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Eğitim Bilgileri

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Yüksek Lisans, Gaziosman Paşa Üniversitesi, Fen Bilimleri Enstitüsü, Kimya/Organik Kimya, Türkiye 1994 - 1996

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Araştırma Alanları

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Akademik Unvanlar / Görevler

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Doç. Dr., Atatürk Üniversitesi, Fen Fakültesi, Kimya, 2006 - 2012

Öğretim Görevlisi Dr., Atatürk Üniversitesi, Fen Fakültesi, Kimya, 2002 - 2006

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Akademik İdari Deneyim

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Rektörlük Akademik Teşvik Değerlendirme Komisyonu Üyesi, Atatürk Üniversitesi, Fen Fakültesi, Kimya, 2020 - 2021

Verdiği Dersler

Kimya laboratuvarı, Lisans, 2023 - 2024

Kimya ve Laboratuvar Uygulamaları, Lisans, 2023 - 2024

Biyokimya, Lisans, 2022 - 2023

Kimya, Lisans, 2023 - 2024

ENZİM KİNETİĞİ, Yüksek Lisans, 2022 - 2023
KARBOHİDRAT METABOLİZMASI, Doktora, 2022 - 2023
ENZİM KİNETİĞİ, Yüksek Lisans, 2023 - 2024
Enzim Kimyası, Lisans, 2022 - 2023
KARBOHİDRAT METABOLİZMASI, Doktora, 2023 - 2024
Biyokimya, Lisans, 2022 - 2023
Uzmanlık Alan Dersi VII, Doktora, 2021 - 2022
Uzmanlık Alan Dersi II, Doktora, 2020 - 2021
Danışmanlık, Yüksek Lisans, 2020 - 2021
Biyokimya I, Lisans, 2021 - 2022
Uzmanlık Alan Dersi VIII, Doktora, 2020 - 2021
NÜKLEOTİD VE NÜKLEİK ASİT METABOLİZMASI, Doktora, 2020 - 2021
Uzmanlık Alan Dersi (Yabancı Uyraklu) IV, Yüksek Lisans, 2021 - 2022
Danışmanlık, Doktora, 2020 - 2021
Uzmanlık Alan Dersi VI, Doktora, 2020 - 2021
Danışmanlık, Doktora, 2020 - 2021
Danışmanlık, Yüksek Lisans, 2021 - 2022
Uzmanlık Alan Dersi VIII, Doktora, 2021 - 2022
Danışmanlık, Doktora, 2021 - 2022
Uzmanlık Alan Dersi II, Yüksek Lisans, 2021 - 2022
Danışmanlık, Yüksek Lisans, 2021 - 2022
VİTAMİN VE HORMONLARIN BİYOKİMYASAL ETKİ MEKANİZMALARI, Yüksek Lisans, 2020 - 2021
Biyokimya, Lisans, 2021 - 2022
Danışmanlık, Yüksek Lisans, 2020 - 2021
Uzmanlık Alan Dersi VII, Doktora, 2020 - 2021
Uzmanlık Alan Dersi (Yabancı Uyraklu) II, Yüksek Lisans, 2020 - 2021
Uzmanlık Alan Dersi IV, Yüksek Lisans, 2020 - 2021
Danışmanlık, Doktora, 2020 - 2021
Uzmanlık Alan Dersi I, Doktora, 2019 - 2020
Uzmanlık Alan Dersi (Yabancı Uyraklu) IV, Yüksek Lisans, 2020 - 2021
Uzmanlık Alan Dersi VIII, Doktora, 2020 - 2021
Danışmanlık, Doktora, 2020 - 2021
Uzmanlık Alan Dersi IV, Yüksek Lisans, 2019 - 2020
Uzmanlık Alan Dersi (Yabancı Uyraklu) IV, Yüksek Lisans, 2019 - 2020
Uzmanlık Alan Dersi IV, Yüksek Lisans, 2019 - 2020
Uzmanlık Alan Dersi III, Yüksek Lisans, 2020 - 2021
Uzmanlık Alan Dersi II, Yüksek Lisans, 2019 - 2020
Uzmanlık Alan Dersi VII, Doktora, 2020 - 2021
Enzyme Kinetics, Yüksek Lisans, 2020 - 2021
Uzmanlık Alan Dersi VIII, Doktora, 2019 - 2020

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- 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., Yuksekdag O., Kumar M Ponnaiya S., Tessappan S., Nazzaro F., et al.
Food Bioscience, cilt.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, cilt.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, cilt.9, sa.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, cilt.101, sa.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, cilt.38, sa.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**
Günsel A., Günsel H., Taslimi P., Taskin-Tok T., Erden B. A., Bilgiçli A. T., Sadeghian N., GÜLÇİN İ., Yarasir M. N.
Inorganica Chimica Acta, cilt.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., Yuksekdag 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., Günsel A., GÜLÇİN İ., Arslan M., Yarasir M. N.
Archiv der Pharmazie, cilt.357, sa.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, sa.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, cilt.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, cilt.357, sa.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, cilt.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, cilt.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, cilt.9, sa.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, cilt.9, sa.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, cilt.357, sa.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, cilt.32, sa.6, ss.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, cilt.155, ss.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., Kızıldaş H., Sujayev A., GÜLÇİN İ.
Chemistry and Biodiversity, cilt.21, sa.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, cilt.9, sa.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., Uc E. M., BORA R. E., Bilgili H. G., ALAGÖZ M. A., Zengin M., GÜLÇİN İ.
Journal of Molecular Structure, cilt.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, cilt.18, ss.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, cilt.103, sa.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, cilt.165, ss.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, cilt.21, sa.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, cilt.199, sa.3, ss.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, sa.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., AYĞÜN M., GÜLÇİN İ.
Journal of Biochemical and Molecular Toxicology, cilt.38, sa.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, cilt.20, sa.5, ss.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, cilt.38, sa.1, 2024 (SCI-Expanded)
- XXXIII. **Sage (*Salvia macrochlamys*): LC-HRMS for phytochemical analysis, cytotoxicity, enzyme inhibition, antioxidant activity, molecular docking and molecular dynamics simulations**
Kızıldaş H., Ortaakarsu A. B., Bingol Z., Goren A. C., Pinar S. M., GÜLÇİN İ.
PLANT BIOSYSTEMS, cilt.158, sa.5, ss.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, cilt.8, sa.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, cilt.20, sa.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, sa.12, ss.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, cilt.27, sa.6, ss.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, cilt.356, sa.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, cilt.13, sa.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, cilt.8, sa.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, cilt.77, sa.10, ss.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., Alwasel S., GÜLÇİN İ.
Saudi Pharmaceutical Journal, cilt.31, sa.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, cilt.20, sa.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, cilt.20, sa.10, ss.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, cilt.20, sa.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, cilt.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., Alwasel S. H., GÜLÇİN İ.
LIFE-BASEL, cilt.13, sa.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, cilt.21, sa.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, cilt.8, sa.34, 2023 (SCI-Expanded)
- L. **DPPH Radical Scavenging Assay**
GÜLÇİN İ., Alwasel S. H.
Processes, cilt.11, sa.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, cilt.20, sa.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, cilt.20, sa.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, cilt.159, ss.580-587, 2023 (SCI-Expanded)
- LIV. **The Comparison with Commercial Antioxidants, Effects on Colour, and Sensory Properties of Green Tea Powder in Butter**
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Enzyme Inhibitory and Antimicrobial Activities

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- XCIV. **Antioxidant, Antidiabetic, Anticholinergic, and Antiglaucoma Effects of Magnofluorine**
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- CV. **Polyphenol Contents, Potential Antioxidant, Anticholinergic and Antidiabetic Properties of Mountain Mint (Cyclotrichium leucotrichum)**
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- CIX. **Novel phenolic Mannich base derivatives: synthesis, bioactivity, molecular docking, and ADME-Tox Studies**
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- CXVI. **Biological Activity and Molecular Docking Study of Some Bicyclic Structures: Antidiabetic and Anticholinergic Potentials**
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- CXX. **Phthalocyanine complexes with (4-isopropylbenzyl)oxy substituents: preparation and evaluation of anti-carbonic anhydrase, anticholinesterase enzymes and molecular docking studies.**
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- CXXIV. **Anticholinergic, Antidiabetic and Antioxidant Activities of Ferula orientalis L. Determination of Its Polyphenol Contents by LC-HRMS**
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- CXXX. **Synthesis, biological activity and docking calculations of bis-naphthoquinone derivatives from Lawsone**
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- CXXXIV. **Anticancer, anticholinesterase and antidiabetic activities of tunceli garlic (*Allium tuncelianum*): determining its phytochemical content by LC-MS/MS analysis**
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- CXL. **Design, synthesis, molecular docking, and some metabolic enzyme inhibition properties of novel quinazolinone derivatives**
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- CXLI. **Synthesis and in vitro carbonic anhydrases and acetylcholinesterase inhibitory activities of novel imidazolinone-based benzenesulfonamides**
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- CXLII. **Synthesis, Characterization, and Inhibition Study of Novel Substituted Phenylureido Sulfaguanidine Derivatives as alpha-Glycosidase and Cholinesterase Inhibitors**
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- CXLIII. **PEPPSI type Pd(II)NHC complexes bearing chloro-/fluorobenzyl group: Synthesis, characterization, crystal structures, alpha-glycosidase and acetylcholinesterase inhibitory properties**
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- CXLVI. **Probing 4-(diethylamino)-salicylaldehyde-based thiosemicarbazones as multi-target directed ligands against cholinesterases, carbonic anhydrases and alpha-glycosidase enzymes**
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- CLIII. **Synthesis and biological evaluation of new pyrazolebenzene-sulphonamides as potential anticancer agents and hCA I and II inhibitors**
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- CLIV. **Synthesis, characterization and bioactivities of dative donor ligand N-heterocyclic carbene (NHC) precursors and their Ag(I)NHC coordination compounds**
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- CLV. **Novel Mannich bases with strong carbonic anhydrases and acetylcholinesterase inhibition effects: 3-(aminomethyl)-6-{3-[4-(trifluoromethyl)phenyl]acryloyl}-2(3H)-benzoxazolones**
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- CLIX. **Synthesis, characterization, powder X-ray diffraction analysis, thermal stability, antioxidant properties and enzyme inhibitions of M(II)-Schiff base ligand complexes.**
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- CLX. **Determination of the inhibition profiles of pyrazolyl-thiazole derivatives against aldose reductase and α -glycosidase and molecular docking studies.**
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- CLXI. **Human monoamine oxidase (hMAO) A and hMAO B inhibitors from Artemisia dracuncululus L. herniarin and skimmin: human mononamine oxidase A and B inhibitors from A. dracuncululus L.**
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- CLXII. **Synthesis, characterization, molecular docking, and biological activities of coumarin-1,2,3-triazole-acetamide hybrid derivatives.**
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- CLXII. **Synthesis of nitrogen, phosphorus, selenium and sulfur-containing heterocyclic compounds – Determination of their carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase and α -glycosidase inhibition properties**
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- CLXIII. **Synthesis, characterization, biological evaluation, and in silico studies of novel 1,3-diaryltriazenesubstituted sulfathiazole derivatives**
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- CLXVI. **Synthesis of water soluble tetra-substituted phthalocyanines: Investigation of DNA cleavage, cytotoxic effects and metabolic enzymes inhibition**
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- CLXVII. **Novel benzo[b]xanthene derivatives: Bismuth(III) triflate-catalyzed one-pot synthesis, characterization, and acetylcholinesterase, glutathione S-transferase, and butyrylcholinesterase inhibitory properties**
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- CLXVIII. **Novel propanolamine derivatives attached to 2-metoxifenol moiety: Synthesis, characterization, biological properties, and molecular docking studies**
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- CLXIX. **2H-Indazolo[2,1-b]phthalazine-trione derivatives: Inhibition on some metabolic enzymes and molecular docking studies**
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- CLXXII. **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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- CLXXIV. **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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- CLXXVII. **Synthesis of novel organohalogen chalcone derivatives and screening of their molecular docking study and some enzymes inhibition effects**
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- CLXXVIII. **Novel amine-functionalized benzimidazolium salts: Synthesis, characterization, bioactivity, and molecular docking studies**
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- CLXXIX. **Screening of non-alkaloid acetylcholinesterase and carbonic anhydrase isoenzymes inhibitors of *Leiotulus dasyanthus* (K. Koch) Pimenov & Ostr. (Apiaceae)**
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- CLXXX. **Cholinesterases, α -glycosidase, and carbonic anhydrase inhibition properties of 1H-pyrazolo[1,2-b]phthalazine-5,10-dione derivatives: Synthetic analogues for the treatment of Alzheimer's disease and diabetes mellitus**
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- CLXXXI. **Inhibition effects of some pesticides and heavy metals on carbonic anhydrase enzyme activity purified from horse mackerel (*Trachurus trachurus*) gill tissues**
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- CLXXXII. **Synthesis of novel β -amino carbonyl derivatives and their inhibition effects on some metabolic enzymes**
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- CLXXXIII. **Antioxidants and antioxidant methods: an updated overview**
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- CLXXXIV. **Anti-Alzheimer, antidiabetic and antioxidant potential of *Satureja cuneifolia* and analysis of its phenolic contents by LC-MS/MS**
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- CLXXXVII. **Novel carvacrol based new oxypropanolamine derivatives: Design, synthesis, characterization, biological evaluation, and molecular docking studies**
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- :LXXXVIII. **Synthesis, characterization and biological evaluation of N-substituted triazinane-2-thiones and theoretical-experimental mechanism of condensation reaction**
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- CXCVII. **Synthesis and bioactivities of 1-(4-hydroxyphenyl)-2-((heteroaryl)thio)ethanones as carbonic anhydrase I, II and acetylcholinesterase inhibitors**
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- CXCVIII. **Aminoalkylated Phenolic Chalcones: Investigation of Biological Effects on Acetylcholinesterase and Carbonic Anhydrase I and II as Potential Lead Enzyme Inhibitors**
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- CCIII. **Synthesis, characterization, biological evaluation, and molecular docking studies of some piperonyl-based 4-thiazolidinone derivatives**
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- CCV. **Design, synthesis, in vitro and in vivo evaluation of novel pyrrolizine-based compounds with potential activity as cholinesterase inhibitors and anti-Alzheimer's agents**
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- CCIX. **Synthesis of beta-amino acid derivatives and their inhibitory profiles against some metabolic enzymes**
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- CCX. **Pyrazole[3,4-d]pyridazine derivatives: Molecular docking and explore of acetylcholinesterase and carbonic anhydrase enzymes inhibitors as anticholinergics potentials**
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- CCXII. **Novel 2-aminopyridine liganded Pd(II) N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure and bioactivity properties**
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- CCXIII. **The effects of zingerone against vancomycin-induced lung, liver, kidney and testis toxicity in rats: The behavior of some metabolic enzymes**
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- CCXIV. **Phytochemical Content, Antidiabetic, Anticholinergic, and Antioxidant Activities of Endemic Lecokia cretica Extracts**
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- CCXVI. **New phenolic Mannich bases with piperazines and their bioactivities**
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- CCXVII. **Sage (Salvia pilifera): determination of its polyphenol contents, anticholinergic, antidiabetic and antioxidant activities**
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- CCXVIII. **Probiotic Shelf Life, Antioxidant, Sensory, Physical and Chemical Properties of Yogurts Produced with Lactobacillus acidophilus and Green Tea Powder**
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- CCXIX. **The green synthesis and molecular docking of novel N-substituted rhodanines as effective inhibitors for carbonic anhydrase and acetylcholinesterase enzymes**
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- CCXX. **Antidiabetic properties of dietary phenolic compounds: Inhibition effects on alpha-amylase, aldose reductase, and alpha-glycosidase**
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- CCXXII. **Preliminary phytochemical analysis and evaluation of in vitro antioxidant, antiproliferative, antidiabetic, and anticholinergics effects of endemic Gypsophila taxa from Turkey**
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- CCXXIII. **Synthesis of oxazolidinone from enantiomerically enriched allylic alcohols and determination of their molecular docking and biologic activities**
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- CCXXIV. **Novel eugenol bearing oxypropanolamines: Synthesis, characterization, antibacterial, antidiabetic, and anticholinergic potentials**

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- CCXXV. **Measurement of anticancer, antidiabetic and anticholinergic properties of sumac (*Rhus coriaria*): analysis of its phenolic compounds by LC-MS/MS**
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- CCXXVII. **Synthesis, characterization, molecular docking and biological activities of novel pyrazoline derivatives**
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- CCXXX. **Mono- or di-substituted imidazole derivatives for inhibition of acetylcholine and butyrylcholine esterases**
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- CCXXXIV. **SAR Evaluation of Disubstituted Tacrine Analogues as Promising Cholinesterase and Carbonic Anhydrase Inhibitors**
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- CCXXXV. **The first synthesis, carbonic anhydrase inhibition and anticholinergic activities of some bromophenol derivatives with S including natural products**
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- CCXXXVI. **Imidazolium chloride salts bearing wingtip groups: Synthesis, molecular docking and metabolic enzymes inhibition**
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- CCXXXVII. **Phytochemical content, antioxidant activity, and enzyme inhibition effect of *Salvia eriophora* Boiss. & Kotschy against acetylcholinesterase, alpha-amylase, butyrylcholinesterase, and alpha-glycosidase enzymes**
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- CCXXXVIII. **Synthesis and bioactivities of pyrazoline benzensulfonamides as carbonic anhydrase and acetylcholinesterase inhibitors with low cytotoxicity**
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- CCXXXIX. **Synthesis and characterization of novel substituted thiophene derivatives and discovery of their carbonic anhydrase and acetylcholinesterase inhibition effects**
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- CCXL. **Synthesis, crystal structure, and biological evaluation of optically active 2-amino-4-aryl-7,7-dimethyl-5-oxo-5,6,7,8-tetrahydro-4H-chromen-3-carbonitriles: Antiepileptic, antidiabetic, and anticholinergics potentials**
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- CCXLI. **The effects of hesperidin on sodium arsenite-induced different organ toxicity in rats on metabolic enzymes as antidiabetic and anticholinergics potentials: A biochemical approach**
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- CCXLII. **Aminopyrazole-substituted metallophthalocyanines: Preparation, aggregation behavior, and investigation of metabolic enzymes inhibition properties**
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- CCXLIII. **Synthesis, characterization, crystal structure of novel bis-thiomethylcyclohexanone derivatives and their inhibitory properties against some metabolic enzymes**
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- CCXLIV. **Novel morpholine liganded Pd-based N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure, antidiabetic and anticholinergic properties**
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- CCXLV. **Synthesis, characterization, crystal structures, theoretical calculations and biological evaluations of novel substituted tacrine derivatives as cholinesterase and carbonic anhydrase enzymes inhibitors**
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- CCXLVI. **In vitro cytotoxic and in vivo antitumoral activities of some aminomethyl derivatives of 2,4-dihydro-3H-1,2,4-triazole-3-thiones-Evaluation of their acetylcholinesterase and carbonic anhydrase enzymes inhibition profiles**
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- CCXLVII. **Screening the in vitro antioxidant, antimicrobial, anticholinesterase, antidiabetic activities of endemic *Achillea cucullata* (Asteraceae) ethanol extract**
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- CCXLVIII. **The Impacts of Some Sedative Drugs on alpha -Glycosidase, Acetylcholinesterase and Butyrylcholinesterase Enzymes-potential Drugs for Some Metabolic Diseases**
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- CCXLIX. **Anticholinergic, antidiabetic and antioxidant activities of cinnamon (*cinnamomum verum*) bark extracts: polyphenol contents analysis by LC-MS/MS**
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- CCL. **The effects of some antibiotics from cephalosporin groups on the acetylcholinesterase and butyrylcholinesterase enzymes activities in different tissues of rats**
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- CCLI. **The effects of casticin and myricetin on liver damage induced by methotrexate in rats**
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- CCLII. **Novel thymol bearing oxypropanolamine derivatives as potent some metabolic enzyme inhibitors - Their antidiabetic, anticholinergic and antibacterial potentials**
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- CCLIII. **New azafluorenones with cytotoxic and carbonic anhydrase inhibitory properties: 2-Aryl-4-(4-hydroxyphenyl)-5H-indeno[1,2-b]pyridin-5-ones.**
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- CCLIV. **Synthesis, characterization, antioxidant, antidiabetic, anticholinergic, and antiepileptic properties of novel N-substituted tetrahydropyrimidines based on phenylthiourea**
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- CCLV. **Antidiabetic potential: In vitro inhibition effects of bromophenol and diarylmethanones derivatives on metabolic enzymes**
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- CCLVI. **Synthesis, characterization, crystal structure, electrochemical studies and biological evaluation of metal complexes with thiosemicarbazone of glyoxylic acid**
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- CCLVII. **Antidiabetic and antiparasitic potentials: Inhibition effects of some natural antioxidant compounds on alpha-glycosidase, alpha-amylase and human glutathione S-transferase enzymes**
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INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.119, ss.741-746, 2018 (SCI-Expanded)
- CCLVIII. **Diarylmethanon, bromophenol and diarylmethane compounds: Discovery of potent aldose reductase, alpha-amylase and alpha-glycosidase inhibitors as new therapeutic approach in diabetes and functional hyperglycemia**
TASLIMI P., ASLAN H. E., DEMIR Y., ÖZTAŞKIN N., MARAŞ A., GÜLÇİN İ., Beydemir S., GÖKSU S.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.119, ss.857-863, 2018 (SCI-Expanded)
- CCLIX. **Novel sulfamate derivatives of menthol: Synthesis, characterization, and cholinesterases and carbonic anhydrase enzymes inhibition properties**
Daryadel S., Atmaca U., Taslimi P., Gülçin İ., Çelik M.
ARCHIV DER PHARMAZIE, cilt.351, sa.11, 2018 (SCI-Expanded)
- CCLX. **Synthesis, characterization and crystal structure of 2-(4-hydroxyphenyl)ethyl and 2-(4-nitrophenyl)ethyl Substituted Benzimidazole Bromide Salts: Their inhibitory properties against carbonic anhydrase and acetylcholinesterase**
Behcet A., Cagilar T., Celepci D. B., AKTAŞ A., Taslimi P., GÖK Y., Aygun M., Kaya R., GÜLÇİN İ.

JOURNAL OF MOLECULAR STRUCTURE, cilt.1170, ss.160-169, 2018 (SCI-Expanded)

- CCLXI. **Some pyrazoles derivatives: Potent carbonic anhydrase, -glycosidase, and cholinesterase enzymes inhibitors**
Turkan F., Cetin A., TASLIMI P., GÜLÇİN İ.
ARCHIV DER PHARMAZIE, cilt.351, sa.10, 2018 (SCI-Expanded)
- CCLXII. **Schiff bases and their amines: Synthesis and discovery of carbonic anhydrase and acetylcholinesterase enzymes inhibitors**
Yigit B., Yigit M., TASLIMI P., Goek Y., Guelcin I.
ARCHIV DER PHARMAZIE, cilt.351, sa.9, 2018 (SCI-Expanded)
- CCLXIII. **Synthesis, crystal structure and biological evaluation of spectroscopic characterization of Ni(II) and Co(II) complexes with N-salicyloil-N-maleoil-hydrazine as anticholinergic and antidiabetic agents**
GONDOLOVA G., TASLIMI P., Medjidov A., Farzaliyev V., Sujayev A., HUSEYNOVA M., Sahin O., YALÇIN B., Turkan F., GÜLÇİN İ.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.32, sa.9, 2018 (SCI-Expanded)
- CCLXIV. **Synthesis of novel sulfamides incorporating phenethylamines and determination of their inhibition profiles against some metabolic enzymes**
AKSU K., Akincioglu H., Akincioglu A., Goeksu S., Tuemer F., Guelcin I.
ARCHIV DER PHARMAZIE, cilt.351, sa.9, 2018 (SCI-Expanded)
- CCLXV. **Antioxidant Activity of the Aqueous Extract of Iris taochia and Identification of its Chemical Constituents**
AŞKIN H., YILMAZ B., GÜLÇİN İ., TASLIMI P., BAKIRCI S., YILDIZ M., Kandemir N.
INDIAN JOURNAL OF PHARMACEUTICAL SCIENCES, cilt.80, sa.5, ss.802-812, 2018 (SCI-Expanded)
- CCLXVI. **Novel amides of 1,1-bis-(carboxymethylthio)-1-arylethanes: Synthesis, characterization, acetylcholinesterase, butyrylcholinesterase, and carbonic anhydrase inhibitory properties**
TASLIMI P., OSMANOVA S., Caglayan C., Turkan F., Sardarova S., Farzaliyev V., Sujayev A., SADEGHIAN N., GÜLÇİN İ.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.32, sa.9, 2018 (SCI-Expanded)
- CCLXVII. **Intermolecular amination of allylic and benzylic alcohols leads to effective inhibitions of acetylcholinesterase enzyme and carbonic anhydrase I and II isoenzymes**
Atmaca U., Yıldırım A., Taslimi P., Çelik S. T., Gulcin İ., Supuran C. T., Çelik M.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.32, sa.8, 2018 (SCI-Expanded)
- CCLXVIII. **Characterization and inhibition effects of some metal ions on carbonic anhydrase enzyme from Kangal Akkaraman sheep**
KOÇYIĞIT Ü. M., TASLIMI P., GÜLÇİN İ.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.32, sa.8, 2018 (SCI-Expanded)
- CCLXIX. **Novel Benzylic Substituted Imidazolinium, Tetrahydropyrimidinium and Tetrahydrodiazepinium Salts: Potent Carbonic Anhydrase and Acetylcholinesterase Inhibitors**
Yigit B., Yigit M., Celepci D. B., GÖK Y., AKTAŞ A., Aygun M., TASLIMI P., GÜLÇİN İ.
CHEMISTRYSELECT, cilt.3, sa.27, ss.7976-7982, 2018 (SCI-Expanded)
- CCLXX. **meta-Cyanobenzyl substituted benzimidazolium salts: Synthesis, characterization, crystal structure and carbonic anhydrase, -glycosidase, butyrylcholinesterase, and acetylcholinesterase inhibitory properties**
Turker F., Celepci D. B., AKTAŞ A., TASLIMI P., GÖK Y., Aygun M., GÜLÇİN İ.
ARCHIV DER PHARMAZIE, cilt.351, sa.7, 2018 (SCI-Expanded)
- CCLXXI. **Antioxidant Activity of Flaxseed (Linum usitatissimum L.) shell and Analysis of Its Polyphenol Contents by LC-MS/MS**
Han H., YILMAZ H., GÜLÇİN İ.
RECORDS OF NATURAL PRODUCTS, cilt.12, sa.4, ss.397-402, 2018 (SCI-Expanded)
- CCLXXII. **Antioxidant and anticholinergic properties of olivetol**
TASLIMI P., GÜLÇİN İ.
JOURNAL OF FOOD BIOCHEMISTRY, cilt.42, sa.3, 2018 (SCI-Expanded)
- CCLXXIII. **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, cilt.91, sa.4, ss.854-866, 2018 (SCI-Expanded)

- CCLXXIV. **Synthesis and discovery of potent carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase, and alpha-glycosidase enzymes inhibitors: The novel N,N '-bis-cyanomethylamine and alkoxyethylamine derivatives**

TASLIMI P., Caglayan C., Farzaliyev V., Nabiye O., Sujayev A., Turkan F., KAYA R., GÜLÇİN İ.

JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.32, sa.4, 2018 (SCI-Expanded)

- CCLXXV. **2-Hydroxyethyl substituted NHC precursors: Synthesis, characterization, crystal structure and carbonic anhydrase, alpha-glycosidase, butyrylcholinesterase, and acetylcholinesterase inhibitory properties**

Erdemir F., Celepci D. B., AKTAŞ A., TASLIMI P., GÖK Y., Karabiyik H., GÜLÇİN İ.

JOURNAL OF MOLECULAR STRUCTURE, cilt.1155, ss.797-806, 2018 (SCI-Expanded)

- CCLXXVI. **The effects of wireless electromagnetic fields on the activities of carbonic anhydrase and acetylcholinesterase enzymes in various tissues of rats**

KOÇYİĞİT Ü. M., TASLIMI P., Gurses F., SOYLU S., DASTAN S. D., GÜLÇİN İ.

JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.32, sa.3, 2018 (SCI-Expanded)

- CCLXXVII. **The in vivo effects of cefazolin, cefuroxime, and cefoperazon on the carbonic anhydrase in different rat tissues**

Turkan F., Huyut Z., TASLIMI P., GÜLÇİN İ.

JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.32, sa.3, 2018 (SCI-Expanded)

- :CLXXVIII. **Purification of glutathione S-transferase enzyme from quail liver tissue and inhibition effects of (3aR,4S,7R,7aS)-2-(4-((E)-3-(aryl)acryloyl)phenyl)-3a,4,7,7a-tetrahydro-1H-4,7-methanoisindole-1,3(2H)-dione derivatives on the enzyme activity**

Temel Y., KOÇYİĞİT Ü. M., Taysi M. S., Gokalp F., Gurdere M. B., Budak Y., Ceylan M., GÜLÇİN İ., Ciftci M.

JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.32, sa.3, 2018 (SCI-Expanded)

- CCLXXIX. **Synthesis and investigation of the conversion reactions of pyrimidine-thiones with nucleophilic reagent and evaluation of their acetylcholinesterase, carbonic anhydrase inhibition, and antioxidant activities**

TASLIMI P., Sujayev A., Turkan F., Garibov E., Huyut Z., Farzaliyev V., MAMEDOVA S., GÜLÇİN İ.

JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.32, sa.2, 2018 (SCI-Expanded)

- CCLXXX. **Synthesis and biological evaluation of phloroglucinol derivatives possessing α -glycosidase, acetylcholinesterase, butyrylcholinesterase, carbonic anhydrase inhibitory activity.**

BURMAOĞLU S., YILMAZ A. B., Taslimi P., Algul O., Kilic D., GÜLÇİN İ.

Archiv der Pharmazie, cilt.351, sa.2, 2018 (SCI-Expanded)

- CCLXXXI. **Antioxidant activity of an anatolian herbal tea *Origanum minutiflorum*: isolation and characterization of its secondary metabolites**

Elmastas M., Celik S. M., Genc N., Aksit H., Erenler R., GÜLÇİN İ.

INTERNATIONAL JOURNAL OF FOOD PROPERTIES, cilt.21, sa.1, ss.374-384, 2018 (SCI-Expanded)

- CCLXXXII. **Synthesis of some novel pyridine compounds containing bis-1,2,4-triazole/thiosemicarbazide moiety and investigation of their antioxidant properties, carbonic anhydrase, and acetylcholinesterase enzymes inhibition profiles**

Bulut N., KOÇYİĞİT Ü. M., Gecibesler I. H., DASTAN T., Karci H., Taslimi P., DASTAN S. D., GÜLÇİN İ., Cetin A.

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- :CLXXXIII. **Inhibitory effects of selected pesticides on peroxidases purified by affinity chromatography**

KÖKSAL Z., Kalin R., GÜLÇİN İ., ÖZDEMİR H.

INTERNATIONAL JOURNAL OF FOOD PROPERTIES, cilt.21, sa.1, ss.385-394, 2018 (SCI-Expanded)

- :CLXXXIV. **Synthesis of chalcone-imide derivatives and investigation of their anticancer and antimicrobial activities, carbonic anhydrase and acetylcholinesterase enzymes inhibition profiles**

KOÇYİĞİT Ü. M., Budak Y., Gurdere M. B., Erturk F., Yencilek B., TASLIMI P., GÜLÇİN İ., Ceylan M.

- ARCHIVES OF PHYSIOLOGY AND BIOCHEMISTRY, cilt.124, sa.1, ss.61-68, 2018 (SCI-Expanded)
- CCLXXXV. **Sulfonamide inhibitors: a patent review 2013-present**
GÜLÇİN İ., TASLIMI P.
EXPERT OPINION ON THERAPEUTIC PATENTS, cilt.28, sa.7, ss.541-549, 2018 (SCI-Expanded)
- CLXXXVI. **The toxicological effects of some avermectins on goat liver carbonic anhydrase enzyme**
Caglayan C., GÜLÇİN İ.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.32, sa.1, 2018 (SCI-Expanded)
- CLXXXVII. **Novel N-propylphthalimide- and 4-vinylbenzyl-substituted benzimidazole salts: Synthesis, characterization, and determination of their metal chelating effects and inhibition profiles against acetylcholinesterase and carbonic anhydrase enzymes**
Sari Y., AKTAŞ A., Taslimi P., GÖK Y., GÜLÇİN İ.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.32, sa.1, 2018 (SCI-Expanded)
- LXXXVIII. **Inhibitory effects of some drugs on carbonic anhydrase enzyme purified from Kangal Akkaraman sheep in Sivas, Turkey**
KOÇYİĞİT Ü. M., Dastan S. D., TASLIMI P., Dastan T., GÜLÇİN İ.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.32, sa.1, 2018 (SCI-Expanded)
- CLXXXIX. **The first synthesis and antioxidant and anticholinergic activities of 1-(4,5-dihydroxybenzyl)pyrrolidin-2-one derivative bromophenols including natural products**
REZAİ M., BAYRAK C., TASLIMI P., GÜLÇİN İ., MENZEK A.
TURKISH JOURNAL OF CHEMISTRY, cilt.42, sa.3, ss.808-841, 2018 (SCI-Expanded)
- CCXC. **Purification and selected biochemical properties of peroxidase from cress (*Lepidium sativum* sub sp *sativum*)**
ALTAY A., Koktepe T., DURMAZ L., Topal F., GÜLÇİN İ., KÖKSAL E.
INTERNATIONAL JOURNAL OF FOOD PROPERTIES, cilt.21, sa.1, ss.2610-2621, 2018 (SCI-Expanded)
- CCXCI. **Microwave-assisted synthesis and bioevaluation of new sulfonamides.**
GUL H. İ., YAMALI C., YESILYURT F., SAKAGAMI H., KUCUKOGLU K., GÜLÇİN İ., Gul M., SUPURAN C.
Journal of enzyme inhibition and medicinal chemistry, cilt.32, ss.369-374, 2017 (SCI-Expanded)
- CCXCII. **The impact of some natural phenolic compounds on carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase, and -glycosidase enzymes: An antidiabetic, anticholinergic, and antiepileptic study**
TASLIMI P., Caglayan C., GÜLÇİN İ.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.31, sa.12, 2017 (SCI-Expanded)
- CCXCIII. **Synthesis of 2-amino-3-cyanopyridine derivatives and investigation of their carbonic anhydrase inhibition effects**
Altundas A., Gul B., ÇANKAYA M., ATASEVER A., GÜLÇİN İ.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.31, sa.12, 2017 (SCI-Expanded)
- CCXCIV. **Synthesis and Carbonic Anhydrase Inhibition of Tetrabromo Chalcone Derivatives.**
KOÇYİĞİT Ü. M., Budak Y., ELİGÜZEL F., TASLIMI P., Kilic D., GÜLÇİN İ., Ceylan M.
Archiv der Pharmazie, cilt.350, sa.12, 2017 (SCI-Expanded)
- CCXCV. **Synephrine and phenylephrine act as -amylase, -glycosidase, acetylcholinesterase, butyrylcholinesterase, and carbonic anhydrase enzymes inhibitors**
TASLIMI P., Akincioglu H., GÜLÇİN İ.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.31, sa.11, 2017 (SCI-Expanded)
- CCXCVI. **Inhibitory effects of oxytocin and oxytocin receptor antagonist atosiban on the activities of carbonic anhydrase and acetylcholinesterase enzymes in the liver and kidney tissues of rats**
KOÇYİĞİT Ü. M., Taskiran A. S., TASLIMI P., YOKUŞ A., Temel Y., GÜLÇİN İ.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.31, sa.11, 2017 (SCI-Expanded)
- CCXCVII. **Synthesis, molecular modeling, and biological evaluation of 4-[5-(aryl-3-(thiophen-2-yl))-2,5-dihydro-1H-pyrazol-1-yl]benzenesulfonamides toward acetylcholinesterase, carbonic anhydrase I and II enzymes**
YAMALI C., GÜL H. İ., Ece A., TASLIMI P., GULCIN I.

CHEMICAL BIOLOGY & DRUG DESIGN, cilt.1, sa.1, ss.1, 2017 (SCI-Expanded)

- CCXCVIII. **Inhibition Effects of Some Lignans on Carbonic Anhydrase, Acetylcholinesterase and Butyrylcholinesterase Enzymes**
KOSE L. P., GÜLÇİN İ.
RECORDS OF NATURAL PRODUCTS, cilt.11, sa.6, ss.558-561, 2017 (SCI-Expanded)
- CCXCIX. **Investigation of acetylcholinesterase and mammalian DNA topoisomerases, carbonic anhydrase inhibition profiles, and cytotoxic activity of novel bis(-aminoalkyl)phosphinic acid derivatives against human breast cancer**
Dastan T., KOÇYİĞİT Ü. M., Dastan S. D., Kilickaya P. C., TASLIMI P., Cevik O., Koparir M., Orek C., GÜLÇİN İ., Cetin A.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.31, sa.11, 2017 (SCI-Expanded)
- CCC. **The synthesis of novel sulfamides derived from beta-benzylphenethylamines as acetylcholinesterase, butyrylcholinesterase and carbonic anhydrase enzymes inhibitors**
AKINCIÖĞLU A., KOCAMAN E., Akincioglu H., Salmas R. E., Durdagi S., GÜLÇİN İ., SUPURAN C. T., GÖKSU S.
BIOORGANIC CHEMISTRY, cilt.74, ss.238-250, 2017 (SCI-Expanded)
- CCCI. **Antidiabetic potential: in vitro inhibition effects of some natural phenolic compounds on - glycosidase and -amylase enzymes**
TASLIMI P., GÜLÇİN İ.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.31, sa.10, 2017 (SCI-Expanded)
- CCCII. **Novel antioxidant bromophenols with acetylcholinesterase, butyrylcholinesterase and carbonic anhydrase inhibitory actions**
ÖZTAŞKIN N., TASLIMI P., MARAŞ A., GÜLÇİN İ., GÖKSU S.
BIOORGANIC CHEMISTRY, cilt.74, ss.104-114, 2017 (SCI-Expanded)
- CCCIII. **Therapeutic effects of silymarin and naringin on methotrexate-induced nephrotoxicity in rats: Biochemical evaluation of anti-inflammatory, antiapoptotic, and antiautophagic properties**
Kandemir F. M., Kucukler S., Caglayan C., Gür C., Batl A. A., Gülçin İ.
Journal of Food Biochemistry, cilt.41, 2017 (SCI-Expanded)
- CCCIV. **EFFECT OF P-COUMARIC ACID AGAINST OXIDATIVE STRESS INDUCED BY CISPLATIN IN BRAIN TISSUE OF RATS**
Ekinci-Akdemir F. N., GÜLÇİN İ., GÜRSUL C., Alwasel S. H., BAYIR Y.
JOURNAL OF ANIMAL AND PLANT SCIENCES, cilt.27, sa.5, ss.1560-1564, 2017 (SCI-Expanded)
- CCCV. **Inhibition properties of some flavonoids on carbonic anhydrase I and II isoenzymes purified from human erythrocytes**
Huyut Z., Beydemir S., GÜLÇİN İ.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.31, sa.9, 2017 (SCI-Expanded)
- CCCVI. **Discovery of potent carbonic anhydrase, acetylcholinesterase, and butyrylcholinesterase enzymes inhibitors: The new amides and thiazolidine-4-ones synthesized on an acetophenone base**
TASLIMI P., OSMANOVA S., GÜLÇİN İ., SARDAROVA S., FARZALIYEV V., SUJAYEV A., KAYA R., KOC F., Beydemir S., ALWASEL S. H., et al.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.31, sa.9, 2017 (SCI-Expanded)
- CCCVII. **Evaluation of acetylcholinesterase and carbonic anhydrase inhibition profiles of 1,2,3,4,6-pentasubstituted-4-hydroxy-cyclohexanes**
KOÇYİĞİT Ü. M., TASLIMI P., GEZEĞEN H., GÜLÇİN İ., Ceylan M.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.31, sa.9, 2017 (SCI-Expanded)
- CCCVIII. **Phenolic compounds inhibit the aldose reductase enzyme from the sheep kidney**
DEMİR Y., Isik M., GÜLÇİN İ., Beydemir S.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.31, sa.9, 2017 (SCI-Expanded)
- CCCIX. **The inhibition effects of some natural products on lactoperoxidase purified from bovine milk**
KÖKSAL Z., KALIN R., GERNİ S., GÜLÇİN İ., ÖZDEMİR H.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.31, sa.9, 2017 (SCI-Expanded)
- CCCX. **Synthesis of 3-chloro-1-substituted aryl pyrrolidine-2,5-dione derivatives: discovery of potent human carbonic anhydrase inhibitors**

- OKTAY K., KOSE L. P., Sendil K., GÜLTEKİN M. S., GÜLÇİN İ.
MEDICINAL CHEMISTRY RESEARCH, cilt.26, sa.8, ss.1619-1627, 2017 (SCI-Expanded)
- CCCXI. **Synthesis of new cyclic thioureas and evaluation of their metal-chelating activity, acetylcholinesterase, butyrylcholinesterase, and carbonic anhydrase inhibition profiles**
TASLIMI P., SUJAYEV A., Garibov E., Nazarov N., Huyut Z., ALWASEL S. H., GÜLÇİN İ.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.31, sa.7, 2017 (SCI-Expanded)
- CCCXII. **The first synthesis of 4-phenylbutenone derivative bromophenols including natural products and their inhibition profiles for carbonic anhydrase, acetylcholinesterase and butyrylcholinesterase enzymes**
BAYRAK C., TASLIMI P., GÜLÇİN İ., MENZEK A.
BIOORGANIC CHEMISTRY, cilt.72, ss.359-366, 2017 (SCI-Expanded)
- CCCXIII. **Antioxidant activity and phenolic compounds of ginger (Zingiber officinale Rosc.) determined by HPLC-MS/MS**
Tohma H., GÜLÇİN İ., Bursal E., GOREN A. C., ALWASEL S. H., KÖKSAL E.
JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, cilt.11, sa.2, ss.556-566, 2017 (SCI-Expanded)
- CCCXIV. **Novel NHC Precursors: Synthesis, Characterization, and Carbonic Anhydrase and Acetylcholinesterase Inhibitory Properties**
AKTAŞ A., TASLIMI P., GÜLÇİN İ., GÖK Y.
ARCHIV DER PHARMAZIE, cilt.350, sa.6, 2017 (SCI-Expanded)
- CCCXV. **Secondary Sulfonamides as Effective Lactoperoxidase Inhibitors**
KÖKSAL Z., KALIN R., Camadan Y., Usanmaz H., Almaz Z., GÜLÇİN İ., GOKCEN T., GOREN A. C., ÖZDEMİR H.
MOLECULES, cilt.22, sa.6, 2017 (SCI-Expanded)
- CCCXVI. **Synthesis, carbonic anhydrase I and II isoenzymes inhibition properties, and antibacterial activities of novel tetralone-based 1,4-benzothiazepine derivatives**
Ceylan M., KOÇYİĞİT Ü. M., Usta N. C., Gurbuzlu B., Temel Y., ALWASEL S. H., Gulcin I.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.31, sa.4, 2017 (SCI-Expanded)
- CCCXVII. **Oxidative stress and mRNA expression of acetylcholinesterase in the leukocytes of ischemic patients**
Isik M., Beydemir S., YILMAZ A., NALDAN M. E., ASLAN H. E., GÜLÇİN İ.
BIOMEDICINE & PHARMACOTHERAPY, cilt.87, ss.561-567, 2017 (SCI-Expanded)
- CCCXVIII. **Carbonic anhydrase inhibitory properties of phenolic sulfonamides derived from dopamine related compounds**
GOCER H., AKINCI OGLU A., GÖKSU S., GÜLÇİN İ.
ARABIAN JOURNAL OF CHEMISTRY, cilt.10, sa.3, ss.398-402, 2017 (SCI-Expanded)
- CCCXIX. **Evaluation of Phenolic Contents and Bioactivity of Root and Nutgall Extracts from Iraqi Quercus infectoria Olivier**
HAMAD H. O., Alma M. H., GÜLÇİN İ., Yilmaz M. A., Karaogul E.
RECORDS OF NATURAL PRODUCTS, cilt.11, sa.2, ss.205-210, 2017 (SCI-Expanded)
- CCCXX. **Synthesis, characterization, anticancer, antimicrobial and carbonic anhydrase inhibition profiles of novel (3aR,4S,7R,7aS)-2-(4-((E)-3-(3-aryl)acryloyl) phenyl)-3a,4,7,7a-tetrahydro-1H-4,7-methanoisoindole-1,3(2H)-dione derivatives**
KOÇYİĞİT Ü. M., Budak Y., Gurdere M. B., Tekin S., Koprulu T. K., Erturk F., Ozcan K., GÜLÇİN İ., Ceylan M.
BIOORGANIC CHEMISTRY, cilt.70, ss.118-125, 2017 (SCI-Expanded)
- CCCXXI. **Synthesis and biological evaluation of aminomethyl and alkoxyethyl derivatives as carbonic anhydrase, acetylcholinesterase and butyrylcholinesterase inhibitors**
GÜLÇİN İ., Abbasova M., TASLIMI P., Huyut Z., Safarova L., Sujayev A., Farzaliyev V., Beydemir S., Alwasel S. H., Supuran C. T.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.32, sa.1, ss.1174-1182, 2017 (SCI-Expanded)
- CCCXXII. **INVESTIGATION OF INHIBITORY EFFECT OF HUMIC ACID ON ACETYLCHOLINESTERASE AND BUTYRYLCHOLINESTERASE ENZYMES**
Akincioglu H., GÜLÇİN İ., ALWASEL S. H.
FRESENIUS ENVIRONMENTAL BULLETIN, cilt.26, sa.6, ss.3733-3739, 2017 (SCI-Expanded)

- CCCXXIII. **Synthesis and bioactivity of several new hetaryl sulfonamides**
TASLIMI P., SUJAYEV A., MAMEDOVA S., KALIN P., GÜLÇİN İ., SADEGHIAN N., Beydemir S., KÜFREVİOĞLU Ö. İ., ALWASEL S. H., FARZALIYEV V., et al.
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- CCCXXIV. **Purification, characterization, and inhibition sensitivity of peroxidase from wheat (*Triticum aestivum ssp vulgare*)**
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- CCCXXV. **Novel eugenol derivatives: Potent acetylcholinesterase and carbonic anhydrase inhibitors**
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- CCCXXVI. **Synthesis and investigation of antibacterial activities and carbonic anhydrase and acetyl cholinesterase inhibition profiles of novel 4,5-dihydropyrazol and pyrazolyl-thiazole derivatives containing methanoisindol-1,3-dion unit**
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- CCCXXVII. **Purification, characterization and selected inhibition properties of peroxidase from haricot bean (*Phaseolus vulgaris* L.)**
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- :CCXXVIII. **Antioxidant activity and polyphenol content of Turkish thyme (*Thymus vulgaris*) monitored by liquid chromatography and tandem mass spectrometry**
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- CCCXXIX. **Synthesis of Mannich Bases by Two Different Methods and Evaluation of their Acetylcholine Esterase and Carbonic Anhydrase Inhibitory Activities**
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- CCCXXX. **Synthesis, carbonic anhydrase I and II inhibition studies of the 1,3,5-trisubstituted-pyrazolines**
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- CCCXXXI. **Synthesis and carbonic anhydrase inhibitory activities of new thienyl-substituted pyrazoline benzenesulfonamides**
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- CCCXXXII. **RP-HPLC/MS/MS Analysis of the Phenolic Compounds, Antioxidant and Antimicrobial Activities of *Salvia L.* Species**
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- :CCXXXIV. **The synthesis of some beta-lactams and investigation of their metal-chelating activity, carbonic anhydrase and acetylcholinesterase inhibition profiles**
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- CCCXXXV. **Synthesis of diaryl ethers with acetylcholinesterase, butyrylcholinesterase and carbonic anhydrase inhibitory actions**

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- :CCXXXVI. **Quercetin protects rat skeletal muscle from ischemia reperfusion injury**
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- CCXXXVII. **A class of sulfonamides as carbonic anhydrase I and II inhibitors**
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- :CXXXVIII. **Protective effect of Naringin on experimental hindlimb ischemia/reperfusion injury in rats**
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- :CCXXXIX. **Antioxidant Activity, Acetylcholinesterase, and Carbonic Anhydrase Inhibitory Properties of Novel Ureas Derived from Phenethylamines**
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- CCCXL. **Synthesis and Carbonic Anhydrase Inhibition of Novel 2-(4-(Aryl)thiazole-2-yl)-3a,4,7,7a-tetrahydro-1H-4,7-methanoisoindole-1,3(2H)-dione Derivatives**
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- CCCXLI. **Synthesis of Some Novel Norbornene-Fused Pyridazines as Potent Inhibitors of Carbonic Anhydrase and Acetylcholinesterase**
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- CCCXLII. **Discovery of Potent Carbonic Anhydrase and Acetylcholinesterase Inhibitors: 2-Aminoindan beta-Lactam Derivatives**
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- CCCXLIII. **Impact of Some Avermectins on Lactoperoxidase in Bovine Milk**
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- CCCXLIV. **Purification and characterization of the carbonic anhydrase enzyme from Black Sea trout (*Salmo trutta Labrax Coruhensis*) kidney and inhibition effects of some metal ions on enzyme activity**
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- CCCXLV. **9,10-Dibromo-N-aryl-9,10-dihydro-9,10-[3,4]epipyrroloanthracene-12,14-diones: Synthesis and Investigation of Their Effects on Carbonic Anhydrase Isozymes I, II, IX, and XII**
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- CCCXLVI. **Effects of artificial lighting on bioactivity of sweet red pepper (*Capsicum annum L.*)**
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- CCCXLVII. **Acetylcholinesterase and carbonic anhydrase inhibitory properties of novel urea and sulfamide derivatives incorporating dopaminergic 2-aminotetralin scaffolds**
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- :CCXLVIII. **Spirobisnaphthalenes effectively inhibit carbonic anhydrase**
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- CCCXLIX. **Acetylcholinesterase and carbonic anhydrase isoenzymes I and II inhibition profiles of taxifolin**
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- CCCL. **Synthesis of 4-[2-(3,4-dimethoxybenzyl)cyclopentyl]-1,2-dimethoxybenzene Derivatives and Evaluations of Their Carbonic Anhydrase Isoenzymes Inhibitory Effects**
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- CCCLI. **Antioxidant, antiradical, and anticholinergic properties of cynarin purified from the Illyrian thistle (Onopordum illyricum L.)**
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- CCCLIII. **The effect of caffeic acid phenethyl ester (CAPE) on metabolic enzymes including acetylcholinesterase, butyrylcholinesterase, glutathione S-transferase, lactoperoxidase, and carbonic anhydrase isoenzymes I, II, IX, and XII**
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- CCCLIV. **Synthesis of N-alkyl (aryl)-tetra pyrimidine thiones and investigation of their human carbonic anhydrase I and II inhibitory effects**
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- CCCLV. **Antioxidant activity of taxifolin: an activity-structure relationship**
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- CCCLVI. **The effects of some avermectins on bovine carbonic anhydrase enzyme**
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- CCCLIX. **Rosmarinic acid inhibits some metabolic enzymes including glutathione S-transferase, lactoperoxidase, acetylcholinesterase, butyrylcholinesterase and carbonic anhydrase isoenzymes**
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- CCCLX. **Synthesis of some tetrahydropyrimidine-5-carboxylates, determination of their metal chelating effects and inhibition profiles against acetylcholinesterase, butyrylcholinesterase and carbonic anhydrase**
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- CCCLXI. **The effects of some bromophenols on human carbonic anhydrase isoenzymes**
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- CCCLXIII. **A comparative study on the antioxidant effects of hesperidin and ellagic acid against skeletal muscle ischemia/reperfusion injury**
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- CCCLXV. **Inhibitory effects of some phenolic compounds on the activities of carbonic anhydrase: from in vivo to ex vivo**
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- CCCLXIX. **The synthesis of (Z)-4-oxo-4-(arylamino)but-2-enoic acids derivatives and determination of their inhibition properties against human carbonic anhydrase I and II isoenzymes**
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- :CCLXXIX. **Pistachio (*Pistacia vera* L.) Gum: a potent inhibitor of reactive oxygen species**
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Metabolic Enzymes

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