

## **Prof. Hasan TÜRKEZ**

### **Personal Information**

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### **International Researcher IDs**

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Publons / Web Of Science ResearcherID: AAQ-4905-2020

ScopusID: 9134233800

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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 periferal 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 $\beta$ ) 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 biyouyumluluklarının 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. **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)
- II. **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)
- III. **Identifying Hub Genes and Metabolic Pathways in Collagen VI-Related Dystrophies: A Roadmap to Therapeutic Intervention**  
Ceyhan A. B., Kaynar A., Altay O., Zhang C., TEMEL Ş. G., TÜRKEZ H., Mardinoglu A.  
Biomolecules, vol.14, no.11, 2024 (SCI-Expanded)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **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)
- XI. **Combined Metabolic Activators with Different NAD<sup>+</sup> 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., HACİMÜFTÜOĞLU A., Shoaie

S., et al.

Biomedicines, vol.12, no.4, 2024 (SCI-Expanded)

- XII. **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)
- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **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)
- XVII. **Genomic Surveillance and Molecular Characterization of SARS-CoV-2 Variants During the Peak of the Pandemic in Türkiye**  
Akçeşme F. B., Köprülü T. K., Çam B. E., İş Ş., Keskin B. C., Akçeşme B., Baydili K. N., Gezer B., Balkan J., Uçar B., et al.  
Biochemical Genetics, 2024 (SCI-Expanded)
- XVIII. **Mitigating roles by Ulexite against acetyleferrocene-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)
- XIX. **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)
- XX. **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., Çadircı K., et al.  
Journal of the Science of Food and Agriculture, 2024 (SCI-Expanded)
- XXI. **Assessment of Subacute Toxicity of Ulexite in Rats: Behavioral, Hematological, and Biochemical Insights**  
TÜRKEZ H., Özdemir Tozlu Ö., Yıldız E., Saraçoğlu M., Baba C., Çınar B., YILDIRIM S., KİLİÇLİOĞLU M., Topkara K. Ç., Çadircı K.  
Biological Trace Element Research, 2024 (SCI-Expanded)
- XXII. **Identification of SPP1 + macrophages as an immune suppressor in hepatocellular carcinoma using single-cell and bulk transcriptomics**  
Jin H., Kim W., Yuan M., Li X., Yang H., Li M., Shi M., TÜRKEZ H., Uhlen M., Zhang C., et al.  
Frontiers in Immunology, vol.15, 2024 (SCI-Expanded)
- XXIII. **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)
- XXIV. **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)

- XXV. **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)
- XXVI. **Novel styryl-thiazole hybrids as potential anti-Alzheimer's agents**  
Gouleni N., Di Rienzo A., Yilmaz A., SELVITOPÍ 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)
- XXVII. **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)
- XXVIII. **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)
- XXIX. **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., Ozgeris F. B., UÇAR A., caglar O., PARLAK V., Oner S., ALAK G.  
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-TOXICOLOGY & PHARMACOLOGY, vol.259, 2022 (SCI-Expanded)
- XXX. **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)
- XXXI. **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., Açıkyıldız M., Yüce Kahraman Ç., et al.  
MATERIALS, vol.15, no.7, 2022 (SCI-Expanded)
- XXXII. **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)
- XXXIII. **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)
- XXXIV. **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)
- XXXV. **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 für Naturforschung. C, Journal of biosciences, vol.76, pp.329-335, 2021 (SCI-Expanded)
- XXXVI. **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)
- XXXVII. **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)
- XXXVIII. **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)

- XXXIX. **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)
- XL. **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)
- XLI. **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., KARAALİ R., Gunes M., Yesilyurt B., et al.  
PLOS ONE, vol.16, no.3, 2021 (SCI-Expanded)
- XLII. **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)
- XLIII. **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)
- XLIV. **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)
- XLV. **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)
- XLVI. **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)
- XLVII. **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)
- XLVIII. **Glycyl-L-Prolyl-L-Glutamate Pseudotriptides for Treatment of Alzheimer's Disease**  
Türkez H., Cacciatore I., Marinelli L., Fornasari E., Aslan M. E., Cadirci K., Kahraman Ç., Çağlar O., Tatar A., Di Biase G., et al.  
BIOMOLECULES, vol.11, no.1, 2021 (SCI-Expanded)
- XLIX. **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)
- L. **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)
- LI. **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)
- LII. **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)

- LIII. **Applications of Genome-Wide Screening and Systems Biology Approaches in Drug Repositioning**  
Mohammadi E., Benfeitás R., TÜRKEZ H., Boren J., Nielsen J., Uhlen M., Mardinoglu A.  
CANCERS, vol.12, no.9, 2020 (SCI-Expanded)
- LIV. **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)
- LV. **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., Mardinoglu A., Cacciatore I., Di Stefano A.  
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XVIII. Ulusal Biyoloji Kongresi, 26-30 Haziran 2006, 238, Kuşadası, Aydın., Aydın, Turkey, 26 - 30 June 2006

### **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

TÜRKEZ H., Project Supported by Higher Education Institutions, NORMAL VE C6 BEYİN KANSER HÜCRELERİ ÜZERİNE KARVAKROL TİMOL KARVON PİNEN VE TERPİNOLEN MONOTERPENLERİNİN ETKİLERİ, 2010 - 2011

### **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: 444

Citation (WoS): 3713

Citation (Scopus): 4300

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