

Asst. Prof. BURCU KILIÇ

Personal Information

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International Researcher IDs

ScholarID: lOfq5jgAAAAJ

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Publons / Web Of Science ResearcherID: H-2493-2015

ScopusID: 57202077178

Yoksis Researcher ID: 123948

Education Information

Doctorate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasotik Kimya (Dr), Turkey 2011 - 2017

Undergraduate, Gazi University, Eczacılık Fakültesi, Eczacılık Pr., Turkey 2006 - 2011

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Lisansüstü Tez Danışmanlığı Eğitimi, Gazi Üniversitesi, 2019

Education Management and Planning, Eğiticilerin Eğitimi (Eczacılık Fakültesi), Gazi Üniversitesi, 2017

Education Management and Planning, Eğiticilerin Eğitimi (Tıp-Sağlık), Gazi Üniversitesi, 2014

Dissertations

Doctorate, Bazı piridazin türlerinin sentezi, asetilkolinesteraz ve butirilkolinesteraz inhibitör etkilerinin in vitro olarak incelenmesi, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasotik Kimya (Dr), 2017

Research Areas

Pharmaceutical Chemistry

Academic Titles / Tasks

Assistant Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2023 - Continues
Research Assistant PhD, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2017 - Continues
Research Assistant, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2011 - 2017

Courses

MEZUNİYET PROJESİ II, Undergraduate, 2020 - 2021, 2019 - 2020
MEZUNİYET PROJESİ II UYGULAMA, Undergraduate, 2020 - 2021, 2019 - 2020
FARMASÖTİK KİMYA I UYGULAMA, Undergraduate, 2019 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synthesis and investigation of the cholinesterase inhibitory and antioxidant capacities of some novel N'-(quinolin-4-ylmethylene)propanehydrazides against Alzheimer's disease**
KILIÇ B., DOĞRUER D. S.
Drug Development Research, vol.85, no.3, 2024 (SCI-Expanded)
- II. **Synthesis and evaluation of multitarget new 2-aminothiazole derivatives as potential anti-Alzheimer's agents**
Bardakkaya M., KILIÇ B., SAĞKAN R. I., Aksakal F., Shakila S., DOĞRUER D. S.
ARCHIV DER PHARMAZIE, vol.356, no.8, 2023 (SCI-Expanded)
- III. **New thiourea and benzamide derivatives of 2-aminothiazole as multi-target agents against Alzheimer's disease: Design, synthesis, and biological evaluation**
Kılıç B., Erdoğan Bardakkaya M., Sağkan R. I., Aksakal Dağdelen F., Shakila S., Doğruer D. S.
Bioorganic Chemistry, vol.131, 2023 (SCI-Expanded)
- IV. **Design, synthesis and biological evaluation of new benzoxazolone/benzothiazolone derivatives as multi-target agents against Alzheimer's disease**
Erdogan M., Kılıç B., Sagkan R. I., Aksakal F., Ercetin T., Gulcan H. O., Doğruer D. S.
European Journal of Medicinal Chemistry, vol.212, 2021 (SCI-Expanded)
- V. **Design, Synthesis and Investigation of New Diphenyl Substituted Pyridazinone Derivatives as Both Cholinesterase and A beta-Aggregation Inhibitors**
Kılıç B., Erdogan M., Gulcan H. O., Aksakarl F., Oruklu N., Bağrıaçık E. Ü., Doğruer D. S.
MEDICINAL CHEMISTRY, vol.15, no.1, pp.59-76, 2019 (SCI-Expanded)
- VI. **Design and synthesis of some new carboxamide and propanamide derivatives bearing phenylpyridazine as a core ring and the investigation of their inhibitory potential on in-vitro acetylcholinesterase and butyrylcholinesterase**
Kılıç B., Gulcan H. O., Aksakal F., Ercetin T., Oruklu N., Bagriacik E. Ü., Doğruer D. S.
BIOORGANIC CHEMISTRY, vol.79, pp.235-249, 2018 (SCI-Expanded)
- VII. **Synthesis of Some New 1(2H)-Phthalazinone Derivatives and Evaluation of Their Acetylcholinesterase and Butyrylcholinesterase Inhibitory Activities**
KILIÇ B., Gulcan H. O., Yalcin M., Aksakal F., Dimoglo A., Sahin M. F., DOĞRUER D. S.
LETTERS IN DRUG DESIGN & DISCOVERY, vol.14, no.2, pp.159-166, 2017 (SCI-Expanded)
- VIII. **Synthesis of some 3(2H)-pyridazinone and 1(2H)-phthalazinone derivatives incorporating aminothiazole moiety and investigation of their antioxidant, acetylcholinesterase, and butyrylcholinesterase inhibitory activities**
Yamali C., Gulcan H. O., Kahya B., Cobanoglu S., ŞÜKÜROĞLU M. K., DOĞRUER D. S.
MEDICINAL CHEMISTRY RESEARCH, vol.24, no.3, pp.1210-1217, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **BAZI BENZOKSAZOL-2(3H)-ON/BENZOTİYAZOL-2(3H)-ON TÜREVLERİNİN SENTEZİ VE ALZHEIMER HASTALIĞINA KARŞI ETKİLERİNİN İNCELENMESİ**
BARDAKKAYA M., KILIÇ B., DOĞRUER D. S.
ANKARA UNIVERSITESI ECZACILIK FAKULTESİ DERGİSİ, vol.48, no.1, 2024 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Bazı 2-Fenoksiasetamit/ 3-Fenoksipropanamit Türevlerinin Sentezi ve Biyolojik Aktivitelerinin Değerlendirilmesi.**
Shakila S., Kılıç B., Sağkan R. I., Aksakal F., Doğruer D. S.
VI. Ulusal Farmasötik Kimya Kongresi, İstanbul, Turkey, 26 - 29 August 2022, pp.1-2
- II. **BAZI PİRİDAZİN TÜREVLERİNİN SENTEZİ, ASETİLKOLİNESTERAZ VE BUTİRİLKOLİNESTERAZ İNHİBITÖR ETKİLERİNİN İN VITRO OLARAK İNCELENMESİ**
KILIÇ B., DOĞRUER D. S.
VI. Ulusal Farmasötik Kimya Kongresi, İstanbul, Turkey, 26 August 2022
- III. **Synthesis of Some New Acetamide Derivatives, Investigation of Their In Vitro Cholinesterase Inhibitory, Antioxidant and Metal Chellator Activities**
KILIÇ B., DOĞRUER D. S.
International Scientific Research Congress Dedicated to The 30th Anniversary of Baku Eurasia University, Baku, Azerbaijan, 27 April 2022
- IV. **Synthesis of some new 2-phenoxyacetamide and 3-phenoxypropanamide derivatives and evaluation of their cholinesterase inhibitor activities**
Shakila S., Kılıç B., Aksakal F., Doğruer D. S.
13th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 22 June 2021
- V. **Design, Synthesis And Investigation Of New Diphenyl Substituted Pyridazinone Derivatives As Both Cholinesterase And A β -Aggregation Inhibitors**
ERDOĞAN M., KILIÇ B., GÜLCAN H. O., AKSAKAL F., DOĞRUER D. S.
54TH INTERNATIONAL CONFERENCE ON MEDICINAL CHEMISTRY (RICT2018), Strasbourg, France, 4 - 06 July 2018
- VI. **Synthesis Of New Benzothiazolone Derivatives And Evaluation Of Their Effects On Cholinesterase Enzymes**
ERDOĞAN M., KILIÇ B., DOĞRUER D. S.
2nd International Gazi Pharma Symposium Series (gpss2017), 11 - 13 October 2017
- VII. **Synthesis Of Some Pyridazine Derivatives, Investigation Of Their In Vitro Acetylcholinesterase And Butyrylcholinesterase Inhibitory Activities**
KILIÇ B., GÜLCAN H. O., AKSAKAL F., DOĞRUER D. S.
2nd International Gazi Pharma Symposium Series (GPSS2017), 11 - 13 October 2017
- VIII. **Synthesis Of Some New Benzoxazolone Derivatives And Evaluation Of Their Cholinesterase Inhibitor Activities**
ERDOĞAN M., KILIÇ B., DOĞRUER D. S.
The 10th Joint Meeting On Medicinal Chemistry 2017 (jmmc2017), 25 - 28 June 2017
- IX. **Synthesis Of Some New Benzothiazolone Derivatives And Investigation Of Their Cholinesterase Inhibitor Activities**
DOĞRUER D. S., ERDOĞAN M., KILIÇ B.
The 10th Joint Meeting On Medicinal Chemistry 2017 (jmmc2017), 25 - 28 June 2017
- X. **Development of Some New Pyridazine Derivatives for Cholinesterase Inhibition**
KILIÇ B., DOĞRUER D. S.
Rencontres Internationales de Chimie Thérapeutique (RICT 2016), 6 - 08 July 2016
- XI. **Design and Synthesis of Some New Benzoxazolone Derivatives for Cholinesterase Inhibition**

- DOĞRUER D. S., ERDOĞAN M., KILIÇ B.
Rencontres Internationales de Chimie Thérapeutique (RICT 2016), Caen, France, 6 - 08 July 2016
- XII. **Synthesis of Some New 5,6-Diphenyl Pyridazinone Derivatives and Investigation Of Their Acetylcholinesterase Butyrylcholinesterase**
ERDOĞAN M., KILIÇ B., DOĞRUER D. S.
Rencontres Internationales de Chimie Thérapeutique (RICT 2016), 6 - 08 July 2016
- XIII. **Bazı Yeni 1(2H)-Fitalazinon Türevlerinin Sentezi Ve Biyolojik Aktivitelerinin İncelenmesi**
YALÇIN M., KILIÇ B., DİMOGLU A., DOĞRUER D. S.
Türk Farmasötik ve Medisinal Kimya Derneği 4. Ulusal Farmasötik Kimya Kongresi, Girne, Cyprus (Kktc), 29 April - 01 May 2016
- XIV. **Synthesis of Some New 4,5-Diphenyl 3-(2H) Pyridazinone Derivatives and Evaluation of Their Inhibitory Activities on Acetylcholinesterase Butyrylcholinesterase Enzymes**
KILIÇ B., DOĞRUER D. S.
1st International Gazi Pharma Symposium Series, Antalya, Turkey, 12 - 15 November 2015, pp.189
- XV. **Synthesis of Some New 1(2H)-Phthalazinone Derivatives and Evaluation of Their Acetylcholinesterase and Butyrylcholinesterase Inhibitory Activities**
DOĞRUER D. S., KILIÇ B., MERTCAN Y., DİMOGLU A.
1st International Gazi Pharma Symposium Series, Antalya, Turkey, 12 - 15 November 2015, pp.187
- XVI. **Synthesis of Some New 4,6-Diphenyl 3(2H)-pyridazinone Derivatives and Evaluation of Their Inhibitory Activities on Acetylcholinesterase Butyrylcholinesterase Enzymes**
KILIÇ B., DOĞRUER D. S.
10th AFMC International Medicinal Chemistry Symposium, JEJU, South Korea, 18 - 21 October 2015, pp.204
- XVII. **Synthesis of Some 3(2H)-Pyridazinone and 1(2H)-Phthalazinone Derivatives Incorporating Aminothiazole Moiety and Investigation of Their Antioxidant, Acetylcholinesterase and Butyrylcholinesterase Inhibitory Activities.**
DOĞRUER D. S., YAMALI C., KILIÇ B., OLĞAÇ S., ŞÜKÜROĞLU M. K.
XXIII International Symposium on Medicinal Chemistry (EFMC-ISMC2014), Lizbon, Portugal, 7 - 11 September 2014

Supported Projects

KILIÇ B., Project Supported by Higher Education Institutions, N'-(4-okso-4H-kromen-3-il)metilen ve N'-(kinolin-4-il)metilen propanhidrazit türevi bazı yeni moleküllerin kolinesteraz inhibitör kapasitelerinin incelenmesi, 2023 - 2024

KILIÇ B., Project Supported by Higher Education Institutions, Kromon-2-karboksamit/Kromon-3-karboksamit türevi bazı yeni moleküllerin sentezlenmesi, kolinesteraz ve monoamin oksidaz inhibitör etkilerinin incelenmesi, 2021 - 2023

Doğruer D. S., Kılıç B., Dimoglu A., Sağkan R. I., TUBITAK Project, Hibrit Yapıda Yeni 2-Aminotiyazol Türevlerinin Tasarımı, Sentezi ve Alzheimer Hastalığı Üzerine In-Vitro Etkilerinin İncelenmesi, 2018 - 2022

Doğruer D. S., Dimoglu A., TUBITAK Project, Bazı 1,3-benzoksazol-2(3H)-on ve 1,3-benzotiyazol-2(3H)-on türevi yeni moleküllerin sentezlenmesi, asetilkolinesteraz/butirilkolinesteraz ve amiloid- β agregasyon inhibisyonlarının incelenmesi, 2015 - 2018

Doğruer D. S., TUBITAK Project, Bazı Difenil Sübstidue Piridazinon Türevi Moleküllerin Sentezlenmesi ve Asetilkolinesteraz Butirilkolinesteraz Inhibitör Aktivitelerinin Araştırılması, 2014 - 2015

Doğruer D. S., Özkan Y., Kılıç B., Project Supported by Higher Education Institutions, Bazı 2-Sübstidue/2,4-Disübstidue Fitalazinon Türevlerinin Sentezi ve Antimikrobiyal Aktivitelerinin İncelenmesi, 2012 - 2015

Memberships / Tasks in Scientific Organizations

The Organization for Women in Science for the Developing World (OWSD), Member, 2023 - Continues, Italy

Scientific Refereeing

Journal of the Turkish Chemical Society, Section A: Chemistry, Other Indexed Journal, December 2023
ANKARA UNIVERSITESI ECZACILIK FAKULTESI DERGİSİ, Other Indexed Journal, October 2023
MEDICINAL CHEMISTRY RESEARCH, SCI Journal, August 2023

Metrics

Publication: 26

Citation (WoS): 45

Citation (Scopus): 70

H-Index (WoS): 5

H-Index (Scopus): 5