

## Asst. Prof. BURCU KILIÇ

### Personal Information

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### 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, Öğreticilerin Eğitimi (Eczacılık Fakültesi), Gazi Üniversitesi, 2017

Education Management and Planning, Öğreticilerin 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

FARMASÖTİK ORGANİK KİMYA I, Undergraduate, 2023 - 2024  
FARMASÖTİK KİMYA UYGULAMA II, Undergraduate, 2023 - 2024  
FARMASÖTİK KİMYA UYGULAMA IV, Undergraduate, 2023 - 2024  
KÜTLE SPEKTROSKOPİSİ, Doctorate, 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-phenoxypropanamide/4-oxobutanamide derivatives**  
Shakila S., KILIÇ 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., 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)

## Refereed Congress / Symposium Publications in Proceedings

- 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-Fenoksiasetamid/ 3-Fenoksipropanamid 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., Doğruer 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 $\beta$ -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
- VII. **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
- VIII. **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
- IX. **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
- X. **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
- XI. **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
- XII. **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
- XIII. **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
- XIV. **Bazı Yeni 1(2H)-Fitalazinon Türevlerinin Sentezi Ve Biyolojik Aktivitelerinin İncelenmesi**  
YALÇIN M., KILIÇ B., DİMOGLO A., DOĞRUER D. S.  
Türk Farmasötik ve Medisinal Kimya Derneği 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., DOĞRUER 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**  
DOĞRUER 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., DOĞRUER 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.**

DOĞRUEK D. S., YAMALI C., KILIÇ B., OLĞAÇ S., ŐUKÜROĞLU M. K.

XXIII International Symposium on Medicinal Chemistry (EFMC-ISMCM2014), 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., TUBITAK Project, Hibrit Yapıda Yeni 2-Aminotiyazol Türevlerinin Tasarımı, Sentezi ve Alzheimer Hastalığı Üzerine In-Vitro Etkilerinin İncelenmesi, 2018 - 2022

Doğruer D. S., Dimoglo 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 Sübstitüe Piridazinon Türevi Moleküllerin Sentezlenmesi ve Asetilkolinesteraz Butirilkolinesteraz İnhibitör 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

## **Scientific Refereeing**

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