

## Arş.Gör.Dr. ENGİN KOÇAK

### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Eczacılık Fakültesi, Analitik Kimya, Türkiye 2011 - 2017

Yüksek Lisans, Hacettepe Üniversitesi, Fen Fakültesi, Kimya, Türkiye 2006 - 2009

### Yabancı Diller

İngilizce, C1 İleri

### Yaptığı Tezler

Yüksek Lisans, DEVELOPMENT AND CONTROL OF RADIATION-INDUCED CONDUCTIVITY IN

POLYANILINE/CHLORALHYDRATE COMPOSITES, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2009

### Araştırma Alanları

Temel Eczacılık Bilimleri, Sağlık Bilimleri, Eczacılık, Analitik Kimya, Kimya, Analitik Kimya, Kromatografi, Kütle Spektroskopisi, Moleküler Kütle Spektrometrisi, Örnek hazırlama, Spektroskopik Yöntemler, Temel Bilimler

### Akademik Unvanlar / Görevler

Araştırma Görevlisi, Hacettepe Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2012 - Devam Ediyor

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

- I. Polycationic cyclodextrin nanoparticles induce apoptosis and affect antitumoral activity in HepG2 cell line: An evaluation at the molecular level**  
ERCAN A., ÇELEBİER M., ÖNCÜL S., VARAN G., KOÇAK E., Benito J. M., BİLENSOY E.  
International Journal of Pharmaceutics, cilt.598, 2021 (SCI İndekslerine Giren Dergi)
- II. Metabolomics and proteomics profiles of some medicinal plants and correlation with BDNF activity**  
Gonulalan E. M., NEMUTLU E., Bayazeid O., KOÇAK E., Yalcin F. N., DEMİREZER L. Ö.  
PHYTOMEDICINE, cilt.74, 2020 (SCI İndekslerine Giren Dergi)
- III. Analysis of the Antiproliferative Effect of Ankaferd Hemostat on Caco-2 Colon Cancer Cells via LC/MS Shotgun Proteomics Approach**  
KOÇAK E., ÇELEBİER M., HAZNEDAROĞLU İ. C., ALTINÖZ S.  
BIOMED RESEARCH INTERNATIONAL, cilt.2019, 2019 (SCI İndekslerine Giren Dergi)
- IV. Determination of Rivaroxaban in Human Plasma by Solid-Phase Extraction-High Performance Liquid Chromatography**

ÇELEBİER M., REÇBER T., KOÇAK E., ALTINÖZ S., KIR S.

JOURNAL OF CHROMATOGRAPHIC SCIENCE, cilt.54, sa.2, ss.216-220, 2016 (SCI İndekslerine Giren Dergi)

V. **EVALUATION OF A CAPILLARY ELECTROPHORESIS METHOD FOR ROUTINE DETERMINATION OF VARENICLINE TARTRATE IN QUALITY-CONTROL LABORATORIES**

ÇELEBİER M., KOÇAK E., Altinoz S.

MACEDONIAN JOURNAL OF CHEMISTRY AND CHEMICAL ENGINEERING, cilt.34, sa.2, ss.267-275, 2015 (SCI İndekslerine Giren Dergi)

VI. **RP-HPLC method development and validation for estimation of rivaroxaban in pharmaceutical dosage forms**

ÇELEBİER M., REÇBER T., KOÇAK E., ALTINÖZ S.

BRAZILIAN JOURNAL OF PHARMACEUTICAL SCIENCES, cilt.49, sa.2, ss.359-366, 2013 (SCI İndekslerine Giren Dergi)

VII. **Validation of Spectrophotometric Method to Quantify Veranicline Content in Tablets**

KOÇAK E., ÇELEBİER M., ALTINÖZ S.

ASIAN JOURNAL OF CHEMISTRY, cilt.25, sa.4, ss.1845-1848, 2013 (SCI İndekslerine Giren Dergi)

### **Diğer Dergilerde Yayınlanan Makaleler**

I. **Comparative Proteomic Analysis of Escherichia coli Under Ofloxacin Stress**

KOÇAK E., ÖZKUL KOÇAK C.

TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, cilt.18, sa.2, ss.133-139, 2021 (ESCI İndekslerine Giren Dergi)

II. **Short-term adaptive metabolic response of Escherichia coli to ciprofloxacin exposure**

KOÇAK E., ÖZKUL KOÇAK C.

ISTANBUL JOURNAL OF PHARMACY, cilt.51, sa.1, ss.79-84, 2021 (ESCI İndekslerine Giren Dergi)

III. **Liquid-liquid extraction and ultrafiltration based sample preparation technique for Q-TOF LC/MS analysis of non-polar metabolites in human plasma samples**

KOÇAK E., KAPLAN O., ÇELEBİER M.

Journal of Research in Pharmacy, cilt.24, sa.1, ss.38-43, 2020 (ESCI İndekslerine Giren Dergi)

IV. **Evaluation of regular UPLC/MS system for experimental and clinical proteomics**

KOÇAK E., ALTINÖZ S.

JOURNAL OF RESEARCH IN PHARMACY, cilt.24, sa.4, ss.582-592, 2020 (ESCI İndekslerine Giren Dergi)

V. **Metabolic response of Escherichia coli to subinhibitory concentration of ofloxacin**

KOÇAK E., ÖZKUL KOÇAK C.

JOURNAL OF RESEARCH IN PHARMACY, cilt.24, sa.4, ss.593-601, 2020 (ESCI İndekslerine Giren Dergi)

VI. **Investigating the physicochemical properties of phenazopyridine hydrochloride using high-performance liquid chromatography and UV-visible spectrophotometry**

ÇELEBİER M., KOÇAK E., DOĞAN A., Altinoz S., Basci N. E.

JOURNAL OF RESEARCH IN PHARMACY, cilt.22, sa.4, ss.528-535, 2018 (ESCI İndekslerine Giren Dergi)

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

I. **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

II. **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

- III. **THE INTEGRATED PROTEOMICS AND METABOLOMICS ANALYSIS OF ESCHERICHIA COLI UNDER OFLOXACIN STRESS**  
KOÇAK E., ÖZKUL KOÇAK C.  
International Multidisciplinary Symposium on Drug Research and Development, 1 - 03 Temmuz 2019
- IV. **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
- V. **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.  
EUFEPS Annual Meeting 2019 PERSONALIZED MEDICINES, TARGETED THERAPIES, PRECISION DRUG DELIVERY, 6 - 08 Mart 2019
- VI. **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
- VII. **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.  
EUFEPS Annual Meeting 2018 Crossing Barriers for Future Medicines, 24 - 26 Mayıs 2018
- VIII. **ACIDITY DISSOCIATION CONSTANT DETERMINATION OF GABAPENTIN BY POTENTIOMETRIC METHODS**  
Zeki Ö. C. , DOĞAN A., KOÇAK E., SÜSLÜ İ.  
2nd International Gazi Pharma Symposium Series (GPSS-2017), 11 - 13 Ekim 2017
- IX. **Determination of Rosuvastatin Calcium-Bovine Serum Albumin Complex Formation Constant Using UV-Visible Spectroscopy**  
DOĞAN A., KOÇAK E., ALTINÖZ S., BAŞCI N. E.  
2nd International Gazi Pharma Symposium Series (GPSS-2017), 11 - 13 Ekim 2017
- X. **MCF-7 Breast Cell Proteome Analysis Determination With New UPLC/MS Method**  
KOÇAK E., ÖNCÜL S., NENİ M., kaplan o., ÇELEBİER M., SÜSLÜ İ., ERCAN A., ALTINÖZ S.  
Symposium on Drug Research Development, 5 - 07 Ekim 2017
- XI. **Determination of Log P value of kojic Acid Derivative By Using UV-Spectroscopy**  
Kaplan O., KOÇAK E., ALTINÖZ S., AYTEMİR M.  
International Multidisciplinary Symposium on Drug Research Development, 5 - 07 Ekim 2017
- XII. **Fibroblast growth factor-antisense overexpression in medial prefrontal cortex regulates anxiety-like behaviour in rats**  
KOÇAK E., Hokelekli F. O. , Karatas-Kursun H., Yemisci M., DALKARA T.  
30th Congress of the European-College-of-Neuropsychopharmacology (ECNP), Paris, Fransa, 2 - 05 Eylül 2017, cilt.27
- XIII. **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
- XIV. **Effect of rosemary extracts on cholesterol levels determined by gas chromatography mass spectrometry in liver of colon cancer model mice**  
SÜSLÜ İ., JOSE A M., KOÇAK E., ALMUDENA P., VICENTE M., ELENA I., ALEJANDRO C.  
International Multidisciplinary Symposium on Drug Research & Development (DRD 2015), Türkiye, 15 - 17 Ekim 2015
- XV. **Determination of Rivaroxaban in Human Plasma by Solid Phase Extraction High Performance Liquid**

## **Chromatography**

ÇELEBİER M., REÇBER T., KOÇAK E., ALTINÖZ S., KIR S.

International Eurasia Pharmacy Congress, 3 - 07 Eylül 2015

## **XVI. 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

## **Desteklenen Projeler**

ALTINÖZ S., KOÇAK E., Yükseköğretim Kurumları Destekli Proje, PROTEOMİK ÇALIŞMALARDA UPLC/MS METODUNUN OPTİMİZE EDİLMESİ VALİDASYONU VE UYGULANMASI, 2017 - 2018

## **Atıflar**

Toplam Atıf Sayısı (WOS):37

h-indeksi (WOS):4