

## Asst. Prof. Sinan BİLGİNER

### Personal Information

Office Phone: [+90 442 231 5222](tel:+904422315222)

Web: <https://avesis.atauni.edu.tr/sinan.bilginer>

### International Researcher IDs

ScholarID: KU1Gi\_sAAAAJ

ORCID: 0000-0001-5676-2045

Yoksis Researcher ID: 240068

### Education Information

Doctorate, Ataturk University, Eczacılık Fakültesi, Farmasöтик Kimya Ad, Turkey 2005 - 2011

Undergraduate, Hacettepe University, Eczacılık Fakültesi, Turkey 2001 - 2005

### Foreign Languages

English, B1 Intermediate

### Dissertations

Doctorate, HETEROSİKLİK ŞALKON ANALOGLARININ MANNİCH BAZLARININ SENTEZİ VE BİYOLOJİK AKTİVİTESİNİN DEĞERLENDİRİLMESİ, Atatürk Üniversitesi, Eczacılık Fakültesi, Farmasöтика Kimya , 2011

### Research Areas

Health Sciences, Pharmacology and Therapeutics, Professional Sciences, Pharmaceutical Chemistry

### Academic Titles / Tasks

Assistant Professor, Ataturk University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2015 - Continues

### Academic and Administrative Experience

Bölüm Stratejik Plan Komisyonu Üyesi, Ataturk University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2021 - Continues

Head of Department, Ataturk University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2019 - Continues

Rectorate Commissioner, Ataturk University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2019 - Continues

Staj komisyonu Üyeliği, Ataturk University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2018 - Continues

Fakülte Yönetim Kurulu Üyesi, Ataturk University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2018 - 2021

Atatürk Üniversitesi, 2016 - 2018

## Courses

Uzmanlık Alan Dersi, Doctorate, 2020 - 2021, 2019 - 2020  
Staj, Undergraduate, 2020 - 2021, 2019 - 2020  
Danışmanlık, Doctorate, 2020 - 2021, 2019 - 2020  
Araştırma Projesi Dersi 2, Undergraduate, 2020 - 2021, 2019 - 2020  
Nükleer Manyetik Rezonans Spektroskopisi, Undergraduate, 2020 - 2021, 2019 - 2020  
Farmasötik Kimya 2, Undergraduate, 2019 - 2020  
Farmasötik Kimya 4, Undergraduate, 2019 - 2020  
Farmasötik Kimya 1, Undergraduate, 2020 - 2021, 2019 - 2020  
Farmasötik Kimya 3, Undergraduate, 2019 - 2020  
Araştırma Projesi dersi 1, Undergraduate, 2020 - 2021, 2019 - 2020

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Evaluation of antioxidant potentials and acetylcholinesterase inhibitory effects of some new salicylic acid-salicylamide hybrids**  
KOCA M., GÜLÇİN İ., Üç E. M., Bilginer S., AYDIN A. S.  
Journal of the Iranian Chemical Society, vol.20, no.7, pp.1535-1543, 2023 (SCI-Expanded)
- II. **Synthesis, cytotoxicities, and carbonic anhydrase inhibition activities of pyrazoline-benzenesulfonamide derivatives harboring phenol/polyphenol moieties**  
BİLGİNER S., Bardaweil S. K., Demir Y., GÜLÇİN İ., KAZAZ C.  
MEDICINAL CHEMISTRY RESEARCH, vol.31, no.6, pp.925-935, 2022 (SCI-Expanded)
- III. **New benzamide derivatives and their nicotinamide/cinnamamide analogs as cholinesterase inhibitors**  
KOCA M., BİLGİNER S.  
MOLECULAR DIVERSITY, vol.26, no.2, pp.1201-1212, 2022 (SCI-Expanded)
- IV. **Effects of a Novel Benzenesulfonamide 4-(3-(4-Bromophenyl)-5-(2,4-dimethoxyphenyl)-4,5-dihydro-1H-pyrazol-1-yl) on Antioxidant Enzymes and Hematological Parameters of Rainbow Trout (*Oncorhynchus mykiss*)**  
Ozgun D. O., ALAK G., UÇAR A., Bilginer S., GÜL H. İ., Kocaman M., Yamali C., PARLAK V., ATAMANALP M., Maslat A., et al.  
PAKISTAN JOURNAL OF ZOOLOGY, vol.53, no.6, pp.2083-2089, 2021 (SCI-Expanded)
- V. **Antibacterial and Acetylcholinesterase Inhibitory Potentials of Triazenes Containing Sulfonamide Moiety**  
BİLGİNER S., GÜL H. İ., HANCI H., GÜLÇİN İ.  
PHARMACEUTICAL CHEMISTRY JOURNAL, vol.55, no.3, pp.284-289, 2021 (SCI-Expanded)
- VI. **Effects of a Novel Benzenesulfonamide 4-(3-(4-Bromophenyl)-5-(2,4-dimethoxyphenyl)-4,5-dihydro-1H-pyrazol-1-yl) on Antioxidant Enzymes and Hematological Parameters of Rainbow Trout (*Oncorhynchus mykiss*)**  
Özmen Özgün D., Alak G., Uçar A., Bilginer S., Gül H. İ., Kocaman E. M., Yamali C., Parlak V., Atamanalp M., Maslat A., et al.  
Pakistan Journal Of Zoology, vol.53, no.6, pp.2083-2089, 2021 (SCI-Expanded)
- VII. **Phenothiazine-based chalcones as potential dual-target inhibitors toward cholinesterases (AChE, BuChE) and monoamine oxidases (MAO-A, MAO-B)**  
YAMALI C., Engin F. S., BİLGİNER S., TUĞRAK M., Ozmen Ozgun D., ÖZLİ G., LEVENT S., SAĞLIK B. N., ÖZKAY Y., GÜL H. İ.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.58, no.1, pp.161-171, 2021 (SCI-Expanded)
- VIII. **Docking Studies and Antiproliferative Activities of 6-(3-aryl-2-propenoyl)-2(3H)-benzoxazolone Derivatives as Novel Inhibitors of Phosphatidylinositol 3-Kinase (PI3K alpha)**  
BİLGİNER S., Bardaweil S. K., Sabbah D. A., GÜL H. İ.

- ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.21, no.6, pp.716-724, 2021 (SCI-Expanded)
- IX. Novel Mannich bases with strong carbonic anhydrases and acetylcholinesterase inhibition effects: 3-(aminomethyl)-6-{3-[4-(trifluoromethyl)phenyl]acryloyl}-2(3H)-benzoxazolones  
BİLGİNER S., ANİL B., KOCA M., DEMİR Y., GÜLÇİN İ.  
TURKISH JOURNAL OF CHEMISTRY, vol.45, no.3, pp.805-818, 2021 (SCI-Expanded)
- X. Oleuropein and Verbascoside - Their Inhibition Effects on Carbonic Anhydrase and Molecular Docking Studies  
AĞGÜL A. G., TASLİMI P., KUZU M., UZUN N., BİLGİNER S., GÜLÇİN İ.  
JOURNAL OF OLEO SCIENCE, vol.70, no.9, pp.1275-1283, 2021 (SCI-Expanded)
- XI. Synthesis and in silico studies of triazene-substituted sulfamerazine derivatives as acetylcholinesterase and carbonic anhydrases inhibitors  
BİLGİNER S., GÜL H. İ., ANİL B., DEMİR Y., GÜLÇİN İ.  
ARCHIV DER PHARMAZIE, vol.354, no.1, 2021 (SCI-Expanded)
- XII. New halogenated chalcones with cytotoxic and carbonic anhydrase inhibitory properties: 6-(3-Halogenated phenyl-2-propen-1-oyl)-2(3H)-benzoxazolones  
BİLGİNER S., GÜL H. İ., ERDAL F. S., SAKAGAMI H., GÜLÇİN İ.  
Archiv der Pharmazie, vol.353, no.6, 2020 (SCI-Expanded)
- XIII. Novel sulphonamides incorporating triazene moieties show powerful carbonic anhydrase I and II inhibitory properties  
Bilginer S., Gonder B., Gül H. İ., Kaya R., Gülçin İ., Anıl B., Supuran C. T.  
Journal of Enzyme Inhibition and Medicinal Chemistry, vol.35, no.1, pp.325-329, 2020 (SCI-Expanded)
- XIV. Synthesis, cytotoxicities, and carbonic anhydrase inhibition potential of 6-(3-aryl-2-propenoyl)-2(<math>i</math>>3H<math>i</math></math>)-benzoxazolones.  
Bilginer S., Gul H. İ., Erdal F., Sakagami H., Levent S., Gulcin I., Supuran C.  
Journal of enzyme inhibition and medicinal chemistry, vol.34, pp.1722-1729, 2019 (SCI-Expanded)
- XV. Crystal structure of 4-[5-(4-fluorophenyl)-3-(4-hydroxyphenyl)-4,5-dihydropyrazol-1-yl]benzenesulfonamide, C<sub>21</sub>H<sub>18</sub>FN<sub>3</sub>O<sub>3</sub>S  
AYDIN A., BİLGİNER S., GÜL H. İ., AKKURT M., METE E.  
ZEITSCHRIFT FÜR KRISTALLOGRAPHIE-NEW CRYSTAL STRUCTURES, vol.231, no.1, pp.81-83, 2016 (SCI-Expanded)
- XVI. Synthesis of 4-(2-substituted hydrazinyl)benzenesulfonamides and their carbonic anhydrase inhibitory effects  
Gül H. İ., Kucukoglu K., Yamali C., Bilginer S., Yuca H., Ozturk I., Taslimi P., Gülçin İ., Supuran C. T.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.31, pp.568-573, 2016 (SCI-Expanded)
- XVII. Carbonic anhydrase inhibitors. Phenols incorporating 2-or 3-pyridyl-ethenylcarbonyl and tertiary amine moieties strongly inhibit *Saccharomyces cerevisiae* beta-carbonic anhydrase  
Bilginer S., Unluer E., Gül H. İ., Mete E., Isik S., Vullo D., Ozensoy-Guler O., Beyaztas S., Capasso C., Supuran C. T.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.29, no.4, pp.495-499, 2014 (SCI-Expanded)
- XVIII. 1-(3-Aminomethyl-4-hydroxyphenyl)-3-pyridinyl-2-propen-1-ones: A novel group of tumour-selective cytotoxins  
Bilginer S., Gül H. İ., Mete E., Das U., Sakagami H., Umemura N., Dimmock J. R.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.28, no.5, pp.974-980, 2013 (SCI-Expanded)
- XIX. Synthesis and Antifungal Evaluation of 1-Aryl-2-dimethylaminomethyl-2-propen-1-one Hydrochlorides  
Mete E., Gül H. İ., Bilginer S., Algul O., Topaloglu M. E., Güllüce M., Kazaz C.  
MOLECULES, vol.16, no.6, pp.4660-4671, 2011 (SCI-Expanded)

## Articles Published in Other Journals

- I. Molecular Docking Study of Several Seconder Metabolites from Medicinal Plants as Potential

**Inhibitors of COVID-19 Main Protease**

BİLGİNER S., GÖZCÜ S., GÜVENALP Z.

TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.19, no.4, pp.431-441, 2022 (ESCI)

**II. Benzoksazolon Türevi Şalkon Bileşiklerinin Sentezi ve Biyoaktivitelerinin Araştırılması**

BİLGİNER S.

Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.1, no.13, pp.334-347, 2020 (Peer-Reviewed Journal)

**Refereed Congress / Symposium Publications in Proceedings**

**I. DESIGN, SYNTHESIS AND CHARACTERIZATION OF NEW TRIAZENE SUBSTITUTED CHALCONE DERIVATIVE SULFONAMIDE COMPOUND BY NMR VTU METHOD**

Bilginer S.

EURO ASIA 7th. INTERNATIONAL CONGRESS ON APPLIED SCIENCES, Trabzon, Turkey, 21 - 22 August 2020

**II. Radiotherapy Sensitivity and Proliferation of Breast Cancer Cell line Applied Benzoxazolone Derived Chalcone Compound**

Çakır T., Görgisen G., Bilginer S., Gül H. İ.

3rd International Medicine and Health Sciences Researches Congress, Ankara, Turkey, 13 - 14 March 2020, vol.1, pp.279-285

**III. Synthesis, Bioactivities and Docking Studies of Novel Trimethoxy Substituted Chalcone Compounds**

Bilginer S.

International Biotechnologu Congress-Bio2020, İstanbul, Turkey, 5 - 07 March 2020

**IV. Synthesis, Cholinesterase Inhibition and Molecular Docking Studies of Novel Mannich Bases of Benzoxazolone Chalcone Compounds**

Bilginer S., Koca M.

8. International Drug Chemistry Conference, Antalya, Turkey, 27 February - 01 March 2020

**V. The Design, Synthesis, NMR Analysis and Cytotoxic Activities of 6-(3-Aryl-2-Propenoyl)-2(3H)-Benzoxazolones**

BİLGİNER S., GÜL H. İ.

International IVEK BIO Congress, İstanbul, Turkey, 26 - 28 November 2018

**VI. SYNTHESIS OF NEW 2(3H)-BENZOXAZOLONE,6-[1-OXO-3-(2-FURANYL)-2-PROPYNYL] AND SPECTRAL INVESTIGATION WITH ADVANCED NMR TECHNIQUES AND THE NMR SHIFT REAGENT [Eu(fod)3]**

KAZAZ C., BİLGİNER S., GÜL H. İ., Engin F. S.

TRAMECH IX, 22 - 25 November 2017

**VII. Synthesis and Cytotoxic Activities of Mannich Bases of Heterocyclic Chalcone Analogues**

BİLGİNER S., GÜL H. İ.

3 rd International Multidisciplinary Symposium on Drug Research and Development, 5 - 07 October 2017

**VIII. Cytotoxicities of Five New Benzoxazolone Derived Chalcones**

Engin F. s., BİLGİNER S., Sakagami H., GÜL H. İ.

3 rd International Multidisciplinary Symposium on Drug Research and Development, 5 - 07 October 2017

**IX. Synthesis and spectral analysis of potentially bioactive chalcones**

BİLGİNER S., GÜL H. İ.

International Bahçeşehir University (BAU) Drug Design Congress, 13 - 15 October 2016

**X. Crystal structure of 4 5 4 fluorophenyl 3 4 hydroxyphenyl 4 5 dihydropyrazol 1 yl benzenesulfonamide C21H18FN3O3S**

BİLGİNER S., GÜL H. İ.

4th International Bahçeşehir University (BAU) Drug Design Congress, 13 - 15 October 2016

**XI. The design synthesis and NMR analysis of six compounds of 6 3 aryl 2 propenoyl 2 3H benzoxazolones**

BİLGİNER S., Engin F. S., GÜL H. İ.

- International Bahçeşehir University (BAU) Drug Design Congress, 13 - 15 October 2016
- XII. **Synthesis of 4 2 substituted hydrazinyl benzenesulfonamides and their carbonic anhydrase inhibitory effects**  
GÜL H. İ., KÜÇÜKOĞLU K., YAMALI C., BİLGİNER S., YUCA H., ÖZTÜRK İ., Parham T., GÜLÇİN İ., Claudiu S.  
International Multidisciplinary Symposium on Drug Research and Development, 15 - 17 October 2015
- XIII. **Synthesis of 1-Aryl-2-dimethylaminomethyl-2-propen-1-one Hydrochlorides by Conventional Heating and Microwave Irradiation and Evaluation of Their Antifungal Activities**  
Mete E., Bilginer S., Algül Ö., Gül H. İ., Topaloğlu M. E., Güllüce M., Kazaz C.  
26. Ulusal Kimya Kongresi, Muğla, Turkey, 1 - 06 October 2012
- XIV. **Synthesis and Antifungal Evaluation of 1-Aryl-2-dimethylaminomethyl-2-propen-1-one Hydrochlorides**  
Mete E., Bilginer S., Topaloğlu M. E., Güllüce M., Kazaz C., Gül H. İ.  
25. Ulusal Kimya Kongresi, Erzurum, Turkey, 27 June - 02 July 2011
- XV. **SYNTHESIS OF 1 4 HYDROXY 3 AMINO 1 YL METHYL PHENYL 3 PYRIDINE 3 YL PROPENONES**  
BİLGİNER S., GÜL H. İ.  
INTERNATIONAL DRUG RESEARCH AND DEVELOPMENT, Antalya, Turkey, 27 - 29 May 2011

## Supported Projects

KOCA M., ANIL B., BİLGİNER S., Project Supported by Higher Education Institutions, Potansiyel karbonik anhidraz inhibe edici özelliğe sahip metansülfonamit ve benzensülfonamit türevi tiyoüre artığı taşıyan yeni pirazolin bileşiklerinin tasarımları sentezi ve yapılarının aydınlatılması, 2021 - 2022

KOCA M., BİLGİNER S., Project Supported by Higher Education Institutions, N-(4-klorobenzil) N-(3,4-sübstitüle fenil) nikotinamit türevlerinin ve benzamit analoglarının sentezi ve in vitro kolinesteraz inhibisyon etkilerinin değerlendirilmesi, 2020 - 2020

BİLGİNER S., GÜLÇİN İ., GÜL H. İ., ANIL B., Project Supported by Higher Education Institutions, Triazen Yapısındaki Yeni Sülfonamit Türevi Moleküllerin Sentezi ve Karbonik Anhidraz İnhibisyon Potansiyellerinin Araştırılması, 2020 - 2020

KADIOĞLU Y., BİLGİNER S., YAMAN M. E., UĞAN R. A., AŞCI A., POLAT B., FERAH OKKAY I., Project Supported by Higher Education Institutions, Eczacılık Fakültesi Güdümlü Araştırma Projesi, 2018 - 2020

BİLGİNER S., GÖNDER B., Project Supported by Higher Education Institutions, 3-Aminobenzensülfonamitten Türevlenen Yeni Sülfonamit Türevi Moleküllerin Sentezi ve Karbonik Anhidraz İnhibe Edici Etkilerinin Araştırılması, 2019 - 2019

KADIOĞLU Y., POLAT B., ÖZBEK H., ATILA A., SEZEN KARAOĞLAN E., YAMAN M. E., BAYIR Y., PALABIYIK Ş. S., BİLGİNER S., Project Supported by Higher Education Institutions, Eczacılık Fakültesi Bilimsel Araştırma Destek Projesi, 2018 - 2019

KADIOĞLU Y., POLAT B., SEVİNÇ ÖZAKAR R., BİLGİNER S., ŞENOL O., YAMAN M. E., Project Supported by Higher Education Institutions, International Multidisciplinary Symposium on Drug Research and Development kongresinin düzenlenmesi, 2017 - 2018

BİLGİNER S., GÜL H. İ., Project Supported by Higher Education Institutions, "2(3H)-BENZOKSAZOLON HALKASI TAŞIYAN ŞALKON YAPISINDAKİ BİLEŞİKLERİN TASARIMI, SENTEZİ VE SİTOTOKSİK ETKİLERİNİN ARAŞTIRILMASI", 2016 - 2017

## Scientific Refereeing

ARCHIV DER PHARMAZIE, SCI Journal, June 2020  
FABAD Farmasötik Bilimler Dergisi, National Scientific Refreed Journal, June 2017

## Metrics

Publication: 36  
Citation (WoS): 286

Citation (Scopus): 300

H-Index (WoS): 10

H-Index (Scopus): 10