

## **Prof. Hasan TÜRKEZ**

### **Personal Information**

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### **International Researcher IDs**

ScholarID: vZtrvvUAAAAJ  
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Publons / Web Of Science ResearcherID: AAQ-4905-2020  
ScopusID: 9134233800  
Yoksis Researcher ID: 43649

### **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 TRIPEPTIDE DERIVATIVES AND HISTIDYL-PROLINE DIKETOPIPERAZINE ISOMERS FOR TREATMENT OF ALZHEIMER'S DISEASE, Università Degli Studi "G. D'annunzio, Chieti, 2017  
Doctorate, Bazı bor bileşiklerinin *in vitro* şartlarda periferal insan kani 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., Bor nitrür nanopartiküllerinin in vitro koşullarda beta amiloid ( $A\beta$ ) toksisitesi üzerine etkilerinin incelenmesi, Doctorate, N.AYDIN(Student), 2019  
Türkez H., İminodiasetik asidin In vitro ve In vivo anti-alzheimer potansiyelinin değerlendirilmesi, Postgraduate, T.GEZMİŞ(Student), 2019  
Türkez H., Sarkozin'in In vitro ve In vivo nöroprotektif etkilerinin değerlendirilmesi, Postgraduate, A.TANAS(Student), 2019  
Türkez H., Deneysel Parkinson modelinde bor nitrür nanopartiküllerinin nöroprotektif etkilerinin değerlendirilmesi, Postgraduate, R.KÜÇÜKDOĞRU(Student), 2019  
Türkez H., Çinko oksit tarafından uyarılan nanotoksisiteye 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., İnsan primer alveolar epitel ve tam kan hücre kültürlerinde telleryum dioksit'in nanotoksisite potansiyelinin araştırılması, Postgraduate, N.AYDIN(Student), 2015  
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., Karvakrol türevlerinin glioblastoma tedavisinde kullanım potansiyellerinin değerlendirilmesi, Postgraduate, A.ÖZDEMİR(Student), 2015  
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., Biyomedikal teknolojilerde kullanım potansiyeli olan bazı nanomateryallerin in vitro biyoyumluluklarının araştırılması, Doctorate, G.BUĞRA(Student), 2013  
Türkez H., Usnik asit bileşiginin in vitro koşullarda risk değerlendirmesi, Postgraduate, Z.POLAT(Student), 2013  
Türkez H., Diffraktaik asitin insan lenfosit kültürlerinde sitogenetik ve oksidatif etkilerinin araştırılması etkilerinin araştırılması, Postgraduate, L.DEMİR(Student), 2013  
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., Wintergreen yağının antitümorojenik ve sitotoksik etkilerinin araştırılması, Postgraduate, K.ÇELİK(Student), 2012  
Türkez H., İn vitro şartlarda kadmiyumun oluşturduğu genetik ve oksidatif hasara karşı Dermatocarpon intestiniforme (lichen) ekstrelerinin etkisi, Postgraduate, A.GÜNER(Student), 2011  
Türkez H., Erzurum ve Artvin illerinde tespit edilen bazı lichen türlerinin sitogenetik ve oksidatif etkilerinin araştırılması, Postgraduate, E.AYDIN(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. **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)
- II. **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)
- III. **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)
- IV. **Synthesis and Biological Evaluation of Novel Benzylidene Thiazolo Pyrimidin-3(5H)-One Derivatives**  
Akbaş E., Othman K. A., Çelikezen F. Ç., Aydogan Ejder N., Türkez H., Yapça Ö. E., Mardinoglu A.  
*Polycyclic Aromatic Compounds*, 2023 (SCI-Expanded)
- V. **Molecular Genetics and Cytotoxic Responses to Titanium Diboride 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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **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)
- XI. **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)
- XII. **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)
- XIII. **Seroprevalence of coronavirus disease 2019 (COVID-19) among health care workers from three**

- pandemic hospitals of Turkey**  
Alkurt G., MURT A., Aydin Z., Tatlı 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)
- XIV. 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)
- XV. 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)
- XVI. A Novel Mutation of ATP7B Gene in a Case of Wilson Disease**  
Yüce Kahraman Ç., İşlek A., Tatar A., Ozdemir O., Mardinalu A., Türkez H.  
MEDICINA-LITHUANIA, vol.57, no.2, 2021 (SCI-Expanded)
- XVII. 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)
- XVIII. 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)
- XIX. 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)
- XX. 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)
- XXI. Glycyl-L-Prolyl-L-Glutamate Pseudotripeptides for Treatment of Alzheimer's Disease**  
Türkez H., Cacciatore I., Marinelli L., Fornasari E., Aslan M. E., Cadirci K., Kahraman Ç., Caglar O., Tatar A., Di Biase G., et al.  
BIOMOLECULES, vol.11, no.1, 2021 (SCI-Expanded)
- XXII. 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)
- XXIII. 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)
- XXIV. 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)
- XXV. Hematological and Hepatic Effects of Ulexite in Zebrafish**  
ALAK G., ÖZGERİŞ F. B., Yeltekin A. Ç., PARLAK V., UÇAR A., Caglar O., TÜRKEZ H., ATAMANALP M.  
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, vol.80, 2020 (SCI-Expanded)
- XXVI. 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)
- XXVII. 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)

- XXVIII. **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)
- XXIX. **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)
- XXX. **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)
- XXXI. **A systems biology approach for studying neurodegenerative diseases**  
Lam S., Bayraktar A., Zhang C., TÜRKEZ H., Nielsen J., Boren J., Shoae S., Uhlen M., Mardinoglu A.  
DRUG DISCOVERY TODAY, vol.25, no.7, pp.1146-1159, 2020 (SCI-Expanded)
- XXXII. **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)
- XXXIII. **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)
- XXXIV. **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)
- XXXV. **Synthesis, structure, cytotoxic and antioxidant properties of 6-ethoxy-4-methylcoumarin**  
Celikezen F., Orek C., Parlak A., Sarac K., Turkez H., Tozlu Ö. Ö.  
Journal of Molecular Structure, vol.1205, 2020 (SCI-Expanded)
- XXXVI. **The acute effect of metabolic cofactor supplementation: a potential therapeutic strategy against non-alcoholic fatty liver disease.**  
Zhang C., Bjornson E., Arif M., Tebani A., Lovric A., Benfeitas R., Ozcan M., Juszczak K., Kim W., Kim J., et al.  
Molecular systems biology, vol.16, 2020 (SCI-Expanded)
- XXXVII. **Novel anti-Alzheimer phenol-lipoil hybrids: Synthesis, physico-chemical characterization, and biological evaluation**  
Pagoni A., Marinelli L., Di Stefano A., Ciulla M., Turkez H., Mardinoglu A., Vassiliou S., Cacciatore I.  
European Journal of Medicinal Chemistry, vol.186, 2020 (SCI-Expanded)
- XXXVIII. **Nonpharmacological treatment options for alzheimer's disease: From animal testing to clinical studies**  
Turkez H., Arslan M. E., Di Stefano A., Cacciatore I., Mardinoğlu A.  
Turkish Journal of Zoology, vol.44, no.2, pp.81-89, 2020 (SCI-Expanded)
- XXXIX. **Examination of some toxicological parameters of dimethylamylamine when consumed alone or with caffeine**  
GÜNER A., TÜRKEZ H.  
ARCHIVES OF BIOLOGICAL SCIENCES, vol.72, no.3, pp.413-423, 2020 (SCI-Expanded)
- XL. **The in vitro cytotoxic, genotoxic, and oxidative damage potentials of the oral artificial sweetener aspartame on cultured human blood cells**  
Çadirci K., Özdemir Tozlu Ö., TÜRKEZ H., Mardinoğlu A.  
Turkish Journal of Medical Sciences, vol.50, no.2, pp.448-454, 2020 (SCI-Expanded)
- XLI. **Inhibition of growth of U87MG human glioblastoma cells by Usnea longissima Ach.**  
Emsen B., Ozdemir O., Engin T., Togar B., Cavusoglu S., Turkez H.  
Anais da Academia Brasileira de Ciencias, vol.91, 2019 (SCI-Expanded)
- XLII. **The in vitro cytotoxicity, genotoxicity and oxidative damage potential of dapagliflozin, on cultured**

- human blood cells**  
Cadirci K., TOZLU Ö. Ö., TÜRKEZ H.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGİSİ, vol.44, no.5, pp.692-698, 2019 (SCI-Expanded)
- XLIII. Borax Alleviates Copper-Induced Renal Injury via Inhibiting the DNA Damage and Apoptosis in Rainbow Trout**  
Alak G., Yeltekin A. Ç., Uçar A., Parlak V., Turkez H., Atamanalp M.  
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.191, pp.495-501, 2019 (SCI-Expanded)
- XLIV. Carvacrol prodrugs as novel antimicrobial agents**  
Marinelli L., Fornasari E., Eusepi P., Ciulla M., Genovese S., Epifano F., Fiorito S., Turkez H., Örtücü S., Mingoia M., et al.  
European Journal of Medicinal Chemistry, vol.178, pp.515-529, 2019 (SCI-Expanded)
- XLV. NFBTA: A Potent Cytotoxic Agent against Glioblastoma.**  
Turkez H., Nóbrega F., Ozdemir O., Bezerra F., Almeida R., Tejera E., Perez-Castillo Y., Sousa D.  
Molecules (Basel, Switzerland), vol.24, 2019 (SCI-Expanded)
- XLVI. Microarray assisted toxicological investigations of boron carbide nanoparticles on human primary alveolar epithelial cells**  
Turkez H., Arslan M. E., SÖNMEZ E., GEYİKOĞLU F., Açıkyıldız M., TATAR A.  
Chemico-Biological Interactions, vol.300, pp.131-137, 2019 (SCI-Expanded)
- XLVII. Synthesis, characterization and cytotoxicity of boron nitride nanoparticles: emphasis on toxicogenomics**  
Turkez H., Arslan M. E., SÖNMEZ E., Açıkyıldız M., TATAR A., GEYİKOĞLU F.  
Cytotechnology, vol.71, no.1, pp.351-361, 2019 (SCI-Expanded)
- XLVIII. Cytotoxic and antioxidant properties of essential oil of Centaurea behen L. in vitro**  
Celikezen F. C., Hayta S., Ozdemir O., Turkez H.  
CYTOTECHNOLOGY, vol.71, no.1, pp.345-350, 2019 (SCI-Expanded)
- XLIX. The protective effect exerted by dietary borax on toxicity metabolism in rainbow trout (*Oncorhynchus mykiss*) tissues**  
ALAK G., Parlak V., YELTEKIN A., UCAR A., ÇOMAKLI S., TOPAL A., ATAMANALP M., ÖZKARACA M., TÜRKEZ H.  
Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, vol.216, pp.82-92, 2019 (SCI-Expanded)
- L. Borax Supplementation Alleviates Hematotoxicity and DNA Damage in Rainbow Trout (*Oncorhynchus mykiss*) Exposed to Copper**  
Alak G., Parlak V., Arslan M. E., Uçar A., Atamanalp M., Turkez H.  
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.187, no.2, pp.536-542, 2019 (SCI-Expanded)
- LI. Synthesis and biological evaluation of novel analogues of Gly-l-Pro-l-Glu (GPE) as neuroprotective agents.**  
Marinelli L., Fornasari E., Di S., Turkez H., Genovese S., Epifano F., Di B., Costantini E., D'Angelo C., Reale M., et al.  
Bioorganic & medicinal chemistry letters, vol.29, pp.194-198, 2019 (SCI-Expanded)
- LII. THE IN VITRO CYTOTOXICITY, GENOTOXICITY AND OXIDATIVE DAMAGE POTENTIAL OF THE ORAL DIPEPTIDYL PEPTIDASE-4 INHIBITOR, LINAGLIPITIN, ON CULTURED HUMAN MONONUCLEAR BLOOD CELLS**  
Cadirci K., Turkez H., Ozdemir O.  
ACTA ENDOCRINOLOGICA-BUCHAREST, vol.15, no.1, pp.9-15, 2019 (SCI-Expanded)
- LIII. In vitro cytotoxic and genotoxic effects of newly synthesised boron ionic liquids**  
Oguzkan S. B., Turkez H., Karagul B., Cakir U., Ugras H. I.  
BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT, vol.33, no.1, pp.86-92, 2019 (SCI-Expanded)
- LIV. Neuroprotective effects of dietary borax in the brain tissue of rainbow trout (*Oncorhynchus mykiss*) exposed to copper-induced toxicity**  
Alak G., Ucar A., Yeltekin A., Çomaklı S., Parlak V., Tas I., Özkaraca M., Topal A., Kirman E., Bolat İ., et al.  
Fish Physiology and Biochemistry, vol.44, no.5, pp.1409-1420, 2018 (SCI-Expanded)
- LV. A Comparative Evaluation of the Cytotoxic and Antioxidant Activity of <i>Mentha</i>**

- crispa&lt;/i&gt; Essential Oil, Its Major Constituent Rotundifolone, and Analogues on Human Glioblastoma.**  
Turkez H., Tozlu O., Lima T., de B., de S.  
Oxidative medicine and cellular longevity, vol.2018, pp.2083923, 2018 (SCI-Expanded)
- LVI. Effects of two lichen acids isolated from Pseudevernia furfuracea (L.) Zopf in cultured human lymphocytes**  
Emsen B., Togar B., Turkez H., Aslan A.  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.73, pp.303-312, 2018 (SCI-Expanded)
- LVII. Piplartine Analogues and Cytotoxic Evaluation against Glioblastoma.**  
da N., Ozdemir O., Nascimento S., Barboza J., Turkez H., de S.  
Molecules (Basel, Switzerland), vol.23, 2018 (SCI-Expanded)
- LVIII. Investigation of the Genotoxicity of Aluminum Oxide, -Tricalcium Phosphate, and Zinc Oxide Nanoparticles In Vitro**  
Akbaba G. B., Turkez H.  
INTERNATIONAL JOURNAL OF TOXICOLOGY, vol.37, no.3, pp.216-222, 2018 (SCI-Expanded)
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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.  
XXXV TUMA, Teramo, 25 - 27 September 2016
- LXXI. **Water soluble carvacrol prodrugs as antibacterial agents**  
Cacciatore I., Fornasari E., Di Stefano A., Marinelli L., Ceresa L., TÜRKEZ H., Ferrone A., Moretto A., Mirco P.,

- Marcello R., et al.  
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- LXXII. **NSAID conjugates for the treatment of Alzheimer Disease**  
cacciatore I., marinelli l., erica f., Ceresa L., TÜRKEZ H., Moretto A., PE M., Marcella R., Patruno A., Di Stefano A.  
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- LXXIII. **Nanotoxicity evaluation of tellurium dioxide nanoparticles on human airway epithelial and whole blood cells in vitro**  
Nurşah A., SÖNMEZ E., TÜRKEZ H.  
3rd International Conference on Advanced Technology & Sciences (ICAT'16), Konya, Turkey, 1 - 03 September 2016
- LXXIV. **The geno protective effect of propolis on aluminum sulphate induced DNA damage in human lymphocytes**  
TÜRKEZ H.  
1ST INTERNATIONAL BLACK SEA CONGRESS ON ENVIRONMENTAL SCIENCES (IBCESS), Giresun, Turkey, 31 August - 03 September 2016
- 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.  
5th International Molecular Biology and Biotechnology Congress, 25 - 29 August 2016
- LXXVII. **Cytotoxic evaluation of usnic acid against primary rat neuron and U87MG cells**  
EMSEN B., ASLAN A., TÜRKEZ H.  
5th International Molecular Biology and Biotechnology Congress, 25 - 29 August 2016
- LXXVIII. **Cytotoxic genotoxic and oxidative effects of olivetoric acid on glioma tumour cells**  
EMSEN B., TÜRKEZ H., ASLAN A.  
2nd International Congress on Applied Biological Sciences, Sarajevo, Bosnia And Herzegovina, 27 - 31 May 2016
- 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.  
1st International Cell Death Research Congress, 4 - 07 May 2016
- LXXX. **Expression Profiling and Pathway Analysis of Iron Oxide Fe<sub>2</sub>O<sub>3</sub> Nanoparticles Toxicity on Human Lung Alveolar Epithelial Cell Line hpaepic Using Microarray Analysis**  
TÜRKEZ H., ARSLAN M. E., ÖZDEMİR Ö., SÖNMEZ E., AÇIKYILDIZ M., TATAR A.  
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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 bifunctional ligands**  
Agostino M., Emanuale A., Ivana C., Laura C., Emanuele A., Valeria P., Lorella P., TÜRKEZ H., Antonio D. s., Prezzavento O.  
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- LXXXIII. **Nanotoxicity of flower like yttrium oxide nanosheets in human primary lung epithelial cells**  
Lisa M., Erika F., Ceresa L., SÖNMEZ E., TÜRKEZ H., AYDIN E., KERLİ S., Ivana c., Antonio D. s.  
Micro and nanotechnologies to overcome biological barriers, 12 - 14 November 2015
- LXXXIV. **Synthesis Characterization of Novel NSAIDs and Their Cytotoxic Effects on Human Glioblastoma Cell Line**

- ÖZDEMİR Ö., LİSA M., TÜRKEZ H., ANTONIO D. S.  
Second Congress of the Serbian Association for Cancer Research, 2 - 03 October 2015
- LXXXV. **Evaluation of Carvacrol Derivatives on Treatment of Glioblastoma Multiforme**  
ÖZDEMİR A., ÖZDEMİR Ö., TÜRKEZ H., IVANA C.  
Second Congress of the Serbian Association for Cancer Research, 2 - 03 October 2015
- LXXXVI. **Cytotoxic Constituents of Diffractaic Acid against U87MG Human Glioblastoma and Primary Neuron Cells**  
ASLAN A., BAŞAK T., EMSEN B., TÜRKEZ H.  
1st International Congress On Applied Biological Sciences, 16 - 20 September 2015
- LXXXVII. **Synthesis of alpha methylproline containing Gly Pro Arg tripeptides endowed with Neuroprotective and antioxidant properties**  
IVANA C., ERICA F., ANTONIO D. S., AMELIA M., LAURA C., TÜRKEZ H., AN M., SE F., An F., Me P., et al.  
XXIII National Meeting on Medicinal Chemistry, 6 - 09 September 2015
- LXXXVIII. **Synthesis of alpha methyproline containing Gly Pro Arg tripeptide endowed with neuroprotective and antioxidant properties**  
Ivana C., Erika F., Antonio D. S., Lisa M., Laura C., TÜRKEZ H., Alessandro M., Sara F., Alessio F., Mirco P., et al.  
XXIII National Meeting on medicinal Chemistry, 6 - 09 September 2015
- LXXXIX. **Antiproliferative genotoxic and oxidant activities of physodic acid from lichen seconder metabolites against human glioblastoma multiforme cells**  
EMSEN B., BAŞAK T., TÜRKEZ H., ASLAN A., KAYA A.  
The 2nd Mediterranean Symposium on Medicinal and Aromatic Plants, 22 - 25 April 2015
- XC. **Extracellular lactate dehydrogenase activity of usnic acid in rat neuron and glioblastoma cell lines**  
EMSEN B., Basak T., TÜRKEZ H., ASLAN A., Kaya A.  
1st TURKISH CONGRESS OF ONE HEALTH, 8 - 11 April 2015
- XCI. **Hepatic Effects of Yttrium Oxide Nanoflowers In Vitro Risk Evaluation**  
SÖNMEZ E., TÜRKEZ H., AYDIN E., ÖZGERİŞ F. B., ÖZTETİK E., KERLİ S., IVANA C., ANTONIO D. S.  
1st International Congress On Applied Biological Sciences, 16 - 20 September 2015
- XCII. **Premenstrual Disforik Bozuklukta Östrojen Progesteron Total Oksidan Antioksidan Kapasite Paroksonaz 1 Düzeyleri ve Klinik Belirtilerle Depresyon Anksiyete Uyku Kalitesi İlişkisi**  
ÖZCAN H., ORAL E., GÜLEÇ M., TÜRKEZ H., ÇAKIN GÜLEÇ T., ÜSTÜNDAĞ M. F., AYDINOĞLU Ü., YÜCEL A.  
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- XCIII. **Biosafety Evaluation of Nanoparticles in View of Genotoxicity and Carcinogenicity Studies: A Systematic Review**  
TÜRKEZ H., Celik K., ÇAKMAK B.  
2nd International Conference on Materials and Applications for Sensors and Transducers, IC-MAST, Budapest, Hungary, 24 - 28 May 2012, vol.543, pp.200-202
- 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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4. Multidisipliner Kanser Araştırma Kongresi 13-16 Aralık 2012, Bursa, TÜRKİYE., Turkey, 13 - 16 December 2012
- XCVI. **Carvacrol a phenolic monoterpenes is a potent anticancer and cytotoxic agent**  
AYDIN E., TÜRKEZ H., KELEŞ M. S.  
8. Uluslararası Katılımlı Türk Toksikoloji Derneği Kongresi, 15-18 Kasım 2012 Antalya., Turkey, 15 - 18 November 2012
- XCVII. **Farklı Nöron Hücre Kulturlerinde Zingiberen in Sitotoksik Etki Potansiyelinin Belirlenmesi P 374**  
TOĞAR B., TÜRKEZ H., GEYİKOĞLU F., TATAR A., HACİMÜFTÜOĞLU A., KELEŞ M. S.  
21. Ulusal Biyoloji Kongresi, 3-7 Eylül 2012, İzmir., Turkey, 3 - 07 September 2012

- XCVIII. **Kopaen Seskiterpeninin in vitro Biyokimyasal ve Genetik Etkileri P 1410**  
TÜRKEZ H., TOĞAR B., TATAR A., HACİMÜFTÜOĞLU A., GEYİKOĞLU F., KELEŞ M. S.  
21. Ulusal Biyoloji Kongresi, 3-7 Eylül 2012, İzmir, Turkey, 3 - 07 September 2012
- XCIX. **In vitro Sağlıklı Nöron ve N2a Nöroblastom Hücrelerinde Farnesen in Antikanserojenik ve Genotoksik Etkilerinin Değerlendirilmesi P 1407**  
TOĞAR B., TÜRKEZ H., GEYİKOĞLU F., HACİMÜFTÜOĞLU A., TATAR A., KELEŞ M. S.  
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- C. **Gayazulen in N2a Nöroblastom Hücrelerine Karşı Sitotoksik Potansiyelinin Araştırılması P 1405**  
TÜRKEZ H., TOĞAR B., HACİMÜFTÜOĞLU A., TATAR A., KELEŞ M. S., GEYİKOĞLU F.  
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- CI. **Siklosativen in Antioksidatif ve Genotoksik Aktiviteleri Üzerine Bir Araştırma P 1406**  
TOĞAR B., TÜRKEZ H., GEYİKOĞLU F., HACİMÜFTÜOĞLU A., TATAR A., KELEŞ M. S.  
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- CII. **THE EFFECTS OF ASCORBIC ACID ON LISTERINE TOXICITY IN VITRO**  
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- CIII. **The genotoxic potentials of some atypic antipsychotic drugs on human lymphocytes**  
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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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- CV. **EVALUATION OF THE GENOTOXIC EFFECTS AFTER APPLICATOIN OF LISTERINE ON HUMAN LYMPHOCYTES**  
ARABACI T., TÜRKEZ H.  
20. ULUSAL BİYOLOJİ KONGRESİ, Turkey, 21 - 27 June 2010
- CVI. **Olanzapinin insan lenfositleri üzerindeki in vitro genotoksik etkilerinin mikronükleus ve tek hücre jel elektroforez komet testleri kullanılarak araştırılması**  
TOĞAR B., TÜRKEZ H., KIRPINAR İ., TATAR A., HACİMÜFTÜOĞLU A., GEYİKOĞLU F., KELEŞ M. S.  
20. Uluslararası Katılımlı Ulusal Biyoloji Kongresi, 21-25 Haziran 2010, 1063, Denizli, 21 - 25 June 2010
- CVII. **Sıçan kemik iliği hücrelerinde mitomisin c ile uyarılmış genotoksisite üzerine Rhizoplaca Chrysoleuca Sm Zopf liken ekstresinin etkisi**  
TÜRKEZ H., BAŞAK T., AYDIN E., GÜNER A., GEYİKOĞLU F., KELEŞ M. S.  
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- CVIII. **Kobalt Klorit e maruz kalan Gökkuşağı Alabalıklarının Oncorhynchus mykiss biyokimyasal parametrelerindeki değişimin belirlenmesi**  
Atamanalp M., Kocaman E. M., Aksakal E., Uçar A., Şişman T., Türkez H., Oğuzhan P., Simay A.  
XV. Ulusal Su Ürünleri Sempozyumu, Elazığ, Turkey, 1 - 04 July 2009
- CIX. **A study on the toxic effects of chx on humanlymphocytes in vitro**  
ARABACI T., ÇANAKÇI C. F., TÜRKEZ H., ÖZGÖZ M.  
EUROPERIO 6, 4 - 06 June 2009
- CX. **Klorheksidin glukonat antiseptiğinin insan periferik kan kültürlerinde oksidatif strese bağlı sitogenetik etkileri**  
ARABACI T., TÜRKEZ H., GEYİKOĞLU F., TATAR A., KELEŞ M. S.  
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- CXI. **KLORHEGZIDIN GLUKONAT ANTİSEPTİĞİNİN İNSAN PERİFERAL KÜLTÜR KAN HÜCRELERİNDE OKSIDATİF STRESE BAĞLI SİTOGENETİK ETKİLERİ**  
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- CXII. **Genotoxic and biochemical effects of wastewater samples from a local fat plant in Erzurum Turkey**

- Türkez H., İncekara Ü., Geyikoğlu F., Şişman T., Tatar A., Keleş M. S.  
BIES08: Blacksea International Environmental Symposium, 25-29 August 2008, 187, Giresun, TURKEY., Giresun, Turkey, 25 - 29 August 2008
- CXIII. ***In vitro antioksidan parametreler üzerine bazı böcek ekstrelerinin etkileri***  
İNCEKARA Ü., GEYİKOĞLU F., TÜRKEZ H., KELEŞ M. S.  
1. 19. Ulusal Biyoloji Kongresi, 23-27 Haziran 2008, 574-575, Trabzon., Turkey, 23 - 27 June 2008
- CXIV. ***Erzurum ve çevresinde çalışan asfalt kaplama işçilerinde biyokimyasal ve hematolojik araştırmalar***  
Geyikoğlu F., Türkez H., Keleş M. S., Çolak S., Şişman T.  
Çevre Sorunları Sempozyumu, 14-17 Mayıs 2008, 141, Kocaeli, Kocaeli, Turkey, 14 - 18 May 2008
- CXV. ***Modulators of aluminum induced genotoxic and oxidative damage kernite and probertite***  
TÜRKEZ H., GEYİKOĞLU F., KELEŞ M. S., ÖZKAN A.  
1. 3rd International Boron Symposium, 2-4 November 2006, 451-456, Ankara, TURKEY., 2 - 04 November 2006
- CXVI. ***İn vivo şartlarda bakır asetoarsenitin Sprague Dawley ratlarda bazı enzimlerin aktivite düzeyleri üzerine etkileri***  
Türkez H., Geyikoğlu F., Özkan A., Şişman T., Keleş M. S.
- XVIII. Ulusal Biyoloji Kongresi, 26-30 Haziran 2006, 238, Kuşadası, Aydın, Aydın, Turkey, 26 - 30 June 2006

## Supported Projects

- Türkez H., TUBITAK Project, ALZHEIMER 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 PINEN VE TERPINOLEN 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: 428

Citation (WoS): 3643

Citation (Scopus): 3914

H-Index (WoS): 32

H-Index (Scopus): 34

## **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

MEB