

# Prof. MUSTAFA ÇELEBİER

## Personal Information

**Office Phone:** [+90 312 305 1499](tel:+903123051499)

**Email:** [celebier@hacettepe.edu.tr](mailto:celebier@hacettepe.edu.tr)

**Web:** <https://avesis.hacettepe.edu.tr/celebier>

**Address:** Hacettepe Üniversitesi, Eczacılık Fakültesi, Analitik Kimya Anabilim Dalı, Sıhhiye, Ankara

## International Researcher IDs

ORCID: 0000-0001-7712-5512

ScopusID: 16641914100

Yoksis Researcher ID: 169582

## Education Information

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Analitik Kimya, Turkey 2007 - 2013

Postgraduate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Analitik Kimya, Turkey 2004 - 2007

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Analitik Kimya, Turkey 2002 - 2004

Undergraduate, Ankara University, Fen Fakültesi, Kimya Bölümü, Turkey 1997 - 2001

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

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

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

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

## Research Areas

Basic Pharmaceutics Sciences, Health Sciences, Pharmacology and Therapeutics, Analytical Chemistry

## Academic Titles / Tasks

Assistant Professor, Hacettepe University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2018 - Continues

Assistant Professor, Hacettepe University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2013 - 2018

Research Assistant, Hacettepe University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2004 - 2013

## ADVISING TESISES

ÇELEBİER M., Assit ayırıcı tanısında assit metabolom tayini için sıvı kromatografisi kütle spektrometrisi yöntemi geliştirilmesi, Postgraduate, O.KAPLAN(Student), 2017

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Metabolomic signature in ocular dosing: Exploring the metabolic impacts of sublethal high-dose naringenin on ARPE-19 cells**  
KAPLAN O., Koc E., TÜRK S., Kucukkilinc T. T., GÖKTAŞ Z., ÇELEBİER M.  
EUROPEAN JOURNAL OF INTEGRATIVE MEDICINE, vol.72, 2024 (SCI-Expanded)
- II. **Comparison of free <i>vs.</i> liposomal naringenin in white adipose tissue browning in C57BL/6j mice**  
Bas K. U., AĞAÇDİKEN A., Demet E. D. O., Aslan D., REÇBER T., Ozturk S. C., GÜLSÜN İNAL T., ÇELEBİER M., GÖKTAŞ Z.  
JOURNAL OF LIPOSOME RESEARCH, 2024 (SCI-Expanded)
- III. **A Facile and Efficient Protocol for Phospholipid Enrichment in Synovial Joint Fluid: Monodisperse-Mesoporous SiO<sub>2</sub> Microspheres as a New Metal Oxide Affinity Sorbent**  
Aladag S., Demirdis I., GÖKÇAL KAPUCU B., Koc E., KAPLAN O., AKTAŞ B. E., ÇELEBİER M., Tuncel A., KORKUSUZ F.  
SEPARATIONS, no.9, 2024 (SCI-Expanded)
- IV. **Untargeted metabolomics to discriminate liver and lung hydatid cysts: Importance of metabolites involved in the immune response**  
NENİ M., ÇELEBİER M., Maçın S., ÖRSTEN S., YABANOĞLU ÇİFTÇİ S., BAYSAL İ.  
Veterinary Parasitology, vol.328, 2024 (SCI-Expanded)
- V. **A Comprehensive Examination of UV-VIS Spectrophotometric Methods in Pharmaceutical Analysis Between 2015-2023**  
Enes D., Dastan K., KAPLAN O., ÇELEBİER M., DOĞAN A.  
COMBINATORIAL CHEMISTRY & HIGH THROUGHPUT SCREENING, 2024 (SCI-Expanded)
- VI. **Adapting Fabric Phase Sorptive Extraction as an Innovative Multitool for Sample Transfer and Extraction in Pharmacokinetic Analysis Followed by LC-MS Determination of Levofloxacin in Plasma Samples**  
Ekin Dolaksiz Y., KAYNAK M. S., Kabir A., Furton K. G., ÇELEBİER M.  
ACS OMEGA, no.17, pp.18995-19002, 2024 (SCI-Expanded)
- VII. **An Isolated Perfused Rat Liver Model: Simultaneous LC-MS Quantification of Pitavastatin, Coproporphyrin I, and Coproporphyrin III Levels in the Rat Liver and Bile**  
İZAT N., KAPLAN O., ÇELEBİER M., ŞAHİN S.  
ACS OMEGA, no.17, pp.19250-19260, 2024 (SCI-Expanded)
- VIII. **Comparative Plant Metabolomics of Momordica charantia Seeds and Fruits**  
Eneş D., Fidan B. B., Başaran A. A., ÇELEBİER M.  
Revista Brasileira de Farmacognosia, 2024 (SCI-Expanded)
- IX. **Plasma metabolomics for diagnostic biomarkers on ectopic pregnancy**  
KAPLAN O., Ertürk Aksakal S., Fidan B. B., Engin-Üstün Y., ÇELEBİER M.  
Scandinavian Journal of Clinical and Laboratory Investigation, vol.84, no.1, pp.44-52, 2024 (SCI-Expanded)
- X. **Effects of genetic polymorphisms of CYP2J2, CYP2C9, CYP2C19, CYP4F2, CYP4F3 and CYP4A11 enzymes in preeclampsia and gestational hypertension**  
Ongun M. C., Tonyali N. V., KAPLAN O., DEĞER İ., ÇELEBİER M., BAŞCI AKDUMAN N. E., Sahin D., Yucel A., BABAOĞLU M. Ö.  
Placenta, vol.137, pp.88-95, 2023 (SCI-Expanded)
- XI. **Existence of advanced glycation / lipoxidation end-products in parenteral nutrition solutions and effects of infusion conditions on their levels**  
Kahramansoy N., ÇELEBİER M.  
Brazilian Journal of Pharmaceutical Sciences, vol.59, 2023 (SCI-Expanded)

- XII. **Pharmacometabolomic assessment of vitamin E loaded human serum albumin nanoparticles on HepG2 cancer cell lines**  
Şenol Y., KAPLAN O., VARAN C., Demirtürk N., Öncül S., Fidan B. B., ERCAN A., BİLENSOY E., ÇELEBİER M.  
Journal of Drug Delivery Science and Technology, vol.79, 2023 (SCI-Expanded)
- XIII. **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**  
KARA Ö. S., ERCAN A., ÇELEBİER M., KAPLAN O., ÖNCÜL S., KORKUSUZ F.  
Science and Sports, vol.37, no.7, pp.610-617, 2022 (SCI-Expanded)
- XIV. **Review on Characteristics and Analytical Methods of Rivaroxaban**  
REÇBER T., HAZNEDAROĞLU İ. C., ÇELEBİER M.  
CRITICAL REVIEWS IN ANALYTICAL CHEMISTRY, vol.52, no.4, pp.865-877, 2022 (SCI-Expanded)
- XV. **Differential role of prolyl hydroxylases on mitochondrial function of HL-1 cells in a model of iron deficiency**  
KANDİLCİ H. B., ŞİMŞEK G., Ziraplı T., ÇELEBİER M.  
MITOCHONDRION, vol.63, pp.51-56, 2022 (SCI-Expanded)
- XVI. **Ultrafiltration-based sample preparation and HPLC-UV determination of diclofenac in human plasma samples**  
NENNİ M., DOĞAN A., ÇELEBİER M., Soyseven M., Kaynak M. S., Aboul-Enein H. Y., Arlı G.  
TURKISH JOURNAL OF CHEMISTRY, 2022 (SCI-Expanded)
- XVII. **A combination of Q-TOF LC/MS and LC-MS/MS based metabolomics in pediatric-onset multiple sclerosis demonstrates potential biomarkers for unclassified patients**  
Solmaz İ., KAPLAN O., ÇELEBİER M., LAY İ., Anlar B.  
Turkish Journal of Medical Sciences, vol.52, no.4, pp.1299-1310, 2022 (SCI-Expanded)
- XVIII. **Q-tof lc/ms-based untargeted metabolomics approach to evaluate the effect of folate-conjugated cyclodextrins on triple-negative breast cancer cells**  
Varol I., KAPLAN O., Erdoğan N., Öncül S., Nielsen T. T., ERCAN A., BİLENSOY E., ÇELEBİER M.  
Current Pharmaceutical Analysis, vol.17, no.10, pp.1272-1281, 2021 (SCI-Expanded)
- XIX. **Antitumor activity of Ankaferd Blood Stopper (R) on MCF-7 breast cancer: A proteomic approach to ascertain the mechanism of the action**  
Zeki O. C., NENNİ M., ÇELEBİER M., ÖNCÜL S., ERCAN A., SÜSLÜ İ., Haznedarog I. C.  
JOURNAL OF HERBAL MEDICINE, vol.28, 2021 (SCI-Expanded)
- XX. **Fabric phase sorptive extraction combined with high-performance liquid chromatography-photodiode array detection for the determination of tazarotene in gel dosage forms**  
Dolaksız Y. E., ÇELEBİER M., Kabir A., Furton K. G.  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.200, 2021 (SCI-Expanded)
- XXI. **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, vol.598, 2021 (SCI-Expanded)
- XXII. **Ultrafiltration-based Sample Preparation for Pharmaceutical Analysis**  
ÇELEBİER M.  
CURRENT PHARMACEUTICAL ANALYSIS, vol.17, no.8, pp.951-959, 2021 (SCI-Expanded)
- XXIII. **Electrochemical Behavior and Square-Wave Stripping Voltammetric Determination of Roflumilast in Pharmaceutical Dosage Forms**  
ÇELEBİER M., DOĞAN A., SÜSLÜ İ., ALTINÖZ S.  
COMBINATORIAL CHEMISTRY & HIGH THROUGHPUT SCREENING, vol.24, no.3, pp.400-408, 2021 (SCI-Expanded)
- XXIV. **UPLC-Q-TOF/MS based Untargeted Metabolite and Lipid Analysis on Premature Ovarian Insufficiency Plasma Samples**  
Tasci Y., Findik R. B., Pekcan M. K., KAPLAN O., ÇELEBİER M.  
CURRENT PHARMACEUTICAL ANALYSIS, vol.17, no.4, pp.474-483, 2021 (SCI-Expanded)

- XXV. **Recent Developments in CE-MS Based Metabolomics**  
ÇELEBİER M., NENNİ M.  
CURRENT ANALYTICAL CHEMISTRY, vol.17, no.9, pp.1229-1242, 2021 (SCI-Expanded)
- XXVI. **Recent Approaches to Integrate Multiomics Data on System Biology**  
ÇELEBİER M., ERCAN A.  
CURRENT ANALYTICAL CHEMISTRY, vol.17, no.9, pp.1243-1251, 2021 (SCI-Expanded)
- XXVII. **Bioanalytical Method Validation of an RP-HPLC Method for Determination of Rifampicin in Liver Perfusion Studies**  
İZAT N., KAPLAN O., ÇELEBİER M., ŞAHİN S.  
CURRENT PHARMACEUTICAL ANALYSIS, vol.17, no.7, pp.919-925, 2021 (SCI-Expanded)
- XXVIII. **Could Targeting HMGB1 be Useful for the Clinical Management of COVID-19 Infection?**  
ÇELEBİER M., HAZNEDAROĞLU İ. C.  
COMBINATORIAL CHEMISTRY & HIGH THROUGHPUT SCREENING, vol.24, no.4, pp.587-590, 2021 (SCI-Expanded)
- XXIX. **Ultrafiltration-based Extraction and LC-MS/MS Quantification of Phenylalanine in Human Blood Sample for Metabolite Target Analysis**  
ÇELEBİER M., REÇBER T., NEMUTLU E., KIR S.  
CURRENT PHARMACEUTICAL ANALYSIS, vol.17, no.1, pp.81-86, 2021 (SCI-Expanded)
- XXX. **Predictive biomarkers of IgA vasculitis with nephritis by metabolomic analysis**  
DEMİR S., KAPLAN O., ÇELEBİER M., SAĞ E., BİLGİNER Y., LAY İ., ÖZEN S.  
Seminars in Arthritis and Rheumatism, vol.50, no.6, pp.1238-1244, 2020 (SCI-Expanded)
- XXXI. **Polycystic ovary syndrome in adolescents: Q-TOF LC/MS analysis of human plasma metabolome**  
ÇELEBİER M., KAPLAN O., Özel Ş., Engin-Üstün Y.  
Journal of Pharmaceutical and Biomedical Analysis, vol.191, 2020 (SCI-Expanded)
- XXXII. **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, vol.1147, 2020 (SCI-Expanded)
- XXXIII. **Past, present and future of metabolomic studies Metabolomik çalışmaların dünü, bugünü ve yarını**  
KAPLAN O., ÇELEBİER M.  
Türkiye Klinikleri Journal of Medical Sciences, vol.40, no.3, pp.366-374, 2020 (SCI-Expanded)
- XXXIV. **Antiinfective and wound-healing pleiotropic actions of Ankaferd hemostat**  
HAZNEDAROĞLU İ. C., ÇELEBİER M.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.50, no.5, pp.1434-1435, 2020 (SCI-Expanded)
- XXXV. **Discovery of Michael acceptor containing 1,4-dihydropyridines as first covalent inhibitors of L-/T-type calcium channels**  
Cevher H. A., Schaller D., Gandini M. A., KAPLAN O., Gambeta E., Zhang F. X., ÇELEBİER M., Tahir M. N., Zamponi G. W., Wolber G., et al.  
BIOORGANIC CHEMISTRY, vol.91, 2019 (SCI-Expanded)
- XXXVI. **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, vol.2019, 2019 (SCI-Expanded)
- XXXVII. **Global omics strategies to investigate the effect of cyclodextrin nanoparticles on MCF-7 breast cancer cells**  
ERCAN A., ÇELEBİER M., VARAN G., ÖNCÜL S., Nenni M., KAPLAN O., BİLENSOY E.  
European Journal of Pharmaceutical Sciences, vol.123, pp.377-386, 2018 (SCI-Expanded)
- XXXVIII. **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.  
CURRENT PHARMACEUTICAL ANALYSIS, vol.13, no.2, pp.145-153, 2017 (SCI-Expanded)

- XXXIX. **Application of HPLC to Investigate the Physicochemical Properties and Intestinal Permeability of Ketoprofen**  
KAYNAK M. S., ÇELEBİER M., Akgeyik E., ŞAHİN S., ALTINÖZ S.  
CURRENT PHARMACEUTICAL ANALYSIS, vol.13, no.1, pp.72-79, 2017 (SCI-Expanded)
- XL. **Ultrafiltration-Based Extraction and HPLC Analysis of Naproxen Sodium in Human Plasma Samples: an Innovative Approach to Pharmaceutical Analysis**  
ÇELEBİER M., NENNİ M., ALTINÖZ S.  
PHARMACEUTICAL CHEMISTRY JOURNAL, vol.50, no.4, pp.275-279, 2016 (SCI-Expanded)
- XLI. **Evaluation of Pharmaceutical Quality of Conventional Dosage Forms Containing Paracetamol and Caffeine Available in the Turkish Drug Market**  
Akgeyik E., KAYNAK M. S., ÇELEBİER M., ALTINÖZ S., ŞAHİN S.  
DISSOLUTION TECHNOLOGIES, vol.23, no.2, pp.36-41, 2016 (SCI-Expanded)
- XLII. **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, vol.54, no.2, pp.216-220, 2016 (SCI-Expanded)
- XLIII. **A Rapid and Simple High-Performance Liquid Chromatographic Method for the Analysis of Ceftriaxone in Perilymph Fluid**  
BOYNUEĞRİ S., SÜSLÜ İ., ÇELEBİER M., ALTINÖZ S.  
LATIN AMERICAN JOURNAL OF PHARMACY, vol.35, no.5, pp.1001-1005, 2016 (SCI-Expanded)
- XLIV. **Indirect square-wave voltammetric determination of cefepime in the presence of formaldehyde**  
SÜSLÜ İ., ÇELEBİER M., Kablan S., Altinöz S.  
Latin American Journal of Pharmacy, vol.35, no.10, pp.2246-2253, 2016 (SCI-Expanded)
- XLV. **Synthesis, in vitro antioxidant activity, and physicochemical properties of novel 4,5-dihydro-1H-1,2,4-triazol-5-one derivatives**  
Yukse H., Koca E., GURSOY-KOL O., AKYILDIRIM O., ÇELEBİER M.  
JOURNAL OF MOLECULAR LIQUIDS, vol.206, pp.359-366, 2015 (SCI-Expanded)
- XLVI. **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.  
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.20, no.3, pp.380-384, 2015 (SCI-Expanded)
- XLVII. **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, vol.34, no.2, pp.267-275, 2015 (SCI-Expanded)
- XLVIII. **UV Spectrophotometric Method for Determination of the Dissolution Profile of Rivaroxaban**  
ÇELEBİER M., KAYNAK M. S., ALTINÖZ S., ŞAHİN S.  
DISSOLUTION TECHNOLOGIES, vol.21, no.4, pp.56-59, 2014 (SCI-Expanded)
- XLIX. **Electrochemical behaviour investigation and square-wave voltammetric determination of rivaroxaban in pharmaceutical dosage forms**  
SÜSLÜ İ., ÇELEBİER M., Altinoz S.  
ANALYTICAL METHODS, vol.6, no.23, pp.9397-9403, 2014 (SCI-Expanded)
- L. **Determination of pK(a) Values of Some Benzoxazoline Derivatives and the Structure-Activity Relationship**  
Celik H., Buyukaga M., ÇELEBİER M., TÜRKÖZ ACAR E., Baymak M. S., GÖKHAN KELEKÇİ N., PALASKA E., Erdogan H.  
JOURNAL OF CHEMICAL AND ENGINEERING DATA, vol.58, no.6, pp.1589-1596, 2013 (SCI-Expanded)
- LI. **Synthesis, In Vitro Antimicrobial and Antioxidant Activities of Some New 4,5-Dihydro-1H-1,2,4-triazol-5-one Derivatives**  
Yukse H., Akyildirim O., YOLA M. L., GURSOY-KOL O., ÇELEBİER M., KART D.  
ARCHIV DER PHARMAZIE, vol.346, no.6, pp.470-480, 2013 (SCI-Expanded)

- LII. **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, vol.49, no.2, pp.359-366, 2013 (SCI-Expanded)
- LIII. **Validation of Spectrophotometric Method to Quantify Veranicline Content in Tablets**  
 KOÇAK E., ÇELEBİER M., ALTINÖZ S.  
 ASIAN JOURNAL OF CHEMISTRY, vol.25, no.4, pp.1845-1848, 2013 (SCI-Expanded)
- LIV. **Validated voltammetric determination of olmesartan medoxomil: Method development and electrochemical behaviors investigation**  
 ÇELEBİER M., SÜSLÜ İ., Altinoz S.  
 ANALYTICAL METHODS, vol.5, no.5, pp.1301-1306, 2013 (SCI-Expanded)
- LV. **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.  
 REVISTA DE CHIMIE, vol.64, no.1, pp.27-30, 2013 (SCI-Expanded)
- LVI. **Simultaneous Determination of Olmesartan Medoxomil and Amlodipine Besylate in Pharmaceutical Formulations by Capillary Zone Electrophoresis**  
 ÇELEBİER M., SÜSLÜ İ., Altinoz S.  
 LATIN AMERICAN JOURNAL OF PHARMACY, vol.30, no.4, pp.753-758, 2011 (SCI-Expanded)
- LVII. **HPLC method development for the simultaneous analysis of amlodipine and valsartan in combined dosage forms and in vitro dissolution studies**  
 ÇELEBİER M., KAYNAK M. O., ALTINÖZ S., ŞAHİN S.  
 BRAZILIAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.46, no.4, pp.761-768, 2010 (SCI-Expanded)
- LVIII. **Synthesis, Characterization, and In Vitro Antimicrobial Activities of Organotin(IV) Complexes of Schiff Bases with ONO-type Donor Atoms**  
 Yenisehirli G., ALTUNTAŞ ÖZTAŞ N., ŞAHİN E., ÇELEBİER M., Ancin N., Oztas S. G.  
 HETEROATOM CHEMISTRY, vol.21, no.6, pp.373-385, 2010 (SCI-Expanded)
- LIX. **VALIDATION OF AN HPLC METHOD FOR THE DETERMINATION OF NAPROXEN SODIUM IN POLY(LACTIDE-CO-GLYCOLIDE) CORNEAL SCAFFOLDS**  
 KAYIRAN S., Pehlivan S. B., ÇELEBİER M., Unlu N.  
 EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.38, no.1, pp.109-111, 2009 (SCI-Expanded)
- LX. **Application of Capillary Electrophoresis to Investigate the Degradation Kinetic of Olmesartan Medoxomil**  
 ÇELEBİER M., ALTINÖZ S.  
 LATIN AMERICAN JOURNAL OF PHARMACY, vol.28, no.1, pp.108-111, 2009 (SCI-Expanded)
- LXI. **Development of a CZE method for the determination of Olmesartan medoxomil in tablets**  
 ÇELEBİER M., ALTINÖZ S.  
 CHROMATOGRAPHIA, vol.66, pp.929-933, 2007 (SCI-Expanded)
- LXII. **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)**  
 Celebier M., Sahin E., Ancin N., Oeztas N. A., Oeztas S. G.  
 APPLIED ORGANOMETALLIC CHEMISTRY, vol.21, no.10, pp.913-918, 2007 (SCI-Expanded)
- LXIII. **Determination of rosuvastatin in pharmaceutical formulations by capillary zone electrophoresis**  
 Sueslue I., Celebier M., Altinoez S.  
 CHROMATOGRAPHIA, vol.66, 2007 (SCI-Expanded)

### Articles Published in Other Journals

- I. **RP-HPLC method combined with ultrafiltration for simultaneous analysis of Melphalan and Topotecan in human plasma samples**

KAPLAN O., Yılmaz N., UÇAR B., ALGEDİK TOKYÜREK M. Ö., KOÇ İ., KIRATLI H., ÇELEBİER M.

JOURNAL OF CHEMICAL METROLOGY, 2024 (ESCI)

- II. **Development of an RP-HPLC method to evaluate the basic characteristics of talazoparib-loaded PLGA nanoparticles**  
Topcu B. T., KAPLAN O., Pehlivan S. B., ÇELEBİER M., ÖNER L.  
JOURNAL OF CHEMICAL METROLOGY, 2024 (ESCI)
- III. **Development and UV-VIS Spectrophotometric analysis of an ease-of-use pediatric oral solution of dexamethasone for personalized therapies**  
Enes D., Fidan B. B., KAPLAN O., DOĞAN A., Altinoz S., ÇELEBİER M., KAYNAK M. S.  
JOURNAL OF RESEARCH IN PHARMACY, no.5, pp.1791-1799, 2024 (ESCI)
- IV. **A Plant Metabolomic Approach to Identify the Difference of the Seeds and Flowers Extracts of *Carthamus tinctorius* L.**  
KAPLAN O., SALTAN N., Köse A., KÖSE Y. B., ÇELEBİER M.  
Mass Spectrometry Letters, vol.14, no.2, pp.42-47, 2023 (ESCI)
- V. **Determination of quality of tablets containing irbesartan and hydrochlorothiazide via newly developed and validated simultaneous HPLC method**  
Kaval B., ÖZCAN S., ÇELEBİER M., KAYNAK M. S.  
Acta Pharmaceutica Scientia, vol.61, no.4, pp.397-413, 2023 (Scopus)
- VI. **Ultrafiltration-Based extraction of Ibuprofen from human plasma samples and HPLC analysis: developing an innovative bioanalytical analysis method**  
ŞENOL Y., DOĞAN A., ÇELEBİER M.  
CUMHURİYET SCIENCE JOURNAL, vol.42, no.2, pp.276-284, 2021 (Peer-Reviewed Journal)
- VII. **Comparison of Different Sample Preparation Techniques for Untargeted Metabolomics Utilizing Q-TOF LC/MS and MetaboAnalyst 4.0**  
Kaplan O., Koçak E., Çelebier M.  
Current Metabolomics and Systems Biology, vol.8, pp.53-60, 2021 (Peer-Reviewed Journal)
- VIII. **Exposure of Hepatocellular Carcinoma Cells to Ankaferd Blood Stopper (R) Alters Cell Death Signaling Networks Confirmed by Oncoproteomic and Genomic Profiling Studies**  
NENNİ M., ÖNCÜL S., ERCAN A., ÇELEBİER M., SÜSLÜ İ., HAZNEDAROĞLU İ. C.  
CURRENT TRADITIONAL MEDICINE, vol.7, no.2, pp.223-235, 2021 (ESCI)
- IX. **Assessment of pharmaceutical quality and release kinetics of metoprolol tartrate extended release tablets available in Turkish drug market**  
GENCER A., AKGEYİK E., KAYNAK M. S., ÇELEBİER M., BERKMAN M. S., ŞAHİN S.  
Anadolu Üniversitesi Bilim ve Teknoloji Dergisi :C-Yaşam Bilimleri ve Biyoteknoloji, vol.9, no.2, pp.179-189, 2020 (Peer-Reviewed Journal)
- X. **Evaluation of Recent Data Processing Strategies on Q-TOF LC/MS Based Untargeted Metabolomics**  
KAPLAN O., ÇELEBİER M.  
MASS SPECTROMETRY LETTERS, vol.11, no.1, pp.1-5, 2020 (ESCI)
- XI. **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, vol.24, no.1, pp.38-43, 2020 (ESCI)
- XII. **Proteomik Çalışmalara Genel Bakış**  
NENNİ M., ÇELEBİER M., SÜSLÜ İ.  
Hacettepe University Journal of the Faculty of Pharmacy, vol.41, no.1, pp.48-58, 2020 (Scopus)
- XIII. **Comparison of cell lysis techniques via q-tof lc/ms**  
KAPLAN O., ÖNCÜL S., ERCAN A., ÇELEBİER M.  
Mass Spectrometry Letters, vol.11, no.2, pp.36-40, 2020 (ESCI)
- XIV. **Determination of the physicochemical properties of piroxicam**  
ÇELEBİER M., NENNİ M., KAPLAN O., AKGEYİK E., KAYNAK M. S., ŞAHİN S.  
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.0, no.0, 2019 (Scopus)

- XV. **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, vol.22, no.4, pp.528-535, 2018 (ESCI)
- XVI. **Effect of internal standard on HPLC analysis of tablet dosage forms An experimental study with statistical comparison**  
ÇELEBİER M., NENİ M., DOĞAN A., SÜSLÜ İ., ALTINÖZ S.  
Der Pharma Chemica, vol.7, no.6, pp.168-174, 2015 (Scopus)
- XVII. **Effect of internal standard on HPLC analysis of tablet dosage forms An experimental study with statistical comparison**  
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Der Pharma Chemica, vol.7, no.6, pp.168-174, 2015 (Scopus)
- XVIII. **Application of RP HPLC for determination of the dissociation constants of rosuvastatin calcium**  
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- XIX. **Development of capillary zone electrophoresis method for the indirect determination of olmesartan medoxomil and determination of hydrochlorothiazide in synthetic tablets**  
ÇELEBİER M., ALTINÖZ S.  
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## Books & Book Chapters

- I. **HMGB1-targeting herbal medicinal plant extracts for the phytotherapy of cancer and potential management of COVID-19**  
REÇBER T., HAZNEDAROĞLU İ. C., ÇELEBİER M.  
in: HMGB1: Functions, Inhibitors, and Clinical Significance, TAŞKIN EYLEM, GÜVEN CELAL, KAYA SALİH TUNÇ, Editor, Nova Science Publishers, pp.3-42, 2022
- II. **An Overview of Food Metabolomics: CE-MS Based Targeted and Non-Targeted Analysis**  
REÇBER T., ÇELEBİER M.  
in: Capillary Electrophoresis in Food Analysis, Castro-Puyana Maria, Herrero Miguel, Luisa Marina Maria, Editor, Bentham Science, pp.487-518, 2022
- III. **HMGB1-targeting herbal medicinal plant extracts for the phytotherapy of cancer and potential management of COVID-19**  
REÇBER T., HAZNEDAROĞLU İ. C., ÇELEBİER M.  
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- IV. **An Overview of Food Metabolomics: CE-MS Based Targeted and Non-targeted Analysis**  
REÇBER T., ÇELEBİER M.  
in: Current and Future Developments in Food Science, Castro-Puyana María, Herrero Miguel, Marina María Luisa, Editor, Bentham Science Publishers Pte. Ltd., pp.487-519, 2022
- V. **A Foodomics Approach: CE-MS for Comparative Metabolomics of Colon Cancer Cells Treated with Dietary Polyphenols.**  
ÇELEBİER M., IBANEZ C., SIMO C., CIFUENTES A.  
in: Electrophoretic Separation of Proteins, Biji T. Kurien, R. Hal Scofield, Editor, Methods in molecular biology (Clifton, N.J.), New York, pp.303-313, 2019
- VI. **Kromatografik Ayırma Teknikleri**  
USLU B., SAĞIRLI A. O., SÜSLÜ İ., GÜNDEN GÖĞER N., SAĞLIK ASLAN S., ÖZKAN S. A., DOĞAN TOPAL B., KUL D., ARIKSOYSAL D., NEMUTLU E., et al.  
in: Türk Farmakopesi 2017, Yalçın Özkan, Editor, Sağlık Bakanlığı Türkiye İlaç ve Tıbbi Cihaz Kurumu, Ankara, pp.89-96, 2018



- VII. **A Foodomics Approach: CE-MS for Comparative Metabolomics of Colon Cancer Cells Treated with Dietary Polyphenols**  
ÇELEBİER M., IBANEZ C., SIMO C., CIFUENTES A.  
in: Protein Electrophoresis Methods and Protocols, Kurien, Biji T., Hal Scofield, R., Editor, Humana Press, New Jersey, pp.185-195, 2012

### **Refereed Congress / Symposium Publications in Proceedings**

- 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, Turkey, 17 - 18 September 2020
- II. **How to Use Metabolomics on Preventive Medicine**  
ÇELEBİER M.  
1st International Conference on Preventive Medicine, Antalya, Turkey, 12 - 14 November 2019
- III. **Bioanalytical Validation of an HPLC Method for the Analysis of Rifampicin Accumulation in Rat Liver**  
İzat N., Kir F., Kaplan O., Çelebier M., Şahin S.  
8. BBBB International Conference on Pharmaceutical Sciences (8.BBBB 2019), İzmir, Turkey, 14 - 16 October 2019, pp.332-333
- IV. **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 July 2019
- V. **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, Turkey, 1 - 05 July 2019
- VI. **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, Turkey, 1 - 03 July 2019
- VII. **How to Integrate Proteomics and Metabolomics Data for Metabolic Pathway Analysis**  
ÇELEBİER M.  
International Multidisciplinary Symposium on Drug Research Development - DRD 2019, Malatya, Turkey, 1 - 03 July 2019
- VIII. **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, Turkey, 27 - 30 March 2019
- IX. **A Metabolomic Study to Investigate the Effect of Folate Conjugated Nanoparticles on Triple Negative Breast Cancer Cells**  
ERCAN A., ÇELEBİER M., varol i., KAPLAN O., Varan G., ÖNCÜL S., KOÇAK E., BİLENSOY E.  
EUFEPS Annual Meeting 2019 PERSONALIZED MEDICINES,TARGETED THERAPIES,PRECISION DRUG DELIVERY, 6 - 08 March 2019
- X. **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, Turkey, 26 - 29 June 2018
- XI. **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 June 2018

- XII. **Investigation of The Effect of Commercial Herbal Mixture on HepG2 Liver Cancer Cell Line by Proteomic Approach**  
NENNİ M., ÖNCÜL S., ERCAN A., SÜSLÜ İ., ÇELEBİER M., HAZNEDAROĞLU İ. C.  
12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018
- XIII. **Identification of Organochlorine Pesticides (OCPs), in Spiked Commercial Cow Milk Samples by GC-MS**  
NENNİ M., ZEKİ Ö. C., SÜSLÜ İ., ÇELEBİER M., ALTINÖZ S.  
12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018
- XIV. **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 May 2018
- XV. **Ultrafiltration-Based Extraction and LC-MS/MS Analysis of Phenylalanine in Human Plasma Samples**  
REÇBER T., ÇELEBİER M., NEMUTLU E., ALTINÖZ S., KIR S.  
International Gazi Pharma Symposium Series (GPSS), 11 - 13 October 2017
- XVI. **Investigation of the Effect of Cyclodextrin Nanoparticles on MCF 7 Breast Cancer Cell Line by Proteomics Approaches**  
BİLENSOY E., ÇELEBİER M., ERCAN A., NENNİ M., IŞIK G., ÖNCÜL S., ALTINÖZ S.  
7th BBBB International Conference on Pharmaceutical Sciences, 5 - 07 October 2017
- XVII. **MCF-7 Breast Cell Proteome Analysis Determination With New UPLC/MS Method**  
KOÇAK E., ÖNCÜL S., NENNİ M., Kaplan o., ÇELEBİER M., SÜSLÜ İ., ERCAN A., ALTINÖZ S.  
Symposium on Drug Research Development, 5 - 07 October 2017
- XVIII. **A New Hplc Method for Determination of Naproxen in Human Plasma Samples**  
NENNİ M., ÇELEBİER M., SÜSLÜ İ., ALTINÖZ S.  
Symposium on Drug Research Development, 5 - 07 October 2017
- XIX. **Identification of Polychlorinated Biphenyls (PCBs) in Spiked Human Plasma Samples by GC-MS**  
NENNİ M., zeki ö. c., SÜSLÜ İ., ÇELEBİER M., ALTINÖZ S.  
Symposium on Drug Research Development, 5 - 07 October 2017
- XX. **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, Turkey, 17 - 19 May 2017
- XXI. **Ultrafiltration based extraction and high performance liquid chromatographic analysis of ceftriaxone in human plasma and perilymph fluid samples**  
NENNİ M., Kaplan O., SÜSLÜ İ., ÇELEBİER M., Boynueğri S., ALTINÖZ S.  
10th Aegean Analytical Chemistry Days (AACD 2016), 29 September - 02 October 2016
- XXII. **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 September - 02 October 2016
- XXIII. **Indirect square wave voltammetric determination of cefepime in the presence of formaldehyde**  
SÜSLÜ İ., ÇELEBİER M., SEVİLAY K. E., ALTINÖZ S.  
International Multidisciplinary Symposium on Drug Research & Development (DRD 2015), Turkey, 15 - 17 October 2015
- XXIV. **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.  
International Multidisciplinary Symposium on Drug Research Development, Eskişehir, Turkey, 15 - 17 October 2015

- XXV. **Square wave stripping voltammetric determination of roflumilast in pharmaceutical formulations**  
SÜSLÜ İ., ÇELEBİER M., ALTINÖZ S.  
International Multidisciplinary Symposium on Drug Research & Development (DRD 2015), Turkey, 15 - 17 October 2015
- XXVI. **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 September 2015
- XXVII. **Effect of internal standard on HPLC analysis of tablet dosage forms An experimental study with statistical comparison**  
ÇELEBİER M., NENİ M., DOĞAN A., SÜSLÜ İ., ALTINÖZ S.  
11th International Symposium on Pharmaceutical Sciences (ISOPS), 9 - 12 June 2015
- XXVIII. **A new alternative to solid phase extraction of ceftriaxone in human plasma samples ultrafiltration based extraction and HPLC analysis**  
ÇELEBİER M., SÜSLÜ İ., SÜLEYMAN B., ALTINÖZ S.  
11th International Symposium on Pharmaceutical Sciences (ISOPS), 9 - 12 June 2015
- XXIX. **Effect of International Standard on HPLC Analysis of Tablet Dosage Forms An Experimental Study with Statistical Comparison**  
ÇELEBİER M., NENİ M., DOĞAN A., SÜSLÜ İ., ALTINÖZ S.  
ISOPS, 11th International Symposium On Pharmaceutical Sciences, 9 - 12 June 2015
- XXX. **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 September 2014
- XXXI. **Some Applications of XCMS on Metabolite Profiling**  
ALTINÖZ S., ÇELEBİER M.  
1st International Conference on New Trends in Chemometrics and Applications, 8 - 11 October 2011
- XXXII. **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, Turkey, 01 November 2008, pp.333-335

## Supported Projects

ÇELEBİER M., TUBITAK Project, Sistem Biyolojisi Yaklaşımıyla Siklodekstrin Nanopartiküllerin MCF7 Hücreleri Üzerine Etkisinin İncelenmesi, 2015 - Continues

BABAOĞLU M. Ö., VANLI TONYALI N., ŞAHİN UYGUR D., Ongun M. C., BAŞCI AKDUMAN N. E., ÇELEBİER M., YÜCEL A., KAPLAN O., Project Supported by Higher Education Institutions, 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., Project Supported by Higher Education Institutions, Kozmetiklerde paraben türevleri ve fenoksietanol için analitik yöntem geliştirilmesi ve validasyonu, 2019 - 2021

ÖZEN S., ÇELEBİER M., DEMİR S., Project Supported by Higher Education Institutions, Romatizmal hastalıklarda mikrobiyotanın ve proteomik ve metabolomik analiz sonuçlarının hastalık patogenezi ve seyrindeki etkilerinin incelenmesi: Kısım 1 Henoch Schönlein Purpurası/ İgA vaskülitinde metabolomik inceleme, 2018 - 2019

ÇELEBİER M., Project Supported by Higher Education Institutions, Yeni 4,5-dihidro-1H-1,2,4-triazol-5-on türevlerinin sentezi, in vivo antioksidan aktivitesi ve fizyokimyasal özellikleri, 2016 - 2018

ÇELEBİER M., REÇBER T., DOĞAN A., Project Supported by Higher Education Institutions, Biyolojik Materyallerde ve Bitkisel Kaynaklı Ürünlerde GC-MS ile Metabolomik Çalışmalar, 2014 - 2018

ÇELEBİER M., Project Supported by Higher Education Institutions, Sıvı Kromatografisi Kütle Spektrometrisi (LC-MS/MS) ile MCF7 Kanser Hücre Hatlarında Metabolomik Çalışmalar, 2016 - 2017  
GÜRSOY R. N., GÜMÜŞEL B., TÜYLÜ KÜÇÜKKILINÇ Z. T., SABUNCUOĞLU S., ŞÖHRETOĞLU D., KILIÇ E., ÜNSAL TAN O., YABANOĞLU ÇİFTÇİ S., BAŞCI N. E., AKSOY E. A., et al., Project Supported by Higher Education Institutions, TS EN ISO/IEC 17025 Standardı kapsamında Hacettepe Üniversitesi Eczacılık Fakültesi İlaç ve Kozmetik Ar-Ge ve Kalite Kontrol Laboratuvarının (HÜNIKAL) Akreditasyonu Projesi, 2015 - 2016

## **Metrics**

Publication: 122

Citation (WoS): 239

Citation (Scopus): 515

H-Index (WoS): 9

H-Index (Scopus): 12

## **Non Academic Experience**

Autonomous University of Madrid

Yakın Doğu Üniversitesi Eczacılık Fakültesi

San Francisco State University