

Prof. SEDEF KIR

Personal Information

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Education Information

Doctorate, Hacettepe Üniversitesi, Eczacılık Fakültesi, Analitik Kimya, Turkey 1983 - 1987

Foreign Languages

English, B2 Upper Intermediate

Research Areas

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

Academic Titles / Tasks

Professor, Hacettepe Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 1996 - Continues

Professional Experience

Head of Department, Hacettepe Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2013 - Continues

Head of Department, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2005 - 2010

Vice Dean, Hacettepe Üniversitesi, Eczacılık Fakültesi, 2003 - 2006

Head of Department, Hacettepe Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 1997 - 2000

Courses

FOTOLUMİNASANS ANALİZ YÖNTEMLERİ, Doctorate, 2016 - 2017

ATOMİK SPEKTROSKOPİ, Post Graduate, 2016 - 2017

ANALİTİK KİMYA II LABORATUVARI, Under Graduate, 2016 - 2017

Analitik Kimya I Lab, Under Graduate, 2016 - 2017

ANALİTİK KİMYA II, Under Graduate, 2016 - 2017

Analitik Kimya I, Under Graduate, 2016 - 2017

ANALİTİK YÖNTEM VALİDASYONU, Post Graduate, 2016 - 2017

Advising Theses

KIR S., ERDEMLİ İ., Lipopolisakkarit ile indüklenen solunum yolları inflamasyonu modelinde yavaş ve hızlı hidrojen sülfür donörlerinin fare trakeasında etkileri, Doctorate, Y.KAYA(Student), 2016

- KIR S., ERDEMLİ İ., KANDİLCİ N. T. , Siklofosfamid ile sistit oluşturulan sıçanların detrusor düz kasında kasılma yanıtının mekanizmasının incelenmesi, Doctorate, M.DENİZALTI(Student), 2015
- KIR S., ERDEMLİ İ., Hidrojen sülfürün damar ve damar-dışı düz kaslardaki gevşetici etkisinin diyabetik sıçanlarda incelenmesi, Post Graduate, M.DENİZALTI(Student), 2010
- KIR S., ERDEMLİ İ., Sıçanda mesane kaynaklı düz kas gevşetici faktörün saliverilmesinin ve etki mekanizmasının araştırılması, Doctorate, T.EMRAH(Student), 2009
- KIR S., ERDEMLİ İ., Solunum yolu inflamasyonunun kobay trakeasında epitel kaynaklı gevşetici faktör aracılı yanıtlar üzerine etkisi, Doctorate, U.BURÇİN(Student), 2002
- KIR S., ERDEMLİ İ., Reaktif oksijen bileşiklerinin sıçan mesanesinden saliverilen gevşetici faktör yanıtlarına etkileri, Post Graduate, T.EMRAH(Student), 2002

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **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 (Journal Indexed in SCI)
- II. **GC-MS analysis of seven metabolites for the screening of pregnant women with Down Syndrome fetuses**
ÖZKAN E., NEMUTLU E., BEKSAÇ M. S. , KIR S.
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.188, 2020 (Journal Indexed in SCI)
- III. **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, 2020 (Journal Indexed in SCI)
- IV. **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, pp.297-303, 2019 (Journal Indexed in SCI)
- V. **In vitro release test of nano-drug delivery systems based on analytical and technological perspectives**
NEMUTLU E., EROĞLU İ., EROĞLU H., KIR S.
Current Analytical Chemistry, vol.15, pp.373-409, 2019 (Journal Indexed in SCI)
- VI. **An LC-ESI-MS/MS method for the simultaneous determination of pronociferine arid 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 (Journal Indexed in SCI)
- VII. **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 (Journal Indexed in SCI)
- VIII. **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, pp.80-84, 2017 (Journal Indexed in SCI)
- IX. **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, pp.216-220, 2016 (Journal Indexed in SCI)
- X. **Determination of Leflunomide in Tablets by Micellar Electrokinetic Capillary Chromatography**
REÇBER T., KIR S.
LATIN AMERICAN JOURNAL OF PHARMACY, vol.34, pp.934-940, 2015 (Journal Indexed in SCI)

- XI. **The pharmacokinetic profiles of pre-operative prophylactic cefepime application in pregnant and non-pregnant women undergoing surgical interventions using a fully validated liquid chromatographic method**
DOĞAN A., NEMUTLU E., Özek M. A. , EROĞLU H., KIR S., BEKSAÇ M. S.
Chromatographia, vol.76, pp.1513-1519, 2013 (Journal Indexed in SCI)
- XII. **Maternal and fetal blood levels of moxifloxacin, levofloxacin, cefepime and cefoperazone**
ÖZYÜNCÜ Ö., NEMUTLU E., Katlan D., KIR S., BEKSAÇ M. S.
INTERNATIONAL JOURNAL OF ANTIMICROBIAL AGENTS, vol.36, pp.175-178, 2010 (Journal Indexed in SCI)
- XIII. **Comparison of pharmacokinetic profiles of moxifloxacin in caesarean versus non-pregnant sectioned women by fully validated HPLC with fluorescence detection**
NEMUTLU E., KIR S., EROĞLU H., Katlan D., Özek A., Öyüncü Ö., BEKSAÇ M. S.
Combinatorial Chemistry and High Throughput Screening, vol.13, pp.502-509, 2010 (Journal Indexed in SCI)
- XIV. **Quantification of Moxifloxacin and Levofloxacin in Curettage Material by SPE-LC**
NEMUTLU E., Katlan D., ÖZYÜNCÜ Ö., KIR S., BEKSAÇ M. S.
CHROMATOGRAPHIA, vol.71, pp.1147-1150, 2010 (Journal Indexed in SCI)
- XV. **Maternal blood and amniotic fluid levels of moxifloxacin, levofloxacin and cefixime**
Ozyuncu O., BEKSAÇ M. S. , NEMUTLU E., Katlan D., KIR S.
JOURNAL OF OBSTETRICS AND GYNAECOLOGY RESEARCH, vol.36, pp.484-487, 2010 (Journal Indexed in SCI)
- XVI. **Simultaneous multiresponse optimization of an HPLC method to separate seven cephalosporins in plasma and amniotic fluid: Application to validation and quantification of cefepime, cefixime and cefoperazone**
NEMUTLU E., KIR S., Katlan D., BEKSAÇ M. S.
TALANTA, vol.80, pp.117-126, 2009 (Journal Indexed in SCI)
- XVII. **Optimisation, validation and application of a capillary electrophoretic method for the determination of zafirlukast in pharmaceutical formulations**
Suslu I., Demircan S., Altinoz S., Kir S.
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.44, pp.16-22, 2007 (Journal Indexed in SCI)
- XVIII. **Method development and validation for the analysis of meloxicam in tablets by CZE**
Nemutlu E., Kir S.
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.31, pp.393-400, 2003 (Journal Indexed in SCI)
- XIX. **Polarographic behaviour of meloxicam and its determination in tablet preparations and spiked plasma**
ALTINOZ S., Nemutlu E., KIR S.
FARMACO, vol.57, pp.463-468, 2002 (Journal Indexed in SCI)
- XX. **DIFFERENTIAL PULSE POLAROGRAPHIC-DETERMINATION OF SOME CHALCONE DERIVATIVES**
ALTINOZ S., OZER D., BASCI N. E. , KIR S., TEMIZER A., SAFAK C., SAHIN F.
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.12, pp.253-255, 1990 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Determination of diclofenac in subretinal and aqueous humor fluids by HPLC with electrochemical detector**
Demircan Ş., Sayin F., Başcı N. E. , KIR S., Kocaogğlan H.
Fabad Journal of Pharmaceutical Sciences, vol.30, pp.33-39, 2005 (Refereed Journals of Other Institutions)
- II. **The determination of alendronate sodium in microparticulate systems by high performance liquid chromatography**
Şamdancıoğlu S., ÇALIŞ S., KIR S., Şumnu M.
Fabad Journal of Pharmaceutical Sciences, vol.28, pp.183-192, 2003 (Refereed Journals of Other Institutions)

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. **Optimization of A HILIC Based LC-ESI-MS/MS Method for Quantification of Phosphonucleotides in Cancer Cell Lines**
Eylem C. C. , DOĞAN A., ERİKÇİ A., YABANOĞLU ÇİFTÇİ S., KIR S., NEMUTLU E.
18th INTERNATIONAL CHROMATOGRAPHY CONGRESS, 15 - 18 November 2018
- III. **Validation of an HPLC method for the determination of besifloxacin HCl from ocular insert based on polycaprolactone**
POLAT H. K. , PEHLİVAN S., KIR S., ÇALIŞ S.
12th International Symposium on Pharmaceutical Sciences, Turkey, 26 - 29 June 2018
- IV. **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
- V. **Effect Of Pregnancy On The Pharmacokinetic Profiles Of Cefixime Using Liquid Chromatographic Method**
DOĞAN A., NEMUTLU E., EROĞLU H., Özek A., KIR S., BEKSAÇ M. S.
9th Central European Symposium on Pharmaceutical Technology, 20 - 22 September 2012
- VI. **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
- VII. **Determination of transplacental passage rate of cefixime by a fully validated HPLC method**
NEMUTLU E., DOĞAN A., KIR S., BEKSAÇ M. S.
NoSSS 2009, the 5th Conference by Nordic Separation Science Society, 26 August 2010 - 29 August 2009

Supported Projects

- KIR S., TUBITAK Project, Meme Kanserinin Erken Tanısı için Kombine Kromatografik LC TOF MS ve LC MS MS Yöntemlerinin Geliştirilmesi ve Uygulanması, 2014 - Continues
- 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 METABOLOMİK ÇALIŞMALARI, 2017 - 2018
- KIR S., ÖZKAN E., Project Supported by Higher Education Institutions, Down sendromunun tanısına yönelik seçilmiş metabolitlerin gaz kromatografisi kütle spektroskopisi ile miktar tayini, 2017 - 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

Citations

Total Citations (WOS):188

h-index (WOS):6