

Prof. EMİRHAN NEMUTLU

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International Researcher IDs

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Yoksis Researcher ID: 21104

Education Information

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Analitik Kimya Anabilim Dalı, Turkey 2003 - 2008

Postgraduate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Analitik Kimya Anabilim Dalı, Turkey 1999 - 2003

Undergraduate, Hacettepe University, Eczacılık Fakültesi, Turkey 1994 - 1998

Foreign Languages

English, C1 Advanced

Research Areas

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

Academic Titles / Tasks

Professor, Hacettepe University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2020 - Continues

Associate Professor, Hacettepe University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2013 - 2020

Research Assistant, Hacettepe University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 1999 - 2013

Courses

ECF 235 ANALİTİK KİMYA II, Undergraduate, 2017 - 2018, 2016 - 2017

EAK 631 TEMEL ANALİTİK KİMYA, Postgraduate, 2017 - 2018

ECF 132 ANALİTİK KİMYA 1, Undergraduate, 2017 - 2018

EAK742 KOMBİNE ANALİTİK YONTEMLER, Doctorate, 2017 - 2018

EAK740 OMIKS ANALİZLER İÇİN ANALİTİK TEKNİKLER, Doctorate, 2017 - 2018

ECF134 ANALİTİK KİMYA I LABORATUVARI, Undergraduate, 2017 - 2018

ECF258 ECZACILIKTA İLERİ ANALİTİK KİMYA, Undergraduate, 2017 - 2018

ECF 237 ANALİTİK KİMYA II LABORATUVARI, Undergraduate, 2017 - 2018

TLA113 LABORATUVAR KİMYASI, Undergraduate, 2016 - 2017
ECF 132 ANALİTİK KİMYA 1, Doctorate, 2016 - 2017
EAK799 DOKTORA YETERLİLİK SINAVINA HAZIRLIK, Doctorate, 2016 - 2017
ECF508 MEZUNİYET PROJESİ DERSİ II, Undergraduate, 2016 - 2017
ECF134 ANALİTİK KİMYA I LABORATUVARI, Doctorate, 2016 - 2017
NNT709 NANOPARTİKULLERİN ANALİZ YONTEMLERİ, Doctorate, 2016 - 2017
ECF507 MEZUNİYET PROJESİ DERSİ I, Doctorate, 2016 - 2017
ECF258 ECZACILIKTA İLERİ ANALİTİK KİMYA, Doctorate, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Optimized high-throughput protocols for comprehensive metabolomic and lipidomic profiling of brain sample**
EYLEM C. C., NEMUTLU E., DOĞAN A., Acik V., Matyar S., Gezercan Y., Altintas S., Okten A. I., BAŞCI AKDUMAN N. E.
TALANTA, 2025 (SCI-Expanded)
- II. **Ex vivo disease modelling of Rett syndrome: the transcriptomic and metabolomic implications of direct neuronal conversion**
KARAOŞMANOĞLU B., İMREN G., Ozisin M. S., REÇBER T., ŞİMŞEK KİPER P. Ö., Haliloglu G., ALİKAŞİFOĞLU M., NEMUTLU E., TAŞKIRAN Z. E., ÜTİNE G. E.
MOLECULAR BIOLOGY REPORTS, no.1, 2024 (SCI-Expanded)
- III. **Biological activities, Peptidomics and *in silico* analysis of low-fat Cheddar cheese after *in vitro* digestion: Impact of blending camel and bovine Milk**
Ali A. H., ÖZTÜRK H. İ., EYLEM C. C., NEMUTLU E., Tarique M., Subhash A., Liu S., Kamal-Eldin A., Ayyash M.
FOOD CHEMISTRY, 2024 (SCI-Expanded)
- IV. **Phytochemical Profile and Antioxidant, Enzyme-Inhibitory, and Cytotoxic Potential of Endemic *Cynoglottis chetikiana* subsp. *chetikiana***
Baran M. Y., GÜNDOĞDU S., Simon A., DUMAN H., REÇBER T., NEMUTLU E., Kuruuzum-Uz A.
PHARMACOGNOSY MAGAZINE, 2024 (SCI-Expanded)
- V. **Inulin may prevent the high-fat diet induced-obesity via suppressing endocannabinoid system in the prefrontal cortex in Wistar rats**
ALPTEKİN İ. M., Cakiroglu F. P., REÇBER T., NEMUTLU E.
INTERNATIONAL JOURNAL OF FOOD SCIENCES AND NUTRITION, 2024 (SCI-Expanded)
- VI. **Preparation and *in vitro* characterization of memantine HCl loaded PLGA nanoparticles for Alzheimer's disease**
Tezel G., Uluturk S., REÇBER T., TİMUR S. S., NEMUTLU E., ESENDAĞLI G., GÜLBAĞ PINAR S., EROĞLU H.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, 2024 (SCI-Expanded)
- VII. **2-AG-loaded and bone marrow-targeted PCL nanoparticles as nanoplatforms for hematopoietic cell line mobilization**
KÖSE S., VARAN C., Onen S., NEMUTLU E., BİLENSOY E., Korkusuz P.
STEM CELL RESEARCH & THERAPY, no.1, 2024 (SCI-Expanded)
- VIII. **Glutamine withdrawal leads to the preferential activation of lipid metabolism in metastatic colorectal cancer**
Taskiran A. E. G., Karaoglu D. A., EYLEM C. C., Ermis C., Guederer I., NEMUTLU E., DEMİRKOL CANLI S., BANERJEE S.
TRANSLATIONAL ONCOLOGY, 2024 (SCI-Expanded)
- IX. **The potential role of hot flashes treatment strategies and regorafenib combinations in breast cancer therapy via co-drug loaded polymeric nanoparticles**
Esim O., Adatepe S., Sarper M., Bakirhan N. K., ERDOĞAN KABLAN S., Kocak E., Ozkan C. K., NEMUTLU E., Savaser A., ÖZKAN S. A., et al.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, 2024 (SCI-Expanded)
- X. **Metabolomic analysis of the effect of endocannabinoid metabolism inhibition in allergic airway**

inflammation

Abohalaka R., KARAMAN Y., REÇBER T., ÖNDER S. Ç., NEMUTLU E., BOZKURT T. E.
EUROPEAN RESPIRATORY JOURNAL, 2024 (SCI-Expanded)

- XI. **Selective and Sensitive MIP-Based Electrochemical Sensor for the Analytical Determination of Lanreotide**
Ozkan E., Corman M. E., NEMUTLU E., ÖZKAN S. A., KIR S.
MICROCHEMICAL JOURNAL, 2024 (SCI-Expanded)
- XII. **Development of a low allergenic product for patients with milk allergy and assessment of its specific IgE reactivity**
Yazici D., SÜER MİCKLER H., Bulbuloglu C. N., Guzar E., Kocak E., NEMUTLU E., Buyuktiryaki B., Sackesen C.
PEDIATRIC ALLERGY AND IMMUNOLOGY, no.6, 2024 (SCI-Expanded)
- XIII. **Metabolomics profiling for diagnosis of acute renal failure after cardiopulmonary bypass**
ERDOĞAN KABLAN S., Yılmaz A., Syed H., Kocabeyoğlu S. S., Kervan Ü., ÖZALTIN N., NEMUTLU E.
Rapid Communications in Mass Spectrometry, vol.38, no.9, 2024 (SCI-Expanded)
- XIV. **A comparative urinary proteomic and metabolomic analysis between renal amyloidosis and membranous nephropathy with clinicopathologic correlations**
ÖZBEK D. A., Koc S. C., Kucuk N. E. O., Kablan S. E., YET İ., ÜNER M., Ozlu N., NEMUTLU E., LAY İ., Ayhan A. S., et al.
Journal of Proteomics, vol.293, 2024 (SCI-Expanded)
- XV. **Longitudinal non-targeted metabolomic profiling of urine samples for monitoring of kidney transplantation patients**
Yozgat I., Cakır U., SERDAR M. A., ŞAHİN S., SEZERMAN O. U., NEMUTLU E., BAYKAL A. T., SERTESER M.
Renal Failure, vol.46, no.1, 2024 (SCI-Expanded)
- XVI. **Behavior, antioxidant, and metabolomics effects of Allium tuncelianum**
ABBAK N., NEMUTLU E., REÇBER T., Gul A. S. D., Akkoyun H. T., Akkoyun M. B., Yilmaz G., Ekin S., Bakir A., ARIHAN O.
Food Science and Nutrition, 2024 (SCI-Expanded)
- XVII. **Generation of Anterior Segment of the Eye Cells from hiPSCs in Microfluidic Platforms**
Koçak G., Uyulgan S., Polatlı E., Sarı V., Kahveci B., Bursali A., Binokay L., REÇBER T., NEMUTLU E., Mardinoğlu A., et al.
Advanced Biology, 2024 (SCI-Expanded)
- XVIII. **Omic Studies on In Vitro Cystinosis Model: siRNA-Mediated CTNS Gene Silencing in HK-2 Cells**
Baysal İ., YABANOĞLU ÇİFTÇİ S., NEMUTLU E., EYLEM C. C., Gök-Topak E. D., ULUBAYRAM K., KIR S., GÜLHAN B., UÇAR G., ÖZALTIN F., et al.
Laboratory investigation; a journal of technical methods and pathology, vol.104, no.1, pp.100287, 2024 (SCI-Expanded)
- XIX. **Manipulating macrophage polarization with nanoparticles to control metastatic behavior in heterotypic breast cancer micro-tissues via exosome signaling**
Sungu M., Isik M., GÜLER Ü., EYLEM C. C., ESKİZENGİN H., NEMUTLU E., SALİH B., DERKUŞ B.
Nanoscale, vol.16, no.1, pp.394-410, 2023 (SCI-Expanded)
- XX. **Molecular docking, synthesis, anticancer activity, and metabolomics study of boronic acid ester-containing fingolimod derivatives**
DOYDUK D., DERKUŞ B., Sari B., EYLEM C. C., NEMUTLU E., YILDIRIR Y.
Archiv der Pharmazie, vol.356, no.12, 2023 (SCI-Expanded)
- XXI. **Bioactive and chemically defined hydrogels with tunable stiffness guide cerebral organoid formation and modulate multi-omics plasticity in cerebral organoids**
Isik M., Okesola B. O., EYLEM C. C., Kocak E., NEMUTLU E., D'Este M., Mata A., DERKUŞ B.
Acta Biomaterialia, vol.171, pp.223-238, 2023 (SCI-Expanded)
- XXII. **Biomarkers in exhaled breath condensate as fingerprints of asthma, chronic obstructive pulmonary disease and asthma-chronic obstructive pulmonary disease overlap: a critical review**
Seyfinejad B., NEMUTLU E., Taghizadieh A., Khoubnasabjafari M., ÖZKAN S. A., Jouyban A.
BIOMARKERS IN MEDICINE, no.19, pp.811-837, 2023 (SCI-Expanded)
- XXIII. **Simultaneous Determination of Ruscogenin, Neoruscogenin, Trimebutin, and Parabens in Cream**

Formulation by Reverse Phase High Performance Liquid Chromatography

Özen G., NEMUTLU E.

Chromatographia, vol.86, no.10, pp.649-657, 2023 (SCI-Expanded)

- XXIV. **Molecularly imprinted electrochemical sensor for the selective and sensitive determination of octreotide in cancer patient plasma sample**
Ozkan E., Ozcelikay G., Gök Topak E. D., NEMUTLU E., ÖZKAN S. A., DİZDAR Ö., AKSOY S., KIR S.
Talanta, vol.263, 2023 (SCI-Expanded)
- XXV. **3D Printing of Extracellular Matrix-Based Multicomponent, All-Natural, Highly Elastic, and Functional Materials toward Vascular Tissue Engineering**
Isik M., Karakaya E., Arslan T. S., Atila D., ERDOĞAN Y. K., ARSLAN Y. E., ESKİZENGİN H., Eylem C. C., NEMUTLU E., ERCAN B., et al.
Advanced Healthcare Materials, vol.12, no.20, 2023 (SCI-Expanded)
- XXVI. **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, vol.61, pp.612-618, 2023 (SCI-Expanded)
- XXVII. **The effect of mitochondria-targeted slow hydrogen sulfide releasing donor AP39-treatment on airway inflammation**
KARAMAN Y., Kaya-Yasar Y., Eylem C. C., ÖNDER S. Ç., NEMUTLU E., BOZKURT T. E., Sahin-Erdemli I.
European Journal of Pharmacology, vol.946, 2023 (SCI-Expanded)
- XXVIII. **Metabolomic, oxidative, and inflammatory responses to acute exercise in chronic obstructive pulmonary disease**
ÇAKMAK A., NEMUTLU E., YABANOĞLU ÇİFTÇİ S., BAYSAL İ., Kocaaga E., Coplu L., İNAL İNCE D.
Heart and Lung, vol.59, pp.52-60, 2023 (SCI-Expanded)
- XXIX. **Electrochemically based targeted metabolomics for uric acid, xanthine, and hypoxanthine in plasma samples for early diagnosis of acute renal failure after cardiopulmonary bypass using rGO-GCE**
ERDOĞAN KABLAN S., Yılmaz A., Kervan Ü., Özaltın N., NEMUTLU E.
Talanta, vol.253, 2023 (SCI-Expanded)
- XXX. **Celecoxib Nanoformulations with Enhanced Solubility, Dissolution Rate, and Oral Bioavailability: Experimental Approaches over In Vitro/In Vivo Evaluation**
Arslan A., YET B., NEMUTLU E., AKDAĞ ÇAYLI Y., EROĞLU H., ÖNER L.
Pharmaceutics, vol.15, no.2, 2023 (SCI-Expanded)
- XXXI. **Metabolomic Analyses to Identify Candidate Biomarkers of Cystinosis**
NEMUTLU E., ÖZALTIN F., YABANOĞLU ÇİFTÇİ S., GÜLHAN B., Eylem C. C., BAYSAL İ., Gök-Topak E. D., ULUBAYRAM K., SEZERMAN O. U., UÇAR G., et al.
International Journal of Molecular Sciences, vol.24, no.3, 2023 (SCI-Expanded)
- XXXII. **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)
- XXXIII. **CB65 and novel CB65 liposomal system suppress MG63 and Saos-2 osteosarcoma cell growth in vitro**
Zorba B. I., Boyacıoğlu Ö., Çağlayan T., REÇBER T., NEMUTLU E., EROĞLU İ., KORKUSUZ P.
Journal of Liposome Research, 2023 (SCI-Expanded)
- XXXIV. **Metabolomics analysis insight into medicinal plant science**
Waris M., Kocak E., Gonulalan E. M., DEMİREZER L. Ö., KIR S., NEMUTLU E.
TRAC-TRENDS IN ANALYTICAL CHEMISTRY, vol.157, 2022 (SCI-Expanded)
- XXXV. **MITOCHONDRIA-TARGETED COQ10 FORMULATION FOR THE TREATMENT OF COQ10 NEPHROPATHIES**
Ozbay H. S., Ciftci S. Y., BAYSAL İ., GÜLTEKİNOĞLU BAYRAM M., Eylem C. C., ULUBAYRAM K., NEMUTLU E., TOPALOĞLU R., ÖZALTIN F.
PEDIATRIC NEPHROLOGY, vol.37, no.11, pp.2830-2831, 2022 (SCI-Expanded)

- XXXVI. **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)
- XXXVII. **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)
- XXXVIII. **CANDIDATE BIOMARKER(S) FOR CYSTINOSIS WITH OMIC-BASED TECHNOLOGY: FROM LABORATORY TO BED-SIDE**
NEMUTLU E., Eylem C. C., GÜLHAN B., BAYSAL İ., Yabanoglu-Ciftci S., KIR S., ULUBAYRAM K., UÇAR G., SEZERMAN O. U., ÖZALTIN F., et al.
PEDIATRIC NEPHROLOGY, vol.37, no.11, pp.2831, 2022 (SCI-Expanded)
- XXXIX. **Tuning the Cell-Adhesive Properties of Two-Component Hybrid Hydrogels to Modulate Cancer Cell Behavior, Metastasis, and Death Pathways**
Isik M., Okesola B. O., Eylem C. C., Kocak E., NEMUTLU E., EMREGÜL E., D'Este M., DERKUŞ B.
BIOMACROMOLECULES, vol.23, no.10, pp.4254-4267, 2022 (SCI-Expanded)
- XL. **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)
- XLI. **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)
- XLII. **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)
- XLIII. **Development of an electrochemical sensor based on porous molecularly imprinted polymer via photopolymerization for detection of somatostatin in pharmaceuticals and human serum**
Ozkan E., corman M. E., NEMUTLU E., ÖZKAN S. A., KIR S.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.919, 2022 (SCI-Expanded)
- XLIV. **Omics technologies for high-throughput-screening of cell-biomaterial interactions**
Sari B., Isik M., Eylem C. C., Bektas C., Okesola B. O., Karakaya E., EMREGÜL E., NEMUTLU E., DERKUŞ B.
MOLECULAR OMICS, vol.18, no.7, pp.591-615, 2022 (SCI-Expanded)
- XLV. **Exometabolomic analysis of susceptible and multi-drug resistant Pseudomonas aeruginosa**
Koçak E., Nigiz Ş., Özkan E., Erdoğan Kablan S., Hazirolan G., Nemutlu E., Kir S., Sağıroğlu M., Özkul C.
LETTERS IN APPLIED MICROBIOLOGY, vol.75, no.2, pp.234-242, 2022 (SCI-Expanded)
- XLVI. **High-Throughput Single-Step plasma sample extraction optimization strategies with experimental design for LC-MS and GC-MS integrated metabolomics and lipidomics analysis**
Eylem C. C., NEMUTLU E., DOĞAN A., Acik V., Matyar S., Gezercan Y., Altintas S., Okten A. I., BAŞCI AKDUMAN N. E.
MICROCHEMICAL JOURNAL, vol.179, 2022 (SCI-Expanded)
- XLVII. **Do Thickening Agents Used in Dysphagia Diet Affect Drug Bioavailability?**
ILGAZ F., TİMUR S. S., Eylem C. C., NEMUTLU E., EROĞLU ERDEM Ç., EROĞLU H., GÖKMEN ÖZEL H.
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.174, 2022 (SCI-Expanded)
- XLVIII. **Intranasal metformin treatment ameliorates cognitive functions via insulin signaling pathway in ICV-STZ-induced mice model of Alzheimer's disease**
KAZKAYASI BÖLÜK İ., TELLİ G., NEMUTLU E., Uma S.

LIFE SCIENCES, vol.299, 2022 (SCI-Expanded)

- XLIX. **Metabolomics mapping changed after olanzapine therapy in drug-naive schizophrenia patients-the significant impact of gene polymorphisms**
KARAHALİL B., ELKAMA A., AK M., NEMUTLU E.
TOXICOLOGY RESEARCH, vol.11, pp.547-556, 2022 (SCI-Expanded)
- L. **Xenogenic Neural Stem Cell-Derived Extracellular Nanovesicles Modulate Human Mesenchymal Stem Cell Fate and Reconstruct Metabolomic Structure**
DERKUŞ B., Isik M., Eylem C. C., ERGİN İ., Camci C. B., Bilgin S., ELBÜKEN Ç., ARSLAN Y. E., AKKULAK M., ADALI O., et al.
ADVANCED BIOLOGY, vol.6, no.6, 2022 (SCI-Expanded)
- LI. **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)
- LII. **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)
- LIII. **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)
- LIV. **Mitochondria-targeted CoQ(10) loaded PLGA-b-PEG-TTP nanoparticles: Their effects on mitochondrial functions of COQ8B(-/-) HK-2 cells**
Sena Ozbay H., Yabanoglu-Ciftci S., Baysal I., Gultekinoglu M., Can Eylem C. C., Ulubayram K., Nemutlu E., Topaloglu R., Ozaltin F.
EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS, vol.173, pp.22-33, 2022 (SCI-Expanded)
- LV. **Human laryngeal squamous cell carcinoma cell line release of endogenous anandamide and 2-arachidonoylglycerol, and their antiproliferative effect via exogenous supplementation: an in vitro study**
Onay O., Kose S., SÜTAY SÜSLÜ N., KORKUSUZ P., NEMUTLU E., Aydin C., Hosal S.
CELL AND TISSUE BANKING, vol.23, no.1, pp.93-100, 2022 (SCI-Expanded)
- LVI. **Sensitive and cost-effective boron doped diamond and Fe2O3/Chitosan nanocomposite modified glassy carbon electrodes for the trace level quantification of anti-diabetic dapagliflozin drug**
ÖZKAN E., Cetinkaya A., ÖZÇELİKAY G., NEMUTLU E., KIR S., Ozkan S. A.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.908, 2022 (SCI-Expanded)
- LVII. **Sensor-based MIP technologies for targeted metabolomics analysis**
ÖZÇELİKAY G., KAYA S., ÖZKAN E., Cetinkaya A., NEMUTLU E., KIR S., ÖZKAN S. A.
TrAC - Trends in Analytical Chemistry, vol.146, 2022 (SCI-Expanded)
- LVIII. **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)
- LIX. **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)
- LX. **Efficacy of siRNA-loaded nanoparticles in the treatment of K-RAS mutant lung cancer in vitro**
Gencer A., BAYSAL İ., NEMUTLU E., YABANOĞLU ÇİFTÇİ S., ARICA YEGİN B.
JOURNAL OF MICROENCAPSULATION, vol.39, no.3, pp.261-275, 2022 (SCI-Expanded)
- LXI. **Mechanically robust hybrid hydrogels of photo-crosslinkable gelatin and laminin-mimetic peptide amphiphiles for neural induction**

- Isik M., Eylem C. C., Hacıfendioglu T., YILDIRIM E., Sari B., NEMUTLU E., EMREGÜL E., Okesola B. O., DERKUŞ B. BIOMATERIALS SCIENCE, vol.9, pp.8270-8284, 2021 (SCI-Expanded)
- LXII. **Neuroactivity of the naturally occurring aporphine alkaloid, roemerine**
Bayazeid O., NEMUTLU E., Eylem C. C., İlhan M., Kupeli-Akkol E., KARAHAN H., Kelicen-Ugur P., Ersoz T., Yalcin F. N. NATURAL PRODUCT RESEARCH, vol.35, no.24, pp.6147-6152, 2021 (SCI-Expanded)
- LXIII. **Decellularized spinal cord meninges extracellular matrix hydrogel that supports neurogenic differentiation and vascular structure formation**
ÖZÜDOĞRU E., Isik M., Eylem C. C., NEMUTLU E., ARSLAN Y. E., Derkus B. JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.15, no.11, pp.948-963, 2021 (SCI-Expanded)
- LXIV. **Radiotherapy-induced alterations in vitreous humor: A new potential critical structure.**
Elmali A., Koc I., Ciftci S. Y., Nemuğlu E., Surucu S., Kiratli H., Yuce D., Cengiz M., Zorlu F., Ozyigit G., et al. Experimental eye research, vol.212, pp.108802, 2021 (SCI-Expanded)
- LXV. **Integrative proteomics and metabolomics approach to elucidate the antimicrobial effect of simvastatin on Escherichia coli**
Kocak E., NEMUTLU E., KIR S., SAĞIROĞLU M., ÖZKUL KOÇAK C. BIOMEDICAL CHROMATOGRAPHY, vol.35, no.10, 2021 (SCI-Expanded)
- LXVI. **Salbutamol Delivered by Jet Nebulizer: Closed System Design and Impact of a Model Biofilm**
ÖCAL S., ÖZEN S., NEMUTLU E., KART D., Eylem C. C., TOPELİ İSKİT A. RESPIRATORY CARE, vol.66, no.9, pp.1440-1445, 2021 (SCI-Expanded)
- LXVII. **Metabolomic profiling of active and inactive liver cystic echinococcosis**
ÇİFTÇİ T. T., YABANOĞLU ÇİFTÇİ S., ÜNAL E., AKINCI D., BAYSAL İ., Yuce G., DOĞRUL A. B., ÖRSTEN S., AKHAN O., NEMUTLU E. ACTA TROPICA, vol.221, 2021 (SCI-Expanded)
- LXVIII. **Reduced mitochondrial fission and impaired energy metabolism in human primary skeletal muscle cells of Megaconial Congenital Muscular Dystrophy**
AKSU MENGEŞ E., Eylem C. C., NEMUTLU E., Gizer M., KORKUSUZ P., Topaloglu H., TALİM B., Balci-Hayta B. SCIENTIFIC REPORTS, vol.11, no.1, 2021 (SCI-Expanded)
- LXIX. **Inflammatory responses to incremental exercise in chronic obstructive pulmonary disease**
ÇAKMAK A., Inal-Ince D., Kocaaga E., BAYSAL İ., Yabanoglu-Ciftci S., NEMUTLU E., ÇOPLU L. EUROPEAN RESPIRATORY JOURNAL, vol.58, 2021 (SCI-Expanded)
- LXX. **Simultaneous Quantification of Paclitaxel and Vinorelbine Encapsulated in Theranostic Nanosized Liposomes**
KARPUZ M., DOĞAN A., NEMUTLU E., SİLİNDİR GÜNAY M., Ozer A. Y. JOURNAL OF ANALYTICAL CHEMISTRY, vol.76, no.6, pp.742-748, 2021 (SCI-Expanded)
- LXXI. **Development of oral aprepitant-loaded chitosan-polyethylene glycol-coated cyclodextrin nanocapsules: formulation, characterization, and pharmacokinetic evaluation**
Erdoglar N., Akkin S., Nielsen T. T., Ozcelebi E., Erdogdu B., NEMUTLU E., Iskit A. B., BİLENSOY E. JOURNAL OF PHARMACEUTICAL INVESTIGATION, vol.51, no.3, pp.297-310, 2021 (SCI-Expanded)
- LXXII. **Gas chromatography-mass spectrometry based O-18 stable isotope labeling of Krebs cycle intermediates**
Eylem C. C., BAYSAL İ., Erikci A., YABANOĞLU ÇİFTÇİ S., Zhang S., KIR S., Terzic A., Dzeja P., NEMUTLU E. ANALYTICA CHIMICA ACTA, vol.1154, 2021 (SCI-Expanded)
- LXXIII. **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)
- LXXIV. **Determination and validation of aprepitant in rat plasma using LC-MS/MS.**
Erdoglar N., REÇBER T., B Iskit A. B., BİLENSOY E., KIR S., NEMUTLU E. Bioanalysis, vol.13, no.5, pp.363-372, 2021 (SCI-Expanded)

- LXXV. **Characterization of human bone marrow niches with metabolome and transcriptome profiling**
AYHAN S., NEMUTLU E., Cetinkaya D. U., KIR S., ÖZGÜL R. K.
JOURNAL OF CELL SCIENCE, vol.134, no.6, 2021 (SCI-Expanded)
- LXXVI. **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)
- LXXVII. **Electrospun Nanofibers for Dual and Local Delivery of Neuroprotective Drugs**
Haidar M. K., TİMUR S. S., Demirbolat G. M., NEMUTLU E., GÜRSOY R. N., ULUBAYRAM K., ÖNER L., EROĞLU H.
FIBERS AND POLYMERS, vol.22, no.2, pp.334-344, 2021 (SCI-Expanded)
- LXXVIII. **ACPA decreases non-small cell lung cancer line growth through Akt/PI3K and JNK pathways in vitro.**
Boyacioglu O., BİLGİÇ E., VARAN C., BİLENSOY E., NEMUTLU E., GÜLMEZ SEVİM D., Kocafe C., KORKUSUZ P.
Cell death & disease, vol.12, no.1, pp.56, 2021 (SCI-Expanded)
- LXXIX. **Analysis of Quinolones in Biological Materials by Liquid Chromatography**
Gok E. D., KIR S., NEMUTLU E.
CURRENT ANALYTICAL CHEMISTRY, vol.17, no.9, pp.1278-1304, 2021 (SCI-Expanded)
- LXXX. **Partial inhibition of mitochondrial complex I ameliorates Alzheimer's disease pathology and cognition in APP/PS1 female mice**
Stojakovic A., Trushin S., Sheu A., Khalili L., Chang S., Li X., Christensen T., Salisbury J. L., Geroux R. E., Gateno B., et al.
COMMUNICATIONS BIOLOGY, vol.4, no.1, 2021 (SCI-Expanded)
- LXXXI. **Investigation of the relationship between chronic montelukast treatment, asthma and depression-like behavior in mice**
Tel B. C., Telli G., Onder S., Nemutlu E., Bozkurt T. E.
EXPERIMENTAL AND THERAPEUTIC MEDICINE, vol.21, no.1, 2021 (SCI-Expanded)
- LXXXII. **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)
- LXXXIII. **Neuroactivity of naturally occurring proaporphine alkaloid, pronuciferine**
Bayazeid O., NEMUTLU E., Eylem C. C., Yalcin F. N.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.34, no.12, 2020 (SCI-Expanded)
- LXXXIV. **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)
- LXXXV. **Polymeric Nanoparticle Versus Liposome Formulations: Comparative Physicochemical and Metabolomic Studies as l-Carnitine Delivery Systems**
Yasacan M., Erikci A., Eylem C. C., Ciftci S. Y., NEMUTLU E., ULUBAYRAM K., EROĞLU İ.
AAPS PHARMSCITECH, vol.21, no.8, 2020 (SCI-Expanded)
- LXXXVI. **From nutrition to medicine: Assessing hemorrhoid healing activity of Solanum melongena L. via in vivo experimental models and its major chemicals**
Donmez C., YALÇIN F. N., Boyacioglu O., KORKUSUZ P., Akkol E. K., NEMUTLU E., Balaban Y. H., Caliskan U. K.
JOURNAL OF ETHNOPHARMACOLOGY, vol.261, 2020 (SCI-Expanded)
- LXXXVII. **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)
- LXXXVIII. **Phosphate Anion Imprinted Cryogel Cartridges for Selective Preconcentration of Phosphorylated Amino Acids from Protein Lysate: An Alternative Sorbent for Proteome Analyses**
ARMUTCU ÇORMAN C., Tartan C., ÖZGÜR E., NEMUTLU E., UZUN L.

- CHEMISTRYSELECT, vol.5, no.38, pp.11730-11736, 2020 (SCI-Expanded)
- LXXXIX. **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 (SCI-Expanded)
- XC. **Assessment of Dose Proportionality of Rivaroxaban Nanocrystals**
Demir H., GÜLSÜN İNAL T., ÖZKAN M. H., NEMUTLU E., ŞAHİN S., ÖNER L.
AAPS PHARMSCITECH, vol.21, no.6, 2020 (SCI-Expanded)
- XCI. **Metabolomics and proteomics profiles of some medicinal plants and correlation with BDNF activity**
Gonulalan E. M., NEMUTLU E., Bayazeid O., KOÇAK E., Yalçın F. N., DEMİREZER L. Ö.
PHYTOMEDICINE, vol.74, 2020 (SCI-Expanded)
- XCII. **Composite nanofibers incorporating alpha lipoic acid and atorvastatin provide neuroprotection after peripheral nerve injury in rats**
Haidar M. K., TİMUR S. S., Kazancı A., Turkoglu O. F., GÜRSOY R. N., NEMUTLU E., Sargon M. F., BODUR E., GÖK M., ULUBAYRAM K., et al.
EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS, vol.153, pp.1-13, 2020 (SCI-Expanded)
- XCIII. **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)
- XCIV. **Atorvastatin-loaded nanosprayed chitosan nanoparticles for peripheral nerve injury**
Haidar M. K., Demirbolat G. M., TİMUR S. S., GÜRSOY R. N., NEMUTLU E., ULUBAYRAM K., ÖNER L., EROĞLU H.
BIOINSPIRED BIOMIMETIC AND NANOBIO MATERIALS, vol.9, no.2, pp.74-84, 2020 (SCI-Expanded)
- XC. **The effects of fatty acid amide hydrolase and monoacylglycerol lipase inhibitor treatments on lipopolysaccharide-induced airway inflammation in mice**
Abohalaka R., Bozkurt T. E., Nemutlu E., Onder S., Sahin-Erdemli I.
PULMONARY PHARMACOLOGY & THERAPEUTICS, vol.62, 2020 (SCI-Expanded)
- XCVI. **Improved oral bioavailability of anticancer drug tamoxifen through complexation with water soluble cyclodextrins: in vitro and in vivo evaluation**
Erdoğan N., NEMUTLU E., İSKİT A. B., KARA Ş. A., Teksin Z. Ş., BİLENSOY E.
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, vol.96, no.1-2, pp.81-91, 2020 (SCI-Expanded)
- XCVII. **Untargeted multi-omic analysis of colorectal cancer-specific exosomes reveals joint pathways of colorectal cancer in both clinical samples and cell culture**
Eylem C. C., YILMAZ M., DERKUŞ B., NEMUTLU E., Camci C. B., YILMAZ E., Turkoglu M. A., Aytac B., Ozyurt N., EMREGÜL E.
CANCER LETTERS, vol.469, pp.186-194, 2020 (SCI-Expanded)
- XCVIII. **Altered metabolomic profile of dual-species biofilm: Interactions between Proteus mirabilis and Candida albicans**
KART D., YABANOĞLU ÇİFTÇİ S., NEMUTLU E.
Microbiological Research, vol.230, 2020 (SCI-Expanded)
- XCIX. **Development and validation of an HPLC method for determination of rofecoxib in bovine serum albumin microspheres**
DEMİRTÜRK E., NEMUTLU E., ŞAHİN S., ÖNER L.
TURKISH JOURNAL OF CHEMISTRY, vol.44, no.3, pp.647-655, 2020 (SCI-Expanded)
- C. **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)
- CI. **Metabolic Infrastructure of Pregnant Women With Trisomy 21 Fetuses; Metabolomic Analysis**

NEMUTLU E., ÖRGÜL G., REÇBER T., AYDIN E., ÖZKAN E., TURĞAL M., ALİKAŞİFOĞLU M., KIR S., BEKSAÇ M. S.
ZEITSCHRIFT FÜR GEBURTSCHILFE UND NEONATOLOGIE, vol.223, no.5, pp.297-303, 2019 (SCI-Expanded)

- CII. **A new perspective on evaluation of medicinal plant biological activities: The correlation between phytonics and matrix metalloproteinases activities of some medicinal plants**
Gonulalan E., NEMUTLU E., DEMİREZER L. Ö.
SAUDI PHARMACEUTICAL JOURNAL, vol.27, no.3, pp.446-452, 2019 (SCI-Expanded)
- CIII. **A snapshot on the current status of Alzheimer's disease, treatment perspectives, in-Vitro and in-Vivo research studies and future opportunities**
Tezel G., TİMUR S. S., Bozkurt İ., Faruk Türkoğlu Ö., EROĞLU İ., NEMUTLU E., ÖNER L., EROĞLU H.
Chemical and Pharmaceutical Bulletin, vol.67, no.10, pp.1030-1041, 2019 (SCI-Expanded)
- CIV. **Determination of N-acetylcysteine in the presence of ciprofloxacin or levofloxacin in microparticulate dry powder inhalers**
Akdag Y., ŞAHİN S., NEMUTLU E., ÖNER L.
TURKISH JOURNAL OF CHEMISTRY, vol.43, no.3, pp.846-856, 2019 (SCI-Expanded)
- CV. **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, no.4, pp.373-409, 2019 (SCI-Expanded)
- CVI. **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 (SCI-Expanded)
- CVII. **Human bone marrow mesenchymal stem cells secrete endocannabinoids that stimulate in vitro hematopoietic stem cell migration effectively comparable to beta-adrenergic stimulation**
KOSE S., AERTS-KAYA F. S. F., Kopru C. Z., NEMUTLU E., Koskonmaz B., KARAOSMANOĞLU B., TASKIRAN E. Z., ALTUN B., CETINKAYA D. U., KORKUSUZ P.
EXPERIMENTAL HEMATOLOGY, vol.57, pp.30-41, 2018 (SCI-Expanded)
- CVIII. **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)
- CIX. **Dual release behavior of atorvastatin and alpha-lipoic acid from PLGA microspheres for the combination therapy in peripheral nerve injury**
EROĞLU H., Haidar M. K., NEMUTLU E., ÖZTÜRK Ş., BAYRAM C., ULUBAYRAM K., ÖNER L.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.39, pp.455-466, 2017 (SCI-Expanded)
- CX. **An Improved and Validated HPLC Method for the Determination of Methylprednisolone Sodium Succinate and its Degradation Products in Nanoparticles**
KARABEY-AKYUREK Y., NEMUTLU E., BİLENSOY E., ÖNER L.
CURRENT PHARMACEUTICAL ANALYSIS, vol.13, no.2, pp.162-168, 2017 (SCI-Expanded)
- CXI. **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)
- CXII. **Decline of Phosphotransfer and Substrate Supply Metabolic Circuits Hinders ATP Cycling in Aging Myocardium**
Nemutlu E., Gupta A., Zhang S., VIQAR M., HOLMUHAMEDOV E., TERZIC A., JAHANGIR A., DZEJA P.
PLOS ONE, vol.10, no.9, 2015 (SCI-Expanded)
- CXIII. **Cardiac Resynchronization Therapy Induces Adaptive Metabolic Transitions in the Metabolomic Profile of Heart Failure**
Nemutlu E., Zhang S., XU Y., TERZIC A., ZHONG L., DZEJA P. D., CHA Y.
JOURNAL OF CARDIAC FAILURE, vol.21, no.6, pp.460-469, 2015 (SCI-Expanded)

- CXIV. **Modulation of Mitochondrial Complex I Activity Averts Cognitive Decline in Multiple Animal Models of Familial Alzheimer's Disease**
ZHANG L., Zhang S., MAEZAWA I., TRUSHIN S., MINHAS P., PINTO M., JIN L., Prasain K., Nguyen T. D. T., YAMAZAKI Y., et al.
EBIOMEDICINE, vol.2, no.4, pp.294-305, 2015 (SCI-Expanded)
- CXV. **O-18-assisted P-31 NMR and Mass Spectrometry for Phosphometabolomic Fingerprinting and Metabolic Monitoring**
Nemutlu E., Zhang S., Terzic A., Dzeja P.
METABOLIC PROFILING: DISEASE AND XENOBIOTICS, vol.21, pp.255-286, 2015 (SCI-Expanded)
- CXVI. **Adenylate Kinase Isoform Network: A Major Hub in Cell Energetics and Metabolic Signaling**
Zhang S., NEMUTLU E., Terzic A., Dzeja P.
SYSTEMS BIOLOGY OF METABOLIC AND SIGNALING NETWORKS: ENERGY, MASS AND INFORMATION TRANSFER, vol.16, pp.145-162, 2014 (SCI-Expanded)
- CXVII. **Comparative assessment of dermal wound healing potentials of various Trifolium L. extracts and determination of their isoflavone contents as potential active ingredients**
RENDA G., Yalcin F. N., NEMUTLU E., AKKOL E., SÜNTAR İ., KELEŞ H., İna H., ÇALIŞ İ., ERSÖZ T.
JOURNAL OF ETHNOPHARMACOLOGY, vol.148, no.2, pp.423-432, 2013 (SCI-Expanded)
- CXVIII. **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 (SCI-Expanded)
- CXIX. **O-18-assisted dynamic metabolomics for individualized diagnostics and treatment of human diseases**
NEMUTLU E., Zhang S., Juranic N. O., Terzic A., Macura S., Dzeja P.
CROATIAN MEDICAL JOURNAL, vol.53, no.6, pp.529-534, 2012 (SCI-Expanded)
- CXX. **Electron spray ionization mass spectrometry and 2D P-31 NMR for monitoring O-18/O-16 isotope exchange and turnover rates of metabolic oligophosphates**
NEMUTLU E., Juranic N., Zhang S., Ward L. E., Dutta T., Nair K. S., Terzic A., Macura S., Dzeja P. P.
ANALYTICAL AND BIOANALYTICAL CHEMISTRY, vol.403, no.3, pp.697-706, 2012 (SCI-Expanded)
- CXXI. **Dynamic phosphometabolomic profiling of human tissues and transgenic models by O-18-assisted P-31 NMR and mass spectrometry**
NEMUTLU E., Zhang S., Gupta A., Juranic N. O., Macura S. I., Terzic A., Jahangir A., Dzeja P.
PHYSIOLOGICAL GENOMICS, vol.44, no.7, pp.386-402, 2012 (SCI-Expanded)
- CXXII. **P-31 NMR correlation maps of O-18/O-16 chemical shift isotopic effects for phosphometabolite labeling studies**
Juranic N., NEMUTLU E., Zhang S., Dzeja P., Terzic A., Macura S.
JOURNAL OF BIOMOLECULAR NMR, vol.50, no.3, pp.237-245, 2011 (SCI-Expanded)
- CXXIII. **Multiresidue determination of quinolones regulated by the European Union in bovine and porcine plasma. Application of chromatographic and capillary electrophoretic methodologies**
Herme M. P., NEMUTLU E., Barbosa J., Barron D.
BIOMEDICAL CHROMATOGRAPHY, vol.25, no.5, pp.555-569, 2011 (SCI-Expanded)
- CXXIV. **A Quadruped Study on Chitosan Microspheres Containing Atorvastatin Calcium: Preparation, Characterization, Quantification and in-Vivo Application**
EROĞLU H., NEMUTLU E., TURKOĞLU O. F., NACAR O., BODUR E., SARGON M. F., BESKONAKLI E., ÖNER L.
CHEMICAL & PHARMACEUTICAL BULLETIN, vol.58, no.9, pp.1161-1167, 2010 (SCI-Expanded)
- CXXV. **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, no.2, pp.175-178, 2010 (SCI-Expanded)
- CXXVI. **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, no.6, pp.502-509, 2010 (SCI-Expanded)
- CXXVII. **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, no.3, pp.484-487, 2010 (SCI-Expanded)
- CXXVIII. **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 (SCI-Expanded)
- CXXIX. **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, no.1, pp.117-126, 2009 (SCI-Expanded)
- CXXX. **Improved determination of quinolones in milk at their MRL levels using LC-UV, LC-FD, LC-MS and LC-MS/MS and validation in line with regulation 2002/657/EC**
Heymo M. P., NEMUTLU E., Kir S., Barron D., Barbosa J.
ANALYTICA CHIMICA ACTA, vol.613, no.1, pp.98-107, 2008 (SCI-Expanded)
- CXXXI. **Validation of a rapid micellar electrokinetic capillary chromatographic method for the simultaneous determination of isoniazid and pyridoxine hydrochloride in pharmaceutical formulation**
NEMUTLU E., Celebier M., Uyar B., Altinoz S.
JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES, vol.854, pp.35-42, 2007 (SCI-Expanded)
- CXXXII. **Simultaneous separation and determination of seven Quinolones using HPLC: Analysis of Levofloxacin and moxifloxacin in plasma and amniotic fluid**
NEMUTLU E., Kir S., Oezyuencue O., Beksac M. S.
CHROMATOGRAPHIA, vol.66, 2007 (SCI-Expanded)
- CXXXIII. **Determination of sertaconazole in pharmaceutical preparations by capillary zone electrophoresis**
NEMUTLU E., Yardimci C., Ozaltin N.
ANALYTICA CHIMICA ACTA, vol.547, no.1, pp.83-88, 2005 (SCI-Expanded)
- CXXXIV. **Determination of lornoxicam in pharmaceutical preparations by zero and first order derivative UV spectrophotometric methods**
NEMUTLU E., Demircan S., Kir S.
PHARMAZIE, vol.60, no.6, pp.421-425, 2005 (SCI-Expanded)
- CXXXV. **Determination of rofecoxib, in the presence of its photodegradation product, in pharmaceutical preparations by micellar electrokinetic capillary chromatography**
NEMUTLU E., Ozaltin N., Altinoz S.
ANALYTICAL AND BIOANALYTICAL CHEMISTRY, vol.378, no.2, pp.504-509, 2004 (SCI-Expanded)
- CXXXVI. **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, no.2, pp.393-400, 2003 (SCI-Expanded)
- CXXXVII. **Application of micellar electrokinetic capillary chromatography for the determination of nifedipine and its degradation product in pharmaceutical preparations**
Ozaltin N., NEMUTLU E., YARDIMCI C., Suslu I.
ANALYTICAL LETTERS, vol.36, no.2, pp.371-387, 2003 (SCI-Expanded)
- CXXXVIII. **Polarographic behaviour of meloxicam and its determination in tablet preparations and spiked plasma**
ALTINOZ S., Nemutlu E., KIR S.
FARMACO, vol.57, no.6, pp.463-468, 2002 (SCI-Expanded)

Articles Published in Other Journals

- I. **Metabolomic Profiling and Biological Activities of Cell-Free Supernatants of Bacillus sp. Isolates: Antibacterial, Antibiofilm, and Anti-quorum Sensing Activities**
Yardimci G. B., Gonulalan E. M., Bozkurt N. B., NEMUTLU E., Kocak E., ERYILMAZ M.
EXPERIMED, 2024 (ESCI)
- II. **Green HPLC method for simultaneous determination of N-acetylcysteine and L-ascorbic acid in co-formulated pharmaceutical products**
Ozen G., NEMUTLU E.
JOURNAL OF RESEARCH IN PHARMACY, no.5, pp.1777-1790, 2024 (ESCI)
- III. **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)
- IV. **Comparative Metabolomic Profiles of Vascular Involvement in Behçet's Disease**
YÜCEL Ç., SERTOĞLU E., OMMA A., KOÇAK E., ERDOĞAN KABLAN S., ÖZGÜRTAŞ T., NEMUTLU E.
EUROPEAN JOURNAL OF RHEUMATOLOGY, vol.10, no.4, pp.130-135, 2023 (ESCI)
- V. **Metabolic Infrastructure of Pregnant Women with Fetuses Having Nervous System Abnormalities; Metabolomic Analysis**
REÇBER T., NEMUTLU E., AYDIN E., ÇAĞAN M., DÖNMEZ H. G., KIR S., BEKSAÇ M. S.
Cumhuriyet Science Journal, vol.44, no.2, pp.236-243, 2023 (Peer-Reviewed Journal)
- VI. **Metabolomic Studies in Girls With Central and Peripheral Precocious Puberty Merkezi ve Periferik Erken Ergenliği Olan Kız Çocuklarında Metabolomik Çalışmalar**
Ozyurt A. B., REÇBER T., NEMUTLU E., Bulus A. D., KIR S., GÜMÜŞEL B., ERKEKOĞLU Ü. P.
Fabad Journal of Pharmaceutical Sciences, vol.48, no.3, pp.523-538, 2023 (Scopus)
- VII. **APPLICATION OF PLACKETT-BURMAN DESIGN FOR DEVELOPMENT AND EVALUATION OF A BETAMETHASONE SUSPENSION FOR INJECTION FORMULATION BİR BETAMETAZON ENJEKSİYONLUK SÜSPANSİYON FORMÜLASYONUNUN GELİŞTİRİLMESİ VE DEĞERLENDİRİLMESİ İÇİN PLACKETT-BURMAN TASARIMININ UYGULANMASI**
YERLİKAYA F., Arslan A., Arabaci B., Gençer P., NEMUTLU E.
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.47, no.2, pp.477-489, 2023 (Scopus)
- VIII. **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)
- IX. **Metabolomics-driven approaches on interactions between enterococcus faecalis and candida albicans biofilms Enterococcus faecalis ve candida albicans biyofilmleri arasındaki etkileşimler üzerine metabolomik odaklı yaklaşımlar**
KART D., YABANOĞLU ÇİFTÇİ S., NEMUTLU E.
Turkish Journal of Pharmaceutical Sciences, vol.18, no.5, pp.557-564, 2021 (ESCI)
- X. **Screening the antimicrobial effect of ferrocene-boronic acid on Pseudomonas aeruginosa using proteomics and metabolomics approach**
Kocak E., Ozkul C., TAŞKOR ÖNEL G., NEMUTLU E., KIR S., SAĞIROĞLU M.
JOURNAL OF RESEARCH IN PHARMACY, vol.24, no.6, pp.812-820, 2020 (ESCI)
- XI. **İN VİTRO ACİNETOBACTER BAUMANİİ BİYOFİLTABAKASI OLAN VE OLMAYAN ENDOTRAKEALTÜP VE ISI NEM DEĞİŞTİRİCİ FİLTREDE İNHALERSALBUTAMOL İLAÇ BİRİKİM DÜZEYİNİN ÖLÇÜMÜ**
ÖCAL S., ÖZEN S., NEMUTLU E., KART D., EYLEM C., DEMİRKAN S. K., ORTAÇ ERSOY N. E., TOPELİ İSKİT A.
Yoğun Bakım Derg, 2018 (Peer-Reviewed Journal)
- XII. **Plesantasyon bozukluklarının oluşturduğu gebelik hipertansiyonu eklampsi ve preeklampsi vakalarının önlenmesi ve tedavisinde kullanılan ilaçlar**
SÜSLÜ İ., YARDIMCI C., BERRAK D., NEMUTLU E.
Klinik Bilimler & Doktor, vol.7, no.5, pp.712-719, 2001 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Proteolytic digestion methods for shotgun proteomics**
EYLEM C. C., NEMUTLU E.
in: Comprehensive Sampling and Sample Preparation, 2e, , Editor, Elsevier, pp.261-276, 2024
- II. **Liquid chromatography in proteomics research**
KOÇAK E., EYLEM C. C., NEMUTLU E.
in: Liquid Chromatography, Salvatore Fanali, Paul R. Haddad, Marja-Liisa Riekkola, Bezhan Chankvetadze, Colin F. Poole, Editor, Elsevier, pp.331-356, 2023
- III. **Fitoterapide Metabolomiks (Fitomiks) Çalışmalar ve Önemi**
Demirezer L. Ö., Gönülalan E. M., Nemutlu E.
in: Türkiye Klinikleri Geleneksel ve Tamamlayıcı Tıp Fitoterapi, Başaran Ahmet, Editor, Türkiye Klinikleri Yayınevi, Ankara, pp.68-74, 2022
- IV. **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 Past, Present, and the Future Prospects, Ozkan Sibel A.; Bakirhan Nurgul K.; Mollarasouli Fariba, Editor, Academic Press, pp.545-586, 2022
- V. **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
- VI. **Kromatografik Ayırma Teknikleri**
USLU B., SAĞIRLI A. O., SÜSLÜ İ., GÜNDEM 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. **Majistral Ürünler**
ÖZKAN Y., AYDIN A., BEŞİKCİ A. O., SAVAŞER A., KARATAŞ A., ARICA YEGİN B., USLU B., SEVER YILMAZ B., PALASKA E., SALTAN İŞCAN G., et al.
in: Türk Farmakopesi 2017-VI, Dr. ALİ ALKAN, ERAY KAPLAN, OĞUZHAN KOYUNCU, SELİN ERGÜN AYAN, Editor, SAĞLIK BAKANLIĞI, Ankara, pp.4485-4682, 2018
- VIII. **HILIC based LC/MS for metabolite analysis**
NEMUTLU E., KIR S.
in: Novel Developments in Pharmaceutical and Biomedical Analysis, , Editor, Bentham Science Publishers, pp.98-130, 2018
- IX. **18O-assisted 31P NMR and mass spectrometry for phosphometabolomic fingerprinting and metabolic monitoring**
NEMUTLU E., Song Z., Terzic A., Dzeja P.
in: Chemometric Metabolic Profiling: Disease and Xenobiotics, M. Grootveld, Editor, Royal Society of Chemistry, pp.255-286, 2015

Refereed Congress / Symposium Publications in Proceedings

- I. **Memantine Loaded Magnetic Micro/Nanomotors for the Treatment of Alzheimer's Disease**
TEZEL TEMEL G., ÖZTÜRK E., Ulutürk S., ÖZTÜRK S. C., REÇBER T., TİMUR S. S., NEMUTLU E., KURALAY F., ESENDAĞLI G., EROĞLU H.
21st International Pharmaceutical Technology Symposium, Ankara, Turkey, 09 September 2024
- II. **Exploring the interplay between gut microbiome, fecal metabolomics and ambulatory blood pressure in white-coat hypertensive patients**

ÖZBEK D. A., KOÇ N. S., nal N. e., ERDOĞAN KABLAN S., KAYGUSUZ Y., KARAHAN S., UYAROĞLU O. A., YILDIRIM T., Ergunay K., NEMUTLU E., et al.

61st Congress of European-Renal-Association (ERA), Stockholm, Sweden, 23 - 26 May 2024

- III. **A mechanistic evaluation of the differential response of SW480 and SW620 colon carcinoma cell lines to L-Glutamine Starvation**
GÜLEÇ TAŞKIRAN A. E., GÜDERER İ., EYLEM C. C., NEMUTLU E., BANERJEE S.
EACR Signaling Circuits, 13 February 2024
- IV. **Impact of Distinct Bacterial Populations on Brain Organoid Phenotype**
DERKUŞ B., IŞIK M., EYLEM C. C., EMREGÜL E., NEMUTLU E.
5th Eurasia Biochemical Approaches & Technologies Congress (EBAT5), Antalya, Turkey, 2 - 05 November 2023, pp.70
- V. **Cardiopulmonary Bypass and Hypothermia-Induced Alterations in Plasma Metabolome Profile in Adult Cardiac Surgery**
Durmaz O., EYLEM C. C., NEMUTLU E., EMREGÜL E., ÖZÇINAR E., DAĞ O., KAVAKCI M.
5th Eurasia Biochemical Approaches & Technologies Congress (EBAT 5), Antalya, Turkey, 02 November 2023, pp.88
- VI. **On-chip platform for derivation of ocular cells from hiPSCs**
Kocak G., Uyulgan S., Polatli E., Sari V., Kahveci B., Bursali A., REÇBER T., NEMUTLU E., Mardinoglu A., Karakulah G., et al.
Meeting of the European-Chapter of the Tissue-Engineering-and-Regenerative-Medicine-International-Society (TERMIS), Manchester, England, 28 - 31 March 2023
- VII. **Pharmacometabolomics: The Bioavailability of Levetiracetam**
Zeki Ö. C., EYLEM C. C., ILGAZ F., TİMUR S. S., EROĞLU ERDEM Ç., EROĞLU H., GÖKMEN ÖZEL H., NEMUTLU E.
ASPAC 2022-11th Annual Symposium on Physical and Analytical Chemistry, Tiflis, Georgia, 08 December 2022
- VIII. **High Throughput Extraction Strategies for Cell Culture Medium-Based Untargeted Exometabolomics Studies**
NEMUTLU E., REÇBER T., EYLEM C. C., ERDOĞAN KABLAN S., Özesen S., DERKUŞ B., BOYACI E., KIR S.
2nd European Sample Preparation Conference (EuSP2022), Turkey, 14 - 16 March 2022
- IX. **POSSIBLE EFFECT OF CHELATION TREATMENT ON METABOLOMIC AND LIPIDOMIC ANALYSIS IN LEAD EXPOSURE**
Çetin T., samadi a., REÇBER T., eser b., YALÇINKAYA A., ER ÖZTAŞ Y., NEMUTLU E., LAY İ., SABUNCUOĞLU S.
13th International Symposium on Pharmaceutical Sciences (ISOPS), Turkey, 22 - 25 June 2021
- X. **Olanzapine induced hepatotoxicity is investigated by individual susceptibility and metabolomics**
Karahalil B., Elkama A., Ak M., Nemutlu E., Ilik N.
55th Congress of the European-Societies-of-Toxicology (EUROTOX) - Toxicology - Science Providing Solutions, Helsinki, Finland, 8 - 11 September 2019, vol.314
- XI. **Cryogel-based phosphate imprinted column for phospho-amino acid preconcentration during proteomic analysis**
ARMUTCU ÇORMAN C., TARTAN Ç., ÖZGÜR E., NEMUTLU E., UZUN L.
26th Assembly of Advanced Materials Congress, Sweden, 10 - 13 June 2019
- XII. **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
- XIII. **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
- XIV. **Metabolic Infrastructure of Pregnant Women with Down Syndrome**
NEMUTLU E., ÖRGÜL G., Recber T., Aydın E., Özkan E., Turğal M., ALİKAŞIFOĞLU M., KIR S., BEKSAÇ M. S.
Seventh Congress of the South East European Society of Perinatal Medicine, 10 May 2018 - 12 January 2019
- XV. **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

- XVI. **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
- XVII. **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
- XVIII. **Mezenkimal Kök Hücreler Endokannabinoidler Aracılığı ile Hematopoietik Kök Hücre Mobilizasyonunu Düzenlemektedir**
KÖSE S., KÖPRÜ Ç. Z., KARAOSMANOĞLU B., TAŞKIRAN Z. E., AERTS KAYA F. S. F., NEMUTLU E., ÇETİNKAYA F. D., KORKUSUZ P.
Elektron Mikroskopu Kongresi, Turkey, 24 - 26 April 2019
- XIX. **METABOLITE PROFILES OF CANDIDA ALBICANS SESSILE CELLS IN MONO AND MULTISPECIES BIOFILM MODELS**
KART D., NEMUTLU E.
10th Balkan Congress of Microbiology, 16 - 18 November 2017
- XX. **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
- XXI. **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.
Intenational Multidisciplinary Symposium on Drug Research and Development (DRD), 5 - 07 October 2017
- XXII. **Drug delivery for neuroprotection: Opportunities and challenges**
EROĞLU H., TÜRKOĞLU Ö. F., SARGON M. F., HAİDAR M. K., DEMİRBOLAT G. M., ÖZTÜRK Ş., BAYRAM C., NEMUTLU E., ULUBAYRAM K., ÇAKIR AKTAŞ C., et al.
3rd International Multidisciplinary Symposium on Drug Research and Development, 5 - 07 October 2017
- XXIII. **GC-MS Based Metabolomic Profile of Caco 2 Cell Lines**
özen G., BAYSAL İ., Eylem C. C., YABANOĞLU ÇİFTÇİ S., KIR S., NEMUTLU E.
3 rd International Multidisciplinary Symposium on Drug Research and Development - DRD 2017, 5 - 07 October 2017
- XXIV. **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.
Intenational Multidisciplinary Symposium on Drug Research and Development (DRD), 5 - 07 October 2017
- XXV. **Normalization Effects on the Repeatability of Long Term GC-MS Metabolomic Analysis**
Özen G., REÇBER T., Eylem C. C., KIR S., NEMUTLU E.
Intenational Multidisciplinary Symposium on Drug Research and Development (DRD), 5 - 07 October 2017
- XXVI. **Serum alpha-GST activity as an alternative biomarker in olanzapine induced hepatotoxicity under the impact of genetic polymorphism of GSTs**
ELKAMA A., AK M., NEMUTLU E., İLİK N., KARAHALİL B.
53rd Congress of the European-Societies-of-Toxicology (EUROTOX), Bratislava, Slovakia, 10 - 13 September 2017, vol.280
- XXVII. **Formulation of atorvastatin calcium loaded chitosan nanoparticles by nano-spray drying method for sustained drug delivery**
HAİDAR M. K., DEMİRBOLAT G. M., NEMUTLU E., ULUBAYRAM K., ÖNER L., EROĞLU H.
3rd International Congress of the Greek Local Chapter of the Controlled Release Society, 19 - 20 June 2017
- XXVIII. **Drug delivery applications for neuroprotection: Nanoparticles, nanofibers, microparticles**
EROĞLU H., TÜRKOĞLU Ö. F., SARGON M. F., HAİDAR M. K., DEMİRBOLAT G. M., ÖZTÜRK Ş., BAYRAM C., NEMUTLU E., ULUBAYRAM K., ÖNER L.

3rd International Congress of the Greek Local Chapter of the Controlled Release Society, 19 - 20 June 2017

- XXIX. **Quality control of valerian products by HPLC fingerprint analysis**
Gonulalan E. M., NEMUTLU E., Demirezer L. O.
9th Joint Meeting of AFERP, ASP, GA, JSP, PSE and SIF, Copenhagen, Denmark, 24 - 27 July 2016, vol.82
- XXX. **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
- XXXI. **Mesenchymal stem cells regulate the hematopoietic stem cell mobilization through the endocannabinoids**
KOSE S., KOPRU Z. C., KARAOSMANOĞLU B., Taskiran E. Z., Kaya F. A., NEMUTLU E., ALTUN B., Uckan F. D., KORKUSUZ P.
Conference on Changing the Face of Modern Medicine - Stem Cells and Gene Therapy, Florence, Italy, 18 - 21 October 2016, vol.27
- XXXII. **Mesenchymal stem cells regulate the hematopoietic stem cell mobilization through the endocannabinoids.**
KÖSE S., KÖPRÜ Ç. Z., KARAOSMANOĞLU B., Taşkıran E. Z., AERTS KAYA F. S. F., NEMUTLU E., Altun B., ÇETİNKAYA F. D., KORKUSUZ P.
ESGCT annual meeting 2016, 18 - 21 October 2016, vol.27, pp.1-185
- XXXIII. **Nano Perspectives for Neuroregeneration**
EROĞLU H., GAUDİN A., LEPETRE MOUËLHİ S., TÜRKOĞLU Ö. F., SARGON M. F., COUVREUR P., HAİDAR M. K., NEMUTLU E., ULUBAYRAM K., ÖNER L.
18th International Pharmaceutical Technology Symposium, 18 - 21 September 2016
- XXXIV. **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
- XXXV. **GC MS Temelli Metabolomik Profillemeye 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
- XXXVI. **Mezenkimal Kök Hücreler Hematopoetik Kök Hücrelerin mobilizasyonunu Endokannabinoidler aracılığı ile düzenlemektedir.**
KÖSE S., KÖPRÜ Ç. Z., KARAOSMANOĞLU B., TAŞKIRAN Z. E., AERTS KAYA F. S. F., NEMUTLU E., ÇETİNKAYA F. D., KORKUSUZ P.
XIII. Ulusal Histol ve Embriyol Kongresi, İzmir, Turkey, 30 April - 03 May 2016, pp.89-90
- XXXVII. **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
- XXXVIII. **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
- XXXIX. **Endocannabinoids And Their Receptors Are Located On Human Bone Marrow Niche Mesenchymal Stem And Hematopoietic Progenitor Cells**
KÖSE S., AERTS KAYA F. S. F., AKAR İ., NEMUTLU E., KOCAEFE Y. Ç., ÇETİNKAYA F. D., KORKUSUZ P.
ISSCR annual meeting 2015, 24 - 27 June 2015
- XL. **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
- XLI. **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

- XLII. **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
- XLIII. **DRUG DELIVERY IN BRAIN AND SPINAL CORD TRAUMA MODEL**
EROĞLU H., NEMUTLU E., Gurcan O., Nacar O. A., Turkoglu O. F., BODUR E., Sargon M. F., ÖNER L.
4th BBBB-Bled International Conference on Pharmaceutical Sciences - New Trends in Drug Discovery, Delivery Systems and Laboratory Diagnostics, Bled, Slovenia, 29 September - 01 October 2011, vol.44, pp.16
- XLIV. **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
- XLV. **Quantitative analysis of isoflavones in 11 Trifolium spec. from Turkish flora and in some commercially available Trifolium products**
Gurhan G., Yalcin F., NEMUTLU E., Ina H., Ersoz T., Calis I.
7th Tannin Conference/58th International Congress and Annual Meeting of the Society-for-Medicinal-Plant-and-Natural-Product-Research, Berlin, Germany, 29 August - 02 September 2010, vol.76, pp.1335
- XLVI. **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
- XLVII. **Determination of some Fluoroquinolone Antibiotics in Staphylococcus aureus Clinical Isolates By HPLC Fluorescence Method**
NEMUTLU E., EKİZOĞLU M., Öztürk D., ÖZALP M., KIR S.
9th International Symposium on Pharmaceutical Sciences (ISOPS), 23 - 26 June 2009
- XLVIII. **Lisansüstü Eğitimde Öğrenci Temsilci Konseylerinin Yeri**
NEMUTLU E., DENİZ SUNGUR D., BENCİK KANGAL S., ÖKSÜZ Ç., Günebak Ç. T., EREK KAZAN E., SAÇLI UZUNÖZ F., KARABULUT İ., ORER S. H., Demirel F., et al.
Mezuniyet Sonrası Tıp Eğitimi Sempozyumu, Turkey, 4 - 05 May 2007

Episodes in the Encyclopedia

I. Türk Farmakopesi 2017

USLU B., NEMUTLU E., ŞENER E., KARADENİZ H., ÇELİK H., ŞATANA KARA H. E., ÇELEBİER M., CAN N. Ö., ÜSTÜNDAĞ Ö., BÜYÜKTUNCEL S. E., et al.

T.C. Sağlık Bakanlığı İlaç ve Tıbbi Cihaz Kurumu, pp., 2017

Supported Projects

ÇETİNKAYA F. D., NEMUTLU E., ALPDÜNDAR BULUT E., ÜNAL CANGÜL Ş., AYTAÇ EYÜPOĞLU Ş. S., OKUR F. V., ÖZÇİMEN B., ÖZDEMİR SAKA C., Project Supported by Higher Education Institutions, Hemofagositik bozuklukların modellenmesine yönelik hücre kalitearşiv sistemi oluşturulması ve uyarılmış pluripotent kök hücre geliştirilmesinde metabolik düzenleme ile süreç optimizasyonu 321S542 numaralı TÜBİTAK projesi ek bütçe, 2024 - Continues

GÜRSOY R. N., NEMUTLU E., TİMUR S. S., AĞCA A., Mucaj S., Project Supported by Higher Education Institutions, Alfa Sinüklein Agregatlarını İnhibe Edici Etki Gösteren Peptitlerin Etkinliklerinin Karşılaştırılmaları, Formülasyon ve Permeabilite Çalışmaları, 2024 - Continues

AKSU T., ALPDÜNDAR BULUT E., ORAL N., MURATOĞLU B., NEMUTLU E., EYLEM C. C., ÇETİNKAYA F. D., REÇBER T., Project Supported by Higher Education Institutions, Granülosit Koloni Uyarıcı Faktörün Hücre Mobilizasyonundaki

Rolünü Lipolitik Etkisini Aydınlatmak için Kemik İliğinde Metabolom ve Aday Bir Enzim Olarak Fosfolipaz C Beta 2 Değerlendirmesi, 2024 - Continues

ER ÖZTAŞ Y., NEMUTLU E., ÜNAL CANGÜL Ş., ÖZ E., Dönmez N., Project Supported by Higher Education Institutions, Hereditör Hemolitik Anemilerde Eritrosit ve Plazma Lipidomu, 2024 - Continues

GÜRSOY R. N., SİLİNDİR GÜNAY M., TİMUR S. S., Kılınboz Y. F., NEMUTLU E., Project Supported by Higher Education Institutions, Kolşisinin Yeniden Konumlandırılması Melanom Tedavisinde Kullanılmak Üzere Kolşisinin Nanoformülasyonlarının Geliştirilmesi, 2024 - Continues

TEL B. C., Akgüner B. N., YALÇIN ÇAKMAKLI G., NEMUTLU E., Akyel H., Project Supported by Higher Education Institutions, Alfa-Sinüklein Fibrilleri ile Oluşturulan Parkinson Hastalığı Sıçan Modelinde Tauroursodeoksikolik Asidin Endoplazmik Retikulum Stres Mekanizmalarına ve LRRK2'nin Kinaz Aktivitesine Etkisi, 2024 - Continues

ESENDAĞLI G., NEMUTLU E., TAŞKIRAN Z. E., Ulusoy S., Project Supported by Higher Education Institutions, Kansere hücrenin aşırı çoğalmasının yarattığı stres altında yardımcı T hücre yorulmasının incelenmesi, 2023 - Continues

KORKUSUZ P., NEMUTLU E., Boyacıoğlu Ö., EROĞLU İ., Project Supported by Higher Education Institutions, Doğal öldürücü hücre eksozomu ve lipozom temelli ACPA ilaç salım sistemlerinin küçük hücreli dışı akciğer kanserindeki etkinliğinin karşılaştırmalı olarak değerlendirilmesi (122S459 Numaralı TÜBİTAK 1001 Projesine Ek Bütçe Desteği), 2023 - Continues

BÜYÜKTUNCER DEMİREL Z., NEMUTLU E., Kıyıcı E., Project Supported by Higher Education Institutions, Karabugday Eklenerek Hazırlanan Bitkisel ve Hayvansal Probiyotik Yogurtların Fizikokimyasal ve Mikrobiyolojik Özelliklerinin İncelenmesi, 2023 - Continues

GÜRSOY R. N., İSKİT A. B., EROĞLU H., NEMUTLU E., TİMUR S. S., ÖZÇUBUKÇU S., Muçaj S., AĞCA A., Project Supported by Higher Education Institutions, Parkinson Hastalığı'nın Tedavisinde Kullanılmak Üzere Alfa-Sinüklein Agregasyonunu İnhibe Edici Peptit ve Rotigotin İçeren Transdermal Mikroiğneli Yama Sistemi Geliştirilmesi, 2023 - Continues

ÖZALTIN F., YABANOĞLU ÇİFTÇİ S., NEMUTLU E., Önen S., KORKUSUZ P., AKYOL A., Project Supported by Higher Education Institutions, Tsen2 nakavt fare modeli oluşturulması derin fenotipleme ve endotel hücre fonksiyonlarının değerlendirilmesi, 2022 - Continues

ÇANKAYA İ. İ., UÇAR G., NİĞİZ Ş., GÜLPINAR A. R., DURKAYA K., BOZKURT BAKAL S., KAYAALP K., ASLAN ERDEM S., MELEK İ., SABUNCUOĞLU S., et al., Project Supported by Higher Education Institutions, Türkiyede yaygın olarak yetişen Achillea millefolium L bitkisinden premenstrual semptomların giderilmesinde kullanılmak üzere geleneksel bitkisel tıbbi ürün geliştirilmesi, 2022 - Continues

Demirel A. H., Akın Ş., Onbaşlar İ., Korkusuz P., Nemutlu E., TUBİTAK Project, BGP-15'in dayanıklılık performansına ve kullanılmaya bağlı iskelet kası atrofisi üzerine etkisi, 2023 - 2025

Korkusuz P., Eroğlu İ., Nemutlu E., Sütlü T., TUBİTAK Project, Doğal Öldürücü Hücre Eksozomu ve Lipozom Temelli ACPA İlaç Salım Sistemlerinin Küçük Hücreli Dışı Akciğer Kanserindeki Etkinliğinin Karşılaştırmalı Olarak Değerlendirilmesi, 2023 - 2025

NEMUTLU E., REÇBER T., YABANOĞLU ÇİFTÇİ S., BAYSAL İ., Project Supported by Higher Education Institutions, Kansere hücre hatlarında kiralomiks çalışmalar Kiral metabolit ve lipitlerin iki modüllü sabit faz kolonlar ile sıvı kromatografisikütle spektrometresi ile analizleri (120Z600 nolu TUBİTAK 1001 projesine ek bütçe desteği), 2023 - 2024

KORKUSUZ P., BİLENSOY E., NEMUTLU E., VARAN C., Project Supported by Higher Education Institutions, Küçük hücreli dışı akciğer kanseri tedavisi için kontrollü ACPA ilaç taşıyıcı sistem temelli teknoloji platformu geliştirilmesi (321S058 Numaralı TÜBİTAK 1005 Projesine Ek Bütçe Desteği), 2023 - 2024

ARIHAN O., NEMUTLU E., REÇBER T., DAĞLI GÜL A. Ş., ABBAK N., Project Supported by Higher Education Institutions, Sıçanlarda Kadmiyum Maruziyetinde Oluşan Davranışsal Biyokimyasal ve Metabolik Parametreler Üzerinde Karvakrolün Koruyucu Etkisinin Araştırılması, 2023 - 2024

ÇAĞDAŞ AYVAZ D. N., TEZCAN F. İ., ESENBOĞA S., ÖZKUL KOÇAK C., NEMUTLU E., Project Supported by Higher Education Institutions, Fagosit Sistem Hastalıklarında Fonksiyonel Mikrobiyotanın Karakterizasyonu ve Metabolik Çalışmalar (220S123 no'lu TUBİTAK 1001 projesine ek bütçe desteği), 2022 - 2024

AKDAĞ ÇAYLI Y., GÜLSÜN İNAL T., NEMUTLU E., ÖNER L., ŞAHİN S., ÖZTÜRK S. C., Geyik Z. M., Bebek G., Project Supported by Higher Education Institutions, Küçük hücreli dışı akciğer kanseri tedavisinde endüstriye uygulanabilir yüksek teknoloji ürünü nanoteknolojik tümöre hedeflendirilmiş kuru toz inhaler formülasyonu geliştirilmesi invitro ve invivo değerlendirilmesi (120S895 numaralı projeye ek bütçe desteği), 2022 - 2024

HAZIROLAN G., NEMUTLU E., NİĞİZ Ş., ÖZKUL KOÇAK C., Project Supported by Higher Education Institutions, Klebsiella

pneumoniae kan izolatlarında karbapenem direncinin ve virülansın fenotipik genomik ve metabolomik yaklaşımlarla araştırılması, 2022 - 2024

ÖZÇİMEN BATMAN B., ÇETİNKAYA F. D., OKUR F. V., KURT C. E., NEMUTLU E., Project Supported by Higher Education Institutions, Amyotrofik Lateral Skleroz Uyarılmış Plüripotent Kök Hücrelerinin Oksidatif Stres Durumunda Metabolomik Profillenmesi, 2022 - 2024

TURAN DEMİRCİ B., BÜYÜKTUNCER DEMİREL Z., NEMUTLU E., TÜBİTAK Project, Pseudo-Tahıl Unlarıyla Hazırlanan Kurabiyelere Eklenen Bitki Özütlerinin İleri Glikasyon Son Ürünleri (AGE) Oluşumuna Etkisi, 2022 - 2023

KORKUSUZ P., BİLENSOY E., NEMUTLU E., VARAN C., KILIÇ N., KARAKOÇ E., TÜBİTAK Project, Küçük hücreli dışı akciğer kanseri tedavisi için kontrollü ACPA ilaç taşıyıcı sistem temelli teknoloji platformu geliştirilmesi, 2022 - 2023

NEMUTLU E., KIR S., REÇBER T., ÖZKAN S. A., TÜBİTAK Project, Mikroçip Elektroforez Teknolojisine Dayalı Poc Kullanarak Invaziv Olmayan Bir Tanı Prosedürü Geliştirmek İçin Astımlı ve Koah Hastalarının Nefes Kondensat Örneklerinde (EBC) Metabolomik Profili ile Yeni Biyobelirteçlerin Belirlenmesi, 2021 - 2023

YALÇIN S. S., NEMUTLU E., ERKEKOĞLU Ü. P., BALCI ÖZYURT A., GİRGİN G., BAYDAR T., YİRÜN A., TEZOL Ö., OKUYAZ Ç., Project Supported by Higher Education Institutions, Serebral Palsili Çocuklarda Folat Yolağı Parametrelerinin Plazma D Vitamini ve D Vitamini Taşıyıcısı Düzeylerinin Araştırılması ve Metabolomik Analizler, 2021 - 2023

ÜNAL S., ÇALIŞKAN Z., ERKEKOĞLU Ü. P., NEMUTLU E., VARAN G., AYDIN S., AKIN L., Project Supported by Higher Education Institutions, Yerli Aşı Çalışmaları Mükemmeliyet Merkezi, 2021 - 2023

YABANOĞLU D., TAYLAN ŞEKEROĞLU H., NEMUTLU E., YABANOĞLU ÇİFTÇİ S., BAYSAL İ., ŞEKERLER C., Project Supported by Higher Education Institutions, OPERE KONJENİTAL KATARAKT HASTALARINDA METABOLİK PROFİLİN ERKEN VE GEÇ DÖNEM KOMPLİKASYONLARINA ETKİSİNİN ARAŞTIRILMASI, 2021 - 2023

BOZKURT T. E., DİKMEN Z. G., ÖZCAN A., DİKMEN E., ÇELTİKÇİ B., BÜBER E., NEMUTLU E., ÖNDER S. Ç., ŞAHAN Ö. B., KARAMAN Y., et al., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), İdiyopatik Pulmoner Fibrozis İçin Yeni Tedavi Yöntemlerinin Geliştirilmesi, 2021 - 2023

BAŞCI AKDUMAN N. E., ÖKTEN A. İ., DOĞAN A., EYLEM C. C., GEZERCAN Y., NEMUTLU E., YET İ., ALTINTAŞ S., AÇIK V., Project Supported by Higher Education Institutions, Glioblastoma multiforme, menenjiyom (birincil) ve metastaz (ikincil) beyin tümörlerine ait fenotiplerin belirlenmesinde kullanılacak bütünleşik omiks analizler için analitik yöntem geliştirilmesi ve uygulanması, 2020 - 2023

KORKUSUZ P., YERSAL N., ÖNEN S., DALDAL O. E., GİZER M., NEMUTLU E., Project Supported by Higher Education Institutions, Asılı Damla ve Hava Sıvı İnterfaz Tekniğiyle Tasarlanmış Fare Epididimal Beyaz Yağ Dokusu Testis Kokültür Sistemlerinin İn Vitro Spermatogenez Açısından Karşılaştırılması, 2021 - 2022

BALABAN H. Y., ŞAHİN T., HUSEYİNOVA S., AKSOY Y., COŞKUN T., KARÇAALTINCABA M., NEMUTLU E., DAĞ O., KIZIL M., Project Supported by Higher Education Institutions, NAFLD Hastalarında Karaciğer Hastalığının Evresi ile Serum Dallı Zincirli Amino asitler ve Fruktoz Düzeyi Arasındaki İlişkinin İncelenmesi, 2020 - 2022

KIR S., NEMUTLU E., KUŞ A., ÖZKAN E., Project Supported by Higher Education Institutions, Preeklampsi Hastalığının Erken Tanısına Yönelik Hedeflenmiş Metabolomik Çalışmalar İçin GCMS Yöntemi Geliştirilmesi, 2020 - 2022

NEMUTLU E., KOCABEYOĞLU S. S., YILMAZ A., KERVAN Ü., ERDOĞAN KABLAN S., ÖZALTIN N., Project Supported by Higher Education Institutions, Kardiyopulmoner bypass sonrası gelişen akut böbrek yetmezliğinin erken tanısı için omiks yaklaşımlar ve elektroanalitik çalışmalar, 2019 - 2022

İNAL İNCE D., ÇÖPLÜ L., NEMUTLU E., YABANOĞLU ÇİFTÇİ S., ÇAKMAK A., Project Supported by Higher Education Institutions, Kronik obstrüktif akciğer hastalarında egzersize olan oksidatif stres inflamatuvar belirteçler ve metabolomiklerin yanıtları, 2019 - 2022

YAZICI G., YABANOĞLU ÇİFTÇİ S., NEMUTLU E., ELMALI A., Project Supported by Higher Education Institutions, Vitröz Humorde radyoterapi ile indüklenen değişiklikler, 2019 - 2021

ÖZALTIN F., TOPALOĞLU R., EROĞLU İ., NEMUTLU E., ÖZBAY H. S., YABANOĞLU ÇİFTÇİ S., Project Supported by Higher Education Institutions, CoQ10 Nefropatisinde Koenzim Q10 İçerikli Nanoterapötiklerin Tedavi Etkiliğinin Araştırılması ve İn Vitro Modelde Mitokondriyal Fonksiyonlarının Karşılaştırılması, 2018 - 2021

KORKUSUZ P., BOYACIOĞLU Ö., BİLGİÇ E., BİLENSOY E., NEMUTLU E., VARAN C., Project Supported by Higher Education Institutions, Kontrollü ACPA salım sisteminin endometriyum kanserindeki CB1 reseptörü aracılı antiproliferatif ve apoptotik etkisinin araştırılması, 2018 - 2020

ÇETİNKAYA F. D., KARAAĞAÇ AKYOL T., ÖZCEBE O. İ., NEMUTLU E., AERTS KAYA F. S. F., Project Supported by Higher Education Institutions, MEZENKİMAL KÖK HÜCRE ÜRETİMİNDE in vitro TEMELLİ METABOLOMİK VE ANALİZLER, 2018 -

2020

GÖKMEN ÖZEL H., ILGAZ F., EROĞLU H., NEMUTLU E., Project Supported by Higher Education Institutions, Disfaji Diyetinde Kullanılan Zantan Gamı ve Modifiye Mısır Nişastasının in vivo İlaç Salımı Üzerindeki Etkileri, 2018 - 2020

BOZKURT T. E., ÖNDER S. Ç., NEMUTLU E., KAYA YAŞAR Y., Karaman Y., ERDEMLİ İ., Project Supported by Higher Education Institutions, Farelerde lipopolisakkarit ile indüklenen solunum yolu inflamasyonunda asimetrik dimetil arjinin (ADMA)'nın rolünün ve in vivo hidrojen sülfür tedavisinin etkilerinin araştırılması, 2017 - 2020

BOZKURT T. E., Abomalaka R., ERDEMLİ İ., ÖNDER S. Ç., NEMUTLU E., Project Supported by Higher Education Institutions, Yağ asidi amid hidrolaz (FAAH) ve monoasil gliserol lipaz (MAGL) inhibitörlerinin farede deneysel solunum yolu inflamasyonu üzerindeki etkileri, 2017 - 2019

NEMUTLU E., TUBITAK Project, Oksijen18 İşaretleme Dayalı Yolak Analizleri İçin Analitik Yöntemlerin Geliştirilmesi ve Bu Yöntemlerle Caco-2 İnsan Kolon Adenokarsinom Hücrelerinde Kematerapötiklere Karşı Gelişen Direncin Araştırılması, 2017 - 2019

KART D., NEMUTLU E., Project Supported by Higher Education Institutions, Mono ve PoliBiyofilm Modellerinde Candida albicans Hücrelerinin Metabolit Profili, 2017 - 2018

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

DEMİRKAN S. K., TOPELİ İSKİT A., NEMUTLU E., ORTAÇ ERSOY N. E., ECEMİŞ S., ÜNAL S., Project Supported by Higher Education Institutions, Yoğun Bakım Ünitelerinde Kolistin Kan Düzeyi İzlemi ve Değerlendirilmesi, 2017 - 2018

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

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 (HÜNİKAL) Akreditasyonu Projesi, 2015 - 2016

NEMUTLU E., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, İlaç ve Kozmetik araştırma Geliştirme ve Kalite Kontrol Laboratuvarının Kurulması, 2014 - 2015

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