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International Researcher IDs

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Publons / Web Of Science ResearcherID: F-1428-2014

ScopusID: 35509141500

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Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Kimya/Biyokimya, Turkey 1997 - 2002

Postgraduate, Gaziosman Paşa Üniversitesi, Fen Bilimleri Enstitüsü, Kimya/Organik Kimya, Turkey 1994 - 1996

Undergraduate, Van Yüzüncü Yil University, Fen Edebiyat Fakültesi, Kimya, Turkey 1989 - 1993

Research Areas

Chemistry, Biochemistry, Enzyme Kinetics, Natural Sciences

Academic Titles / Tasks

Professor, Ataturk University, Fen Fakültesi, Kimya, 2012 - Continues

Associate Professor, Ataturk University, Fen Fakültesi, Kimya, 2006 - 2012

Lecturer PhD, Ataturk University, Fen Fakültesi, Kimya, 2002 - 2006

Research Assistant PhD, Ataturk University, Fen Fakültesi, Kimya, 2002 - 2002

Research Assistant, Ataturk University, Fen Fakültesi, Kimya, 1997 - 2002

Academic and Administrative Experience

Anabilim Dalı Başkanı, Ataturk University, Fen Fakültesi, Kimya, 2024 - Continues

Rektörlük Akademik Teşvik Değerlendirme Komisyonu Üyesi, Ataturk University, Fen Fakültesi, Kimya, 2020 - 2021

Courses

Kimya laboratuvarı, Undergraduate, 2023 - 2024

Kimya ve Laboratuvar Uygulamaları, Undergraduate, 2023 - 2024

Biyokimya, Undergraduate, 2022 - 2023

Kimya, Undergraduate, 2023 - 2024

Postgraduate, 2022 - 2023
Doctorate, 2022 - 2023
Enzyme Kinetics, Postgraduate, 2023 - 2024
Enzim Kimyası, Undergraduate, 2022 - 2023
KARBOHİDRAT METABOLİZMASI, Doctorate, 2023 - 2024
Biyokimya, Undergraduate, 2022 - 2023
Uzmanlık Alan Dersi VII, Doctorate, 2021 - 2022
Uzmanlık Alan Dersi II, Doctorate, 2020 - 2021
Postgraduate, 2020 - 2021
Biyokimya I, Undergraduate, 2021 - 2022
Uzmanlık Alan Dersi VIII, Doctorate, 2020 - 2021
NÜKLEOTİD VE NÜKLEİK ASİT METABOLİZMASI, Doctorate, 2020 - 2021
Uzmanlık Alan Dersi (Yabancı Uyruklu) IV, Postgraduate, 2021 - 2022
Doctorate, 2020 - 2021
Uzmanlık Alan Dersi VI, Doctorate, 2020 - 2021
Danışmanlık, Doctorate, 2020 - 2021
Danışmanlık, Postgraduate, 2021 - 2022
Uzmanlık Alan Dersi VIII, Doctorate, 2021 - 2022
Danışmanlık, Doctorate, 2021 - 2022
Uzmanlık Alan Dersi II, Postgraduate, 2021 - 2022
Danışmanlık, Postgraduate, 2021 - 2022
VİTAMİN VE HORMONLARIN BİYOKİMYASAL ETKİ MEKANİZMALARI, Postgraduate, 2020 - 2021
Biyokimya, Undergraduate, 2021 - 2022
Postgraduate, 2020 - 2021
Uzmanlık Alan Dersi VII, Doctorate, 2020 - 2021
Uzmanlık Alan Dersi (Yabancı Uyruklu) II, Postgraduate, 2020 - 2021
Uzmanlık Alan Dersi IV, Postgraduate, 2020 - 2021
Danışmanlık, Doctorate, 2020 - 2021
Uzmanlık Alan Dersi I, Doctorate, 2019 - 2020
Uzmanlık Alan Dersi (Yabancı Uyruklu) IV, Postgraduate, 2020 - 2021
Uzmanlık Alan Dersi VIII, Doctorate, 2020 - 2021
Danışmanlık, Doctorate, 2020 - 2021
Uzmanlık Alan Dersi IV, Postgraduate, 2019 - 2020
Uzmanlık Alan Dersi (Yabancı Uyruklu) IV, Postgraduate, 2019 - 2020
Uzmanlık Alan Dersi IV, Postgraduate, 2019 - 2020
Uzmanlık Alan Dersi III, Postgraduate, 2020 - 2021
Postgraduate, 2019 - 2020
Uzmanlık Alan Dersi VII, Doctorate, 2020 - 2021
Enzyme Kinetics, Postgraduate, 2020 - 2021
Uzmanlık Alan Dersi VIII, Doctorate, 2019 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A multifunctional natural treasure based on a “one stone, many birds” strategy for designing health-promoting applications: *Tordylium apulum***
Nilofar N., Zengin G., Uba A. I., Abul N., GÜLÇİN İ., Koyuncu I., Yuksekdağ O., Kumar M Ponnaiya S., Tessappan S., Nazzaro F., et al.
Food Bioscience, vol.62, 2024 (SCI-Expanded)
- II. **Synthesis of pyrrole-heterocyclic derivatives as anti-Alzheimer and antidiabetic candidates: An in vitro-in silico study**

Petrova O. V., Tomilin D. N., ŞENOL H., Belyaeva K. V., Nikitina L. P., Oparina L. A., Sobenina L. N., Trofimov B. A., Sadeghian N., Taslimi P., et al.

Journal of Molecular Structure, vol.1315, 2024 (SCI-Expanded)

- III. **Investigation of Cuckoo-Pint's (*Arum maculatum*) Phytochemistry, In Vitro Antioxidant Potential, Enzyme Inhibition, and Antimicrobial Activity**
ASLAN K., Kelle K., Yilmaz M. A., Erden Kopar E., GÜLÇİN İ.
ChemistrySelect, vol.9, no.37, 2024 (SCI-Expanded)
- IV. **Novel regioselective sulfamidomethylation of phenols: Synthesis, characterization, biological effects, and molecular docking study**
Askarova K., Mammadova S., Farzaliyev V., Sujayev A., Sadeghian N., Taslimi P., Kılınç N., Akkuş M., Şahin A. R., Alwasel S., et al.
Journal of the Indian Chemical Society, vol.101, no.10, 2024 (SCI-Expanded)
- V. **Comprehensive phytochemical analysis of *Salvia hispanica* L. callus extracts using LC-MS/MS**
ÇELİK Ş., Dervisoglu G., Izol E., Seczyk L., Ozdemir F. A., Yilmaz M. E., Yilmaz M. A., GÜLÇİN İ., Al-Anazi K. M., Farah M. A., et al.
BIOMEDICAL CHROMATOGRAPHY, vol.38, no.10, 2024 (SCI-Expanded)
- VI. **Novel composite structures based on cobalt phthalocyanine/graphene oxide: Identification of potential drug candidates to treat Alzheimer's disease and diabetes**
Günşel A., Günşel H., Taslimi P., Taskin-Tok T., Erden B. A., Bilgiçli A. T., Sadeghian N., GÜLÇİN İ., Yarasir M. N.
Inorganica Chimica Acta, vol.570, 2024 (SCI-Expanded)
- VII. **Establishing a link between the chemical composition and biological activities of *Gladiolus italicus* Mill. from the Turkish flora utilizing *in vitro*, *in silico* and network pharmacological methodologies**
Zengin G., Cetiz M. V., Abul N., GÜLÇİN İ., Caprioli G., Piatti D., Ricciutelli M., KOYUNCU İ., Yuksekdog O., BAHŞİ M., et al.
TOXICOLOGY MECHANISMS AND METHODS, 2024 (SCI-Expanded)
- VIII. **Peripheral (E)-2-[(4-hydroxybenzylidene)-3,4-dihydronaphthalen-1(2H)-one]-coordinated phthalocyanines with improved enzyme inhibition properties and photophysicochemical behaviors**
Güleç Ö., Bilgiçli A. T., TÜZÜN B., Taslimi P., Günşel A., GÜLÇİN İ., Arslan M., Yarasir M. N.
Archiv der Pharmazie, vol.357, no.9, 2024 (SCI-Expanded)
- IX. **The synthesis of novel unnatural amino acid by intramolecular aza-Michael addition reaction as multitarget enzyme inhibitors**
Abul N., Tüzün B., Gülçin İ., Atmaca U.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, no.9, 2024 (SCI-Expanded)
- X. **Synthesis, characterization, crystal structure, molecular docking, and biological studies of Cu, Ni and Co metal complexes of pyrazole**
Mahmudov I., Ibrahimova B., Taslimi P., Sadeghian N., Karaoğlan Z., Taskin-Tok T., Abdullayev Y., Farzaliyev V., Sujayev A., Alwasel S. H., et al.
Journal of Molecular Structure, vol.1309, 2024 (SCI-Expanded)
- XI. **Synthesis and biological studies of pyrimidine derivatives targeting metabolic enzymes**
Korkusuz E., SERT Y., Arslan S., Aydın H., Yıldırım İ., Demir Y., GÜLÇİN İ., KOCA İ.
Archiv der Pharmazie, vol.357, no.8, 2024 (SCI-Expanded)
- XII. **A multidimensional study for design functional foods: Chemical profiling, antioxidant potential, enzyme inhibition, and cytotoxic effects of *Alkanna tubulosa* extracts**
Zengin G., Terzić M., Abul N., GÜLÇİN İ., Koyuncu I., Basarali M. K., Đorđević T., Cziáky Z., Jekó J., Cespedes- Acuna C. L.
Food Bioscience, vol.60, 2024 (SCI-Expanded)
- XIII. **Synthesis, characterization, crystal structure, biological activities, and molecular docking study of the (NHC)Pd(II)(Morp) (NHC: N-heterocyclic carbene, Morp: Morpholine) complexes**
AKTAŞ A., Taslimi P., Bal S., BARUT CELEPCİ D., GÖK Y., Taskin-Tok T., AYGÜN M., GÜLÇİN İ.

Polyhedron, vol.257, 2024 (SCI-Expanded)

- XIV. **Design and Synthesis of β -O-Glucosylated 5-(Arylidene)-6-Aminouracils: Towards Water-Soluble 8-Aryl Xanthines as Effective Enzyme Inhibitors**
Poslu A. H., Ertik O., Abul N., Telli F. Ç., GÜLÇİN İ., Koz Ö., Koz G.
ChemistrySelect, vol.9, no.26, 2024 (SCI-Expanded)
- XV. **Bis-Ureido-Substituted Benzenesulfonamides: Evaluation of Their Antibacterial, Anticholinesterase, and Cytotoxicity Properties**
Tekeli T., Lolak N., Tekeli Y., Bozgeyik E., AKIN ANAKÖK D., ÇETE S., GÜLÇİN İ., Akocak S.
ChemistrySelect, vol.9, no.23, 2024 (SCI-Expanded)
- XVI. **Novel benzene sulfonamides with acetylcholinesterase and carbonic anhydrase inhibitory actions**
El Ati R., Öztaşkın N., Çağan A., Akıncıoğlu A., Demir Y., Göksu S., Touzani R., Gülçin İ.
Archiv der Pharmazie, vol.357, no.6, 2024 (SCI-Expanded)
- XVII. **Functionally substituted derivatives of novel thiourea and phenylthiourea as potent aldose reductase, α -amylase, and α -glycosidase inhibitors: in vitro and in silico studies**
Sujayev A., Sadeghian N., Taslimi P., Kılınç N., Akkuş M., Özçelik B., Farzaliyev V., Alwasel S. H., GÜLÇİN İ.
Macromolecular Research, vol.32, no.6, pp.565-579, 2024 (SCI-Expanded)
- XVIII. **Bisbenzimidazole salts and their in silico-in vitro inhibitory abilities on hCA I, hCA II, and AChE enzymes**
Yılmaz U., DEMİR Y., TAŞKIN TOK T., GÖK Y., AKTAŞ A., GÜLÇİN İ.
MONATSCHEFTE FÜR CHEMIE, vol.155, pp.653-662, 2024 (SCI-Expanded)
- XIX. **Synthesis and Inhibitor Effect Novel Alkoxyethyl Derivatives of Dihetero Cycloalkanes on Carbonic Anhydrase and Acetylcholinesterase**
Farzaliyev V., ERTÜRK A., Abbasova M., Nabiyeu O., Demir Y., Kızıldağ H., Sujayev A., GÜLÇİN İ.
Chemistry and Biodiversity, vol.21, no.6, 2024 (SCI-Expanded)
- XX. **Synthesis of 1,3-Disubstituted Tetrahydropyrimidinium Salts and Determination of Their Biological Properties and Molecular Docking**
KARACA E. Ö., GÜRBÜZ N., DEMİR Y., TÜZÜN B., ÖZDEMİR İ., GÜLÇİN İ.
CHEMISTRYSELECT, vol.9, no.19, 2024 (SCI-Expanded)
- XXI. **Synthesis, characterization, and computational study of novel carvacrol-based 2-aminothiol and sulfonic acid derivatives as metabolic enzyme inhibitors**
Bytyqi-Damoni A., Uç E. M., BORA R. E., Bilgili H. G., ALAGÖZ M. A., Zengin M., GÜLÇİN İ.
Journal of Molecular Structure, vol.1303, 2024 (SCI-Expanded)
- XXII. **Structure-based inhibition of acetylcholinesterase and butyrylcholinesterase with 2-Aryl-6-carboxamide benzoxazole derivatives: synthesis, enzymatic assay, and *in silico* studies**
Kuzu B., Alagoz M. A., DEMİR Y., GÜLÇİN İ., BURMAOĞLU S., ALGÜL Ö.
MOLECULAR DIVERSITY, 2024 (SCI-Expanded)
- XXIII. ***Alchemilla pseudocartalinica* Juz: Phytochemical Screening by UPLC-MS/MS, Molecular Docking, Anti-oxidant, Anti-diabetic, Anti-glaucoma, and Anti-Alzheimer Effects**
Gueven L., Ertuerk A., YILMAZ M. A., Alwasel S., Guelcin I.
RECORDS OF NATURAL PRODUCTS, vol.18, pp.251-272, 2024 (SCI-Expanded)
- XXIV. **Design, synthesis, and evaluation of novel bistrifluoromethyl-based hydrazones as dual inhibitors of acetylcholinesterase and carbonic anhydrase enzymes for Alzheimer's disease**
DİNCEL E. D., Basoglu-Unal F., Kuran E. D., Kayra T., Aydin N., Kanber E., GÜLÇİN İ., Ulusoy-Guzeldemirci N.
CHEMICAL BIOLOGY & DRUG DESIGN, vol.103, no.2, 2024 (SCI-Expanded)
- XXV. **Comprehensive metabolic profiling of *Thymus canoviridis* (endemic) and *Thymus pubescens* var. *pubescens* using UPLC-MS/MS and evaluation of their antioxidant activities, enzyme inhibition abilities, and molecular docking studies**
Güven L., Can H., Ertürk A., Miloğlu F., Koca M., İnce F., Gülçin İ.
South African Journal of Botany, vol.165, pp.478-493, 2024 (SCI-Expanded)
- XXVI. **Exploring *Astrodaucus orientalis* (L.) Drude: Phytochemical Analysis and its Biological Potential Against Alzheimer's and Diabetes**

- YUCA H., AYDIN B., KARAKAYA S., Goger G., Bingol Z., Civas A., KOCA M., DEMİRCİ B., Sytar O., GÜLÇİN İ., et al. CHEMISTRY & BIODIVERSITY, vol.21, no.2, 2024 (SCI-Expanded)
- XXVII. **Synthesis and in vitro carbonic anhydrase and acetylcholinesterase inhibitory activities of novel hydrazide-hydrazone compounds containing 1,2,4-triazole ring**
DİNCEL E. D., Kuran E. D., Onarer B., Fıstıkçı Y., GÜLÇİN İ., Ulusoy-Güzeldemirci N. Phosphorus, Sulfur and Silicon and the Related Elements, vol.199, no.3, pp.236-244, 2024 (SCI-Expanded)
- XXVIII. **Inhibitory effects of Pb²⁺, Fe²⁺, Cd²⁺ and Co²⁺ on carbonic anhydrase enzyme from muscle of the Kangal fish (*Garra rufa*)**
KOÇYİĞİT Ü. M., GÜLÇİN İ. JOURNAL OF ELEMENTOLOGY, no.3, 2024 (SCI-Expanded)
- XXIX. **Design of novel benzimidazole-propane hydrazide derivatives as α -glucosidase and α -amylase inhibitors: in vitro and in silico studies**
Mohammadzadeh S., Karimian S., Dastyafteh N., Noori M., Doraghi F., Mohammadi-Khanaposhtani M., Larijani B., Mahdavi M., Sadeghian N., AKTAŞ A., et al. Medicinal Chemistry Research, 2024 (SCI-Expanded)
- XXX. **New palladium complexes with N-heterocyclic carbene and morpholine ligands: Synthesis, characterization, crystal structure, molecular docking, and biological activities**
Behçet A., Taslimi P., ŞEN YÜKSEL B., Taskın-Tok T., AKTAŞ A., GÖK Y., AYGÜN M., GÜLÇİN İ. Journal of Biochemical and Molecular Toxicology, vol.38, no.1, 2024 (SCI-Expanded)
- XXXI. **Assessment of Anticholinergic and Antidiabetic Properties of Some Natural and Synthetic Molecules: An In Vitro and In Silico Approach**
Çomaklı V., Aygül İ., Sağlamtaş R., Kuzu M., Demirdağ R., Akincioğlu H., Adem Ş., GÜLÇİN İ. Current Computer-Aided Drug Design, vol.20, no.5, pp.441-451, 2024 (SCI-Expanded)
- XXXII. **Novel hydrazones derived from anthranilic acid as potent cholinesterases and α -glycosidase inhibitors: Synthesis, characterization, and biological effects**
Tokalı F. S., Taslimi P., Taskin-Tok T., Karakuş A., Sadeghian N., GÜLÇİN İ. Journal of Biochemical and Molecular Toxicology, vol.38, no.1, 2024 (SCI-Expanded)
- XXXIII. **Sage (*Salvia macrochlamys*): LC-HRMS for phytochemical analysis, cytotoxicity, enzyme inhibition, antioxidant activity, molecular docking and molecular dynamics simulations**
Kızıлтаş H., Ortaakarsu A. B., Bingol Z., Goren A. C., Pinar S. M., GÜLÇİN İ. PLANT BIOSYSTEMS, vol.158, no.5, pp.1057-1075, 2024 (SCI-Expanded)
- XXXIV. **Phenolic Compounds of *Phlomis tuberosa* by LC-MS/MS-Determination of Antioxidant Activity, Molecular Docking, and Enzyme Inhibition Profiles**
GÜVEN L., ERTÜRK A., KOCA M., GÜLÇİN İ. ChemistrySelect, vol.8, no.48, 2023 (SCI-Expanded)
- XXXV. **Benzimidazolium Salts Bearing Nitrile Moieties: Synthesis, Enzyme Inhibition Profiling, and Molecular Docking Analysis for Carbonic Anhydrase and Acetylcholinesterase**
Öner E., GÖK Y., Demir Y., Taskin-Tok T., AKTAŞ A., GÜLÇİN İ., Yalın S. Chemistry and Biodiversity, vol.20, no.12, 2023 (SCI-Expanded)
- XXXVI. **The synthesis, carbonic anhydrase and acetylcholinesterase inhibition effects of sulfonyl chloride moiety containing oxazolidinones using an intramolecular aza-Michael addition**
Yıldırım A., Atmaca U., Şahin E., Taslimi P., Taskin-Tok T., Çelik M., Gülçin İ. Journal of Biomolecular Structure and Dynamics, no.12, pp.2207-2213, 2023 (SCI-Expanded)
- XXXVII. **Acetylphenyl-substituted imidazolium salts: synthesis, characterization, in silico studies and inhibitory properties against some metabolic enzymes**
Demirci Ö., TEZCAN B., Demir Y., Taskin-Tok T., GÖK Y., AKTAŞ A., GÜZEL B., GÜLÇİN İ. Molecular Diversity, vol.27, no.6, pp.2767-2787, 2023 (SCI-Expanded)
- XXXVIII. **Synthesis, characterization, biochemical, and molecular modeling studies of carvacrol-based new thiosemicarbazide and 1,3,4-thiadiazole derivatives**
Alagöz T., Çalışkan F. G., Bilgiçli H. G., Zengin M., Sadeghi M., Taslimi P., GÜLÇİN İ.

Archiv der Pharmazie, vol.356, no.12, 2023 (SCI-Expanded)

- XXXIX. **Evaluation of Carbonic Anhydrase, Acetylcholinesterase, Butyrylcholinesterase, and α -Glycosidase Inhibition Effects and Antioxidant Activity of Baicalin Hydrate**
DURMAZ L., KARAGEÇİLİ H., GÜLÇİN İ.
LIFE-BASEL, vol.13, no.11, 2023 (SCI-Expanded)
- XL. **In Vitro and in Silico Studies of 3-Hydroxyflavone-Based Sulfonate Esters: Potent Acetylcholinesterase, Carbonic Anhydrase and α -Glycosidase Inhibitors**
Guney M., Aggul A. G., Ertürk A., Gülçin İ.
ChemistrySelect, vol.8, no.40, 2023 (SCI-Expanded)
- XLI. **Phytochemical content and enzyme inhibitory effect of Heptaptera triquetra (Vent.) Tutin fruit against acetylcholinesterase and carbonic anhydrase I and II isoenzymes**
Çiçek Kaya A., ÖZBEK H., YUCA H., Yılmaz G., Bingöl Z., KAZAZ C., GÜLÇİN İ., GÜVENALP Z.
Chemical Papers, vol.77, no.10, pp.5829-5837, 2023 (SCI-Expanded)
- XLII. **Potential antioxidant, anticholinergic, antidiabetic and antiglaucoma activities and molecular docking of spiraeoside as a secondary metabolite of onion (*Allium cepa*)**
DURMAZ L., Kızıldağ H., Karageçili H., Alwaseel S., GÜLÇİN İ.
Saudi Pharmaceutical Journal, vol.31, no.10, 2023 (SCI-Expanded)
- XLIII. **Novel Quinazolinone Derivatives: Potential Synthetic Analogs for the Treatment of Glaucoma, Alzheimer's Disease and Diabetes Mellitus**
Tokalı F. S., Taslimi P., TÜZÜN B., Karakuş A., Sadeghian N., GÜLÇİN İ.
Chemistry and Biodiversity, vol.20, no.10, 2023 (SCI-Expanded)
- XLIV. **Synthesis of new carboxylates and sulfonates containing thiazolidin-4-one ring and evaluation of inhibitory properties against some metabolic enzymes**
Tokalı F. S., Taslimi P., TÜZÜN B., Karakuş A., Sadeghian N., GÜLÇİN İ.
Journal of the Iranian Chemical Society, vol.20, no.10, pp.2631-2642, 2023 (SCI-Expanded)
- XLV. **Comprehensive Phytochemical Content by LC/MS/MS and Anticholinergic, Antiglaucoma, Antiepilepsy, and Antioxidant Activity of Apilarnil (Drone Larvae)**
Inci H., İzol E., Yılmaz M. A., İlkaya M., Bingöl Z., GÜLÇİN İ.
Chemistry and Biodiversity, vol.20, no.10, 2023 (SCI-Expanded)
- XLVI. **Novel coumarin-chalcone derivatives: Synthesis, characterization, antioxidant, cyclic voltammetry, molecular modelling and biological evaluation studies as acetylcholinesterase, α -glycosidase, and carbonic anhydrase inhibitors**
ÇELİK ONAR H., Özden E. M., Taslak H. D., GÜLÇİN İ., Ece A., Erçağ E.
Chemico-Biological Interactions, vol.383, 2023 (SCI-Expanded)
- XLVII. **Antioxidant, Antiglaucoma, Anticholinergic, and Antidiabetic Effects of Kiwifruit (*Actinidia deliciosa*) Oil: Metabolite Profile Analysis Using LC-HR/MS, GC/MS and GC-FID**
Ozden E. M., Bingol Z., MUTLU M., KARAGEÇİLİ H., KÖKSAL E., Goren A. C., Alwaseel S. H., GÜLÇİN İ.
LIFE-BASEL, vol.13, no.9, 2023 (SCI-Expanded)
- XLVIII. **Antioxidant, antidiabetic, antiglaucoma, and anticholinergic effects of Tayfi grape (*Vitis vinifera*): A phytochemical screening by LC-MS/MS analysis**
KARAGEÇİLİ H., İzol E., KİREÇÇİ E., GÜLÇİN İ.
OPEN CHEMISTRY, vol.21, no.1, 2023 (SCI-Expanded)
- XLIX. **Isoraxidin: Antioxidant, Anti-carbonic Anhydrase, Anti-cholinesterase, Anti-diabetic, and in Silico Properties**
DURMAZ L., GÜLÇİN İ., Taslimi P., TÜZÜN B.
CHEMISTRYSELECT, vol.8, no.34, 2023 (SCI-Expanded)
- L. **DPPH Radical Scavenging Assay**
GÜLÇİN İ., Alwaseel S. H.
Processes, vol.11, no.8, 2023 (SCI-Expanded)
- LI. **Synthesis and Biological Activity of Some Bromophenols and Their Derivatives Including Natural Products**

- Bayrak C., Taslimi P., Kilinc N., GÜLÇİN İ., MENZEK A.
Chemistry and Biodiversity, vol.20, no.8, 2023 (SCI-Expanded)
- LII. **Screening of in Vitro Inhibition of Lactoperoxidase Enzyme by Methyl Benzoate Derivatives with Molecular Docking Studies**
Abul N., Gerni S., Korkmaz I. N., Demir Y., ÖZDEMİR H., GÜLÇİN İ.
CHEMISTRY & BIODIVERSITY, vol.20, no.8, 2023 (SCI-Expanded)
- LIII. **LC-ESI-MS/MS analysis of secondary metabolites of different St. John's wort (*Hypericum perforatum*) extracts used as food supplements and evaluation of developmental toxicity on zebrafish (*Danio rerio*) embryos and larvae**
Atalar M. N., Köktürk M., Altındağ F., Ozhan G., Özen T., Demirtas İ., GÜLÇİN İ.
South African Journal of Botany, vol.159, pp.580-587, 2023 (SCI-Expanded)
- LIV. **The Comparison with Commercial Antioxidants, Effects on Colour, and Sensory Properties of Green Tea Powder in Butter**
Çakmakçı S., Gülçin İ., Gundogdu E., Oztekin H. E., Taslimi P.
ANTIOXIDANTS, vol.12, no.8, 2023 (SCI-Expanded)
- LV. **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)
- LVI. **Design, synthesis, characterization, crystal structure, in silico studies, and inhibitory properties of the PEPSI type Pd(II)NHC complexes bearing chloro/fluorobenzyl group**
GÖK Y., Taslimi P., ŞEN YÜKSEL B., Bal S., AKTAŞ A., AYGÜN M., Sadeghi M., GÜLÇİN İ.
Bioorganic Chemistry, vol.135, 2023 (SCI-Expanded)
- LVII. **Design, synthesis, α -glucosidase inhibition, pharmacokinetic, and cytotoxic studies of new indole-carbohydrazone-phenoxy-N-phenylacetamide derivatives**
Hamedifar H., Mohammadi-Khanaposhtani M., Sherafati M., Noori M., Moazam A., Hosseini S., Larijani B., Hajimiri M. H., Mahdavi M., Erdogan M. K., et al.
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- LVIII. **Synthesis, Biological Activity Evaluation and Molecular Docking of Imidazole Derivatives Possessing Hydrazone Moiety**
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- CCLXV. **Antioxidant Activity of the Aqueous Extract of Iris taochia and Identification of its Chemical Constituents**
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- CCLXVI. **Novel amides of 1,1-bis-(carboxymethylthio)-1-arylethanes: Synthesis, characterization, acetylcholinesterase, butyrylcholinesterase, and carbonic anhydrase inhibitory properties**
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- CCLXVIII. **Characterization and inhibition effects of some metal ions on carbonic anhydrase enzyme from Kangal Akkaraman sheep**
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LXXX. Some Sulfonamide Derivatives as Effective Lactoperoxidase Inhibitors

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LXXXI. Inhibition properties of some flavonoids of carbonic anhydrase I and II isoenzymes purified from human erythrocytes

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LXXXII. Inhibition properties of some flavonoids on carbonic anhydrase I and II isoenzymes purified from human erythrocytes.

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LXXXIII. Investigation of in vivo effects of arachidonoyl dopamine on lipid peroxidation and some enzyme activities in rat tissue and erythrocytes

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LXXXVII. Inhibition properties of some flavonoids on carbonic anhydrase I, and II isoenzymes purified human erythrocytes

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LXXXVIII. Antioxidant Potencies of Endemic Species Grow in Turkey: *Iris tectoria* and Its New Anti-Glycemic Effected Natural Chemical Compound: α -Amyrin

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XC. The Synthesis of Novel Sulfamides Derived from *p*-Benzylphenethylamines as Acetylcholinesterase,

Butyrylcholinesterase and Carbonic Anhydrase Enzymes Inhibitors

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- XCV. **Molsidomine against oxidative damages caused by methotrexate in the liver of rats**
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- CI. **Antioxidant capacity of diethylstilbestrol**
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- CII. **Novel 4-vinylbenzyl Substituted NHC Precursors(Imidazolidinium): Synthesis, Characterization, and Carbonic Anhydrase and Acetylcholinesterase Inhibitory Properties**
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INDIAN JOURNAL OF PHARMACEUTICAL AND BIOLOGICAL RESEARCH, Journal Indexed in SCI-E, November 2023
Food Chemistry: X, Journal Indexed in SSCI, November 2023
BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY, Journal Indexed in ESCI, November 2023
BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY, Journal Indexed in ESCI, November 2023
Food Chemistry: X, Journal Indexed in SSCI, November 2023
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, Journal Indexed in SCI-E, November 2023
Scientific African, SCI Journal, November 2023
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, SCI Journal, November 2023
CHEMISTRY AFRICA-A JOURNAL OF THE TUNISIAN CHEMICAL SOCIETY, Journal Indexed in SCI-E, November 2023
FRONTIERS IN PHARMACOLOGY, SCI Journal, November 2023
Food Chemistry: X, Journal Indexed in SSCI, November 2023
HELIYON, SCI Journal, November 2023
CHEMICAL BIOLOGY AND DRUG DESIGN, SCI Journal, November 2023
BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, SCI Journal, October 2023
JOURNAL OF MOLECULAR STRUCTURE, Journal Indexed in SCI-E, October 2023
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FRONTIERS IN NUTRITION, SCI Journal, October 2023
INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, October 2023
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JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS, Journal Indexed in SCI-E, October 2023
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CHEMICAL BIOLOGY AND DRUG DESIGN, Journal Indexed in SCI-E, October 2023
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INTERNATIONAL IMMUNOPHARMACOLOGY, SCI Journal, September 2023
HELIYON, SCI Journal, September 2023
CHEMICAL BIOLOGY AND DRUG DESIGN, Journal Indexed in SCI-E, September 2023
Acta Pharmaceutica Sinica B, SCI Journal, September 2023
JOURNAL OF MOLECULAR STRUCTURE, Journal Indexed in SCI-E, September 2023
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JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS, Journal Indexed in SCI-E, August 2023
PROCESS BIOCHEMISTRY, Journal Indexed in SCI-E, August 2023
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BIOORGANIC AND MEDICINAL CHEMISTRY LETTERS, SCI Journal, July 2023
FRONTIERS IN ENDOCRINOLOGY, SCI Journal, July 2023
FOOD SCIENCE & NUTRITION, Journal Indexed in SCI-E, July 2023
Public Health and Toxicology, Other Indexed Journal, July 2023
SOUTH AFRICAN JOURNAL OF BOTANY, Journal Indexed in SCI-E, July 2023
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INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, Journal Indexed in SCI-E, June 2023
INORGANIC CHEMISTRY COMMUNICATION, SCI Journal, June 2023
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HELIYON, SCI Journal, May 2023
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FRONTIERS IN CHEMISTRY, SCI Journal, April 2023
HEMATOLOGY / THE EDUCATION PROGRAM OF THE AMERICAN SOCIETY OF HEMATOLOGY, SCI Journal, March 2023
CHEMICAL BIOLOGY AND DRUG DESIGN, Journal Indexed in SCI-E, March 2023
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, SCI Journal, March 2023
FOOD CHEMISTRY, Journal Indexed in SSCI, March 2023
FOOD BIOSCIENCE, SCI Journal, March 2023
SURGERY, SCI Journal, March 2023
PROCESS BIOCHEMISTRY, Journal Indexed in SCI-E, February 2023
FOODS, SCI Journal, February 2023
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, SCI Journal, February 2023
Scientific African, SCI Journal, February 2023
FOOD BIOSCIENCE, SCI Journal, February 2023
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, Journal Indexed in SCI-E, February 2023
FRONTIERS IN PHARMACOLOGY, SCI Journal, February 2023
CHEMICO-BIOLOGICAL INTERACTIONS, SCI Journal, February 2023
CHEMISTRYSELECT, Journal Indexed in SCI-E, February 2023
FOOD CHEMISTRY, SCI Journal, February 2023
NEUROTOXICOLOGY, Journal Indexed in SCI-E, February 2023
CHEMICO-BIOLOGICAL INTERACTIONS, SCI Journal, February 2023
FOOD CHEMISTRY, Journal Indexed in SSCI, February 2023
MOLECULES, Journal Indexed in SCI-E, February 2023
DISEASES, Journal Indexed in ESCI, February 2023
SURGERY, SCI Journal, January 2023
FOOD CHEMISTRY, Journal Indexed in SSCI, January 2023
CHEMISTRY AND BIODIVERSITY, Journal Indexed in SCI-E, January 2023
SOUTH AFRICAN JOURNAL OF BOTANY, Journal Indexed in SCI-E, April 2022

PROCESS BIOCHEMISTRY, Journal Indexed in SCI-E, April 2022
 INDUSTRIAL CROPS AND PRODUCTS, Journal Indexed in SCI-E, April 2022
 FOOD RESEARCH INTERNATIONAL, Journal Indexed in SCI-E, April 2022
 FOOD RESEARCH INTERNATIONAL, SCI Journal, March 2022
 INDUSTRIAL CROPS AND PRODUCTS, Journal Indexed in SCI-E, March 2022
 INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, SCI Journal, March 2022
 ENVIRONMENTAL POLLUTION, SCI Journal, March 2022
 INDUSTRIAL CROPS AND PRODUCTS, Journal Indexed in SCI-E, March 2022
 PROCESS BIOCHEMISTRY, Journal Indexed in SCI-E, February 2022
 TUBITAK Project, 2204-A High School Students Research Projects Competition , Ataturk University, Turkey, February 2022
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 NEUROTOXICOLOGY, Journal Indexed in SCI-E, January 2022
 JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, January 2022
 MOLECULES, Journal Indexed in SCI-E, January 2022
 CHEMISTRYSELECT, Journal Indexed in SCI-E, January 2022
 CURRENT ISSUES IN MOLECULAR BIOLOGY, Journal Indexed in SCI-E, January 2022
 MOLECULES, Journal Indexed in SCI-E, January 2022
 METABOLITES, Journal Indexed in SCI-E, January 2022
 PROCESS BIOCHEMISTRY, Journal Indexed in SCI-E, January 2022
 INDUSTRIAL CROPS AND PRODUCTS, Journal Indexed in SCI-E, January 2022
 SOUTH AFRICAN JOURNAL OF BOTANY, Journal Indexed in SCI-E, January 2022
 CURRENT ISSUES IN MOLECULAR BIOLOGY, Journal Indexed in SCI-E, January 2022
 INORGANIC CHEMISTRY COMMUNICATIONS, SCI Journal, September 2021
 JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, September 2021
 Indian Journal Of Chemical Society, Journal Indexed in ESCI, September 2021
 JOURNAL OF FUNCTIONAL FOODS, SCI Journal, September 2021
 ENVIRONMENTAL POLLUTION, SCI Journal, September 2021
 INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, SCI Journal, August 2021
 JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, August 2021
 Biocatalysis and Agricultural Biotechnology, Journal Indexed in ESCI, August 2021
 JOURNAL OF FUNCTIONAL FOODS, SCI Journal, August 2021

SOUTH AFRICAN JOURNAL OF BOTANY, National Scientific Refreed Journal, August 2021
JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, August 2021
SOUTH AFRICAN JOURNAL OF BOTANY, Journal Indexed in SCI-E, August 2021
JOURNAL OF FUNCTIONAL FOODS, SCI Journal, August 2021
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, SCI Journal, August 2021
Indian Journal of Chemical Society, Journal Indexed in ESCI, July 2021
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, SCI Journal, July 2021
INTERNATIONAL IMMUNOPHARMACOLOGY, SCI Journal, July 2021
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ENVIRONMENTAL TECHNOLOGY & INNOVATION, SCI Journal, July 2021
JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, July 2021
CHEMISTRYSELECT, Journal Indexed in SCI-E, July 2021
JOURNAL OF CHROMATOGRAPHY B, SCI Journal, June 2021
CHEMISTRYSELECT, Journal Indexed in SCI-E, June 2021
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, Journal Indexed in SCI-E, June 2021
INDUSTRIAL CROPS AND PRODUCTS, SCI Journal, June 2021
INTERNATIONAL IMMUNOPHARMACOLOGY, SCI Journal, June 2021
CHEMISTRYSELECT, Journal Indexed in SCI-E, June 2021
SOUTH AFRICAN JOURNAL OF BOTANY, SCI Journal, June 2021
Planta Medica, SCI Journal, June 2021
JOURNAL OF ADVANCED RESEARCH, Journal Indexed in SCI-E, June 2021
FOOD RESEARCH INTERNATIONAL, SCI Journal, June 2021
INORGANIC CHEMISTRY COMMUNICATIONS, SCI Journal, May 2021
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, Journal Indexed in SCI-E, May 2021
ENVIRONMENTAL CHEMISTRY LETTERS, SCI Journal, May 2021
EXPERT OPINION ON DRUG METABOLISM & TOXICOLOGY, SCI Journal, May 2021
FOOD RESEARCH INTERNATIONAL, SCI Journal, May 2021
NEUROTOXICOLOGY, SCI Journal, May 2021
Biocatalysis and Agricultural Biotechnology, Journal Indexed in ESCI, May 2021
JOURNAL OF FUNCTIONAL FOODS, SCI Journal, April 2021
JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, SCI Journal, April 2021
EXPERT OPINION ON THERAPEUTIC PATENTS, SCI Journal, April 2021
JOURNAL OF CHROMATOGRAPHY B, SCI Journal, April 2021
JOURNAL OF CHROMATOGRAPHY A, SCI Journal, March 2021
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SOUTH AFRICAN JOURNAL OF BOTANY, Journal Indexed in SCI-E, March 2021
SOUTH AFRICAN JOURNAL OF BOTANY, Journal Indexed in SCI-E, March 2021
COMPLEMENTARY THERAPIES IN MEDICINE, Journal Indexed in SCI-E, March 2021
JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, SCI Journal, March 2021
Biocatalysis and Agricultural Biotechnology, Journal Indexed in ESCI, March 2021
ENVIRONMENTAL TECHNOLOGY & INNOVATION, SCI Journal, March 2021
BIOORGANIC CHEMISTRY, SCI Journal, February 2021
BIOORGANIC CHEMISTRY, SCI Journal, February 2021
SOUTH AFRICAN JOURNAL OF BOTANY, SCI Journal, January 2021
BIOORGANIC CHEMISTRY, SCI Journal, January 2021
BIOORGANIC CHEMISTRY, SCI Journal, January 2021
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, SCI Journal, January 2021
INDUSTRIAL CROPS AND PRODUCTS, Journal Indexed in SCI-E, May 2011

Metrics

Publication: 742

Citation (WoS): 39011

Citation (Scopus): 41050

H-Index (WoS): 113

H-Index (Scopus): 115

Congress and Symposium Activities

9th National Catalysis Conference, Invited Speaker, Çanakkale, Turkey, 2023

XXI Chromatography Congress, Invited Speaker, Aydın, Turkey, 2023

XXI Kromatografi Kongresi, Panelists, Aydın, Turkey, 2023

1st International Congress on Analytical and Bioanalytical Chemistry, Invited Speaker, Antalya, Turkey, 2019

International Physics Conference at the Anatolian Peak, Invited Speaker, Erzurum, Turkey, 2016

3. International BAU Drugs Design Congress, Invited Speaker, İstanbul, Turkey, 2015

27. Ulusal Kimya Kongresi, Invited Speaker, Çanakkale, Turkey, 2015

International Workshop on Determining Antioxidants as Reactive Species Scavengers, Invited Speaker, İstanbul, Turkey, 2014

Awards

Gülçin İ., 37th Khwarizmi International Award, Iranian Research Organization For Sciences And Technology, February 2024

Gülçin İ., İlim Yayma Vakfı-Mühendislik, Doğa ve Sağlık Bilimleri Ödülü, İlim Yayma Vakfı, December 2023

Gülçin İ., 2023 yılı tüm kategorilerde-İkincilik, Atatürk Üniversitesi, December 2023

Gülçin İ., TÜBİTAK Sciences Award, Tübitak, December 2023

Gülçin İ., 2023 yılı araştırma kategorisinde ikincilik, Atatürk Üniversitesi, December 2023

Gülçin İ., 2022 yılı tüm kategoriler toplamında birincilik, Atatürk Üniversitesi, April 2022

Gülçin İ., 2021 yılı araştırma kategorisinde birincilik, Atatürk Üniversitesi, April 2022

Non Academic Experience

Atatürk Üniversitesi

Atatürk Üniversitesi

Atatürk Üniversitesi

Atatürk Üniversitesi

Dumlupınar Üniversitesi