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### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, Ege Üniversitesi, Eczacılık Fakültesi, Farmasötik Kimya, Türkiye 1991 - 1996

Yüksek Lisans, Ege Üniversitesi, Eczacılık Fakültesi, Farmasötik Kimya, Türkiye 1989 - 1991

Lisans, Ege Üniversitesi, Eczacılık Fakültesi, Türkiye 1984 - 1988

### Yabancı Diller

İngilizce, C1 İleri

### Yaptığı Tezler

Doktora, Antineoplastik bileşikler olarak tasarlanan Mannich bazları ve izosterik piperidinol türevleri üzerinde araştırmalar, Ege Üniversitesi, Eczacılık Fakültesi, Farmasötik Kimya, 1996

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### Araştırma Alanları

Sağlık Bilimleri, Eczacılık, Meslek Bilimleri, Farmasötik Kimya

### Akademik Unvanlar / Görevler

Prof. Dr., Atatürk Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2008 - Devam Ediyor

### Akademik İdari Deneyim

Bölüm Başkanı, Atatürk Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2004 - 2019

Atatürk Üniversitesi, 2008 - 2013

## Verdiği Dersler

Araştırma Projesi II, Lisans, 2022 - 2023  
Farmasötik Kimya IV, Lisans, 2022 - 2023  
Farmasötik Kimya I, Lisans, 2023 - 2024  
Literatür Araştırma ve İnceleme , Lisans, 2023 - 2024  
İlaç Tasarımı I, Doktora, 2022 - 2023  
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Farmasötik Kimya II, Lisans, 2022 - 2023  
İlaç ve Laboratuvar Bilgisine Giriş, Lisans, 2023 - 2024  
Farmasötik Kimya Lab III, Lisans, 2022 - 2023  
Farmasötik Kimya Lab I, Lisans, 2022 - 2023  
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Uzmanlık Alan Dersi VIII, Doktora, 2022 - 2023  
Farmasötik Kimya Lab II, Lisans, 2021 - 2022  
Uzmanlık Alan Dersi I, Doktora, 2022 - 2023  
Mezuniyet Projesi I, Lisans, 2022 - 2023  
Mesleki Latince, Lisans, 2018 - 2019

## Yönetilen Tezler

Gül H. İ., Sülfonamid artığı taşıyan yeni pirazol türevlerinin sentezi ve sitotoksik etkilerinin araştırılması, Doktora, D.ÖZMEN(Öğrenci), 2021  
GÜL H. İ., Pirazol-Benzensülfonamid Türevi Bileşiklerin Tasarımı, Sentezi, Kimyasal Yapılarının Aydınlatılması Ve Biyoaktiviteleri, Doktora, C.YAMALI(Öğrenci), 2018  
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GÜL H. İ., 1-Aril-2-(N-Metilpiperazinometil)-2-Propen-1-On Kimyasal Yapısına Sahip Bileşiklerin Klasik Mannich Reaksiyonu İle Sentezi Ve Biyolojik Aktivitesinin Araştırılması, Yüksek Lisans, M.TUĞRAK(Öğrenci), 2011  
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## Jüri Üyelikleri

Tez Savunma (Doktora), Tez Savunma (Doktora), Ege Üniversitesi, Aralık, 2022

Tez Savunma (Doktora), Tez Savunma (Doktora), Ege Üniversitesi, Eylül, 2022

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **In Vitro Enzyme Activity and Molecular Docking Studies of Pyrazoline Derivatives as Monoamine Oxidase Inhibitors**  
Sakarya M. T., GÜL H. İ., YAMALI C., ÖZKAY Y., Tok T. T.  
Pharmaceutical Chemistry Journal, cilt.58, sa.3, ss.419-427, 2024 (SCI-Expanded)
- II. **Toxicological Effects of Synthesized Pyrazoline Derivative 4-(3-(4-Bromophenyl))5-(3,4-dimethoxyphenyl)-4,5-dihydro-1H-pyrazol-1-yl) Benzenesulfonamide, Compound B8 on Antioxidant Enzymes and Hematological Parameters of Rainbow Trout Alevins (*Oncorhynchus mykiss*)**  
Ozgun D. O., Maslat A. O., Abu Khadra K. M., YANIK T., ALAK G., UÇAR A., GÜL H. İ., KOCAMAN E. M., PARLAK V., Almuhur R., et al.  
JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY, cilt.35, sa.5, 2024 (SCI-Expanded)
- III. **Current Pharmaceutical Research on the Significant Pharmacophore Mannich bases in Drug Design**  
Yamalı C., Gül M., Gül H. İ.  
CURRENT TOPICS IN MEDICINAL CHEMISTRY, cilt.23, sa.27, ss.2590-2608, 2023 (SCI-Expanded)
- IV. **Higher number of microplastics in tumoral colon tissues from patients with colorectal adenocarcinoma**  
Çetin M., Demirkaya Miloğlu F., Kılıç Baygıtalp N., Ceylan O., Yıldırım S., Eser G., Gül H. İ.  
ENVIRONMENTAL CHEMISTRY LETTERS, cilt.21, sa.2, ss.639-646, 2023 (SCI-Expanded)
- V. **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, cilt.53, sa.6, ss.2083-2089, 2021 (SCI-Expanded)

- VI. **Monoamine Oxidase (MAO) as a Potential Target for Anticancer Drug Design and Development.**  
Aljanabi R., Alsous L., Sabbah D. A., Gul H. İ., Gul M., Bardaweel S. K.  
Molecules (Basel, Switzerland), cilt.26, sa.19, 2021 (SCI-Expanded)
- VII. **Comprehensive study on potent and selective carbonic anhydrase inhibitors: Synthesis, bioactivities and molecular modelling studies of 4-(3-(2-arylidenehydrazine-1-carbonyl)-5-(thiophen-2-yl)-1H-pyrazole-1-yl) benzenesulfonamides**  
YAMALI C., Sakagami H., Uesawa Y., Kurosaki K., Satoh K., Masuda Y., Yokose S., Ece A., Bua S., Angeli A., et al.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, cilt.217, 2021 (SCI-Expanded)
- VIII. **Synthesis and in vitro carbonic anhydrases and acetylcholinesterase inhibitory activities of novel imidazolinone-based benzenesulfonamides**  
TUĞRAK M., GÜL H. İ., Demir Y., LEVENT S., GÜLÇİN İ.  
ARCHIV DER PHARMAZIE, cilt.354, sa.4, 2021 (SCI-Expanded)
- IX. **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, cilt.53, sa.6, ss.2083-2089, 2021 (SCI-Expanded)
- X. **New Chalcone Derivatives with Pyrazole and Sulfonamide Pharmacophores as Carbonic Anhydrase Inhibitors**  
TUĞRAK M., GÜL H. İ., Akincioglu H., GÜLÇİN İ.  
LETTERS IN DRUG DESIGN & DISCOVERY, cilt.18, sa.2, ss.191-198, 2021 (SCI-Expanded)
- XI. **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., Bardaweel S. K., Sabbah D. A., GÜL H. İ.  
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, cilt.21, sa.6, ss.716-724, 2021 (SCI-Expanded)
- XII. **Synthesis and biological evaluation of new pyrazolebenzene-sulphonamides as potential anticancer agents and hCA I and II inhibitors**  
TUĞRAK M., GÜL H. İ., Sakagami H., Kaya R., GÜLÇİN İ.  
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- XIII. **Biological activities of a newly synthesized pyrazoline derivative 4-(3-(4-bromophenyl)-5-(2,4-dimethoxyphenyl)-4,5-dihydro-1H-pyrazol-1-yl) benzenesulfonamide (B4) compound on rainbow trout alevins, Oncorhynchus mykiss**  
Uçar A., Ozgun D. O., Alak G., Gül H. İ., Kocaman E. M., PARLAK V., ATAMANALP M., Maslat A., Almuhr R., Yamali C., et al.  
IN VITRO CELLULAR & DEVELOPMENTAL BIOLOGY-ANIMAL, cilt.57, sa.1, ss.17-20, 2021 (SCI-Expanded)
- XIV. **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, cilt.58, sa.1, ss.161-171, 2021 (SCI-Expanded)
- XV. **Evaluation of Cytotoxic Properties of N,N'-bis[(1-aryl-3-heteroaryl)propylidene]-hydrazine dihydrochlorides**  
Küçüköğlü K., Gül H. İ., Sakagami H.  
PHARMACEUTICAL CHEMISTRY JOURNAL, cilt.54, sa.8, ss.784-787, 2020 (SCI-Expanded)
- XVI. **An experimental work on radiation protection features of some bioactive compounds of Mannich bases**

- YILMAZ D., KAVAZ E., GÜL H. İ.  
Radiation Physics and Chemistry, cilt.176, 2020 (SCI-Expanded)
- XVII. **Synthesis, cytotoxic, and carbonic anhydrase inhibitory effects of new 2-(3-(4-methoxyphenyl)-5-(aryl)-4,5-dihydro-1H-pyrazol-1-yl)benzo[d]thiazole derivatives**  
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- XVIII. **Deciphering binding mechanism between bovine serum albumin and new pyrazoline compound K4.**  
Bozkurt E., Gül H. İ.  
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- XIX. **New halogenated chalcones with cytotoxic and carbonic anhydrase inhibitory properties: 6-(3-Halogenated phenyl-2-propen-1-oyl)-2(3H)-benzoxazolones**  
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- XX. **Synthesis, structure elucidation, and in vitro pharmacological evaluation of novel polyfluoro substituted pyrazoline type sulfonamides as multi-target agents for inhibition of acetylcholinesterase and carbonic anhydrase I and II enzymes**  
YAMALI C., GÜL H. İ., KAZAZ C., Levent S., GÜLÇİN İ.  
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- XXI. **Selective fluorometric "Turn-off" sensing for Hg<sup>2+</sup> with pyrazoline compound and its application in real water sample analysis**  
BOZKURT E., GÜL H. İ.  
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- XXII. **Aminoalkylated Phenolic Chalcones: Investigation of Biological Effects on Acetylcholinesterase and Carbonic Anhydrase I and II as Potential Lead Enzyme Inhibitors**  
Yamali C., GÜL H. İ., Çakır T., Demir Y., GÜLÇİN İ.  
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- XXIII. **Synthesis and bioactivities of 1-(4-hydroxyphenyl)-2-((heteroaryl)thio)ethanones as carbonic anhydrase I, II and acetylcholinesterase inhibitors**  
Yamali C., GÜL H. İ., Demir Y., KAZAZ C., GÜLÇİN İ.  
TURKISH JOURNAL OF CHEMISTRY, cilt.44, sa.4, ss.1058-1067, 2020 (SCI-Expanded)
- XXIV. **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, cilt.35, sa.1, ss.325-329, 2020 (SCI-Expanded)
- XXV. **Synthesis and pharmacological effects of novel benzenesulfonamides carrying benzamide moiety as carbonic anhydrase and acetylcholinesterase inhibitors**  
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- XXVI. **Determination and comparison of the urinary iodine levels of premature infants with and without retinopathy of prematurity**  
Çinici E., Gülaboğlu M., Çetin M., Kahveci H., Duysak L., Kutlu Z., Gül H. İ.  
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- XXVII. **Synthesis, cytotoxicities, and carbonic anhydrase inhibition potential of 6-(3-aryl-2-propenoyl)-2(3H)-benzoxazolones.**  
Bilginer S., Gul H. İ., Erdal F., Sakagami H., Levent S., Gulcin I., Supuran C.  
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- XXVIII. **Synthesis, biological evaluation and in silico modelling studies of 1,3,5-trisubstituted pyrazoles carrying benzenesulfonamide as potential anticancer agents and selective cancer-associated hCA IX isoenzyme inhibitors**  
YAMALI C., GÜL H. İ., Ece A., BUA S., ANGELİ A., SAKAGAMI H., ŞAHİN E., Supuran C. T.  
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- XXIX. **Fluorescence quenching of novel pyrazoline derivative with aniline in different solvents**  
BOZKURT E., GÜL H. İ.  
Journal of Photochemistry and Photobiology A: Chemistry, cilt.383, 2019 (SCI-Expanded)
- XXX. **Synthesis and biological evaluation of some new mono Mannich bases with piperazines as possible anticancer agents and carbonic anhydrase inhibitors**  
TUĞRAK M., GÜL H. İ., BADOW K., Sakagami H., GÜLÇİN İ., Ozkay Y., Supuran C. T.  
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- XXXI. **New phenolic Mannich bases with piperazines and their bioactivities**  
GÜL H. İ., TUĞRAK M., GÜL M., MAZLUMOĞLU S., Sakagami H., GÜLÇİN İ., Supuran C. T.  
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- XXXII. **Investigation of inhibitory properties of some hydrazone compounds on hCA I, hCA II and AChE enzymes**  
Kucukoglu K., GÜL H. İ., TASLIMI P., GÜLÇİN İ., Supuran C. T.  
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- XXXIII. **Synthesis and bioactivities of pyrazoline benzenesulfonamides as carbonic anhydrase and acetylcholinesterase inhibitors with low cytotoxicity**  
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- XXXIV. **Pyrazoline derived new "off-on-off" fluorescent pH sensors**  
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OPTICAL MATERIALS, cilt.84, ss.550-555, 2018 (SCI-Expanded)
- XXXV. **Anticancer effects of new dibenzenesulfonamides by inducing apoptosis and autophagy pathways and their carbonic anhydrase inhibitory effects on hCA I, hCA II, hCA IX, hCA XII isoenzymes.**  
GUL H. İ., YAMALI C., BULBULLER M., KIRMIZIBAYRAK P., Gul M., ANGELI A., BUA S., SUPURAN C.  
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- XXXVI. **Curcumin analogue 1,5-bis(4-hydroxy-3-((4-methylpiperazin-1-yl)methyl)phenyl)penta-1,4-dien-3-one mediates growth arrest and apoptosis by targeting the PI3K/AKT/mTOR and PKC-theta signaling pathways in human breast carcinoma cells.**  
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- XXXVII. **New anticancer drug candidates sulfonamides as selective hCA IX or hCA XII inhibitors**  
GÜL H. İ., YAMALI C., Sakagami H., ANGELİ A., LEİTANS J., KAZAKS A., TARS K., Ozgun D. O., SUPURAN C. T.  
BIOORGANIC CHEMISTRY, cilt.77, ss.411-419, 2018 (SCI-Expanded)
- XXXVIII. **Synthesis, molecular modeling, and biological evaluation of 4-[5-aryl-3-(thiophen-2-yl)-4,5-dihydro-1H-pyrazol-1-yl] benzenesulfonamides toward acetylcholinesterase, carbonic anhydrase I and II enzymes**  
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- XXXIX. **A novel pyrazoline-based fluorometric "turn-off" sensing for Hg<sup>2+</sup>**  
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### **Metrikler**

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