MS Shotgun Proteomics Approach**
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- XXXI. **Global omics strategies to investigate the effect of cyclodextrin nanoparticles on MCF-7 breast cancer cells**
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- XXXII. **Application of HPLC to Investigate the Physicochemical Properties and Intestinal Permeability of Ketoprofen**
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- XXXIII. **Development of HPLC Methods for Individual Determination of 20 Active Pharmaceutical Ingredients for Ussing-Chamber Studies**
KAYNAK M. S., Akgeyik E., ATEŞ M., ÇELEBİER M., ŞAHİN S.
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- XXXIV. **Ultrafiltration-Based Extraction and HPLC Analysis of Naproxen Sodium in Human Plasma Samples: an Innovative Approach to Pharmaceutical Analysis**
ÇELEBİER M., NENİNİ M., ALTINÖZ S.
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- XXXV. **Evaluation of Pharmaceutical Quality of Conventional Dosage Forms Containing Paracetamol and Caffeine Available in the Turkish Drug Market**
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- XXXVI. **Determination of Rivaroxaban in Human Plasma by Solid-Phase Extraction-High Performance Liquid Chromatography**
ÇELEBİER M., REÇBER T., KOÇAK E., ALTINÖZ S., KIR S.
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- XXXVII. **Indirect square-wave voltammetric determination of cefepime in the presence of formaldehyde**
SÜSLÜ İ., ÇELEBİER M., Kablan S., Altinöz S.
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- XXXVIII. **A Rapid and Simple High-Performance Liquid Chromatographic Method for the Analysis of Ceftriaxone in Perilymph Fluid**
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- XXXIX. **Synthesis, in vitro antioxidant activity, and physicochemical properties of novel 4,5-dihydro-1H-1,2,4-triazol-5-one derivatives**
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- XL. **HPLC determination of olanzapine and carbamazepine in their nicotinamide cocrystals and investigation of the dissolution profiles of cocrystal tablet formulations**
Renkoglu P., ÇELEBİER M., Arica-Yegin B.
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- XLI. **EVALUATION OF A CAPILLARY ELECTROPHORESIS METHOD FOR ROUTINE DETERMINATION OF VARENICLINE TARTRATE IN QUALITY-CONTROL LABORATORIES**
ÇELEBİER M., KOÇAK E., Altinoz S.
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- XLII. **UV Spectrophotometric Method for Determination of the Dissolution Profile of Rivaroxaban**
ÇELEBİER M., KAYNAK M. S., ALTINÖZ S., ŞAHİN S.
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- XLIII. **Electrochemical behaviour investigation and square-wave voltammetric determination of rivaroxaban in pharmaceutical dosage forms**
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- XLIV. **Synthesis, In Vitro Antimicrobial and Antioxidant Activities of Some New 4,5-Dihydro-1H-1,2,4-triazol-5-one Derivatives**
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- XLV. **Determination of pK(a) Values of Some Benzoxazoline Derivatives and the Structure-Activity Relationship**
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- XLVI. **Validation of Spectrophotometric Method to Quantify Veranicline Content in Tablets**
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- XLVII. **RP-HPLC method development and validation for estimation of rivaroxaban in pharmaceutical dosage forms**
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- XLVIII. **Determination of in vitro Dissolution Profiles of Amlodipine Besylate and Olmesartan Medoxomil Using a New "HPLC Method"**
KAYNAK M. O., ÇELEBİER M., ŞAHİN S., Altinoz S.
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- XLIX. **Validated voltammetric determination of olmesartan medoxomil: Method development and electrochemical behaviors investigation**
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- L. **Simultaneous Determination of Olmesartan Medoxomil and Amlodipine Besylate in Pharmaceutical Formulations by Capillary Zone Electrophoresis**
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- LI. **HPLC method development for the simultaneous analysis of amlodipine and valsartan in combined dosage forms and in vitro dissolution studies**
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- LII. **Synthesis, Characterization, and In Vitro Antimicrobial Activities of Organotin(IV) Complexes of Schiff Bases with ONO-type Donor Atoms**
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- LIII. **VALIDATION OF AN HPLC METHOD FOR THE DETERMINATION OF NAPROXEN SODIUM IN POLY(LACTIDE-CO-GLYCOLIDE) CORNEAL SCAFFOLDS**
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- LIV. **Application of Capillary Electrophoresis to Investigate the Degradation Kinetic of Olmesartan Medoxomil**
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- LV. **Development of a CZE method for the determination of Olmesartan medoxomil in tablets**
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- LVI. **Synthesis and characterization of diorganotin(IV) complexes of Schiff bases with ONO-type donors and crystal structure of [N-(2-hydroxy-4-nitrophenyl)-3-ethoxysalicylideneiminato]diphenyltin(IV)**
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- LVII. **Determination of rosuvastatin in pharmaceutical formulations by capillary zone electrophoresis**
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Diğer Dergilerde Yayınlanan Makaleler

- I. **A Plant Metabolomic Approach to Identify the Difference of the Seeds and Flowers Extracts of *Carthamus tinctorius* L.**
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- II. **Determination of quality of tablets containing irbesartan and hydrochlorothiazide via newly developed and validated simultaneous HPLC method**
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- IV. **Exposure of Hepatocellular Carcinoma Cells to Ankaferd Blood Stopper (R) Alters Cell Death Signaling Networks Confirmed by Oncoproteomic and Genomic Profiling Studies**
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- V. **Evaluation of Recent Data Processing Strategies on Q-TOF LC/MS Based Untargeted Metabolomics**
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- VI. **Liquid-liquid extraction and ultrafiltration based sample preparation technique for Q-TOF LC/MS analysis of non-polar metabolites in human plasma samples**
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- VII. **Comparison of cell lysis techniques via q-tof lc/ms**
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- VIII. **Determination of the physicochemical properties of piroxicam**
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- IX. **Investigating the physicochemical properties of phenazopyridine hydrochloride using high-performance liquid chromatography and UV-visible spectrophotometry**
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Kitap & Kitap Bölümleri

- I. **HMGB1-targeting herbal medicinal plant extracts for the phytotherapy of cancer and potential management of COVID-19**
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- II. **An Overview of Food Metabolomics: CE-MS Based Targeted and Non-targeted Analysis**
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Current and Future Developments in Food Science, Castro-Puyana María, Herrero Miguel, Marina María Luisa,
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **AN INNOVATIVE SAMPLE PREPARATION TECHNIQUE TO EVALUATE THE DIFFERENCES IN METABOLOME LEVELS FOR SYNOVIA AND FAT TISSUES**
KARAÇOBAN L., KAPLAN O., MENDERES Y., ÇELEBİER M., KORKUSUZ F.
European Orthopaedic Research Society 28th Annual Meeting Congress, İzmir, Türkiye, 17 - 18 Eylül 2020
- II. **Proteomic Investigation of In-Vitro Antineoplastic Effect of Ankaferd Hemostat with 2D Gel Electrophoresis and MALDI-TOF/TOF-MS in HepG2, Caco-2 and HT-29 Cancer Cells**
NENİ M., ÇELEBİER M., SÜSLÜ İ., HAZNEDAROĞLU İ. C.
The International Society on Thrombosis and Hemostasis (ISTH), 6 - 10 Temmuz 2019
- III. **Comparison of different sample preparation techniques on human plasma samples for Q-TOF LC/MS based metabolite profiling**
ÇELEBİER M., KAPLAN O., KOÇAK E.
Euroanalysis 2019, İstanbul, Türkiye, 1 - 05 Temmuz 2019
- IV. **Comparison of Metabolite Extraction Techniques for LC/MS Based Metabolomics on Human Blood Plasma**
KAPLAN O., KOÇAK E., ÇELEBİER M.
International Multidisciplinary Symposium on Drug Research Development - DRD 2019, Malatya, Türkiye, 1 - 03 Temmuz 2019
- V. **Is It Possible To Use Pooled Plasma Samples For Large-Scale Human Metabolomic Studies? A Comparison Of The Metabolite Profiles Of Pooled Plasma Samples With Random Individual Samples Using Q-TOF LC/MS**
ÇELEBİER M., KAPLAN O., OZEL Ş., ÜSTÜN Y., KOÇAK E.

1st International Congress on Analytical and Bioanalytical Chemistry, Antalya, Türkiye, 27 - 30 Mart 2019

- VI. **A Metabolomic Study to Investigate the Effect of Folate Conjugated Nanoparticles on Triple Negative Breast Cancer Cells**
ERCAN A., ÇELEBİER M., varol ı., KAPLAN O., Varan G., ÖNCÜL S., KOÇAK E., BİLENSOY E.
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- VII. **HPLC Determination of Epirubicin in Nanoparticulate Drug Delivery System**
Gençer A., Duraloğlu C., Koçak E., Çelebier M., Arıca Yegin B.
12th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Türkiye, 26 - 29 Haziran 2018
- VIII. **The effect of polycationic amphiphilic cyclodextrin nanoparticles on mda-mb cancer cells: A metabolomic approach to understand the mechanism**
ÇELEBİER M., KAPLAN O., VARAN G., ÖNCÜL S., KOÇAK E., ERCAN A., BİLENSOY E.
12 th International symposium on pharmaceutical sciences, 26 Haziran 2018
- IX. **Identification of Organochlorine Pesticides (OCPs), in Spiked Commercial Cow Milk Samples by GC-MS**
NENİNİ M., ZEKİ Ö. C., SÜSLÜ İ., ÇELEBİER M., ALTINÖZ S.
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- X. **Investigation of The Effect of Commercial Herbal Mixture on HepG2 Liver Cancer Cell Line by Proteomic Approach**
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- XI. **GENOMIC AND METABOLOMIC STUDIES OF POLYCATIONIC AMPHIPHILIC CYCLODEXTRIN NANOPARTICLES ON HEPG2 CELL LINE**
ERCAN A., ÇELEBİER M., Varan G., ÖNCÜL S., KOÇAK E., KAPLAN O., BİLENSOY E.
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- XII. **Ultrafiltration-Based Extraction and LC-MS/MS Analysis of Phenylalanine in Human Plasma Samples**
REÇBER T., ÇELEBİER M., NEMUTLU E., ALTINÖZ S., KIR S.
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- XIII. **Identification of Polychlorinated Biphenyls (PCBs) in Spiked Human Plasma Samples by GC-MS**
NENİNİ M., zeki ö. c., SÜSLÜ İ., ÇELEBİER M., ALTINÖZ S.
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- XIV. **MCF-7 Breast Cell Proteome Analysis Determination With New UPLC/MS Method**
KOÇAK E., ÖNCÜL S., NENİNİ M., kaplan o., ÇELEBİER M., SÜSLÜ İ., ERCAN A., ALTINÖZ S.
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- XV. **A New Hplc Method for Determination of Naproxen in Human Plasma Samples**
NENİNİ M., ÇELEBİER M., SÜSLÜ İ., ALTINÖZ S.
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- XVI. **Assit Ayırıcı Tanısında Assit Metabolom Tayini için Sıvı Kromatografisi Kütle Spektroskopisi (LC-Q TOF-MS) Yöntemi Geliştirilmesi**
Kaplan O., ÇELEBİER M., SÜSLÜ İ., Öztürk ö., ALTINÖZ S.
Uluslararası Katılımlı 15. Ulusal Spektroskopi Kongresi, Türkiye, 17 - 19 Mayıs 2017
- XVII. **Ultrafiltration based extraction and high performance liquid chromatographic analysis of ceftriaxone in human plasma and perilymph fluid samples**
NENİNİ M., Kaplan O., SÜSLÜ İ., ÇELEBİER M., Boynueğri S., ALTINÖZ S.
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- XVIII. **New Standard Flow UPLC Method for Identification of CaCo2 Cell Line Proteome**
KOÇAK E., ÇELEBİER M., BİBEROĞLU K., TACAL Ö., ALTINÖZ S.
10 Aegean Analytical Chemistry Days, 26 Eylül - 02 Ekim 2016
- XIX. **Square wave stripping voltammetric determination of roflumilast in pharmaceutical formulations**
SÜSLÜ İ., ÇELEBİER M., ALTINÖZ S.
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2015

- XX. **Investigation of the Physicochemical properties of 12 New 1,4-Substitutedphenyl-2-Thiazolyl-3,4-Methylphenyl-5,2-Furyl-4,5-Dihydro-1H-Pyrazole Derivatives**
ÇELEBİER M., Salgın Gökşen U., GÖKHAN KELEKÇİ N.
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- XXI. **Indirect square wave voltammetric determination of cefepime in the presence of formaldehyde**
SÜSLÜ İ., ÇELEBİER M., SEVİLAY K. E., ALTINÖZ S.
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- XXII. **Determination of Rivaroxaban in Human Plasma by Solid Phase Extraction High Performance Liquid Chromatography**
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- XXIII. **A new alternative to solid phase extraction of ceftriaxone in human plasma samples ultrafiltration based extraction and HPLC analysis**
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- XXIV. **Effect of internal standard on HPLC analysis of tablet dosage forms An experimental study with statistical comparison**
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- XXVI. **Investigation of the Physicochemical Properties of Drugs by HPLC and UV Spectrophotometry Using Phenazopyridine HCl as a Model Molecule**
ÇELEBİER M., KOÇAK E., DOĞAN A., ALTINÖZ S., BAŞCI N. E.
30th International Symposium on Chromatography, ISC 2014, Salzburg, Avusturya, 14 - 18 Eylül 2014
- XXVII. **Fractional Wavelet Transform and Chemometric Calibrations for the Simultaneous Determination of Amlodipine and Valsartan in Their Complex Mixture**
ÇELEBİER M., ALTINÖZ S., DİNÇ E.
International Workshops on New Trends in Science and Technology (NTST 08)/ Fractional Differentiation and its Applications (FDA08), Ankara, Türkiye, 01 Kasım 2008, ss.333-335

Desteklenen Projeler

- ÇELEBİER M., TÜBİTAK Projesi, Sistem Biyolojisi Yaklaşımıyla Siklodekstrin Nanopartiküllerin MCF7 Hücreleri Üzerine Etkisinin İncelenmesi, 2015 - Devam Ediyor
- BABAOĞLU M. Ö., VANLI TONYALI N., ŞAHİN UYGUR D., Ongun M. C., BAŞCI AKDUMAN N. E., ÇELEBİER M., YÜCEL A., KAPLAN O., Yükseköğretim Kurumları Destekli Proje, Preeklampside ve Gestasyonel Hipertansiyonda CYP4F2, 4F3, 4A11, 2J2, 2C9, 2C19, Solubl Epoksit Hidrolaz Enzimleri ile İlaç Transporteri MDR1 Genetik Polimorfizmlerinin Etkileri, 2019 - 2021
- ŞARDAN EKİZ M., ÇELEBİER M., ARSLAN Ö., YILMAZ E., Yükseköğretim Kurumları Destekli Proje, Kozmetiklerde paraben türevleri ve fenoksietanol için analitik yöntem geliştirilmesi ve validasyonu, 2019 - 2021
- ÖZEN S., ÇELEBİER M., DEMİR S., Yükseköğretim Kurumları Destekli Proje, Romatizmal hastalıklarda mikrobiyanın ve proteomik ve metabolomik analiz sonuçlarının hastalık patogenezi ve seyrindeki etkilerinin incelenmesi: Kısım 1 Henoch Schönlein Purpurası/ IgA vaskülitinde metabolomik inceleme, 2018 - 2019
- ÇELEBİER M., Yükseköğretim Kurumları Destekli Proje, Yeni 4,5-dihidro-1H-1,2,4-triazol-5-on türevlerinin sentezi, in vivo antioksidan aktivitesi ve fizikokimyasal özellikleri, 2016 - 2018

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Metrikler

Yayın: 99

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Atıf (Scopus): 177

H-İndeks (WoS): 9

H-İndeks (Scopus): 8

Akademi Dışı Deneyim

Autonomous University of Madrid

Yakın Doğu Üniversitesi Eczacılık Fakültesi

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