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Personal Information

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Education Information

Post Doctorate, Université Strasbourg I, Centre National De La Recherche Scientifique (CNRS) , Institute des Neurosciences Cellulaires Et Integratives (INCI), France 2018 - Continues

Doctorate, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Biyokimya, Turkey 2011 - 2017

Under Graduate, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık, Turkey 2005 - 2010

Foreign Languages

Italian, B1 Intermediate

English, C1 Advanced

Research Areas

Basic Pharmaceutics Sciences, Health Sciences, Pharmacology and Therapeutics, Biochemistry

Academic Titles / Tasks

Research Assistant, Hacettepe University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2012 - Continues

Research Assistant PhD, Université Strasbourg 1, CNRS (CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE) INCI (Institut des Neurosciences Cellulaires et Intégratives), 2018 - 2021

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

- I. **Design, synthesis, and biological evaluation of novel indanone-based hybrids as multifunctional cholinesterase inhibitors for Alzheimer's disease**
Shahrivar-Gargari M., Hamzeh-Mivehroud M., Hemmati S., Shahbazi Mojarrad J., Notash B., Tüylü Küçükılınç T., AYZGÖK B., Dastmalchi S.
Journal of Molecular Structure, vol.1229, 2021 (Journal Indexed in SCI)
- II. **Hybridization-based design of novel anticholinesterase indanone-carbamates for Alzheimer's disease: Synthesis, biological evaluation, and docking studies**
Shahrivar-Gargari M., Hamzeh-Mivehroud M., Hemmati S., Mojarrad J. S. , TÜYLÜ KÜÇÜKKILINÇ Z. T. , AYZGÖK B., Dastmalchi S.
ARCHIV DER PHARMAZIE, 2021 (Journal Indexed in SCI)
- III. **Chromone-lipoic acid conjugate: Neuroprotective agent having acceptable butyrylcholinesterase inhibition, antioxidant and copper-chelation activities**
Jalili-Baleh L., Nadri H., Forootanfar H., Kucukkilinc T. T. , AYZGÖK B., Sharifzadeh M., Rahimifard M., Baeri M.,

Abdollahi M., Foroumadi A., et al.

DARU-JOURNAL OF PHARMACEUTICAL SCIENCES, 2021 (Journal Indexed in SCI)

- IV. **Ketamine induces rapid and sustained antidepressant-like effects in chronic pain induced depression: Role of MAPK signaling pathway**
Humo M., Ayazgok B., Becker L. J., Waltisperger E., Rantamaki T., Yalcin I.
PROGRESS IN NEURO-PSYCHOPHARMACOLOGY & BIOLOGICAL PSYCHIATRY, vol.100, 2020 (Journal Indexed in SCI)
- V. **New classes of carbazoles as potential multi-functional anti-Alzheimer's agents**
Choubdar N., Golshani M., Jalili-Baleh L., Nadri H., Küçükılınç T., Ayazgök B., Moradi A., Moghadam F., Abdolahi Z., Ameri A., et al.
Bioorganic Chemistry, vol.91, 2019 (Journal Indexed in SCI Expanded)
- VI. **Design and Synthesis of 2-Substitutedphenyl Benzo[D]Thiazole Derivatives and Their β -Amyloid Aggregation and Cholinesterase Inhibitory Activities**
ZENGİN M., Unsal-Tan O., Küçükılınç T. T., AYZAGÖK B., BALKAN A.
Pharmaceutical Chemistry Journal, vol.53, no.4, pp.322-328, 2019 (Journal Indexed in SCI Expanded)
- VII. **Synthesis and biological assessment of 2-hydroxyiminoethanones as anti-inflammatory and β -amyloid aggregation inhibitors**
Valipour M., Davaji I., Abedi N., Rajabi M., Kucukkilinc T. T., AYZAGÖK B., Irannejad H.
Iranian Journal of Pharmaceutical Research, vol.18, no.3, pp.1288-1298, 2019 (Journal Indexed in SCI Expanded)
- VIII. **3-Aryl Coumarin Derivatives Bearing Aminoalkoxy Moiety as Multi-Target-Directed Ligands against Alzheimer's Disease**
Abdshahzadeh H., Golshani M., Nadri H., Kia I. S., Abdolahi Z., Forootanfar H., Ameri A., Kucukkilinc T. T., AYZAGÖK B., Jalili-Baleh L., et al.
Chemistry and Biodiversity, vol.16, no.5, 2019 (Journal Indexed in SCI Expanded)
- IX. **Synthesis and biological evaluation of new N-benzylpyridinium-based benzoheterocycles as potential anti-Alzheimer's agents**
Salehi N., Mirjalili B. B. F., Nadri H., Abdolahi Z., Forootanfar H., Samzadeh-Kermani A., Kucukkilinc T. T., AYZAGÖK B., Emami S., Haririan I., et al.
Bioorganic Chemistry, vol.83, pp.559-568, 2019 (Journal Indexed in SCI Expanded)
- X. **Synthesis, molecular docking, and biological evaluation of novel 2-pyrazoline derivatives as multifunctional agents for the treatment of Alzheimer's disease**
Unsal-Tan O., Kuecuekkilinc T. T., AYZAGÖK B., BALKAN A., Ozadali-Sari K.
MedChemComm, vol.10, no.6, pp.1018-1026, 2019 (Journal Indexed in SCI Expanded)
- XI. **Discovery of novel 1,2,4-triazolo-1,2,4-triazines with thiomethylpyridine hinge binders as potent c-Met kinase inhibitors**
Dadashpour S., Küçükılınç T., Ayazgök B., Hosseinimehr S., Chippindale A., Foroumadi A., Irannejad H.
Future Medicinal Chemistry, vol.11, no.10, pp.1119-1136, 2019 (Journal Indexed in SCI Expanded)
- XII. **Neurotoxic effects of bisphenol a on SH-SY5Y neuroblastoma cells via nitric oxide**
AYAZGÖK B., Tuylu Kucukkilinc T.
Marmara Pharmaceutical Journal, vol.23, no.3, pp.354-359, 2019 (Journal Indexed in SCI Expanded)
- XIII. **Low-dose bisphenol A induces RIPK1-mediated necroptosis in SH-SY5Y cells: Effects on TNF- α and acetylcholinesterase**
Ayazgoek B., Kucukkilinc T. T.
Journal of Biochemical and Molecular Toxicology, vol.33, no.1, 2019 (Journal Indexed in SCI Expanded)
- XIV. **Novel 3-phenylcoumarin-lipoic acid conjugates as multi-functional agents for potential treatment of Alzheimer's disease**
Jalili-Baleh L., Nadri H., Forootanfar H., Samzadeh-Kermani A., Kucukkilinc T. T., AYZAGÖK B., Rahimifard M., Baeri M., Doostmohammadi M., Firoozpour L., et al.
Bioorganic Chemistry, vol.79, pp.223-234, 2018 (Journal Indexed in SCI Expanded)
- XV. **Design, synthesis and evaluation of novel multi-target-directed ligands for treatment of Alzheimer's disease based on coumarin and lipoic acid scaffolds**

Jalili-Baleh L., Forootanfar H., Kucukkilinc T. T. , Nadri H., Abdolahi Z., Ameri A., Jafari M., AYZAGÖK B., Baeeri M., Rahimifard M., et al.

European Journal of Medicinal Chemistry, vol.152, pp.600-614, 2018 (Journal Indexed in SCI Expanded)

- XVI. **Synthesis and neuroprotective activity of novel 1,2,4-triazine derivatives with ethyl acetate moiety against H₂O₂ and A β -induced neurotoxicity**
Kucukkilinc T. T. , Yanghagh K. S. , AYZAGÖK B., Roknipour M. A. , Moghadam F. H. , Moradi A., Emami S., Amini M., Irannejad H.
Medicinal Chemistry Research, vol.26, no.11, pp.3057-3071, 2017 (Journal Indexed in SCI Expanded)
- XVII. **Novel 2-Arylbenzimidazole derivatives as multi-targeting agents to treat Alzheimer's disease**
Unsal-Tan O., Ozadali-Sari K., AYZAGÖK B., Küçükklınc Z. T. , BALKAN A.
Medicinal Chemistry Research, vol.26, no.7, pp.1506-1515, 2017 (Journal Indexed in SCI Expanded)
- XVIII. **Novel multi-targeted agents for Alzheimer's disease: Synthesis, biological evaluation, and molecular modeling of novel 2-[4-(4-substitutedpiperazin-1-yl)phenyl]benzimidazoles**
Ozadali-Sari K., Tüylü Küçükklınc Z. T., AYZAGÖK B., BALKAN A., Unsal-Tan O.
Bioorganic Chemistry, vol.72, pp.208-214, 2017 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

I. **Big Effects of Low Dose Bisphenol A**

Ayazgök B., Tüylü Küçükklınc Z. T.

Fabad Journal of Pharmaceutical Sciences, vol.42, no.2, pp.139-150, 2017 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

I. **Studies on Some Benzothiazole Derivatives**

ZENGİN M., BALKAN A., ÜNSAL TAN O., TÜYLÜ KÜÇÜKKİLİNÇ Z. T. , AYZAGÖK B.

12. International Symposium on Pharmaceutical Sciences, ISOPS, Ankara, Turkey, 26 - 29 June 2018

II. **Synthesis and Evaluation of Benzimidazole and 2-pyrazoline Derivatives as Multi-Target-Directed Ligands against Alzheimer's Disease**

ÜNSAL TAN O., ÖZADALI SARI K., AYZAGÖK B., TÜYLÜ KÜÇÜKKİLİNÇ Z. T. , BALKAN A.

12. International Symposium on Pharmaceutical Sciences, ISOPS, Ankara, Turkey, 26 - 29 June 2018

III. **N-ACETYL DERIVATIVES OF 2-PYRAZOLINES AS POTENT MULTI-TARGETING AGENTS FOR ALZHEIMER'S DISEASE**

ÖZADALI SARI K., TÜYLÜ KÜÇÜKKİLİNÇ Z. T. , AYZAGÖK B., BALKAN A., ÜNSAL TAN O.

2nd International Gazi Pharma Symposium Series, 11 - 13 October 2017

IV. **4,5-dihydro-1h-pyrazoles as cholinesterase and AB aggregation inhibitors for Alzheimer'xxs disease**

TÜYLÜ KÜÇÜKKİLİNÇ Z. T. , AYZAGÖK B., ÖZADALI SARI K., BALKAN A., ÜNSAL TAN O.

Uluslararası Biyokimya Kongresi 2017- 28. Ulusal Biyokimya kongresi, 19 - 23 September 2017

V. **4,5-dihydro-1h-pyrazoles as cholinesterase and A β aggregation inhibitors for Alzheimer's disease**

TÜYLÜ KÜÇÜKKİLİNÇ Z. T. , AYZAGÖK B., ÖZADALI SARI K., BALKAN A., ÜNSAL TAN O.

28. Ulusal biyokimya Kongresi, Erzurum, Turkey, 19 - 23 September 2017

VI. **Necroptotic effects of Bisphenol A on SHSY-5Y neuroblastoma cells**

Ayazgök B., Tüylü Küçükklınc Z. T.

28. Ulusal biyokimya Kongresi, Erzurum, Turkey, 19 - 23 September 2017

VII. **Novel benzimidazole derivatives with multi functions on cholinesterase enzymes and neuroprotection**

Ayazgök B., Tüylü Küçükklınc Z. T. , Özadalı Sarı K., Ünsal Tan O., Balkan A.

: 15th International Symposium on Cholinergic Mechanisms (ISCM), Marseille, France, 16 - 20 October 2016, vol.142, pp.188

- VIII. **Apoptotic and Necrotic Effects of Low Dose Bisphenol A in SH-SY5Y neuroblastoma cells**
Ayazgök B., Tüylü Küçükılınç Z. T.
41th FEBS Congress, İzmir, Turkey, 3 - 08 September 2016, pp.1
- IX. **Bisphenol A Leads to Necroptosis in SH-SY5Y Neuroblastoma Cells**
Ayazgök B., Tüylü Küçükılınç Z. T.
2nd International Congress of Forensic Toxicology, Ankara, Turkey, 26 - 30 May 2016, pp.1
- X. **Hacettepe Üniversitesi Eczacılık Fakültesinin Akreditasyon Süreci ve Bu Sürecin Kazanımları**
Ayazgök B.
National Congress of Pharmaceutical Education and Accreditation, Ankara, Turkey, 16 - 20 May 2016, pp.1
- XI. **Low Dose Bisphenol A Alters Acetylcholinesterase and Butyrylcholinesterase Gene Expression levels**
Ayazgök B., Tüylü Küçükılınç Z. T.
SFN Neuroscience 2015, California, United States Of America, 17 - 21 October 2015, pp.1
- XII. **The Studies on Novel Benzimidazole Derivatives as Potential Multifunctional Agents for the Treatment of Alzheimer's Disease**
Ayazgök B., Tüylü Küçükılınç Z. T.
11. International Symposium on Pharmeucital Sciences, Ankara, Turkey, 9 - 12 June 2015, pp.280-281
- XIII. **Effects of Bisphenol A bpa on shsy5y cells evaluation of nitric oxide related pathways**
AYAZGÖK B., TÜYLÜ KÜÇÜKKILINÇ Z. T.
39.th FEBS Congress, 30 August - 04 September 2014
- XIV. **Effects of Bisphenol A (BPA) on SHSY5Y cells: Evaluation of Nitric Oxide Related Pathways**
Ayazgök B., Tüylü Küçükılınç Z. T.
Federation of European Biochemical Societies Congress 2014, Paris, France, 30 August - 04 September 2014, pp.70
- XV. **Inhibition of Butrylcholinesterase and Acetylcholinesterase by Bisphenol A**
Ayazgök B., Tüylü Küçükılınç Z. T.
IFCC WorldLab ISTANBUL 2014 22nd International Congress of Clinical Chemistry and Laboratory Medicine , İstanbul, Turkey, 22 - 27 June 2014, pp.1664
- XVI. **Inhibition of butyrylcholinesterase and acetylcholinesterase by Bisphenol A**
AYAZGÖK B., TÜYLÜ KÜÇÜKKILINÇ Z. T.
22nd International Congress of Clinical Chemistry and Laboratory Medicine (IFCC Worldlab 2014), 22 - 24 June 2014
- XVII. **Novel 2-pyrazoline Derivatives Bearing Thiazole Ring as Dual Monoamine Oxidase-B and Acetylcholinesterase Inhibitors also İnhibit Beta-Amyloid Fibril**
Ayazgök B., Gökşen U. S. , Tüylü Küçükılınç Z. T. , Gökhan Kelekçi N., Uçar G.
Federation of European Biochemical Societies Congress 2013 (FEBS), Sankt-Peterburg, Russia, 6 - 11 July 2013, pp.431-432

Supported Projects

BALKAN A., TÜYLÜ KÜÇÜKKILINÇ Z. T. , ÜNSAL TAN O., ZENGİN M., AYAZGÖK B., Project Supported by Higher Education Institutions, 2-Fenilbenzotiyazol Türevleri Üzerinde Çalışmalar, 2018 - 2019

TÜYLÜ KÜÇÜKKILINÇ Z. T. , AYAZGÖK B., Project Supported by Higher Education Institutions, RIPK1 RIPK3 fibril oluşumunda asetilkolinesterazın olası rolü, 2017 - 2018

AYAZGÖK B., Project Supported by Higher Education Institutions, 28. Ulusal Biyokimya Kongresi, 2017 - 2017

TÜYLÜ KÜÇÜKKILINÇ Z. T. , AYAZGÖK B., Project Supported by Higher Education Institutions, BPA'nın SHS5Y neuroblastoma hücrelerinde AChE ve BChE protein ekspresyonuna olan etkilerinin incelenmesi, 2015 - 2017

Özadalı Sarı K., Ünsal Tan O., Balkan A., TUBITAK Project, Alzheimer Hastalığının Tedavisinde Çoklu Hedefe Yönelik Etki Göstermesi Beklenen Yeni 2 Pirazolin ve Benzimidazol Türevlerinin Moleküler Modelleme Sentez ve Biyolojik Aktivite Çalışmaları, 2014 - 2017

UÇAR G., ERİKÇİ A., BAYSAL İ., ERCAN A., YÜKSEL TEK M., BİBEROĞLU K., TÜYLÜ KÜÇÜKKILINÇ Z. T. , AYAZGÖK B.,

TACAL Ö., YABANOĞLU ÇİFTÇİ S., et al, Project Supported by Higher Education Institutions, ECF385 Biyokimya III Laboratuvar Ders İçeriğinin Klinik Biyokimya Yöntemleri ile Zenginleştirilerek Güncellenmesi, 2015 - 2016

Citations

Total Citations (WOS):120

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Scholarships

French Government 2020 Research Fellowships, Séjours Scientifiques de Haut Niveau (SSHN)-French Embassy

Postdoctoral Research Fellowship, Official Institutions of Foreign Countries, 2020 - 2020

TÜBİTAK 2219 Uluslararası Doktora Sonrası Araştırma Bursu, TÜBİTAK, 2018 - 2019

Awards

Ayazgök B., 2018 Hacettepe Awards - 2019-2020 Prof.Dr. Aziz SANCAR Honorage Fund Award, Hacettepe Üniversitesi Rektörlüğü, July 2019