

Prof. Halise İnci GÜL

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Ege University, Faculty Of Pharmacy, Farmasötik Kimya, Turkey 1991 - 1996

Postgraduate, Ege University, Faculty Of Pharmacy, Farmasötik Kimya, Turkey 1989 - 1991

Undergraduate, Ege University, Faculty Of Pharmacy, Turkey 1984 - 1988

Foreign Languages

English, C1 Advanced

Dissertations

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

Postgraduate, Antineoplastik bileşikler olarak tasarlanan Stiril ketonlar ve onların amino türevleri üzerinde araştırmalar, Ege Üniversitesi, Eczacılık Fakültesi, Farmasötik Kimya, 1991

Research Areas

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

Academic Titles / Tasks

Professor, Ataturk University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2008 - Continues

Academic and Administrative Experience

Head of Department, Ataturk University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2004 - 2019

Atatürk Üniversitesi, 2008 - 2013

Courses

Araştırma Projesi II, Undergraduate, 2022 - 2023
Farmasötik Kimya IV, Undergraduate, 2022 - 2023
Farmasötik Kimya I, Undergraduate, 2023 - 2024
Literatür Araştırma ve İnceleme , Undergraduate, 2023 - 2024
İlaç Tasarımı I, Doctorate, 2022 - 2023
İleri Organik Kimya I, Doctorate, 2023 - 2024
Danışmanlık, Doctorate, 2023 - 2024, 2022 - 2023
Tıbbi Kimya I, Doctorate, 2022 - 2023
Farmasötik Kimya III, Undergraduate, 2023 - 2024
Eczacılık Alanında Çeviriler, Undergraduate, 2023 - 2024
İlaç Tasarımı II, Doctorate, 2022 - 2023
Organik Spektroskopik Analiz, Doctorate, 2023 - 2024
Farmasötik Kimya II, Undergraduate, 2022 - 2023
İlaç ve Laboratuvar Bilgisine Giriş, Undergraduate, 2023 - 2024
Farmasötik Kimya Lab III, Undergraduate, 2022 - 2023
Farmasötik Kimya Lab I, Undergraduate, 2022 - 2023
Farmasötik Kimya Lab IV, Undergraduate, 2021 - 2022
Uzmanlık Alan Dersi VIII, Doctorate, 2022 - 2023
Farmasötik Kimya Lab II, Undergraduate, 2021 - 2022
Uzmanlık Alan Dersi I, Doctorate, 2022 - 2023
Mezuniyet Projesi I, Undergraduate, 2022 - 2023
Mesleki Latince, Undergraduate, 2018 - 2019

Advising Theses

Gül H. İ., Sülfonamid artığı taşıyan yeni pirazol türevlerinin sentezi ve sitotoksik etkilerinin araştırılması, Doctorate, D.ÖZMEN(Student), 2021
GÜL H. İ., Pirazol-Benzensülfonamid Türevi Bileşiklerin Tasarımı, Sentezi, Kimyasal Yapılarının Aydınlatılması Ve Biyoaktiviteleri, Doctorate, C.YAMALI(Student), 2018
GÜL H. İ., İndanon Ve İndandionlardan Türevlenen Potansiyel Biyoaktif Bileşiklerin Sentezi Ve Biyoaktiviteleri, Doctorate, M.TUĞRAK(Student), 2016
GÜL H. İ., 4-[5-(2,4/3,4-dimetoksifenil)-3-sübstitüefenil- 4,5-dihidro-1h-pirazol-1-il] benzensülfonamid türevlerinin sentezi ve sitotoksik aktivitelerinin incelenmesi, Postgraduate, D.ÖZMEN(Student), 2016
GÜL H. İ., 5-Metil-2-İzopropilfenol'ün Mannich Bazlarının Sentezi Ve Sitotoksik Aktivitelerinin İncelenmesi, Postgraduate, A.TUĞÇE(Student), 2016
GÜL H. İ., 1-Aril-3-Dibenzilamino-Propan-1-On Hidroklorür Tipi Mannich Bazları Üzerinde Çalışmalar, Postgraduate, A.TÜRÜT(Student), 2013
GÜL H. İ., 1-[3,5-Bis (Aminometil)-4-Hidroksi-Fenil]-3-(Aril) - 2-Propen-1-On' Ların Sentezi, Sitotoksitesisi, Selektivite İndekslerinin Araştırılması, Postgraduate, F.YEŞİLYURT(Student), 2013
GÜL H. İ., 1-Aril-3-Fenetilamino-1-Propanon Hidroklorür Tipi Mono Mannich Bazlarının Konvansiyonel Yöntem Ve Mikrodalga Yöntemi İle Sentezi Ve Sentezlenen Bileşikler Üzerinde Stabilitate Çalışmaları, Postgraduate, S.PEKCAN(Student), 2013
GÜL H. İ., Potansiyel Biyoaktif Bileşikler Olan 2-(4-Hidroksifenil)Benzimidazol Mannich Bazları Üzerinde Çalışmalar, Postgraduate, Z.YAZICI(Student), 2013
GÜL H. İ., 1-Aril-3-(2-Hidroksietiltiyo)-1-Propanonların Sentezi Ve Sitotoksite Selektivite İndeksinin Ve Olası Etki Mekanizmasını Araştırılması, Postgraduate, E.ÜNLÜER(Student), 2012
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, Postgraduate, M.TUĞRAK(Student), 2011
GÜL H. İ., Potansiyel Biyoaktif Moleküller Olan 1-Aril-3-Benzilamino-1-Propanon Hidroklorürlerin Sentezlenmesi,

Postgraduate, E.KARABİBER(Student), 2011

GÜL H. İ., Heterosiklik Şalkon Anologlarının Mannich Bazlarının Sentezi Ve Biyolojik Aktivitesinin Değerlendirilmesi, Doctorate, S.BİLGİNER(Student), 2011

GÜL H. İ., 1-Aril-3-Amino-1-Propanon Hidroklorür Tipi Mono Mannich Bazlarının Konvansiyonel Yöntem Ve Mikroalga Yöntemi İle Sentezi Ve Sentezlenen Bileşikler Üzerinde Stabilité Çalışmaları, Postgraduate, E.TUTAR(Student), 2011

GÜL H. İ., 1-Aril-3-Morfolino-1-Propanon Hidroklorür Kimyasal Yapısına Sahip Bileşiklerin Mikroalga Ve Konvansiyonel Yöntem İle Sentezi, Postgraduate, G.UÇAR(Student), 2011

GÜL H. İ., 1-Aril-3-Piperidino-1-Propanon Hidroklorür Kimyasal Yapısına Sahip Bileşiklerin Mikroalga Ve Konvansiyonel Yöntem İle Sentezi, Postgraduate, A.DEMİRTAŞ(Student), 2011

GÜL H. İ., 1-Aril-2-(4-Metilpiperazino)Metil-2-Propen-1-On Dihidroklörür Kimyasal Yapısına Sahip Mannich Bazlarının Mikroalga Yöntemi İle Sentezi Ve Antifungal Aktivitesinin Araştırılması, Postgraduate, M.KOCA(Student), 2011

GÜL H. İ., 1-Aril-2-Morfolinometil-2-Propen-1-On Yapısındaki Bileşiklerin Sentezi Ve Antifungal Etkilerinin Araştırılması, Postgraduate, S.Emre(Student), 2010

GÜL H. İ., 3-Aril-1-(4-Hidroksifenil)-2-Propen-1-On Ve 1,5-Diaril-Penta-1,4-Dien-3-On Türevi Bileşiklerin Ve Onların Aminometil Türevlerinin Sentezi Ve Sitotoksik Aktivitelerinin Değerlendirilmesi, Doctorate, K.Özden(Student), 2009

GÜL H. İ., N,N'-Bis(3-Amino-1-Aril-Propiliden)Hidrazin Dihidroklörür Tipi Bazı Bileşiklerin Sentezi Ve Sitotoksik Aktivitesinin Değerlendirilmesi, Doctorate, K.KÜÇÜKOĞLU(Student), 2009

GÜL H. İ., 1-Aril-3-Fenetilamino-1-Propanon Hidroklorür Ve 4-Aril-3-Aroil-1-Fenetil-4-Piperidinol Kimyasal Yapısına Sahip Bileşiklerin Sentezi Ve Antifungal Etkilerinin Araştırılması, Postgraduate, C.Özelgöl(Student), 2008

GÜL H. İ., Şalkonların Ve Onların Mannich Bazlarının Sentezi Ve Onların Antikonvülzan, Sitotoksik Ve Antimikrobiyal Etkilerinin Araştırılması, Postgraduate, K.Özden(Student), 2005

Jury Memberships

Doctorate, Doctorate, Ege Üniversitesi, December, 2022

Doctorate, Doctorate, Ege Üniversitesi, September, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- 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, vol.58, no.3, pp.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, vol.35, no.5, 2024 (SCI-Expanded)
- III. **Current Pharmaceutical Research on the Significant Pharmacophore Mannich bases in Drug Design**
Yamah C., Gül M., Gül H. İ.
CURRENT TOPICS IN MEDICINAL CHEMISTRY, vol.23, no.27, pp.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 Bayguta N., Ceylan O., Yıldırım S., Eser G., Gül H. İ.
ENVIRONMENTAL CHEMISTRY LETTERS, vol.21, no.2, pp.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, vol.53, no.6, pp.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), vol.26, no.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, vol.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, vol.354, no.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, vol.53, no.6, pp.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, vol.18, no.2, pp.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, vol.21, no.6, pp.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.
TURKISH JOURNAL OF CHEMISTRY, vol.45, no.3, pp.528-562, 2021 (SCI-Expanded)
- 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, vol.57, no.1, pp.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, vol.58, no.1, pp.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, vol.54, no.8, pp.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, vol.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**
TUĞRAK M., GÜL H. İ., Sakagami H., GÜLÇİN İ.
Journal of Heterocyclic Chemistry, vol.57, no.7, pp.2762-2768, 2020 (SCI-Expanded)
- XVIII. **Deciphering binding mechanism between bovine serum albumin and new pyrazoline compound K4.**
Bozkurt E., Gül H. İ.
Luminescence : the journal of biological and chemical luminescence, vol.35, pp.534-541, 2020 (SCI-Expanded)
- XIX. **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)
- 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.
Bioorganic Chemistry, vol.96, 2020 (SCI-Expanded)
- XXI. **Selective fluorometric "Turn-off" sensing for Hg²⁺ with pyrazoline compound and its application in real water sample analysis**
BOZKURT E., GÜL H. İ.
Inorganica Chimica Acta, vol.502, 2020 (SCI-Expanded)
- 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.
LETTERS IN DRUG DESIGN & DISCOVERY, vol.17, no.10, pp.1283-1292, 2020 (SCI-Expanded)
- 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, vol.44, no.4, pp.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, vol.35, no.1, pp.325-329, 2020 (SCI-Expanded)
- XXV. **Synthesis and pharmacological effects of novel benzenesulfonamides carrying benzamide moiety as carbonic anhydrase and acetylcholinesterase inhibitors**
Tuğrak M., Gül H. İ., Anıl B., Gülçin İ.
TURKISH JOURNAL OF CHEMISTRY, vol.44, no.6, pp.1601-1628, 2020 (SCI-Expanded)
- 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.
TRACE ELEMENTS AND ELECTROLYTES, vol.37, no.4, pp.194-199, 2020 (SCI-Expanded)
- 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.
Journal of enzyme inhibition and medicinal chemistry, vol.34, pp.1722-1729, 2019 (SCI-Expanded)
- 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.
BIOORGANIC CHEMISTRY, vol.92, 2019 (SCI-Expanded)

- XXIX. **Fluorescence quenching of novel pyrazoline derivative with aniline in different solvents**
BOZKURT E., GÜL H. İ.
Journal of Photochemistry and Photobiology A: Chemistry, vol.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.
BIOORGANIC CHEMISTRY, vol.90, 2019 (SCI-Expanded)
- 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.
BIOORGANIC CHEMISTRY, vol.90, 2019 (SCI-Expanded)
- 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.
BIOORGANIC CHEMISTRY, vol.86, pp.316-321, 2019 (SCI-Expanded)
- XXXIII. **Synthesis and bioactivities of pyrazoline benzenesulfonamides as carbonic anhydrase and acetylcholinesterase inhibitors with low cytotoxicity**
Ozgun D. O., GÜL H. İ., YAMALI C., Sakagami H., GÜLÇİN İ., Sukuroglu M., Supuran C. T.
BIOORGANIC CHEMISTRY, vol.84, pp.511-517, 2019 (SCI-Expanded)
- XXXIV. **Pyrazoline derived new "off-on-off" fluorescent pH sensors**
BOZKURT E., GÜL H. İ., Ozgun D. O.
OPTICAL MATERIALS, vol.84, pp.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.
Bioorganic chemistry, vol.78, pp.290-297, 2018 (SCI-Expanded)
- 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.**
Badr G., GUL H. İ., YAMALI C., MOHAMED A., BADR B., Gul M., Abo M., Abo E.
Bioorganic chemistry, vol.78, pp.46-57, 2018 (SCI-Expanded)
- 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, vol.77, pp.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**
YAMALI C., GÜL H. İ., Ece A., TASLIMI P., GÜLÇİN İ.
CHEMICAL BIOLOGY & DRUG DESIGN, vol.91, no.4, pp.854-866, 2018 (SCI-Expanded)
- XXXIX. **A novel pyrazoline-based fluorometric "turn-off" sensing for Hg²⁺**
BOZKURT E., GÜL H. İ.
SENSORS AND ACTUATORS B-CHEMICAL, vol.255, pp.814-825, 2018 (SCI-Expanded)
- XL. **Synthesis and Cytotoxicities of New Azafluorenones with Apoptotic Mechanism of Action and Cell Cycle Analysis**
GÜL H. İ., TUĞRAK M., GÜL M., SAKAGAMI H., UMEMURA N., ANIL B.
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.18, no.12, pp.1770-1778, 2018 (SCI-Expanded)
- XLI. **Solvent and substituent effect on the photophysical properties of pyrazoline derivatives: A spectroscopic study**
BOZKURT E., GÜL H. İ., METE E.
Journal Of Photochemistry And Photobiology A-Chemistry, vol.352, pp.35-42, 2018 (SCI-Expanded)
- XLII. **Cytotoxicities of novel hydrazone compounds with pyrrolidinemoiety: inhibition of mitochondrial respiration may be a possible mechanism of action for the cytotoxicity of new hydrazones**

Küçüköğlü K., Gül H. İ., Gül M., Çetin Atalay R., Geny B.

Medicinal Chemistry Research, vol.27, pp.2116-2124, 2018 (SCI-Expanded)

- XLIII. **Cytotoxicity, apoptosis, and QSAR studies of phenothiazine derived methoxylated chalcones as anticancer drug candidates**
GÜL H. İ., YAMALI C., GÜNEÇAÇAR G., Sakagami H., OKUDAIRA N., UESAWA Y., KAGAYA H.
Medicinal Chemistry Research, vol.27, pp.2366-2378, 2018 (SCI-Expanded)
- XLIV. **Microwave-assisted synthesis and bioevaluation of new sulfonamides.**
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Activities in Scientific Journals

International Journal of PharmATA, Advisory Committee Member, 2022 - Continues

Memberships / Tasks in Scientific Organizations

Türk Medisinal Kimya Derneği, Member, 2018 - Continues

Scientific Refereeing

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Citation (Scopus): 3407

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Congress and Symposium Activities

3rd International Conference Onadvances Innatural Applied Scienceıcanas, Attendee, Turkey, 2018

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