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Personal Information

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Education Information

Doctorate, Università Degli Studi "G. D'annunzio, Chieti, Department of Pharmacy, Pharmaceutical and Biomolecular science, Italy 2013 - 2017

Doctorate, Ataturk University, Fen Fakültesi, Biyoloji, Turkey 2004 - 2007

Certificates, Courses and Trainings

Health&Medicine, MICROARRAY ANALYSIS, MACROGEN, 2016

Dissertations

Doctorate, NOVEL GLYCINE-PROLINE-GLUTAMATE TRIPEPTIDEDERIVATIVES AND HISTIDYL-PROLINE DIKETOPIPERAZINEISOMERS FOR TREATMENT OF ALZHEIMER'S DISEASE, Università Degli Studi "G. D'annunzio, Chieti, 2017

Doctorate, Bazı bor bileşiklerinin in vitro şartlarda periferel insan kanı üzerine genetik ve biyokimyasal etkileri, Ataturk University, 2007

Research Areas

Medicine, Biochemistry, Bioinformatics, Molecular Biology and Genetics, Neurobiology, Health Sciences

Academic Titles / Tasks

Professor, Ataturk University, Tıp Fakültesi, Temel Tıp Bilimleri, 2020 - Continues

Professor, Erzurum Technical University, Faculty Of Science, Department Of Molecular Biology And Genetics, 2016 - 2020

Academic and Administrative Experience

Head of Department, Ataturk University, Tıp Fakültesi, Temel Tıp Bilimleri, 2020 - Continues

Head of Department, Erzurum Technical University, Faculty Of Science, Department Of Molecular Biology And Genetics, 2015 - 2020
Director of The Institution, Erzurum Technical University, Institute Of Science, 2013 - 2016
Head of Department, Erzurum Technical University, Faculty Of Science, Department Of Molecular Biology And Genetics, 2012 - 2016
Vice Dean, Erzurum Technical University, Faculty Of Science, 2012 - 2015

Advising Theses

Türkez H., İminodiasetik asidin In vitro ve In vivo anti-alzheimer potansiyelinin değerlendirilmesi, Postgraduate, T.GEZMİŞ(Student), 2019
Türkez H., Deneysel Parkinson modelinde bor nitrür nanopartiküllerinin nöroprotektif etkilerinin değerlendirilmesi, Postgraduate, R.KÜÇÜKDOĞRU(Student), 2019
Türkez H., Sarkozin'in In vitro ve In vivo nöroprotektif etkilerinin değerlendirilmesi, Postgraduate, A.TANAS(Student), 2019
Türkez H., Bor nitrür nanopartiküllerinin in vitro koşullarda beta amiloid (A β) toksisitesi üzerine etkilerinin incelenmesi, Doctorate, N.AYDIN(Student), 2019
Türkez H., Çinko oksit tarafından uyarılan nanotoksositeye karşı bazı bor bileşiklerinin koruyucu rollerinin araştırılması, Doctorate, K.ÇELİK(Student), 2018
Türkez H., Serin diyet uygulamalarının deneysel Alzheimer modelinde nöroprotektif etkilerinin değerlendirilmesi, Doctorate, Ö.ÖZDEMİR(Student), 2018
Türkez H., İn vitro alzheimer modelinde farklı seskiterpenlerin nöron koruyucu etkilerinin değerlendirilmesi, Doctorate, M.ENES(Student), 2017
Türkez H., Yeni non-steroid anti-inflamatuar ilaç türevlerinin sentezi, karakterizasyonu ve insan glioblastoma hattında anti-kanser potansiyellerinin değerlendirilmesi, Postgraduate, Ö.ÖZDEMİR(Student), 2015
Türkez H., İnsan primer alveolar epitel ve tam kan hücre kültürlerinde telleryum dioksit'in nanotoksosite potansiyelinin araştırılması, Postgraduate, N.AYDIN(Student), 2015
Türkez H., Karvakrol türevlerinin glioblastoma tedavisinde kullanım potansiyellerinin değerlendirilmesi, Postgraduate, A.ÖZDEMİR(Student), 2015
Türkez H., Monosiklik ve bisiklik monoterpen uygulamasının deneysel beyin tümör modeli üzerine potansiyel etkilerinin in vitro yöntemlerle araştırılması, Doctorate, E.AYDIN(Student), 2013
Türkez H., Sağlıklı nöron ve N2a nöroblastom hücre kültürleri üzerine farnesen, zingiberen, gayazulen, kopaen ve siklosativen seskiterpenlerinin sitolojik, biyokimyasal ve genetik etkileri, Doctorate, B.TOĞAR(Student), 2013
Türkez H., Difraktaik asitin insan lenfosit kültürlerinde sitogenetik ve oksidatif etkilerinin araştırılması etkilerinin araştırılması, Postgraduate, L.DEMİR(Student), 2013
Türkez H., Usnik asit bileşiğinin in vitro koşullarda risk değerlendirmesi, Postgraduate, Z.POLAT(Student), 2013
Türkez H., Biyomedikal teknolojilerde kullanım potansiyeli olan bazı nanomateryallerin in vitro biyoyumluluklarının araştırılması, Doctorate, G.BUĞRA(Student), 2013
Türkez H., Wintergreen yağının antitümorojenik ve sitotoksik etkilerinin araştırılması, Postgraduate, K.ÇELİK(Student), 2012
Türkez H., Erzurum ve Artvin illerinde tespit edilen bazı liken türlerinin sitogenetik ve oksidatif etkilerinin araştırılması, Postgraduate, E.AYDIN(Student), 2011
Türkez H., İn vitro şartlarda kadmiyumun oluşturduğu genetik ve oksidatif hasara karşı Dermatocarpon intestiniforme (liken) ekstraktının etkisi, Postgraduate, A.GÜNER(Student), 2011
Türkez H., Bazı atipik antipsikotik ilaçların gentoksik etki potansiyellerinin tek hücre jel elektroforez ve mikroçekirdek yöntemleriyle araştırılması, Postgraduate, B.TOĞAR(Student), 2010

Jury Memberships

Associate Professor Exam, Associate Professor Exam, Ataturk University, September, 2021

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Ataturk University, May, 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Multi-omics analysis reveals the key factors involved in the severity of the Alzheimer's disease**
Meng L., Jin H., Yulug B., Altay O., Li X., HANOĞLU L., Cankaya S., Coskun E., Idil E., Nogaylar R., et al.
Alzheimer's Research and Therapy, vol.16, no.1, 2024 (SCI-Expanded)
- II. **Novel tetrahydronaphthalen-1-yl-phenethyl ureas: synthesis and dual antibacterial-anticancer activities**
AKBABA Y., KACI F. N., ARSLAN M. E., GÖKSU S., Mardinoglu A., TÜRKEZ H.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.39, no.1, pp.2286925-0, 2024 (SCI-Expanded)
- III. **Boric Acid and Borax Protect Human Lymphocytes from Oxidative Stress and Genotoxicity Induced by 3-Monochloropropane-1,2-diol**
Türkez H., Tozlu O. O., Arslan M. E., Baba C., Saracoglu M. M., Yıldız E., Tatar A., Mardinoglu A.
Biological Trace Element Research, vol.202, no.11, pp.5006-5016, 2024 (SCI-Expanded)
- IV. **Unveiling the Molecular Mechanisms of Glioblastoma through an Integrated Network-Based Approach**
Kaynar A., Kim W., Ceyhan A. B., Zhang C., Uhlén M., TÜRKEZ H., Shoaie S., Mardinoglu A.
Biomedicines, vol.12, no.10, 2024 (SCI-Expanded)
- V. **Design and evaluation of novel inhibitors for the treatment of clear cell renal cell carcinoma**
Bouzian Y., El Hafi M., Parvizi N., Kim W., Subasioglu M., Ozcan M., TÜRKEZ H., Mardinoglu A.
BIOORGANIC CHEMISTRY, vol.151, 2024 (SCI-Expanded)
- VI. **Synthesis, spectroscopic characterization, DFT and molecular docking of N-(3-cyano-4,5,6,7-tetrahydrobenzo[b]thiophen-2-yl) naphthalene-1-sulfonamide derivatives**
Ashraf S., Iqbal S., Sebhaoui J., Ozcan M., Kim W., Belmen B., Yeşilyurt G., Hanashalshahaby E., Zhang C., Uhlen M., et al.
Journal of Molecular Structure, vol.1312, 2024 (SCI-Expanded)
- VII. **Discovery of a Therapeutic Agent for Glioblastoma Using a Systems Biology-Based Drug Repositioning Approach**
Kaynar A., Ozcan M., Li X., TÜRKEZ H., Zhang C., Uhlen M., Shoaie S., Mardinoglu A.
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.25, no.14, 2024 (SCI-Expanded)
- VIII. **Discovery of Cell-Permeable Allosteric Inhibitors of Liver Pyruvate Kinase: Design and Synthesis of Sulfone-Based Urolithins**
Iqbal S., Islam M. Z., Ashraf S., Kim W., AL-Sharabi A. A., Ozcan M., Hanashalshahaby E., Zhang C., Uhlen M., Boren J., et al.
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.25, no.14, 2024 (SCI-Expanded)
- IX. **Borax attenuates oxidative stress, inflammation, and apoptosis by modulating Nrf2/ROS balance in acrylamide-induced neurotoxicity in rainbow trout**
TÜRKEZ H., ALAK G., ÖZGERİŞ F. B., Cilingir Yeltekin A., UÇAR A., PARLAK V., Sutan N. A., ATAMANALP M.
DRUG AND CHEMICAL TOXICOLOGY, 2024 (SCI-Expanded)
- X. **Combined Metabolic Activators with Different NAD⁺ Precursors Improve Metabolic Functions in the Animal Models of Neurodegenerative Diseases**
Altay O., Yang H., YILDIRIM S., BAYRAM C., BOLAT İ., Oner S., Tozlu O. O., Arslan M. E., HACIMÜFTÜOĞLU A., Shoaie S., et al.
Biomedicines, vol.12, no.4, 2024 (SCI-Expanded)
- XI. **Unveiling structural features, chemical reactivity, and bioactivity of a newly synthesized purine derivative through crystallography and computational approaches**

Türkez H.

JOURNAL OF MOLECULAR STRUCTURE, vol.1311, pp.138400-138418, 2024 (SCI-Expanded)

- XII. **In Vitro Cytotoxic, Genotoxic, Embryotoxic and Oxidative Damage Potentials by Empagliflozin**
Kenan Cadirci C., TÜRKEZ H., Tozlu O. O., YAPÇA Ö. E., Bayrak M., Emsen B., Mardinoglu A.
Biology Bulletin, vol.51, no.2, pp.243-250, 2024 (SCI-Expanded)
- XIII. **Mitigating roles by Ulexite against acetyferrocene-induced hematotoxicity, hepatotoxicity, genotoxicity and oxidative stress in *Oncorhynchus mykiss***
UÇAR A., PARLAK V., ÇAĞLAR Ö., Yeltekin A. Ç., ÖZGERİŞ F. B., TÜRKEZ H., ALAK G., ATAMANALP M.
CHEMISTRY AND ECOLOGY, vol.40, no.2, pp.118-135, 2024 (SCI-Expanded)
- XIV. **Modulatory role ulexit against thiamethoxam-induced hematotoxicity/hepatotoxicity oxidative stress and immunotoxicity in *Oncorhynchus mykiss***
UÇAR A., Günay A., PARLAK V., Yeltekin A. Ç., ÖZGERİŞ F. B., TÜRKEZ H., ALAK G., ATAMANALP M.
Marine Environmental Research, vol.193, 2024 (SCI-Expanded)
- XV. **Drug Synergism of Anticancer Action in Combination with Favipiravir and Paclitaxel on Neuroblastoma Cells**
TÜRKEZ H., Arslan M. E., Selvitopi H., Kadi A., Oner S., Mardinoglu A.
Medicina (Lithuania), vol.60, no.1, 2024 (SCI-Expanded)
- XVI. **Physiological response of thiamethoxam and ulexite in rainbow trout: A neural network-mediated approach**
ALAK G., UÇAR A., Yeltekin A. Ç., ÖZGERİŞ F. B., TÜRKEZ H., Günay A., PARLAK V., ATAMANALP M.
Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, vol.275, 2024 (SCI-Expanded)
- XVII. **Synthesis and Biological Evaluation of Novel Benzylidene Thiazolo Pyrimidin-3(5H)-One Derivatives**
Akbaş E., Othman K. A., Çelikezen F. Ç., Aydoğan Ejder N., Türkez H., Yapça Ö. E., Mardinoglu A.
Polycyclic Aromatic Compounds, vol.44, no.5, pp.3061-3078, 2024 (SCI-Expanded)
- XVIII. **Ferulic acid: extraction, estimation, bioactivity and applications for human health and food**
Kumar M., Kaushik D., Shubham S., Kumar A., Kumar V., ÖZ E., Brennan C., Zeng M., Proestos C., Çadirci K., et al.
Journal of the Science of Food and Agriculture, 2024 (SCI-Expanded)
- XIX. **Systematic transcriptional analysis of human cell lines for gene expression landscape and tumor representation**
Jin H., Zhang C., Zwahlen M., Von Feilitzen K., Karlsson M., Shi M., Yuan M., Song X., Li X., Yang H., et al.
Nature Communications, vol.14, no.1, 2023 (SCI-Expanded)
- XX. **Open MoA: revealing the mechanism of action (MoA) based on network topology and hierarchy**
Liao X., Ozcan M., Shi M., Kim W., Jin H., Li X., Türkez H., Achour A., Uhlén M., Mardinoglu A., et al.
Bioinformatics, vol.39, no.11, 2023 (SCI-Expanded)
- XXI. **Synthesis of alnustone-like diarylpentanoids via a 4 + 1 strategy and assessment of their potential anticancer activity**
Çelebioğlu N., Özdemir Tozlu Ö., Turkez H., Seçen H.
Turkish Journal of Chemistry, vol.47, no.5, pp.1249-1259, 2023 (SCI-Expanded)
- XXII. **Novel styryl-thiazole hybrids as potential anti-Alzheimer's agents**
Gouleni N., Di Rienzo A., Yilmaz A., SELVÍTOPI H., ARSLAN M. E., Mardinoglu A., TÜRKEZ H., Di Stefano A., Vassiliou S., Cacciatore I.
RSC MEDICINAL CHEMISTRY, no.11, pp.2315-2326, 2023 (SCI-Expanded)
- XXIII. **Characterization of an in vitro steatosis model simulating activated de novo lipogenesis in MAFLD patients**
Kim W., Li M., Jin H., Yang H., TÜRKEZ H., Uhlén M., Zhang C., Mardinoglu A.
iScience, vol.26, no.10, 2023 (SCI-Expanded)
- XXIV. **Neuroprotective properties of borax against aluminum hydroxide-induced neurotoxicity: Possible role of Nrf-2/BDNF/AChE pathways in fish brain**
Alak G., Türkez H., Uçar A., Yeltekin A. Ç., Özgeriş F. B., Parlak V., Atamanalp M.
BRAIN RESEARCH, vol.1803, 2023 (SCI-Expanded)
- XXV. **Borax relieved the acrylamide-induced hematotoxic, hepatotoxic, immunotoxic and genotoxic**

damages in rainbow trout by regulating apoptosis and Nrf2 signaling pathway

ATAMANALP M., TÜRKEZ H., Yeltekin A. Ç., ÖZGERİŞ F. B., UÇAR A., CAGLAR O., PARLAK V., ONER S., ALAK G.
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-TOXICOLOGY & PHARMACOLOGY, vol.259, 2022 (SCI-Expanded)

- XXVI. **Borax exerts protective effect against ferrocene-induced neurotoxicity in *Oncorhynchus mykiss*.**
Yeltekin A. Ç., Ucar A., Parlak V., Özgeriş F. B., Türkez H., Esenbuğa N., Atamanalp M., Alak G.
Journal of trace elements in medicine and biology : organ of the Society for Minerals and Trace Elements (GMS), vol.72, pp.126996, 2022 (SCI-Expanded)
- XXVII. **Molecular Genetics and Cytotoxic Responses to Titanium Dioxide and Zinc Borate Nanoparticles on Cultured Human Primary Alveolar Epithelial Cells**
Türkez H., Arslan M. E., Tatar A., Ozdemir O., Sönmez E., Cadirci K., Hacımüftüoğlu A., Ceylan B., Açıkıldız M., Yüce Kahraman Ç., et al.
MATERIALS, vol.15, no.7, 2022 (SCI-Expanded)
- XXVIII. **Combined Metabolic Activators Decrease Liver Steatosis by Activating Mitochondrial Metabolism in Hamsters Fed with a High-Fat Diet**
Yang H., Mayneris-Perxachs J., Boque N., del Bas J. M., Arola L., Yuan M., TÜRKEZ H., Uhlen M., Boren J., Zhang C., et al.
BIOMEDICINES, vol.9, no.10, 2021 (SCI-Expanded)
- XXIX. **Multi-omics approaches for revealing the complexity of cardiovascular disease**
Doran S., Arif M., Lam S., Bayraktar A., TÜRKEZ H., Uhlen M., Boren J., Mardinoglu A.
BRIEFINGS IN BIOINFORMATICS, vol.22, no.5, 2021 (SCI-Expanded)
- XXX. **Combined Metabolic Activators Accelerates Recovery in Mild-to-Moderate COVID-19**
Altay O., Arif M., Li X., Yang H., Aydin M., Alkurt G., Kim W., Akyol D., Zhang C., Dinler Doğanay G., et al.
ADVANCED SCIENCE, vol.8, no.17, 2021 (SCI-Expanded)
- XXXI. **Stratification of patients with clear cell renal cell carcinoma to facilitate drug repositioning**
Li X., Kim W., Juszczak K., Arif M., Sato Y., Kume H., Ogawa S., TÜRKEZ H., Boren J., Nielsen J., et al.
ISCIENCE, vol.24, no.7, 2021 (SCI-Expanded)
- XXXII. **Anticancer effects of novel NSAIDs derivatives on cultured human glioblastoma cells.**
Özdemir Ö., Marinelli L., Cacciatore I., Ciulla M., Emsen B., Di Stefano A., Mardinoglu A., Turkez H.
Zeitschrift fur Naturforschung. C, Journal of biosciences, vol.76, pp.329-335, 2021 (SCI-Expanded)
- XXXIII. **iNetModels 2.0: an interactive visualization and database of multi-omics data**
Arif M., Zhang C., Li X., Gungor C., Cakmak B., Arslanturk M., Tebani A., Ozcan B., Subas O., Zhou W., et al.
NUCLEIC ACIDS RESEARCH, vol.49, 2021 (SCI-Expanded)
- XXXIV. **Revealing the Metabolic Alterations during Biofilm Development of *Burkholderia cenocepacia* Based on Genome-Scale Metabolic Modeling**
Altay O., Zhang C., TÜRKEZ H., Nielsen J., Uhlen M., Mardinoglu A.
METABOLITES, vol.11, no.4, 2021 (SCI-Expanded)
- XXXV. **Seroprevalence of coronavirus disease 2019 (COVID-19) among health care workers from three pandemic hospitals of Turkey**
Alkurt G., MURT A., Aydin Z., Tatli O., Agaoglu N. B., Irvem A., Aydin M., KARAALI R., Gunes M., Yesilyurt B., et al.
PLOS ONE, vol.16, no.3, 2021 (SCI-Expanded)
- XXXVI. **Antioxidant Potential of Ulexite in Zebrafish Brain: Assessment of Oxidative DNA Damage, Apoptosis, and Response of Antioxidant Defense System**
ALAK G., UÇAR A., PARLAK V., Yeltekin A. Ç., ÖZGERİŞ F. B., ATAMANALP M., Türkez H.
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.199, no.3, pp.1092-1099, 2021 (SCI-Expanded)
- XXXVII. **Addressing the heterogeneity in liver diseases using biological networks.**
Lam S., Doran S., Yuksel H., Altay O., Turkez H., Nielsen J., Boren J., Uhlen M., Mardinoglu A.
Briefings in bioinformatics, vol.22, pp.1751-1766, 2021 (SCI-Expanded)
- XXXVIII. **A Novel Mutation of ATP7B Gene in a Case of Wilson Disease**
Yüce Kahraman Ç., İşlek A., Tatar A., Ozdemir O., Mardinglu A., Türkez H.
MEDICINA-LITHUANIA, vol.57, no.2, 2021 (SCI-Expanded)

- XXXIX. **Targeted Gene Candidates for Treatment and Early Diagnosis of Age-Related Macular Degeneration**
ÇİNİCİ E., ÇAĞLAR Ö., ARSLAN M. E., Dilekmen N., Utlu B., Mardinoglu A., TÜRKEZ H.
BIOMED RESEARCH INTERNATIONAL, vol.2021, 2021 (SCI-Expanded)
- XL. **Systems biology based drug repositioning for development of cancer therapy.**
Turanli B., Altay O., Borén J., Turkez H., Nielsen J., Uhlen M., Arga K., Mardinoglu A.
Seminars in cancer biology, vol.68, pp.47-58, 2021 (SCI-Expanded)
- XLl. **Potential Anticancer Effect of Carvacrol Codrugs on Human Glioblastoma Cells.**
Yazici A., Marinelli L., Cacciatore I., Emsen B., Eusepi P., Di Biase G., Di Stefano A., Mardinoğlu A., Türkez H.
Current drug delivery, vol.18, pp.349-355, 2021 (SCI-Expanded)
- XLII. **In vitro neuroprotective effects of farnesene sesquiterpene on alzheimer's disease model of differentiated neuroblastoma cell line**
Arslan M. E., TÜRKEZ H., Mardinoğlu A.
International Journal of Neuroscience, vol.131, no.8, pp.745-754, 2021 (SCI-Expanded)
- XLIII. **Discovery of Functional Alternatively Spliced PKM Transcripts in Human Cancers**
Li X., Kim W., Arif M., Gao C., Hober A., Kotol D., Strandberg L., Forsstrom B., Sivertsson A., Oksvold P., et al.
CANCERS, vol.13, no.2, 2021 (SCI-Expanded)
- XLIV. **Assesment of hematotoxic, oxidative and genotoxic damage potentials of fipronil in rainbow trout *Oncorhynchus mykiss*, Walbaum**
Uçar A., Parlak V., Cilingir Yeltekin A., Özgeriş F. B., Çağlar Ö., Türkez H., Alak G., Atamanalp M.
TOXICOLOGY MECHANISMS AND METHODS, vol.31, no.1, pp.73-80, 2021 (SCI-Expanded)
- XLV. **The Assessment of Selected miRNA Profile in Familial Mediterranean Fever**
Kahraman C. Y., Egin M. E., Tatar A., Turkez H., Mardinoglu A.
BioMed Research International, vol.2021, 2021 (SCI-Expanded)
- XLVI. **Glycyl-L-Prolyl-L-Glutamate Pseudotripeptides for Treatment of Alzheimer's Disease**
Türkez H., Cacciatore I., Marinelli L., Fornasari E., Arslan M. E., Cadirci K., Kahraman Ç., Çağlar O., Tatar A., Di Biase G., et al.
BIOMOLECULES, vol.11, no.1, 2021 (SCI-Expanded)
- XLVII. **A caryophyllene oxide and other potential anticholinesterase and anticancer agent in *Salvia verticillata* subsp. *amasiaca* (Freyn & Bornm.) Bornm. (Lamiaceae)**
KARAKAYA S., Yilmaz S. V., Ozdemir O., KOCA M., Pinar N. M., Demirci B., Yildirim K., Sytar O., Turkez H., Baser K. H. C.
JOURNAL OF ESSENTIAL OIL RESEARCH, vol.32, no.6, pp.512-525, 2020 (SCI-Expanded)
- XLVIII. **Hematological and Hepatic Effects of Ulexite in Zebrafish**
ALAK G., ÖZGERİŞ F. B., Yeltekin A. Ç., PARLAK V., UÇAR A., Çağlar O., TÜRKEZ H., ATAMANALP M.
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, vol.80, 2020 (SCI-Expanded)
- XLIX. **Cytotoxic effect and molecular docking studies of essential oils of *Cymbocarpum erythraeum* (DC.) Boiss. (Apiaceae) as potential inhibitors of cholinesterase**
KARAKAYA S., Ozdemir O., KOCA M., Demirci B., AKSAKAL Ö., Turkez H., Baser K. H. C.
JOURNAL OF ESSENTIAL OIL RESEARCH, vol.32, no.5, pp.436-448, 2020 (SCI-Expanded)
- L. **Applications of Genome-Wide Screening and Systems Biology Approaches in Drug Repositioning**
Mohammadi E., Benfeitas R., TÜRKEZ H., Boren J., Nielsen J., Uhlen M., Mardinoglu A.
CANCERS, vol.12, no.9, 2020 (SCI-Expanded)
- LI. **Neuroprotective effects of boron nitride nanoparticles in the experimental Parkinson's disease model against MPP+ induced apoptosis**
Küçükdoğru R., TÜRKEZ H., Arslan M. E., Tozlu Ö. Ö., SÖNMEZ E., Mardinoğlu A., Cacciatore I., Di Stefano A.
Metabolic Brain Disease, vol.35, no.6, pp.947-957, 2020 (SCI-Expanded)
- LII. **Oxidative and DNA Damage Potential of Colemanite on Zebrafish: Brain, Liver and Blood**
Alak G., Parlak V., Uçar A., Yeltekin A. Ç., Özgeriş F. B., Çağlar Ö., Atamanalp M., Türkez H.
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.20, pp.593-602, 2020 (SCI-Expanded)
- LIII. **A systems biology approach for studying neurodegenerative diseases**
Lam S., Bayraktar A., Zhang C., TÜRKEZ H., Nielsen J., Boren J., Shoaie S., Uhlen M., Mardinoglu A.

DRUG DISCOVERY TODAY, vol.25, no.7, pp.1146-1159, 2020 (SCI-Expanded)

- LIV. **Current Status of COVID-19 Therapies and Drug Repositioning Applications**
Altay O., Mohammadi E., Lam S., TÜRKEZ H., Boren J., Nielsen J., Uhlen M., Mardinoglu A.
ISCIENCE, vol.23, no.7, 2020 (SCI-Expanded)
- LV. **Improvement in the Current Therapies for Hepatocellular Carcinoma Using a Systems Medicine Approach**
Ozcan M., Altay O., Lam S., TÜRKEZ H., AKSOY Y., Nielsen J., Uhlen M., Boren J., Mardinoglu A.
Advanced Biosystems, vol.4, no.6, 2020 (SCI-Expanded)
- LVI. **Histidyl-Proline Diketopiperazine Isomers as Multipotent Anti-Alzheimer Drug Candidates**
TÜRKEZ H., Cacciatore I., ARSLAN M. E., Fornasari E., Marinelli L., Di Stefano A., Mardinoglu A.
BIOMOLECULES, vol.10, no.5, 2020 (SCI-Expanded)
- LVII. **Synthesis, structure, cytotoxic and antioxidant properties of 6-ethoxy-4-methylcoumarin**
Celikezen F., Orek C., Parlak A., Sarac K., Turkez H., Tozlu Ö. Ö.
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- LXII. **İn vitro Alzheimer Modelinde Farnesenin NöronKoruyucu Etkisinin İncelenmesi**
ARSLAN M. E., KÜÇÜKDOĞRU R., AYDIN E., TÜRKEZ H.
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- LXIII. **Prooxidative and antioxidative properties of usnic acid againstU87MG human glioblastoma cell line and primary neuron cells**
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- LXIV. **Investigation of cytotoxic genotoxic and oxidative properties of carvacrol in human blood cells**
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- LXV. **In vitro cytotoxicity and molecular effects of silicon nanoparticles on human alveolar epithelial and pharynx cells**
AYDIN E., TÜRKEZ H., HACİMÜFTÜOĞLU A.
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- LXVI. **Anti mutagenic Action of Propolis Against Aluminum Induced Damage in DNA of Human Alveolar Epithelial Cells In vitro**
Türkez H., Hacımüftüoğlu A., Özdemir Ö.
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- LXVII. **Boron Compounds Ameliorates the Human Alveolar Epithelial Cell Death Induced by 2 3 7 8 Tetrachlorodibenzo P Dioxin**
TÜRKEZ H., ÖZDEMİR Ö., TATAR A.
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- LXVIII. **Biological evaluation of diffractaic acid as an anticancer agent against glioblastoma**
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- LXIX. **Synthesis and biological screening of olivetoric acid in human amnion fibroblasts**
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- LXX. **Prodrugs solubili del carvacrolo potenziale attivita antibatterica**
Eusepi P., Cacciatore I., Lisa M., Fornasari E., TÜRKEZ H., Simonia S., Mingoia M., Scarabeo S., Di Nicola A., Pomilio C., et al.
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- LXXI. **Water soluble carvacrol prodrugs as antibacterial agents**
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- LXXII. **NSAID conjugates for the treatment of Alzheimer Disease**
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- LXXIII. **Nanotoxicity evaluation of tellurium dioxide nanoparticles on human airway epithelial and whole blood cells in vitro**
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- LXXIV. **The geno protective effect of propolis on aluminum sulphate induced DNA damage in human lymphocytes**
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- LXXV. **Hepatoprotective Potential of Boric Acid Borax Colemanite and Ulexite Against 2,3,7,8 Tetrachlorodibenzo P Dioxin in Cultured Rat Hepatocytes**
TÜRKEZ H.
1ST INTERNATIONAL BLACK SEA CONGRESS ON ENVIRONMENTAL SCIENCES (IBCESS), 31 August - 01 September 2016
- LXXVI. **Therapeutic and preventive effects of psoromic acid against glioblastoma multiforme**
EMSEN B., ASLAN A., TÜRKEZ H.
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- LXXVII. **Cytotoxic evaluation of usnic acid against primary rat neuron and U87MG cells**
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- LXXVIII. **Cytotoxic genotoxic and oxidative effects of olivetoric acid on glioma tumour cells**
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- LXXIX. **Synthesis Characterization and Cytotoxicity of Boron Nitride BN Nanoparticles Emphasis on Toxicogenomics**
TÜRKEZ H., ARSLAN M. E., SÖNMEZ E., AÇIKYILDIZ M., TATAR A., GEYİKOĞLU F.
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- LXXX. **Expression Profiling and Pathway Analysis of Iron Oxide Fe₂O₃ Nanoparticles Toxicity on Human Lung Alveolar Epithelial Cell Line hpaepic Using Microarray Analysis**
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- LXXXI. **Boron Compounds Counteracts Oxidative Stress Mediated Genotoxicity Induced By Fe₃O₄ Nanoparticles In Vitro**
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- LXXXII. **Antioxidant properties and pharmacokinetic studies of new selective 1 bifonctional ligands**
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- LXXXIII. **Nanotoxicity of flower like yttrium oxide nanosheets in human primary lung epithelial cells**
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- LXXXV. **Evaluation of Carvacrol Derivatives on Treatment of Glioblastoma Multiforme**
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- LXXXVII. **Synthesis of alpha methylproline containing Gly Pro Arg tripeptides endowed with Neuroprotective and antioxidant properties**
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- LXXXIX. **Antiproliferative genotoxic and oxidant activities of physodic acid from lichen seconder metabolites against human glioblastoma multiforme cells**
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- XC. **Extracellular lactate dehydrogenase activity of usnic acid in rat neuron and glioblastoma cell lines**
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- XC. **Hepatic Effects of Yttrium Oxide Nanoflowers In Vitro Risk Evaluation**
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- XCII. **Premenstrual Disforik Bozuklukta Östrojen Progesteron Total Oksidan Antioksidan Kapasite Paroksonaz 1 Düzeyleri ve Klinik Belirtilerle Depresyon Anksiyete Uyku Kalitesi İlişkisi**
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- XCIV. **Evaluation of the Potential in Vivo Genotoxicity of Tungsten (VI) Oxide Nanopowder for Human Health**
Turkez H., Cakmak B., Celik K.
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- XCV. **Potential anticancer activity of carvone on N2a neuroblastoma cell line**
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- XCVI. **Carvacrol a phenolic monoterpene is a potent anticancer and cytotoxic agent**
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- XCVII. **Farklı Nöron Hücre Kültürlerinde Zingiberen in Sitotoksik Etki Potansiyelinin Belirlenmesi P 374**
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- XCVIII. **Kopaen Seskiterpeninin in vitro Biyokimyasal ve Genetik Etkileri P 1410**
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- C. **Gayazulen in N2a Nöroblastom Hücrelerine Karşı Sitotoksik Potansiyelinin Araştırılması P 1405**
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- CII. **THE EFFECTS OF ASCORBIC ACID ON LISTERINE TOXICITY IN VITRO**
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- CIV. **Asbestin Çimento Fabrikası Çevresinde Yaşayan Ova Kurbağalarında Rana ridibunda pallas Neden Olduğu Histopatolojik ve Genotoksik Etkileri**
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- CVIII. **Kobalt Klorit e maruz kalan Gökkuşluğu Alabalıklarının Oncorhynchus mykiss biyokimyasal parametrelerindeki değişimin belirlenmesi**
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Supported Projects

TÜRKEZ H., YÜCE KAHRAMAN Ç., SÖNMEZ E., Project Supported by Higher Education Institutions, Alzheimer Hastalığına Karşı Hedeflendirilmiş Terapötik ve Azaltılmış Toksikolojik Potansiyel için Transferrin 1 Antikor Fragmanına Konjuge Edilmiş Memantin Bazlı Lipozomların Üretimi, 2022 - 2023

TÜRKEZ H., Project Supported by Higher Education Institutions, Favipiravirin Glioblastom/Nöroblastom Hücre Hatlarında Nörotoksik/Genotoksik Etkilerinin Belirlenmesi ve Paclitaxel ile Sinerjistik Etkilerinin In Vitro Koşullarda Araştırılması, 2021 - 2022

Türkez H., TUBITAK Project, ALZHEİMER TEDAVİSİNDE YENİ TRİPEPTİDLER, 2017 - 2019

Türkez H., Other International Funding Programs, I In Vitro Koşullarda Bor Nanopartikülleri ile Muamele Edilen İnsan Solunum Yolu Epitel Hücrelerinde Gen Ekspresyon Değişiklikleri Ulusal Bor Araştırma Enstitüsü BOREN Projesi Ç 0391 Proje Yöneticisi 2013, 2017 - 2019

Türkez H., Project Supported by Higher Education Institutions, Girişimciliğin Genetik Faktörler Açısından İncelenmesi, 2017 - 2018

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Patent

Türkez H., BIOCOMPATIBLE ELECTRODE, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Registration Number: TP , Standard Registration, 2019

Türkez H., Boronated derivatives for the treatment of diseases and conditions associated to oxidative stress, Patent, CHAPTER A Human Needs, The Invention Registration Number: EP , Standard Registration, 2018

Activities in Scientific Journals

FRONTIERS IN CELLULAR NEUROSCIENCE, Special Issue Editor, 2021 - Continues

GENES, Special Issue Editor, 2021 - Continues

MEDICINAL CHEMISTRY RESEARCH, Committee Member, 2021 - Continues

Current Alzheimer Research, Editor, 2019 - Continues

International Journal of Nanomaterials, Nanotechnology and Nanomedicine, Editor, 2019 - Continues

CELL BIOLOGY AND GENETICS, Editor, 2019 - Continues

Letters in Applied NanoBioScience, Committee Member, 2019 - Continues

Journal of Toxicology and Environmental Health Sciences, First Editor, 2019 - Continues

International Journal of Biology, Editor, 2018 - Continues

Scientific Consultations

Tübitak, Project Consultancy, Erzurum Teknik Üniversitesi, Faculty Of Science, Department Of Molecular Biology And Genetics, Turkey, 2019 - Continues

Metrics

Publication: 440

Citation (WoS): 3713

Citation (Scopus): 4100

H-Index (WoS): 33

H-Index (Scopus): 35

Congress and Symposium Activities

3. Uluslararası Kanser ve İyon Kanalları Kongresi, Session Moderator, İstanbul, Turkey, 2021

Non Academic Experience

South Korea

Ministry, Sağlık Bakanlığı, Türkiye sağlık enstitüleri başkanlığı

SAĞLIK BAKANLIĞI