

Assoc. Prof. BURCU KILIÇ

Personal Information

Office Phone: [+90 312 202 3230](tel:+903122023230)

Email: burcukahya@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/burcukahya>

Address: Gazi Üniversitesi Eczacılık Fakültesi Farmasötik Kimya Anabilim Dalı Dekanlık
Binası Kat:4



International Researcher IDs

ScholarID: IOfq5jgAAAAJ

ORCID: 0000-0001-8737-829X

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, Eğitimcilerin Eğitimi (Eczacılık Fakültesi), Gazi Üniversitesi, 2017

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

Dissertations

Doctorate, Bazı piridazin türevlerinin 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

Doctorate

KÜTLE SPEKTROSKOPİSİ, Doctorate, 2023 - 2024

Undergraduate

FARMASÖTİK ORGANİK KİMYA I, Undergraduate, 2023 - 2024

FARMASÖTİK KİMYA UYGULAMA II, Undergraduate, 2023 - 2024

FARMASÖTİK KİMYA UYGULAMA IV, Undergraduate, 2023 - 2024

MEZUNİYET PROJESİ II, Undergraduate, 2020 - 2021, 2019 - 2020

MEZUNİYET PROJESİ II UYGULAMA, Undergraduate, 2020 - 2021, 2019 - 2020

FARMASÖTİK KİMYA I UYGULAMA, Undergraduate, 2019 - 2020

Jury Memberships

Doctoral Examination, Doctoral Examination, Ankara Üniversitesi, July, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, May, 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Multifunctional anti-Alzheimer's agents: Synthesis, biological evaluation, and molecular docking study of new 2-phenoxyacetamide/3-phenoxypro-panamide/4-oxobutanamide derivatives**
Shakila S., Kılıç B., Bardakkaya M., Aksakal F., Sağkan R. I., Doğruer D. S.
JOURNAL OF MOLECULAR STRUCTURE, vol.1317, 2024 (SCI-Expanded)
- II. **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)
- III. **Synthesis and evaluation of multitarget new 2-aminothiazole derivatives as potential anti-Alzheimer's agents**
Bardakkaya M., Kılıç B., Sağkan R. I., Aksakal F., Shakila S., Doğruer D. S.
ARCHIV DER PHARMAZIE, vol.356, no.8, 2023 (SCI-Expanded)
- IV. **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)
- V. **Design, synthesis and biological evaluation of new benzoxazolone/benzothiazolone derivatives as multi-target agents against Alzheimer's disease**
Erdogan M., Kılıç B., Sağkan R. I., Aksakal F., Ercetin T., Gulcan H. O., Doğruer D. S.
European Journal of Medicinal Chemistry, vol.212, 2021 (SCI-Expanded)
- VI. **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., Aksakal F., Oruklu N., Bağrıaçık E. Ü., Doğruer D. S.
MEDICINAL CHEMISTRY, vol.15, no.1, pp.59-76, 2019 (SCI-Expanded)
- VII. **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. N., Ercetin T., Oruklu N., Bagriacik E. Ü., Doğruer D. S.

BIOORGANIC CHEMISTRY, vol.79, pp.235-249, 2018 (SCI-Expanded)

VIII. Synthesis of Some New 1(2H)-Phthalazinone Derivatives and Evaluation of Their Acetylcholinesterase and Butyrylcholinesterase Inhibitory Activities

Kılıç 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)

IX. 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. Design, synthesis, and biological evaluation of novel N'-(4-oxo-4H-chromen-3-yl) methylene propanehydrazides for Alzheimer's disease

KILIÇ B.

JOURNAL OF RESEARCH IN PHARMACY, vol.28, no.5, pp.1344-1356, 2024 (ESCI)

II. DESIGN, SYNTHESIS, AND BIOLOGICAL ASSESSMENT OF NOVEL N-(BENZYLIDENE)PROPANEHYDRAZIDES AS MTDL FOR ALZHEIMER'S DISEASE

Kılıç B.

ANKARA UNIVERSITESI ECZACILIK FAKULTESI DERGISI, vol.48, 2024 (Scopus)

III. BAZI BENZOKSAZOL-2(3H)-ON/BENZOTİYAZOL-2(3H)-ON TÜREVLERİNİN SENTEZİ VE ALZHEİMER HASTALIĞINA KARŞI ETKİLERİNİN İNCELENMESİ

BARDAKKAYA M., KILIÇ B., DOĞRUER D. S.

ANKARA UNIVERSITESI ECZACILIK FAKULTESI DERGISI, vol.48, no.1, 2024 (Scopus)

Papers Published in Refereed Scientific Meetings

I. Design, synthesis and biological investigation of the novel 4-oxo-4H-chromene-(2/3)-carboxamide derivatives as an anti-Alzheimer agents

Kılıç B.

7th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2024), Ankara, Turkey, 2 - 04 October 2024, pp.37

II. BAZI PİRİDAZİN TÜREVLERİNİN SENTEZİ, ASETİLKOLİNESTERAZ VE BUTİRİLKOLİNESTERAZ İNHİBİTÖR ETKİLERİNİN İN VİTRO OLARAK İNCELENMESİ

KILIÇ B., DOĞRUER D. S.

VI. Ulusal Farmasötik Kimya Kongresi, İstanbul, Turkey, 26 August 2022

III. 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

IV. 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

- V. **Synthesis of some new 2-phenoxyacetamide and 3-phenoxypropanamide derivatives and evaluation of their cholinesterase inhibitor activities**
Shakila S., Kılıç B., Aksakal F., Dođruer D. S.
13th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 22 June 2021
- VI. **Design, Synthesis And Investigation Of New Diphenyl Substituted Pyridazinone Derivatives As Both Cholinesterase And A β -Aggregation Inhibitors**
ERDOĐAN M., KILIÇ B., GÜLCAN H. O., AKSAKAL F., DOĐRUER D. S.
54TH INTERNATIONAL CONFERENCE ON MEDICINAL CHEMISTRY (RICT2018), Strasbourg, France, 4 - 06 July 2018
- VII. **Synthesis Of New Benzothiazolone Derivatives And Evaluation Of Their Effects On Cholinesterase Enzymes**
ERDOĐAN M., KILIÇ B., DOĐRUER D. S.
2nd International Gazi Pharma Symposium Series (gpss2017), 11 - 13 October 2017
- VIII. **Synthesis Of Some Pyridazine Derivatives, Investigation Of Their In Vitro Acetylcholinesterase And Butyrylcholinesterase Inhibitory Activities**
KILIÇ B., GÜLCAN H. O., AKSAKAL F., DOĐRUER D. S.
2nd International Gazi Pharma Symposium Series (GPSS2017), 11 - 13 October 2017
- IX. **Synthesis Of Some New Benzoxazolone Derivatives And Evaluation Of Their Cholinesterase Inhibitor Activities**
ERDOĐAN M., KILIÇ B., DOĐRUER D. S.
The 10th Joint Meeting On Medicinal Chemistry 2017 (jmmc2017), 25 - 28 June 2017
- X. **Synthesis Of Some New Benzothiazolone Derivatives And Investigation Of Their Cholinesterase Inhibitor Activities**
DOĐRUER D. S., ERDOĐAN M., KILIÇ B.
The 10th Joint Meeting On Medicinal Chemistry 2017 (jmmc2017), 25 - 28 June 2017
- XI. **Development of Some New Pyridazine Derivatives for Cholinesterase Inhibition**
KILIÇ B., DOĐRUER D. S.
Rencontres Internationales de Chimie Thérapeutique (RICT 2016), 6 - 08 July 2016
- XII. **Design and Synthesis of Some New Benzoxazolone Derivatives for Cholinesterase Inhibition**
DOĐRUER D. S., ERDOĐAN M., KILIÇ B.
Rencontres Internationales de Chimie Thérapeutique (RICT 2016), Caen, France, 6 - 08 July 2016
- XIII. **Synthesis of Some New 5,6-Diphenyl Pyridazinone Derivatives and Investigation Of Their Acetylcholinesterase Butyrylcholinesterase**
ERDOĐAN M., KILIÇ B., DOĐRUER D. S.
Rencontres Internationales de Chimie Thérapeutique (RICT 2016), 6 - 08 July 2016
- XIV. **Bazı Yeni 1(2H)-Fitalazinon Türevlerinin Sentezi Ve Biyolojik Aktivitelerinin İncelenmesi**
YALÇIN M., KILIÇ B., DİMOGLO A., DOĐRUER D. S.
Türk Farmasötik ve Medisinal Kimya Derneđi 4. Ulusal Farmasötik Kimya Kongresi, Girne, Cyprus (Kkct), 29 April - 01 May 2016
- XV. **Synthesis of Some New 4,5-Diphenyl 3-(2H) Pyridazinone Derivatives and Evaluation of Their Inhibitory Activities on Acetylcholinesterase Butyrylcholinesterase Enzymes**
KILIÇ B., DOĐRUER D. S.
1st International Gazi Pharma Symposium Series, Antalya, Turkey, 12 - 15 November 2015, pp.189
- XVI. **Synthesis of Some New 1(2H)-Phthalazinone Derivatives and Evaluation of Their Acetylcholinesterase and Butyrylcholinesterase Inhibitory Activities**
DOĐRUER D. S., KILIÇ B., MERTCAN Y., DİMOGLO A.
1st International Gazi Pharma Symposium Series, Antalya, Turkey, 12 - 15 November 2015, pp.187
- XVII. **Synthesis of Some New 4,6-Diphenyl 3(2H)-pyridazinone Derivatives and Evaluation of Their Inhibitory Activities on Acetylcholinesterase Butyrylcholinesterase Enzymes**
KILIÇ B., DOĐRUER D. S.
10th AFMC International Medicinal Chemistry Symposium, JEJU, South Korea, 18 - 21 October 2015, pp.204

XVIII. 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., Dimoglo A., Sağkan R. I., TÜBİTAK Project, Hibrit Yapıda Yeni 2-Aminotiyazol Türevlerinin Tasarımı, Sentezi ve Alzheimer Hastalığı Üzerine In-Vitro Etkilerinin İncelenmesi, 2018 - 2022

Doğruer D. S., Dimoglo A., TÜBİTAK 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., TÜBİTAK Project, Bazı Difenil Sübstitüe 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-Sübstitüe/2,4-Disübstitüe 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

Peer Reviews in Scientific Publications

Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, March 2025

BMC Chemistry, Journal Indexed in SCI-E, October 2024

MOLECULAR DIVERSITY, Journal Indexed in SCI-E, July 2024

FUTURE MEDICINAL CHEMISTRY, Journal Indexed in SCI-E, July 2024

ANKARA UNIVERSİTESİ ECZACILIK FAKULTESİ DERGİSİ, Other Indexed Journal, June 2024

JOURNAL OF INFLAMMATION RESEARCH, Journal Indexed in SCI-E, May 2024

CURRENT DRUG SAFETY, Journal Indexed in ESCI, May 2024

Journal of the Turkish Chemical Society, Section A: Chemistry, Other Indexed Journal, December 2023

ANKARA UNIVERSİTESİ ECZACILIK FAKULTESİ DERGİSİ, Other Indexed Journal, October 2023

MEDICINAL CHEMISTRY RESEARCH, SCI Journal, August 2023

Metrics

Publication: 30

Citation (WoS): 110

Citation (Scopus): 128

H-Index (WoS): 7

H-Index (Scopus): 7

Congress and Symposium Activities

7th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2024), Session Moderator, Ankara, Turkey, 2024