

Doç. Dr. BURAK TÜZÜN

Kişisel Bilgiler

İş Telefonu: [+90 346 487 0000](tel:+903464870000) Dahili: 2572

E-posta: btuzun@cumhuriyet.edu.tr

Diğer E-posta: theburaktuzun@yahoo.com

Web: <https://avesis.cumhuriyet.edu.tr/btuzun>

Uluslararası Araştırmacı ID'leri

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ORCID: 0000-0002-0420-2043

ScopusID: 56699974000

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Eğitim Bilgileri

Doktora, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, Türkiye 2010 - 2018

Yüksek Lisans, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, Türkiye 2007 - 2010

Lisans, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, Türkiye 2002 - 2007

Yaptığı Tezler

Doktora, Elektron Konformasyonel-Genetik algoritma 4d-qsar Metodu ile Piridin karboksilik Asit, Oksadiazol, Pirimidin ve Oksazol türevlerine ait farmakofor gruplarının belirlenmesi ve biyoaktivite hesabı, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2018

Yüksek Lisans, Karbamatların flotasyon kolektörleri olarak etkinlikleri, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2010

Araştırma Alanları

Temel Bilimler

Akademik Unvanlar / Görevler

Doç. Dr., Sivas Cumhuriyet Üniversitesi, Sivas Teknik Bilimler Meslek Yüksekokulu, Bitkisel Ve Hayvansal Üretim, 2020 - Devam Ediyor

Araştırma Görevlisi, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2010 - 2020

Verdiği Dersler

Genel Kimya II, Lisans, 2018 - 2019

Genel Kimya, Lisans, 2018 - 2019

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **A cadmium-thiocyanate coordination polymer with bridging 2-aminopyridine: Synthesis, characterization DFT studies, Hirshfeld Surface analysis and docking studies**
MbomYufanyi D., TÜZÜN B., Nono J. H., Jong Y. C., Wirsiy J.
Journal of Molecular Structure, cilt.1318, 2024 (SCI-Expanded)
- II. **Synthesis biological evaluation and molecular docking of isatin hybrids as anti-cancer and anti-microbial agents**
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Journal of enzyme inhibition and medicinal chemistry, cilt.39, sa.1, ss.2288548, 2024 (SCI-Expanded)
- III. **Novel 1,2,4-triazole-maleamic acid derivatives: synthesis and evaluation as anticancer agents with carbonic anhydrase inhibitory activity**
Tapera M., Kekeçmuhammed H., TÜZÜN B., DURNA DAŞTAN S., Safa Çelik M., Taslimi P., DAŞTAN T., Topcu K. S. B., Cacac E., Şahin O., et al.
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- IV. **Synthesis, crystal structure, Hirshfeld surface analyses, and DFT studies of (S)-2-(3,5-di-tert-butyl-4-hydroxyphenyl)-3,3-diethoxy-1-phenylpropan-1-one**
Khalilov A. N., Cisterna J., Cárdenas A., TÜZÜN B., ERKAN S., Gurbanov A. V., Brito I.
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- V. **Hydrazone-flavonol based oxidovanadium(V) complexes: Synthesis, characterization and antihyperglycemic activity of chloro derivative in vivo**
Zahirović A., Fočak M., Fetahović S., TÜZÜN B., Višnjevac A., Muzika V., Brulić M. M., Žero S., Čustović S., Crans D. C., et al.
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- VI. **8-Aminoquinoline derived two Schiff base platforms: Synthesis, characterization, DFT insights, corrosion inhibitor, molecular docking, and pH-dependent antibacterial study**
Majumdar D., Chatterjee A., Feizi-Dehnayebi M., Kiran N. S., TÜZÜN B., Mishra D.
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- VII. **Bioactivity, crystal and molecular structure of vanadyl(III) complex with N-salicyloyl – N'(3,5-ditertbutyl-2-hydroxy)benzylidene hydrazine**
Amrulla Fatullayeva P., Akper Medjidov A., Gennadievna Safronenko M., Nikolaevic Khrustalev V., Huseyn Ismayilov R., Allahverdi Bayramov M., YALÇIN B., Sadeghian N., Taslimi P., TÜZÜN B.
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- VIII. **Trinuclear nickel (II) string complexes and copper (II) coordination polymer with pyrazine modulated unsymmetrical dipyridylamino ligand: Synthesis, structure and bioactivity properties with molecular docking**
Ismayilov R. H., Valiyev F. F., Tagiyev D. B., Song Y., Medjidov A. A., Fatullayeva P. A., TÜZÜN B., Taslimi P., Peng C., Chien S., et al.
Journal of Molecular Structure, cilt.1307, 2024 (SCI-Expanded)
- IX. **Evaluation of antioxidant, antimicrobial, enzyme inhibition activity, and cell viability capacity of Hypericum heterophyllum vent., an endemic species in Turkey's Flora**
Eruygur N., Uçar E., TÜZÜN B., ATAŞ M., İnanır M., DEMİRBAŞ A., BAL H., Şenkal B. C., Uskutoğlu T.
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- X. **Synthesis, biological activities, and molecular docking studies of triazolo[4,3-b]triazine derivatives as a novel class of α -glucosidase and α -amylase inhibitors**
Seyfi S., Salarinejad S., Moghimi S., Toolabi M., Sadeghian N., TÜZÜN B., Firoozpour L., Ketabforoosh S. H. M. E., Taslimi P., Foroumadi A.
Archiv der Pharmazie, cilt.357, sa.7, 2024 (SCI-Expanded)
- XI. **Synthesis, Biological Properties, and Molecular Docking Study of Novel 1,2,3-Triazole-8-quinolinol Hybrids**
El Faydy M., Lakhrissi L., Dahaieh N., Ounine K., TÜZÜN B., Chahboun N., Boshala A., AIObaid A., Warad I., Lakhrissi B., et al.

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- XII. **Synthesis of 1,3-Disubstituted Tetrahydropyrimidinium Salts and Determination of Their Biological Properties and Molecular Docking**
KARACA E. Ö., GÜRBÜZ N., Demir Y., TÜZÜN B., ÖZDEMİR İ., GÜLÇİN İ.
ChemistrySelect, cilt.9, sa.19, 2024 (SCI-Expanded)
- XIII. **Supramolecular clumps of μ 2-1,3-acetate bridges of Cd(II)-Salen complex: Synthesis, spectroscopic characterization, crystal structure, DFT quantization's, and antifungal photodynamic therapy**
Majumdar D., Philip J. E., Gassoumi B., Ayachi S., Abdelaziz B., TÜZÜN B., Roy S.
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- XIV. **The pharmacological properties of Gypsophila eriocalyx: The endemic medicinal plant of northern central Turkey**
İnanir M., Uçar E., TÜZÜN B., Eruygur N., ATAŞ M., AKPULAT H. A.
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- XV. **Surface adsorption and corrosion resistance performance of modified chitosan: Gravimetric, electrochemical, and computational studies**
Haldhar R., Raorane C. J., Mishra V., TÜZÜN B., Berdimurodov E., Kim S.
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- XVI. **The impact of some metals, molecular docking and molecular dynamic calculations on glucose 6-phosphate dehydrogenase activity in Capoeta trutta (Heckel, 1843) tissue**
Kırıcı M., TÜZÜN B., Kırıcı M., ATAMANALP M., Poustforoosh A., BEYDEMİR Ş., Reşit Taysı M.
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- XVII. **Novel supramolecular co-crystal of 8-hydroxyquinoline with acetone-(2,4-dinitrophenyl)hydrazine: One pot synthesis, structural characterization, Hirshfeld surface and energy framework analysis, computational investigation and molecular docking study**
Zerrouki K., Bouchene R., TÜZÜN B., Retailleau P.
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- XVIII. **Biosorption of dye crystal violet on Tragopogon sp. leaf powder: Equilibrium, kinetics, thermodynamics, and DFT calculations**
Eyupoglu V., Aksu A., Çetinkaya H. F., ÇETİNTAŞ H. İ., ÇETİNKAYA S., TÜZÜN B.
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- XIX. **A Simple and Efficient Procedure Toward 2-Thioxoquinazolin-4(1H)-One Derivatives**
Ahmadi Shourkai F., Rashidi Ranjbar P., Mahdavi M., TÜZÜN B., Taslimi P.
Iranian Journal of Chemistry and Chemical Engineering, cilt.43, sa.3, ss.1103-1114, 2024 (SCI-Expanded)
- XX. **Synthesis, Enzyme Inhibition, and in Silico Studies of Amino Acid Schiff Bases**
Akkuş Taş N., Şenocak A., Taslimi P., TÜZÜN B., KARADAĞ A.
Iranian Journal of Chemistry and Chemical Engineering, cilt.43, sa.3, ss.1083-1093, 2024 (SCI-Expanded)
- XXI. **Schiff base derivatives against monkeypox virus: Synthesis, in silico, MM-GBSA and SAR properties**
KARATAŞ H., Kiliç H. K., TÜZÜN B., KÖKBUDAK Z.
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- XXII. **Crystal growth, morphological, mechanical, spectroscopic studies, optical properties, molecular docking, ADME/T, Hirshfeld surfaces analysis and theoretical calculations of hybrid organic-inorganic phosphate compound**
Rafik A., TÜZÜN B., Zouihri H., EL Ammari L., Safi Z. S., Wazzan N. A., Guedira T.
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- XXIII. **In-situ Salen-type ligand formation-driven of a heterometallic Cu(II)-Hg(II) complex: Synthetic update, crystallographic features, DFT calculations, and unveil antimicrobial profiles**
Majumdar D., Roy S., Elizabeth Philip J., TÜZÜN B., Hazra S.
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- XXIV. **Schiff base compounds constructed from pyrazole-acetamide: Synthesis, spectroscopic characterization, crystal structure, DFT, molecular docking and antioxidant activity**
Al Ati G., Chkirate K., El-Gouurami O., Chakchak H., TÜZÜN B., Mague J. T., Benzeid H., Achour R., Essassi E. M.

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- XXV. **A biochemistry-oriented drug design: synthesis, anticancer activity, enzymes inhibition, molecular docking studies of novel 1,2,4-triazole derivatives**
Yuriy K., Kusdemir G., Volodymyr P., TÜZÜN B., Taslimi P., Karatas O. F., Anastasia K., Maryna P., SAYIN K.
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- XXVI. **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, 2024 (SCI-Expanded)
- XXVII. **Tracing the pathways and mechanisms involved in the anti-breast cancer activity of glycyrrhizin using bioinformatics tools and computational methods**
Poustforoosh A., Faramarz S., Negahdaripour M., TÜZÜN B., Hashemipour H.
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- XXVIII. **In vitro and in silico evaluation of the antimicrobial and antioxidant activities of spiropyrazoline oxindole congeners**
Chalkha M., Chebbac K., Nour H., Nakkabi A., El Moussaoui A., TÜZÜN B., Bourhia M., Chtita S., Bakhouch M., Laaroussi H., et al.
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- XXIX. **Comparative study of experimental and DFT calculations for 3-cinnamoyl 4-hydroxycoumarin derivatives**
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Technology and health care : official journal of the European Society for Engineering and Medicine, cilt.32, sa.4, ss.2673-2684, 2024 (SCI-Expanded)
- XXX. **Investigation on the mechanisms by which the herbal remedies induce anti-prostate cancer activity: uncovering the most practical natural compound**
Poustforoosh A., Faramarz S., Negahdaripour M., TÜZÜN B., Hashemipour H.
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- XXXI. **Antioxidant enzyme activities, molecular docking studies, MM-GBSA, and molecular dynamic of chlorpyrifos in freshwater fish *Capoeta umbla***
Taysi M. R., Kirici M., Kirici M., TÜZÜN B., Poustforoosh A.
Journal of Biomolecular Structure and Dynamics, cilt.42, sa.1, ss.163-176, 2024 (SCI-Expanded)
- XXXII. **Moderate DNA and high SARS-CoV-2 spike protein affinity of oxidovanadium(IV) complexes of 2-furoic acid hydrazones: In silico and in vitro approach**
Zahirović A., TÜZÜN B., Hadžalić S., Osmanković I., Roca S., Begić S., Fočak M.
Journal of Molecular Structure, cilt.1294, 2023 (SCI-Expanded)
- XXXIII. **Design, synthesis, in-vitro and in-silico studies of chromone-isoxazoline conjugates as anti-bacterial agents**
Kanzouai Y., Chalkha M., Hadni H., Laghmari M., Bouzammit R., Nakkabi A., Benali T., TÜZÜN B., Akhazzane M., Yazidi M. E., et al.
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- XXXIV. **Molecular hybrids integrated with imidazole and hydrazone structural motifs: Design, synthesis, biological evaluation, and molecular docking studies**
Tapera M., Kekeçmuhammed H., SARIPINAR E., DOĞAN M., TÜZÜN B., KOÇYİĞİT Ü. M., Çetin F. N.
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- XXXV. **Immobilization of pectinase on chitosan-alginate-clay composite beads: Experimental, DFT and molecular docking studies**
Aksu A., Çetinkaya S., Fazıl Yenidünya A. F., Akkuş Çetinus Ş., Gezegen H., Tüzün B.
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- XXXVI. **Cationic resin polymer A@IRC-50 as an effective adsorbent for the removal of Cr(III), Cu(II), and Ag(I) from aqueous solutions: A kinetic, mathematical, thermodynamic and modeling study**
Bensalah J., Ouaddari H., Erdoğan Ş., TÜZÜN B., Gaafar A. Z., Nafidi H., Bourhia M., Habsaoui A.

- Inorganic Chemistry Communications, cilt.157, 2023 (SCI-Expanded)
- XXXVII. **Synthesis and characterization of some benzidine-based azomethine derivatives with molecular docking studies and anticancer activities**
Erdoğan M., Yeşildağ A., Yıldız B., TÜZÜN B., Özden Ö.
Chemical Papers, cilt.77, sa.11, ss.6829-6847, 2023 (SCI-Expanded)
- XXXVIII. **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.
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- XXXIX. **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)
- XL. **Synthesis of novel Cu(II) complexes with N2O2 ligands: Characterization, theoretical calculations, antimicrobial, antioxidant, DNA binding, and in vitro anticancer activity studies**
Mermer A., TÜZÜN B., DURNA DAŞTAN S., Çevik Ö.
Polyhedron, cilt.242, 2023 (SCI-Expanded)
- XLI. **Isofraxidin: Antioxidant, Anti-carbonic Anhydrase, Anti-cholinesterase, Anti-diabetic, and in Silico Properties**
DURMAZ L., GÜLÇİN İ., Taslimi P., TÜZÜN B.
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- XLII. **Synthesis, characterization, crystallographic aspects, Fukui function, and photodynamic antifungal chemotherapy investigation of Cd(II)-tricyanomethanide coordination polymer: Insights from DFT**
Majumdar D., Philip J. E., TÜZÜN B., Roy S.
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- XLIII. **A new 1-D polymeric chains of (C5H6ClN2)[CdCl3H2O].H2O perovskite: Synthesis, Structure, Physico-Chemical Characteristics, theoretical calculations, and biological effects**
Hermi S., Habib Mrad M., Alotaibi A. A., TÜZÜN B., Böhme U., Alotaibi K. M., Othmani A., Hassan H. A., Ben Nasr C.
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- XLIV. **Eco-friendly and potential colin esterase enzyme inhibitor agent sulfonyl hydrazone series: Synthesis, Bioactivity Screening, DFT, ADME properties, and Molecular Docking study**
ÖZDEMİR ÖZMEN Ü., TÜZÜN B., Ayan E. B., ÇEVİRİMLİ B. S.
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- XLV. **Anticorrosion properties of the epoxy polymer TGETBAU for mild steel in a solution of HCl (1.0 M): Experimental and computational approaches**
Ech-chebab A., Dahmani K., Hsissou R., Khouja O. E., Verma D. K., Berdimurodov E., Erdoğan S., TÜZÜN B., Lachhab R., Ejbouh A., et al.
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- XLVI. **Vanadium(IV) complexes of salicylaldehyde-based furoic acid hydrazones: Synthesis, BSA binding and in vivo antidiabetic potential**
Zahirović A., Hadžalić S., Višnjevac A., Fočak M., TÜZÜN B., Žilić D., Roca S., Jurec J., Topčagić A., Osmanković I.
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- XLVII. **Piperazin incorporated Schiff Base derivatives: Assessment of in vitro biological activities, metabolic enzyme inhibition properties, and molecular docking calculations**
Mermer A., Tüzün B., Durna Daştan S., Koçyiğit Ü. M., Çetin F. N., Çevik Ö.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.1, sa.1, ss.1-18, 2023 (SCI-Expanded)
- XLVIII. **In Silico Development of Novel Benzofuran-1,3,4-Oxadiazoles as Lead Inhibitors of M. tuberculosis Polyketide Synthase 13**
Irfan A., Faisal S., Zahoor A. F., Noreen R., Al-Hussain S. A., TÜZÜN B., Javaid R., Elhenawy A. A., Zaki M. E. A., Ahmad S., et al.
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- XLIX. Synthesis, Biological Activity Evaluation and Molecular Docking of Imidazole Derivatives Possessing Hydrazone Moiety**
Kekeçmuhammed H., Tapera M., Aydoğdu E., SARIPINAR E., Aydın Karatas E., Mehtap Uc E., Akyuz M., TÜZÜN B., GÜLÇİN İ., Emin Bora R., et al.
Chemistry and Biodiversity, cilt.20, sa.6, 2023 (SCI-Expanded)
- L. Promising Insecticidal Properties of Essential Oils from *Artemisia aragonensis* Lam. and *Artemisia negrei* L. (Asteraceae) by Targeting Gamma-Aminobutyric Acid and Ryanodine Receptor Proteins: In Vitro and In Silico Approaches**
Chebbac K., Benziane Ouaritini Z., Allali A., TÜZÜN B., Zouirech O., Chalkha M., El Moussaoui A., Lafraxo S., Nafidi H., Bin Jordan Y. A., et al.
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- LI. In vitro cytotoxic effects, in silico studies, some metabolic enzymes inhibition, and vibrational spectral analysis of novel β -amino alcohol compounds**
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- LII. Crystal structure, Hirshfeld surface and DFT computations, along with molecular docking investigations of a new pyrazole as a tyrosine kinase inhibitor**
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- LIII. Corrosion inhibition of Carbon Steel using a new morpholine-based ligand during acid pickling: Experimental and theoretical studies**
Rezaeivala M., Bozorg M., Rafiee N., SAYIN K., TÜZÜN B.
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- LIV. Synthesis, characterization, chemical and biological activities of 4-(4-methoxyphenethyl)-5- benzyl-2-hydroxy-2H-1,2,4-triazole-3(4H)-one phthalocyanine derivatives**
Sarkı G., TÜZÜN B., Ünlüer D., KANTEKİN H.
Inorganica Chimica Acta, cilt.545, 2023 (SCI-Expanded)
- LV. Biosorption of Rhodamine B dye from aqueous solution by *Rhus coriaria* L. plant: Equilibrium, kinetic, thermodynamic and DFT calculations**
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- LVI. Removal of safranin O from wastewater using *Streptomyces griseobrunneus* dead biomass and in silico calculations**
Çelik M. S., KÜTÜK N., YENİDÜNYA A. F., ÇETİNKAYA S., TÜZÜN B.
Biomass Conversion and Biorefinery, 2023 (SCI-Expanded)
- LVII. In vitro anticancer, antioxidant and enzyme inhibitory potentials of endemic *Cephalaria elazigensis* var. *purpurea* with in silico studies**
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Journal of Biomolecular Structure and Dynamics, cilt.41, sa.21, ss.11832-11844, 2023 (SCI-Expanded)
- LVIII. EXPERIMENTAL AND THEORETICAL INVESTIGATION OF ANTIOXIDANT ACTIVITY OF SOME DERIVATIVES WITH COUMARIN SCAFFOLD**
Tătăringă G., TÜZÜN B., Zbancioc A.
Farmacia, cilt.71, sa.2, ss.359-366, 2023 (SCI-Expanded)
- LIX. Removal of Erythrosine B dye from wastewater by *Penicillium italicum*: experimental, DFT, and molecular docking studies**
ÇETİNKAYA S., Eyupoglu V., ÇETİNTAŞ H. İ., YENİDÜNYA A. F., KEBABCI Ö., TÜZÜN B.
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- LX. Synthesis, molecular modeling investigation, molecular dynamic and ADME prediction of some novel Mannich bases derived from 1,2,4-triazole, and assessment of their anticancer activity**
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Yüksek H.

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- LXI. **Synthesis, Spectroscopic Characterization, Antibacterial Activity, and Computational Studies of Novel Pyridazinone Derivatives**
Daoui S, Direkel Ş, Ibrahim M. M., TÜZÜN B., Chelfi T, Al-Ghorbani M., Bouatia M., Karbane M. E., Doukkali A., Benchat N., et al.
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- LXII. **Design, syntheses, theoretical calculations, MM-GBSA, potential anti-cancer and enzyme activities of novel Schiff base compounds**
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- LXIII. **Sertraline: Theoretical Studies and a New Potentiometric PVC Membrane Sensor for its Determination**
Saber A. L., TÜZÜN B., Alessa H., Althakafy J. T.
Current Analytical Chemistry, cilt.19, sa.3, ss.262-271, 2023 (SCI-Expanded)
- LXIV. **Synthesis, carbonic anhydrase inhibitory activity, anticancer activity and molecular docking studies of new imidazolyl hydrazone derivatives**
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- XCIV. **Design, synthesis, characterization, biological evaluation, and molecular docking studies of novel 1,2-aminopropanthiols substituted derivatives as selective carbonic anhydrase, acetylcholinesterase and alpha-glycosidase enzymes inhibitors**
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- CXXIII. **Anti-corrosion performance of 8-hydroxyquinoline derivatives for mild steel in acidic medium: Gravimetric, electrochemical, DFT and molecular dynamics simulation investigations**
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Yayın: 238

Atıf (WoS): 1666

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H-İndeks (Scopus): 30