

Asst. Prof. TUBA REÇBER

Personal Information

Email: tuba.recber@hacettepe.edu.tr

Web: <https://avesis.hacettepe.edu.tr/tuba.recber>

International Researcher IDs

ScholarID: 94N70YsAAAAJ

ORCID: 0000-0001-8257-7628

ScopusID: 55808829400

Yoksis Researcher ID: 180370

Education Information

Doctorate, Hacettepe University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, Turkey 2013 - 2019

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Meme Kanserinde Hedeflenmiş Metabolitlerin LC-MS/MS Yöntemi ile Tayinleri, Hacettepe University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2019

Postgraduate, Leflunomid'in farmasötik preparatlardan analizi için kapiler elektroforez yöntemi geliştirilmesi ve validasyonu, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Analitik Kimya (YI) (Tezli), 2013

Research Areas

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

Academic Titles / Tasks

Assistant Professor, Hacettepe University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2022 - Continues

Lecturer PhD, Hacettepe University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2011 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- Development of lacrimal gland organoids from iPSC derived multizonal ocular cells**
Asal M., Koçak G., Sarı V., REÇBER T., NEMUTLU E., Utine C. A., Güven S.
Frontiers in Cell and Developmental Biology, vol.10, 2023 (SCI-Expanded)
- Separation of the enantiomers of underivatized amino acids by using serially connected dual column high-performance liquid chromatography-tandem mass spectrometry**

Oztepe T., Kale N. B., REÇBER T., BAYSAL İ., YABANOĞLU ÇİFTÇİ S., GÜMÜŞTAŞ M., KIR S., Chankvetadze B., NEMUTLU E.

JOURNAL OF CHROMATOGRAPHY A, vol.1683, 2022 (SCI-Expanded)

- III. **Inulin may prevent steatosis by suppressing cannabinoid receptor-1 and patatin-like phospholipase-3 expression in liver**
Alptekin I. M., ÇAKIROĞLU F. P., KİREMİTÇİ S., REÇBER T., NEMUTLU E.
NUTRITION, vol.103, 2022 (SCI-Expanded)
- IV. **Endocannabinoid metabolism inhibition ameliorates ovalbumin-induced allergic airway inflammation and hyperreactivity in Guinea pigs**
Abohalaka R., KARAMAN Y., REÇBER T., ÖNDER S. Ç., NEMUTLU E., BOZKURT T. E.
LIFE SCIENCES, vol.306, 2022 (SCI-Expanded)
- V. **Voltammetric sensor for COVID-19 drug Molnupiravir on modified glassy carbon electrode with electrochemically reduced graphene oxide**
ERDOĞAN KABLAN S., REÇBER T., Tezel G., TİMUR S. S., Karabulut C., Karabulut T. C., EROĞLU H., KIR S., NEMUTLU E.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.920, 2022 (SCI-Expanded)
- VI. **Optimization and normalization strategies for long term untargeted HILIC-LC-qTOF-MS based metabolomics analysis: Early diagnosis of breast cancer**
REÇBER T., NEMUTLU E., Beksac K., CENNET Ö., Kaynaroglu V., AKSOY S., KIR S.
MICROCHEMICAL JOURNAL, vol.179, 2022 (SCI-Expanded)
- VII. **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)
- VIII. **A stability indicating RP-HPLC method for determination of the COVID-19 drug molnupiravir applied using nanoformulations in permeability studies**
REÇBER T., TİMUR S. S., ERDOĞAN KABLAN S., Yalcin F., Karabulut T. C., GÜRSOY R. N., EROĞLU H., KIR S., NEMUTLU E.
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.214, 2022 (SCI-Expanded)
- IX. **Possible Effect of Chelation Treatment on Metabolomic and Lipidomic Analysis in Lead Exposure**
Çetin T., Samadi A., Reçber T., Dinçer A. K., Eser B., Yalcinkaya A., Nemutlu E., Öztaş Y., Lay İ., Sabuncuoğlu S.
JOURNAL OF OCCUPATIONAL AND ENVIRONMENTAL MEDICINE, vol.64, no.5, 2022 (SCI-Expanded)
- X. **GC-MS Based Metabolomics Analysis to Evaluate Short-Term Effect of Tumor Removal on Patients with Early-Stage Breast Cancer**
Beksac K., REÇBER T., Cetin B., ALP O., Kaynaroglu V., KIR S., NEMUTLU E.
JOURNAL OF CHROMATOGRAPHIC SCIENCE, 2022 (SCI-Expanded)
- XI. **Liquid biopsy markers for early diagnosis of brain metastasis patients with breast cancer by metabolomics**
Ozer O., NEMUTLU E., REÇBER T., Eylem C. C., AKTAŞ B. Y., KIR S., Kars A., AKSOY S.
EUROPEAN JOURNAL OF MASS SPECTROMETRY, vol.28, no.1-2, pp.56-64, 2022 (SCI-Expanded)
- XII. **State-of-the-art GC-MS approaches for probing central carbon metabolism**
Eylem C. C., REÇBER T., Waris M., KIR S., NEMUTLU E.
MICROCHEMICAL JOURNAL, vol.172, 2022 (SCI-Expanded)
- XIII. **The effects of systemic and local fatty acid amide hydrolase and monoacylglycerol lipase inhibitor treatments on the metabolomic profile of lungs**
Abohalaka R., BOZKURT T. E., REÇBER T., ÖNDER S. Ç., NEMUTLU E., KIR S., Sahin-Erdemli I.
BIOMEDICAL CHROMATOGRAPHY, vol.36, no.1, 2022 (SCI-Expanded)
- XIV. **Sub-Inhibitory Concentrations of Ciprofloxacin Alone and Combinations with Plant-Derived Compounds against P. aeruginosa Biofilms and Their Effects on the Metabolomic Profile of P. aeruginosa Biofilms**
KART D., REÇBER T., NEMUTLU E., SAĞIROĞLU M.
ANTIBIOTICS-BASEL, vol.10, no.4, 2021 (SCI-Expanded)

- XV. **Determination and validation of aprepitant in rat plasma using LC-MS/MS.**
Erdogar N., REÇBER T., B Iskit A. B., BİLENSOY E., KIR S., NEMUTLU E.
Bioanalysis, vol.13, no.5, pp.363-372, 2021 (SCI-Expanded)
- XVI. **Simultaneous Determination of Cefixime, Cefdinir and Clavulanic Acid by High Performance Liquid Chromatography**
REÇBER T., ÖZKAN E., NEMUTLU E., KIR S.
PHARMACEUTICAL CHEMISTRY JOURNAL, vol.54, no.11, pp.1186-1191, 2021 (SCI-Expanded)
- XVII. **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)
- XVIII. **Optimization and validation of a HILIC-LC-ESI-MS/MS method for the simultaneous analysis of targeted metabolites: Cross validation of untargeted metabolomic studies for early diagnosis of breast cancer**
REÇBER T., NEMUTLU E., Beksac K., AKSOY S., KIR S.
MICROCHEMICAL JOURNAL, vol.159, 2020 (SCI-Expanded)
- XIX. **Integration of GC-MS and LC-MS for untargeted metabolomics profiling**
Zeki O. C., Eylem C. C., REÇBER T., KIR S., NEMUTLU E.
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.190, 2020 (SCI-Expanded)
- XX. **Metabolic infrastructure of pregnant women with methylenetetrahydrofolate reductase polymorphisms: A metabolomic analysis**
REÇBER T., ÖRGÜL G., AYDIN E., TANAÇAN A., NEMUTLU E., KIR S., BEKSAÇ M. S.
BIOMEDICAL CHROMATOGRAPHY, vol.34, no.8, 2020 (SCI-Expanded)
- XXI. **GC-MS Based Metabolic Profiling of Parkinson's Disease with Glutathione S-transferase M1 and T1 Polymorphism in Tunisian Patients**
Rebai A., REÇBER T., NEMUTLU E., Chbili C., KURBANOĞLU S., KIR S., Amor S. B., ÖZKAN S. A., Saguem S.
COMBINATORIAL CHEMISTRY & HIGH THROUGHPUT SCREENING, vol.23, no.10, pp.1041-1048, 2020 (SCI-Expanded)
- XXII. **Metabolic Infrastructure of Pregnant Women With Trisomy 21 Fetuses; Metabolomic Analysis**
NEMUTLU E., ÖRGÜL G., REÇBER T., AYDIN E., ÖZKAN E., TURÇAL M., ALİKAŞIYOĞLU M., KIR S., BEKSAÇ M. S.
ZEITSCHRIFT FÜR GEBURTSHILFE UND NEONATOLOGIE, vol.223, no.5, pp.297-303, 2019 (SCI-Expanded)
- XXIII. **An LC-ESI-MS/MS method for the simultaneous determination of pronociferine and roemerine in some Papaver species**
Bayazeid O., Eylem C. C., REÇBER T., YALÇIN F. N., KIR S., NEMUTLU E.
JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES, vol.1096, pp.223-227, 2018 (SCI-Expanded)
- XXIV. **Determination of Urinary Metabolic Profiles of Children with Central and Peripheral Precocious Puberty**
BALCI A., REÇBER T., NEMUTLU E., Bulus D., KIR S., Gumusel B. K., Erkekoglu P.
HORMONE RESEARCH IN PAEDIATRICS, vol.90, pp.520, 2018 (SCI-Expanded)
- XXV. **A Simple Extraction Procedure for HPLC Analysis of Fluoxetine in Rat Plasma Samples**
REÇBER T., Ozkan E., Eren-Kocak E., YILMAZ M., NEMUTLU E., KIR S.
CURRENT PHARMACEUTICAL ANALYSIS, vol.13, no.1, pp.80-84, 2017 (SCI-Expanded)
- 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.
JOURNAL OF CHROMATOGRAPHIC SCIENCE, vol.54, no.2, pp.216-220, 2016 (SCI-Expanded)
- XXVII. **Determination of Leflunomide in Tablets by Micellar Electrokinetic Capillary Chromatography**
REÇBER T., KIR S.
LATIN AMERICAN JOURNAL OF PHARMACY, vol.34, no.5, pp.934-940, 2015 (SCI-Expanded)
- XXVIII. **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)

Articles Published in Other Journals

- I. **Development and validation of a sensitive assay for the quantification of arachidonoylcyclopropylamide (ACPA) in cell culture by LC-MS/MS**
Boyacıoğlu Ö., REÇBER T., KIR S., KORKUSUZ P., NEMUTLU E.
Journal of Analytical Science and Technology, vol.14, no.1, 2023 (Scopus)
- II. **Analysis of 3-hydroxyisovaleric acid and 3-hydroxybutyric acid in plasma samples by LC-MS/MS**
REÇBER T., ÖZKAN E., NEMUTLU E., BEKSAÇ M. S., KIR S.
JOURNAL OF RESEARCH IN PHARMACY, vol.26, no.1, pp.136-144, 2022 (ESCI)
- III. **Inflammation-Induced Adaptive Transitions in the Metabolomic Profile of Mouse Lung and Plasma**
Abohalaka R., Reçber T., Nemutlu E., Bozkurt T. E., Kır S., Şahin-Erdemli İ.
FABAD Journal of Pharmaceutical Sciences, vol.44, no.1, pp.27-34, 2019 (Scopus)

Books & Book Chapters

- I. **Chapter 20 - Analytical perspective on biomarkers research: from untargeted to targeted metabolomics**
NEMUTLU E., Eylem C. C., REÇBER T., GÖK TOPAK E. D., DOĞAN A., KIR S.
in: The Detection of Biomarkers, Sibel A. Ozkan, Nurgul K. Bakirhan, Fariba Mollarasouli, Editor, Elsevier, pp.545-586, 2022
- II. **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
- III. **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

Refereed Congress / Symposium Publications in Proceedings

- I. **Detection of brain metastasis by metabolomics methods in metastatic breast cancer patients.**
Özer Ö., NEMUTLU E., Eylem C. C., KIR S., REÇBER T., Aktas B. Y., Kars A., AKSOY S.
2019 ASCO Annual Meeting, United States Of America, 30 May - 03 June 2019, vol.37, pp.12572
- II. **Invasive Prediction of Fetal Structural Abnormalities Using Metabolomic Profiling**
NEMUTLU E., REÇBER T., ÖZKAN E., AYDIN E., ÖRGÜL G., TANAÇAN A., KIR S., BEKSAÇ M. S.
Perinatal Medicine 2017, Turkey, 28 - 29 April 2019
- III. **METABOLOMIC PROFILING OF THE MOUSE PLASMA IN AIRWAY INFLAMMATION BY A GC-MS**
REÇBER T., ABOHALAKA R., NEMUTLU E., BOZKURT T. E., KIR S., ERDEMLİ İ.
12th International Symposium on Pharmaceutical Sciences (ISOPS), 26 - 29 June 2018
- IV. **METABOLIC INFRASTRUCTURE OF PREGNANT WOMEN WITH METHYLENETETRAHYDROFOLATE REDUCTASE POLYMORPHISMS METABOLOMIC ANALYSIS**
REÇBER T., ÖRGÜL G., AYDIN E., TANACAN A., NEMUTLU E., KIR S., BEKSAÇ M. S.

12th International Symposium on Pharmaceutical Sciences (ISOPS), 26 - 29 June 2018

- V. **Trace-Level Determination of 2-Amino Adipic Acid by LC-ESI-MS/MS for Early Diagnosis of Breast Cancer**
REÇBER T., AKSOY S., NEMUTLU E., KIR S.
International Trace Analysis Congress, 20 - 23 June 2018
- VI. **Metabolic Infrastructure of Pregnant Women with Down Syndrome**
NEMUTLU E., ÖRGÜL G., Recber T., Aydın E., Özkan E., Turğal M., ALİKAŞİFOĞLU M., KIR S., BEKSAÇ M. S.
Seventh Congress of the South East European Society of Perinatal Medicine, 10 May 2018 - 12 January 2019
- VII. **Mass Spectrometry Based Targeted and Untargeted Metabolomic Analysis for Early Diagnosis of Breast Cancer Using LC-ESI-qTOF-MS and LC-ESI-MS/MS**
REÇBER T., AKSOY S., BEKSAÇ K., CENNET Ö., KAYNAROĞLU Z. V., NEMUTLU E., KIR S.
8TH 8th BLACK SEA BASIN CONFERENCE ON ANALYTICAL CHEMISTRY, 9 - 11 May 2018
- VIII. **Obez Çocukların Metabolik Profillerin Değerlendirilmesi**
ÖZKEMAHLI K. G., BALCI A., REÇBER T., NEMUTLU E., buluş d., ERKEKOĞLU Ü. P., KIR S., GÜMÜŞEL B.
UPEK-Ulusal Pediatrik Endokrinoloji ve Diyabet Kongresi, Antalya, Turkey, 18 - 22 April 2018
- IX. **Santral ve Puberte Prekokslu Çocuklarda Metabolomiks Çalışmaları**
BALCI A., REÇBER T., NEMUTLU E., buluş a. d., KIR S., GÜMÜŞEL B., ERKEKOĞLU Ü. P.
22. Ulusal Pediatrik Endokrinoloji ve Diyabet Kongresi, Turkey, 18 - 22 April 2018
- X. **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
- XI. **A LC-MS/MS Method for the Simultaneous Determination of Pronociferine and Romerine in Some Papaver Species**
EYLEM C. C., BAYAZEID O., REÇBER T., NEMUTLU E., YALÇIN F. N., KIR S.
International Multidisciplinary Symposium on Drug Research and Development (DRD), 5 - 07 October 2017
- XII. **A GC-MS Based Metabolomic Profiling of the Mouse Lung in Airway Inflammation**
REÇBER T., ABOHALAKA R., NEMUTLU E., BOZKURT T. E., ERDEMLİ İ., KIR S.
International Multidisciplinary Symposium on Drug Research and Development (DRD), 5 - 07 October 2017
- XIII. **Normalization Effects on the Repeatability of Long Term GC-MS Metabolomic Analysis**
Özen G., REÇBER T., Eylem C. C., KIR S., NEMUTLU E.
International Multidisciplinary Symposium on Drug Research and Development (DRD), 5 - 07 October 2017
- XIV. **Optimization of Liquid Chromatography Quadrupole Time of Flight Mass Spectrometry for Metabolomic Profiling of Breast Cancer**
REÇBER T., NEMUTLU E., Razzaghi M., Aksoy S., Sever A. R., Altundağ K., KIR S.
10th Aegean Analytical Chemistry Days, 29 October - 02 November 2016
- XV. **Meme Kanserinin Erken Tanısında Beş Aday Biyobelirtecine HILIC ESI MS MS Yöntemi ile Analizi**
REÇBER T., NEMUTLU E., KIR S.
16. Ulusal Kromatografi Kongresi, Turkey, 31 August - 02 September 2016
- XVI. **GC MS Temelli Metabolomik Profilleme Fetusdaki Yapısal Anomalilerin Belirlenme Çalışmaları**
REÇBER T., ÖZKAN E., AYDIN E., Tuğral M., MERAL D. G., NEMUTLU E., KIR S., BEKSAÇ M. S.
Ulusal Analitik Kimya Kongresi, Turkey, 31 May - 03 June 2016
- XVII. **LC ESI MS MS Method for the Determination of Histidine Proline and Diethylaminomalonate**
REÇBER T., NEMUTLU E., KIR S.
International Multidisciplinary Symposium on Drug Research and Development- 2015, Turkey, 15 - 17 October 2015
- XVIII. **GC MS Based Metabolomics Approaches for the Prenatal Screening Diagnosis of Down Syndrome**
REÇBER T., ÖZKAN E., AYDIN E., Tuğral M., NEMUTLU E., KIR S., BEKSAÇ M. S.
International Multidisciplinary Symposium on Drug Research and Development- 2015, Turkey, 15 - 17 October 2015
- XIX. **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

XX. A Simple and Rapid HPLC RF Method for the Determination of Fluoxetine in Plasma Samples

REÇBER T., ÖZKAN E., Koçak E. E., Yılmaz M., NEMUTLU E., KIR S.

11th International Symposium on Pharmaceutical Sciences, 9 - 12 June 2015

XXI. GC MS Based Metabolomic Profiling of Human Bone Marrow

Ayhan S., REÇBER T., ÖZKAN E., NEMUTLU E., ÖZGÜL R. K., ÇETİNKAYA F. D., KIR S.

11th International Symposium on Pharmaceutical Sciences, 9 - 12 June 2015

XXII. 6 Effect of pregnancy on the pharmacokinetic profiles of cefepime using a fully validated ultrafast liquid chromatographic method

DOĞAN A., NEMUTLU E., REÇBER T., EROĞLU H., KIR S., BEKSAÇ M. S.

International Symposium on Drug Research & Development "From Chemistry to Medicine" & New Horizons and Job Opportunities for Young Scientists", 27 - 29 May 2011

Supported Projects

ERKEKOĞLU Ü. P., KIR S., GÜMÜŞEL B., NEMUTLU E., BALCI A., REÇBER T., BULUŞ A. D., Project Supported by Higher Education Institutions, SANTRAL ve PERİFERAL PUBERTE PREKOKSLU ÇOCUKLARDA METABOLOMİKS ÇALIŞMALARI, 2017 - 2018

Nemutlu E., Kır S., TUBITAK Project, Meme kanserinin erken tanısı için kombine kromatografik LC TOF MS ve LC MS MS yöntemlerin geliştirilmesi ve uygulanması, 2014 - 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

REÇBER T., Project Supported by Higher Education Institutions, GCMS Temelli Metabolomik Profilleme Fetusteki Yapısal Anomalilerin Belirlenme Çalışmaları, 2016 - 2017

KIR S., BEKSAÇ M. S., NEMUTLU E., REÇBER T., ÖZKAN E., AYDIN E., Project Supported by Higher Education Institutions, Trizomi 21 Hastalığının Erken Dönem Tanısında Yer Alan Metabolitlerin Miktar Tayinleri için Yüksek Performanslı Sıvı Kromatografisi Kütle Spektrometrisi Yöntemi Geliştirilmesi, 2015 - 2017

KIR S., NEMUTLU E., REÇBER T., BEKSAÇ M. S., Project Supported by Higher Education Institutions, DOWN SENDROMUNUN YÜKSEK SEÇİCİLİKTE TANISI İÇİN METABOLOMİK YAKLAŞIMLAR, 2014 - 2017

Reçber T., Tokgözoğlu A. M., Kır S., Project Supported by Higher Education Institutions, Seramik Metal Yüzeyle Primer Kalça Artroplastisi Hastalarında Serum Kobalt ve Krom Düzeylerinin Saptanması, 2013 - 2015

Reçber T., Kır S., Project Supported by Higher Education Institutions, Leflunomid'in Farmasötik Preparatlardan Kapiler Elektroferez ile Analizi, 2012 - 2013

Metrics

Publication: 56

Citation (WoS): 96

Citation (Scopus): 172

H-Index (WoS): 4

H-Index (Scopus): 5