

# Fikret Trkan

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

295  
papers

19,505  
citations

78  
h-index

128  
g-index

301  
ext. papers

22,800  
ext. citations

3.9  
avg, IF

7.92  
L-index

| #   | Paper  | IF  | Citations |
|-----|--|-----|-----------|
| 295 | Metal Ions, Metal Chelators and Metal Chelating Assay as Antioxidant Method. <i>Processes</i> , <b>2022</b> , 10, 132  | 2.9 | 13        |
| 294 | Synthesis, molecular docking and some metabolic enzyme inhibition properties of biphenyl-substituted chalcone derivatives. <i>Journal of Molecular Structure</i> , <b>2022</b> , 1254, 132358  | 3.4 | 3         |
| 293 | Cytotoxicity effects and biochemical investigation of novel tetrakis-phthalocyanines bearing 2-thiocytosine moieties with molecular docking studies. <i>Inorganic Chemistry Communication</i> , <b>2022</b> , 138, 109263  | 3.1 | 3         |
| 292 | Synthesis and inhibition profiles of N-benzyl- and N-allyl aniline derivatives against carbonic anhydrase and acetylcholinesterase [A molecular docking study. <i>Arabian Journal of Chemistry</i> , <b>2022</b> , 15, 103645  | 5.9 | 12        |
| 291 | Potential thiosemicarbazone-based enzyme inhibitors: Assessment of antiproliferative activity, metabolic enzyme inhibition properties, and molecular docking calculations.. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2022</b> , e23018  | 3.4 | 0         |
| 290 | Benzimidazolium salts bearing the trifluoromethyl group as organofluorine compounds: Synthesis, characterization, crystal structure, in silico study, and inhibitory profiles against acetylcholinesterase and $\alpha$ -glycosidase.. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2022</b> , e23001 | 3.4 | 1         |
| 289 | Synthesis and acetylcholinesterase enzyme inhibitory effects of some novel 4,5-Dihydro-1-1,2,4-triazol-5-one derivatives; an and study.. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2022</b> , 1-9   | 3.6 | 1         |
| 288 | Screening of Carbonic Anhydrase, Acetylcholinesterase, Butyrylcholinesterase, and $\alpha$ -Glycosidase Enzyme Inhibition Effects and Antioxidant Activity of Coumestrol. <i>Molecules</i> , <b>2022</b> , 27, 3091  | 4.8 | 4         |
| 287 | Pentafluorobenzyl-substituted Benzimidazolium Salts: Synthesis, Characterization, Crystal Structures, Computational Studies and Inhibitory Properties of Some Metabolic Enzymes. <i>Journal of Molecular Structure</i> , <b>2022</b> , 133266  | 3.4 | 2         |
| 286 | Inhibition effects of isoproterenol, chlorpromazine, carbamazepine, tamoxifen drugs on glutathione S-transferase, cholinesterases enzymes and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 3277-3284   | 3.6 | 7         |
| 285 | The biological activities, molecular docking studies, and anticancer effects of 1-arylsulphonylpyrazole derivatives. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 3336-3346   | 3.6 | 32        |
| 284 | Some metal chelates with Schiff base ligand: synthesis, structure elucidation, thermal behavior, XRD evaluation, antioxidant activity, enzyme inhibition, and molecular docking studies. <i>Molecular Diversity</i> , <b>2021</b> , 1  | 3.1 | 2         |
| 283 | Evaluation of the Antioxidant and Antiradical Properties of Some Phyto and Mammalian Lignans. <i>Molecules</i> , <b>2021</b> , 26,   | 4.8 | 8         |
| 282 | Unravelling the phenolic compound reserves, antioxidant and enzyme inhibitory activities of an endemic plant species,. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-12  | 3.6 | 1         |
| 281 | Synthesis and some enzyme inhibition effects of isoxazoline and pyrazoline derivatives including benzonorbornene unit. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2021</b> , e22952   | 3.4 | 0         |
| 280 | Selenourea and thiourea derivatives of chiral and achiral enetetramines: Synthesis, characterization and enzyme inhibitory properties.. <i>Bioorganic Chemistry</i> , <b>2021</b> , 120, 105566  | 5.1 | 5         |
| 279 | Discovery of sulfadrag-pyrrole conjugates as carbonic anhydrase and acetylcholinesterase inhibitors. <i>Archiv Der Pharmazie</i> , <b>2021</b> , e2100242  | 4.3 | 42        |

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| 278 | The effects of <i>Daucus carota</i> extract against PC3, PNT1a prostate cells, acetylcholinesterase, glutathione S-transferase, and $\alpha$ -glucosidase; an in vitro-in silico study. <i>Journal of Food Biochemistry</i> , <b>2021</b> , 45, e13975   | 3.3 | 1  |
| 277 | Synthesis, enzymes inhibitory properties and characterization of 2- (bis (4-aminophenyl) methyl) butan-1-ol compound: Quantum simulations, and in-silico molecular docking studies. <i>Journal of the Indian Chemical Society</i> , <b>2021</b> , 98, 100206   |     | 2  |
| 276 | Benzenesulfonamide derivatives as potent acetylcholinesterase, $\alpha$ -glucosidase, and glutathione S-transferase inhibitors: biological evaluation and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 5449-5460                                     | 3.6 | 29 |
| 275 | Cytotoxic effects, carbonic anhydrase isoenzymes, $\alpha$ -glucosidase and acetylcholinesterase inhibitory properties, and molecular docking studies of heteroatom-containing sulfonyl hydrazone derivatives. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 5539-5550           | 3.6 | 13 |
| 274 | Synthesis, characterization, powder X-ray diffraction analysis, thermal stability, antioxidant properties and enzyme inhibitions of M(II)-Schiff base ligand complexes. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 6480-6487  | 3.6 | 12 |
| 273 | Synthesis, Characterization, and Inhibition Study of Novel Substituted Phenylureido Sulfaguanidine Derivatives as $\alpha$ -Glucosidase and Cholinesterase Inhibitors. <i>Chemistry and Biodiversity</i> , <b>2021</b> , 18, e2000958 <sup>2-5</sup>   |     | 23 |
| 272 | PEPPSI type Pd(II)NHC complexes bearing chloro-/fluorobenzyl group: Synthesis, characterization, crystal structures, $\alpha$ -glucosidase and acetylcholinesterase inhibitory properties. <i>Polyhedron</i> , <b>2021</b> , 198, 115060   | 2.7 | 8  |
| 271 | New Chalcone Derivatives with Pyrazole and Sulfonamide Pharmacophores as Carbonic Anhydrase Inhibitors. <i>Letters in Drug Design and Discovery</i> , <b>2021</b> , 18, 191-198  | 0.8 | 2  |
| 270 | Novel inhibitors with sulfamethazine backbone: synthesis and biological study of multi-target cholinesterases and $\alpha$ -glucosidase inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-13   | 3.6 | 14 |
| 269 | New quinoxalin-1,3,4-oxadiazole derivatives: Synthesis, characterization, in vitro biological evaluations, and molecular modeling studies. <i>Archiv Der Pharmazie</i> , <b>2021</b> , 354, e2000471   | 4.3 | 3  |
| 268 | Synthesis and in silico studies of Novel Ru(II) complexes of Schiff base derivatives of 3-[(4-amino-5-thioxo-1,2,4-triazole-3-yl)methyl]-2(3H)-benzoxazolone compounds as potent Glutathione S-transferase and Cholinesterases Inhibitor. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1231, 129943 | 3.4 | 8  |
| 267 | Synthesis and biological evaluation of new pyrazolebenzene-sulphonamides as potential anticancer agents and hCA I and II inhibitors. <i>Turkish Journal of Chemistry</i> , <b>2021</b> , 45, 528-539   | 1   | 1  |
| 266 | A study on the effects of inhibition mechanism of curcumin, quercetin, and resveratrol on human glutathione reductase through and approaches. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 1744-1753  | 3.6 | 12 |
| 265 | Determination of anticancer properties and inhibitory effects of some metabolic enzymes including acetylcholinesterase, butyrylcholinesterase, alpha-glucosidase of some compounds with molecular docking study. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 3693-3702         | 3.6 | 14 |
| 264 | Investigation of the toxicological and inhibitory effects of some benzimidazole agents on acetylcholinesterase and butyrylcholinesterase enzymes. <i>Archives of Physiology and Biochemistry</i> , <b>2021</b> , 127, 97-101   | 2.2 | 13 |
| 263 | Synthesis, characterization, biological activity and molecular docking studies of novel schiff bases derived from thiosemicarbazide: Biochemical and computational approach. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1231, 129666  | 3.4 | 6  |
| 262 | Novel silver(I)N-heterocyclic carbene complexes bearing 2-(4-hydroxyphenyl)ethyl group: Synthesis, characterization, and enzyme inhibition properties. <i>Journal of Heterocyclic Chemistry</i> , <b>2021</b> , 58, 603-611  | 1.9 | 3  |
| 261 | Synthesis, characterization and bioactivities of dative donor ligand N-heterocyclic carbene (NHC) precursors and their Ag(I)NHC coordination compounds. <i>Polyhedron</i> , <b>2021</b> , 193, 114866  | 2.7 | 16 |

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| 260 | Synthesis, design, and assessment of novel morpholine-derived Mannich bases as multifunctional agents for the potential enzyme inhibitory properties including docking study. <i>Bioorganic Chemistry</i> , <b>2021</b> , 107, 104524                                   | 5.1 | 5  |
| 259 | Probing 4-(diethylamino)-salicylaldehyde-based thiosemicarbazones as multi-target directed ligands against cholinesterases, carbonic anhydrases and $\beta$ -glycosidase enzymes. <i>Bioorganic Chemistry</i> , <b>2021</b> , 107, 104554                               | 5.1 | 15 |
| 258 | Design, synthesis, characterization, enzymatic inhibition evaluations, and docking study of novel quinazolinone derivatives. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 170, 1-12  | 7.9 | 20 |
| 257 | Biochemical constituent, enzyme inhibitory activity, and molecular docking analysis of an endemic plant species, <i>Thymus migricus</i> . <i>Chemical Papers</i> , <b>2021</b> , 75, 1133-1146  | 1.9 | 13 |
| 256 | Synthesis, characterization, crystal structure, $\beta$ -glycosidase, and acetylcholinesterase inhibitory properties of 1,3-disubstituted benzimidazolium salts. <i>Archiv Der Pharmazie</i> , <b>2021</b> , 354, e2000422  | 4.3 | 4  |
| 255 | Synthesis of novel 1,2,3 triazole derivatives and assessment of their potential cholinesterases, glutathione S-transferase enzymes inhibitory properties: An in vitro and in silico study. <i>Bioorganic Chemistry</i> , <b>2021</b> , 107, 104606                      | 5.1 | 4  |
| 254 | Transition metal complexes of a multidentate Schiff base ligand containing pyridine: synthesis, characterization, enzyme inhibitions, antioxidant properties, and molecular docking studies. <i>BioMetals</i> , <b>2021</b> , 34, 393-406                               | 3.4 | 7  |
| 253 | Design, synthesis, molecular docking, and some metabolic enzyme inhibition properties of novel quinazolinone derivatives. <i>Archiv Der Pharmazie</i> , <b>2021</b> , 354, e2000455   | 4.3 | 7  |
| 252 | Determination of Phenolic Content, Biological Activity, and Enzyme Inhibitory Properties with Molecular Docking Studies of <i>Rumex nepalensis</i> , an Endemic Medicinal Plant. <i>Journal of Food and Nutrition Research (Newark, Del)</i> , <b>2021</b> , 9, 114-123 | 1.9 | 5  |
| 251 | New chalcone derivative, ethyl 2-(4-(3-(benzo[ $\theta$ ]thiophen-2-yl)acryloyl)phenoxy)acetate: synthesis, characterization, DFT study, enzyme inhibition activities and docking study. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-8      | 3.6 |    |
| 250 | and enzyme inhibition effects of some metal ions and compounds on glutathione S-transferase enzyme purified from <i>L. Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-7   | 3.6 | 2  |
| 249 | Novel potential metabolic enzymes inhibitor, photosensitizer and antibacterial agents based on water-soluble phthalocyanine bearing imidazole derivative. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1237, 130402  | 3.4 | 8  |
| 248 | Inhibition Profiles of Some Symmetric Sulfamides Derived from Phenethylamines on Human Carbonic Anhydrase I, and II Isoenzymes. <i>Chemistry and Biodiversity</i> , <b>2021</b> , 18, e2100422  | 2.5 | 3  |
| 247 | Novel hypervalent iodine catalyzed synthesis of $\beta$ -sulfonyl ketones: Biological activity and molecular docking studies. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1239, 130492  | 3.4 | 6  |
| 246 | Synthesis, biological activity and docking calculations of bis-naphthoquinone derivatives from Lawsone. <i>Bioorganic Chemistry</i> , <b>2021</b> , 114, 105069   | 5.1 | 11 |
| 245 | 2-methylindole analogs as cholinesterases and glutathione S-transferase inhibitors: Synthesis, biological evaluation, molecular docking, and pharmacokinetic studies. <i>Arabian Journal of Chemistry</i> , <b>2021</b> , 103449  | 5.9 | 4  |
| 244 | Cholinesterases, carbonic anhydrase inhibitory properties and in silico studies of novel substituted benzylamines derived from dihydrochalcones. <i>Computational Biology and Chemistry</i> , <b>2021</b> , 94, 107565  | 3.6 | 5  |
| 243 | Synthesis, Spectroscopic Analysis, and in Vitro/in Silico Biological Studies of Novel Piperidine Derivatives Heterocyclic Schiff-Mannich Base Compounds. <i>Chemistry and Biodiversity</i> , <b>2021</b> , 18, e2100433   | 3.5 | 1  |

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| 242 | Enzyme inhibitory function and phytochemical profile of <i>Inula discoidea</i> using in vitro and in silico methods. <i>Biophysical Chemistry</i> , <b>2021</b> , 277, 106629   | 3-5 | 9   |
| 241 | Investigation of spectroscopic, thermal, and biological properties of FeII, CoII, ZnII, and RuII complexes derived from azo dye ligand. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1244, 130989  | 3-4 | 6   |
| 240 | The toxicological impact of some agents on glutathione S-transferase and cholinesterase enzymes <b>2021</b> , 281-290   |     | 1   |
| 239 | Concise syntheses and some biological activities of dl-2,5-di-O-methyl-chiro-inositol, dl-1,4-di-O-methyl-scyllo-inositol, and dl-1,6-dibromo-1,6-dideoxy-2,5-di-O-methyl-chiro-inositol. <i>Archiv Der Pharmazie</i> , <b>2021</b> , 354, e2000254   | 4-3 | 3   |
| 238 | Synthesis, characterization, inhibition effects, and molecular docking studies as acetylcholinesterase, <del>glycosidase</del> , and carbonic anhydrase inhibitors of novel benzenesulfonamides incorporating 1,3,5-triazine structural motifs. <i>Bioorganic Chemistry</i> , <b>2020</b> , 100, 103897 | 5-1 | 76  |
| 237 | Novel benzo[b]xanthene derivatives: Bismuth(III) triflate-catalyzed one-pot synthesis, characterization, and acetylcholinesterase, glutathione S-transferase, and butyrylcholinesterase inhibitory properties. <i>Archiv Der Pharmazie</i> , <b>2020</b> , 353, e2000030                                | 4-3 | 10  |
| 236 | N-Substituted pyrimidinethione and acetophenone derivatives as a new therapeutic approach in diabetes. <i>Archiv Der Pharmazie</i> , <b>2020</b> , 353, e2000075  | 4-3 | 8   |
| 235 | Synthesis, characterization, biological evaluation, and in silico studies of novel 1,3-diaryltriazene-substituted sulfathiazole derivatives. <i>Archiv Der Pharmazie</i> , <b>2020</b> , 353, e2000102  | 4-3 | 38  |
| 234 | A Novel Ag-N-Heterocyclic Carbene Complex Bearing the Hydroxyethyl Ligand: Synthesis, Characterization, Crystal and Spectral Structures and Bioactivity Properties. <i>Crystals</i> , <b>2020</b> , 10, 171   | 2-3 | 27  |
| 233 | Antioxidants and antioxidant methods: an updated overview. <i>Archives of Toxicology</i> , <b>2020</b> , 94, 651-715  | 5-8 | 365 |
| 232 | Synthesis, characterization, molecular docking, and biological activities of coumarin-1,2,3-triazole-acetamide hybrid derivatives. <i>Archiv Der Pharmazie</i> , <b>2020</b> , 353, e2000109  | 4-3 | 27  |
| 231 | Synthesis of novel organohalogen chalcone derivatives and screening of their molecular docking study and some enzymes inhibition effects. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1208, 127868  | 3-4 | 25  |
| 230 | Novel amine-functionalized benzimidazolium salts: Synthesis, characterization, bioactivity, and molecular docking studies. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1207, 127802   | 3-4 | 25  |
| 229 | Inhibition effects of some pesticides and heavy metals on carbonic anhydrase enzyme activity purified from horse mackerel ( <i>Trachurus trachurus</i> ) gill tissues. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 10607-10616  | 5-1 | 22  |
| 228 | Novel functionally substituted esters based on sodium diethyldithiocarbamate derivatives: Synthesis, characterization, biological activity and molecular docking studies. <i>Bioorganic Chemistry</i> , <b>2020</b> , 99, 103762  | 5-1 | 27  |
| 227 | Screening of non-alkaloid acetylcholinesterase and carbonic anhydrase isoenzymes inhibitors of <i>Leiotulus dasyanthus</i> (K. Koch) Pimenov & Ostr. (Apiaceae). <i>Journal of Essential Oil Research</i> , <b>2020</b> , 32, 227-241   | 2-3 | 5   |
| 226 | Synthesis, characterization, photo-physicochemical and biological properties of water-soluble tetra-substituted phthalocyanines: Antidiabetic, anticancer and anticholinergic potentials. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2020</b> , 396, 112511                    | 4-7 | 14  |
| 225 | Potent Acetylcholinesterase Inhibitors: Potential Drugs for Alzheimer's Disease. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2020</b> , 20, 703-715   | 3-2 | 34  |

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| 224 | In Vitro Inhibition Effect and Molecular Docking Study of Curcumin, Resveratrol, and Quercetin on Human Erythrocyte Glutathione Transferase. <i>Current Enzyme Inhibition</i> , <b>2020</b> , 15, 197-205  | 0.5 | 4  |
| 223 | Synthesis and antioxidant activities of phenol derivatives from 1,6-bis(dimethoxyphenyl)hexane-1,6-dione. <i>Bioorganic Chemistry</i> , <b>2020</b> , 100, 103884  | 5.1 | 32 |
| 222 | Novel propanolamine derivatives attached to 2-metoxifenol moiety: Synthesis, characterization, biological properties, and molecular docking studies. <i>Bioorganic Chemistry</i> , <b>2020</b> , 101, 103969   | 5.1 | 32 |
| 221 | In vitro effects of standard antioxidants on lactoperoxidase enzyme-A molecular docking approach. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2020</b> , 34, e22421  | 3.4 | 11 |
| 220 | Lactoperoxidase inhibition of some natural phenolic compounds: Kinetics and molecular docking studies. <i>Journal of Food Biochemistry</i> , <b>2020</b> , 44, e13132  | 3.3 | 7  |
| 219 | Toxicological effects of some antiparasitic drugs on equine liver glutathione S-Transferase enzyme activity. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 180, 113048  | 3.5 | 5  |
| 218 | Synthesis of novel $\beta$ -amino carbonyl derivatives and their inhibition effects on some metabolic enzymes. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1204, 127453  | 3.4 | 27 |
| 217 | Synthesis, characterization and biological evaluation of N-substituted triazinane-2-thiones and theoretical-experimental mechanism of condensation reaction. <i>Applied Organometallic Chemistry</i> , <b>2020</b> , 34, e5329   | 3.1 | 5  |
| 216 | Novel sulphonamides incorporating triazene moieties show powerful carbonic anhydrase I and II inhibitory properties. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2020</b> , 35, 325-329   | 5.6 | 18 |
| 215 | Synthesis, characterization, biological evaluation, and molecular docking studies of some piperonyl-based 4-thiazolidinone derivatives. <i>Archiv Der Pharmazie</i> , <b>2020</b> , 353, e1900304  | 4.3 | 20 |
| 214 | Novel quinazolin-sulfonamid derivatives: synthesis, characterization, biological evaluation, and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 1-12   | 3.6 | 4  |
| 213 | Metal contained Phthalocyanines with 3,4-Dimethoxyphenethoxy substituents: their anticancer, antibacterial activities and their inhibitory effects on some metabolic enzymes with molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 1-12  | 3.6 | 1  |
| 212 | Evaluation of some thiophene-based sulfonamides as potent inhibitors of carbonic anhydrase I and II isoenzymes isolated from human erythrocytes by kinetic and molecular modelling studies. <i>Pharmacological Reports</i> , <b>2020</b> , 72, 1738-1748   | 3.9 | 4  |
| 211 | Determination of the inhibition profiles of pyrazolyl-thiazole derivatives against aldose reductase and $\beta$ -glycosidase and molecular docking studies. <i>Archiv Der Pharmazie</i> , <b>2020</b> , 353, e2000118  | 4.3 | 32 |
| 210 | Cholinesterases, $\beta$ -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. <i>Bioorganic Chemistry</i> , <b>2020</b> , 97, 103647  | 5.1 | 33 |
| 209 | Phthalocyanine complexes with (4-isopropylbenzyl)oxy substituents: preparation and evaluation of anti-carbonic anhydrase, anticholinesterase enzymes and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 1-9  | 3.6 | 5  |
| 208 | Design, synthesis, characterization, biological evaluation, and molecular docking studies of novel 1,2-aminopropanthiols substituted derivatives as selective carbonic anhydrase, acetylcholinesterase and $\beta$ -glycosidase enzymes inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 1-13 | 3.6 | 11 |
| 207 | Molecular docking and inhibition profiles of some antibiotics on lactoperoxidase enzyme purified from bovine milk. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 1-10  | 3.6 | 2  |

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| 206 | Possible inhibition mechanism of dobutamine hydrochloride as potent inhibitor for human glucose-6-phosphate dehydrogenase enzyme. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 1-9  | 3.6 | 0  |
| 205 | Investigation of the effects of cephalosporin antibiotics on glutathione S-transferase activity in different tissues of rats conditions in order to drug development research. <i>Drug and Chemical Toxicology</i> , <b>2020</b> , 43, 423-428   | 2.3 | 18 |
| 204 | Influence of some $\beta$ -lactam drugs on selected antioxidant enzyme and lipid peroxidation levels in different rat tissues. <i>Drug and Chemical Toxicology</i> , <b>2020</b> , 43, 27-36   | 2.3 | 9  |
| 203 | ICP-MS and HPLC analyses, enzyme inhibition and antioxidant potential of <i>Achillea schischkinii</i> Sosn. <i>Bioorganic Chemistry</i> , <b>2020</b> , 94, 103333   | 5.1 | 53 |
| 202 | Anti-Alzheimer, antidiabetic and antioxidant potential of <i>Satureja cuneifolia</i> and analysis of its phenolic contents by LC-MS/MS. <i>Arabian Journal of Chemistry</i> , <b>2020</b> , 13, 4528-4537  | 5.9 | 48 |
| 201 | Synthesis, spectroscopic properties, crystal structures, antioxidant activities and enzyme inhibition determination of Co(II) and Fe(II) complexes of Schiff base. <i>Research on Chemical Intermediates</i> , <b>2020</b> , 46, 283-297   | 2.8 | 24 |
| 200 | The Influence of Some Nonsteroidal Anti-inflammatory Drugs on Metabolic Enzymes of Aldose Reductase, Sorbitol Dehydrogenase, and $\beta$ -Glycosidase: a Perspective for Metabolic Disorders. <i>Applied Biochemistry and Biotechnology</i> , <b>2020</b> , 190, 437-447   | 3.2 | 29 |
| 199 | Synthesis of water soluble tetra-substituted phthalocyanines: Investigation of DNA cleavage, cytotoxic effects and metabolic enzymes inhibition. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1214, 128210  | 3.4 | 20 |
| 198 | Comparison of the protective effects of curcumin and caffeic acid phenethyl ester against doxorubicin-induced testicular toxicity. <i>Andrologia</i> , <b>2020</b> , 53, e13919  | 2.4 | 3  |
| 197 | 2H-Indazolo[2,1-b]phthalazine-trione derivatives: Inhibition on some metabolic enzymes and molecular docking studies. <i>Journal of Heterocyclic Chemistry</i> , <b>2020</b> , 57, 3116-3125   | 1.9 | 5  |
| 196 | Phytochemical Content, Antidiabetic, Anticholinergic, and Antioxidant Activities of Endemic <i>Lecokia cretica</i> Extracts. <i>Chemistry and Biodiversity</i> , <b>2019</b> , 16, e1900341  | 2.5 | 29 |
| 195 | The effects of zingerone against vancomycin-induced lung, liver, kidney and testis toxicity in rats: The behavior of some metabolic enzymes. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2019</b> , 33, e22381   | 3.4 | 32 |
| 194 | Purification and characterization of the carbonic anhydrase enzyme from horse mackerel ( <i>Trachurus trachurus</i> ) muscle and the impact of some metal ions and pesticides on enzyme activity. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2019</b> , 226, 108605 | 3.2 | 25 |
| 193 | Pyrazole[3,4-d]pyridazine derivatives: Molecular docking and explore of acetylcholinesterase and carbonic anhydrase enzymes inhibitors as anticholinergics potentials. <i>Bioorganic Chemistry</i> , <b>2019</b> , 92, 103213  | 5.1 | 41 |
| 192 | Design, synthesis, in vitro and in vivo evaluation of novel pyrrolizine-based compounds with potential activity as cholinesterase inhibitors and anti-Alzheimer's agents. <i>Bioorganic Chemistry</i> , <b>2019</b> , 93, 103312   | 5.1 | 23 |
| 191 | Mono- or di-substituted imidazole derivatives for inhibition of acetylcholine and butyrylcholine esterases. <i>Bioorganic Chemistry</i> , <b>2019</b> , 86, 187-196  | 5.1 | 60 |
| 190 | Synthesis, characterization, molecular docking and biological activities of novel pyrazoline derivatives. <i>Archiv Der Pharmazie</i> , <b>2019</b> , 352, e1800359  | 4.3 | 49 |
| 189 | In vivo biochemical evaluations of some $\beta$ -lactam group antibiotics on glutathione reductase and glutathione S-transferase enzyme activities. <i>Life Sciences</i> , <b>2019</b> , 231, 116572   | 6.8 | 5  |

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| 188 | Spectroscopic and Structural Characterization, Enzyme Inhibitions, and Antioxidant Effects of New Ru(II) and Ni(II) Complexes of Schiff Base. <i>Chemistry and Biodiversity</i> , <b>2019</b> , 16, e1900243   | 2.5 | 16  |
| 187 | Antidiabetic properties of dietary phenolic compounds: Inhibition effects on $\alpha$ -amylase, aldose reductase, and $\alpha$ -glucosidase. <i>Biotechnology and Applied Biochemistry</i> , <b>2019</b> , 66, 781-786   | 2.8 | 47  |
| 186 | Synthesis and biological evaluation of bromophenol derivatives with cyclopropyl moiety: Ring opening of cyclopropane with monoester. <i>Bioorganic Chemistry</i> , <b>2019</b> , 89, 103017  | 5.1 | 70  |
| 185 | New phenolic Mannich bases with piperazines and their bioactivities. <i>Bioorganic Chemistry</i> , <b>2019</b> , 90, 103057  | 5.1 | 34  |
| 184 | Glutathione S-Transferase: Purification and Characterization of from Cherry Laurel ( <i>Prunus laurocerasus</i> L.) and the Investigation In Vitro Effects of Some Metal Ions and Organic Compounds on Enzyme Activity. <i>BioNanoScience</i> , <b>2019</b> , 9, 683-691       | 3.4 | 7   |
| 183 | Novel eugenol bearing oxypropanolamines: Synthesis, characterization, antibacterial, antidiabetic, and anticholinergic potentials. <i>Bioorganic Chemistry</i> , <b>2019</b> , 88, 102931  | 5.1 | 66  |
| 182 | Sage ( <i>Salvia pilifera</i> ): determination of its polyphenol contents, anticholinergic, antidiabetic and antioxidant activities. <i>Journal of Food Measurement and Characterization</i> , <b>2019</b> , 13, 2062-2074   | 2.8 | 57  |
| 181 | Synthesis and characterization of novel bromophenols: Determination of their anticholinergic, antidiabetic and antioxidant activities. <i>Bioorganic Chemistry</i> , <b>2019</b> , 87, 91-102  | 5.1 | 64  |
| 180 | Measurement of anticancer, antidiabetic and anticholinergic properties of sumac ( <i>Rhus coriaria</i> ): analysis of its phenolic compounds by LCMS/MS. <i>Journal of Food Measurement and Characterization</i> , <b>2019</b> , 13, 1607-1619                                 | 2.8 | 42  |
| 179 | Purification and characterization of glutathione S-transferase from blueberry fruits (L.) and investigated of some pesticide inhibition effects on enzyme activity. <i>Heliyon</i> , <b>2019</b> , 5, e01422   | 3.6 | 16  |
| 178 | Tannic acid as a natural antioxidant compound: Discovery of a potent metabolic enzyme inhibitor for a new therapeutic approach in diabetes and Alzheimer's disease. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2019</b> , 33, e22340                          | 3.4 | 31  |
| 177 | Synthesis, biological evaluation and molecular docking of novel pyrazole derivatives as potent carbonic anhydrase and acetylcholinesterase inhibitors. <i>Bioorganic Chemistry</i> , <b>2019</b> , 86, 420-427   | 5.1 | 105 |
| 176 | Investigation of the effects of some sulfonamides on acetylcholinesterase and carbonic anhydrase enzymes. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2019</b> , 33, e22300  | 3.4 | 16  |
| 175 | The antidiabetic and anticholinergic effects of chrysin on cyclophosphamide-induced multiple organ toxicity in rats: Pharmacological evaluation of some metabolic enzyme activities. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2019</b> , 33, e22313         | 3.4 | 74  |
| 174 | The behavior of some chalcones on acetylcholinesterase and carbonic anhydrase activity. <i>Drug and Chemical Toxicology</i> , <b>2019</b> , 42, 634-640  | 2.3 | 32  |
| 173 | Synthesis, characterization, crystal structures, theoretical calculations and biological evaluations of novel substituted tacrine derivatives as cholinesterase and carbonic anhydrase enzymes inhibitors. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1175, 906-915 | 3.4 | 55  |
| 172 | Novel 2-aminopyridine liganded Pd(II) N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure and bioactivity properties. <i>Bioorganic Chemistry</i> , <b>2019</b> , 91, 103134  | 5.1 | 91  |
| 171 | Synthesis and biological evaluation of some new mono Mannich bases with piperazines as possible anticancer agents and carbonic anhydrase inhibitors. <i>Bioorganic Chemistry</i> , <b>2019</b> , 90, 103095  | 5.1 | 35  |



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| 170 | The green synthesis and molecular docking of novel N-substituted rhodanines as effective inhibitors for carbonic anhydrase and acetylcholinesterase enzymes. <i>Bioorganic Chemistry</i> , <b>2019</b> , 90, 103096  | 5.1 | 54 |
| 169 | Novel tribenzylaminobenzolsulphonylimine based on their pyrazine and pyridazines: Synthesis, characterization, antidiabetic, anticancer, anticholinergic, and molecular docking studies. <i>Bioorganic Chemistry</i> , <b>2019</b> , 93, 103313  | 5.1 | 48 |
| 168 | Synthesis of amino acid derivatives and their inhibitory profiles against some metabolic enzymes. <i>Archiv Der Pharmazie</i> , <b>2019</b> , 352, e1900200  | 4.3 | 9  |
| 167 | Synthesis of novel bis-sulfone derivatives and their inhibition properties on some metabolic enzymes including carbonic anhydrase, acetylcholinesterase, and butyrylcholinesterase. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2019</b> , 33, e22401                          | 3.4 | 4  |
| 166 | Investigation of inhibitory properties of some hydrazone compounds on hCA I, hCA II and AChE enzymes. <i>Bioorganic Chemistry</i> , <b>2019</b> , 86, 316-321  | 5.1 | 80 |
| 165 | Anticholinergic and antioxidant activities of usnic acid-an activity-structure insight. <i>Toxicology Reports</i> , <b>2019</b> , 6, 1273-1280   | 4.8 | 68 |
| 164 | Aminopyrazole-substituted metallophthalocyanines: Preparation, aggregation behavior, and investigation of metabolic enzymes inhibition properties. <i>Archiv Der Pharmazie</i> , <b>2019</b> , 352, e1800292   | 4.3 | 24 |
| 163 | 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. <i>Archiv Der Pharmazie</i> , <b>2019</b> , 352, e1800317           | 4.3 | 39 |
| 162 | The first synthesis, carbonic anhydrase inhibition and anticholinergic activities of some bromophenol derivatives with S including natural products. <i>Bioorganic Chemistry</i> , <b>2019</b> , 85, 128-139   | 5.1 | 89 |
| 161 | Synthesis and biological evaluation of novel tris-chalcones as potent carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase and $\beta$ -glycosidase inhibitors. <i>Bioorganic Chemistry</i> , <b>2019</b> , 85, 191-197   | 5.1 | 98 |
| 160 | Synthesis and bioactivities of pyrazoline benzensulfonamides as carbonic anhydrase and acetylcholinesterase inhibitors with low cytotoxicity. <i>Bioorganic Chemistry</i> , <b>2019</b> , 84, 511-517  | 5.1 | 73 |
| 159 | Synthesis, characterization, crystal structure of novel bis-thiomethylcyclohexanone derivatives and their inhibitory properties against some metabolic enzymes. <i>Bioorganic Chemistry</i> , <b>2019</b> , 82, 393-404  | 5.1 | 85 |
| 158 | The effects of hesperidin on sodium arsenite-induced different organ toxicity in rats on metabolic enzymes as antidiabetic and anticholinergics potentials: A biochemical approach. <i>Journal of Food Biochemistry</i> , <b>2019</b> , 43, e12720   | 3.3 | 87 |
| 157 | Phytochemical content, antioxidant activity, and enzyme inhibition effect of <i>Salvia eriophora</i> Boiss. & Kotschy against acetylcholinesterase, $\alpha$ -amylase, butyrylcholinesterase, and $\beta$ -glycosidase enzymes. <i>Journal of Food Biochemistry</i> , <b>2019</b> , 43, e12776 | 3.3 | 84 |
| 156 | Novel morpholine liganded Pd-based N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure, antidiabetic and anticholinergic properties. <i>Polyhedron</i> , <b>2019</b> , 159, 345-354   | 2.7 | 58 |
| 155 | The effects of some cephalosporins on acetylcholinesterase and glutathione S-transferase: an in vivo and in vitro study. <i>Archives of Physiology and Biochemistry</i> , <b>2019</b> , 125, 235-243   | 2.2 | 29 |
| 154 | The effects of some antibiotics from cephalosporin groups on the acetylcholinesterase and butyrylcholinesterase enzymes activities in different tissues of rats. <i>Archives of Physiology and Biochemistry</i> , <b>2019</b> , 125, 12-18   | 2.2 | 45 |
| 153 | Synthesis and characterization of novel substituted thiophene derivatives and discovery of their carbonic anhydrase and acetylcholinesterase inhibition effects. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2019</b> , 33, e22261   | 3.4 | 15 |

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| 152 | Antioxidant and anticholinergic properties of olivetol. <i>Journal of Food Biochemistry</i> , <b>2018</b> , 42, e12516  | 3-3 | 156 |
| 151 | Synthesis and discovery of potent carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase, and $\beta$ -glycosidase enzymes inhibitors: The novel N,N-bis-cyanomethylamine and alkoxyethylamine derivatives. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2018</b> , 32, e22042                                | 3-4 | 64  |
| 150 | The in vivo effects of cefazolin, cefuroxime, and cefoperazon on the carbonic anhydrase in different rat tissues. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2018</b> , 32, e22041   | 3-4 | 26  |
| 149 | The effects of wireless electromagnetic fields on the activities of carbonic anhydrase and acetylcholinesterase enzymes in various tissues of rats. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2018</b> , 32, e22031   | 3-4 | 12  |
| 148 | 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. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2018</b> , 32, e22034 |     | 15  |
| 147 | Synthesis and investigation of the conversion reactions of pyrimidine-thiones with nucleophilic reagent and evaluation of their acetylcholinesterase, carbonic anhydrase inhibition, and antioxidant activities. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2018</b> , 32, e22019                                    | 3-4 | 47  |
| 146 | Synthesis and biological evaluation of phloroglucinol derivatives possessing $\beta$ -glycosidase, acetylcholinesterase, butyrylcholinesterase, carbonic anhydrase inhibitory activity. <i>Archiv Der Pharmazie</i> , <b>2018</b> , 351, 1700314  | 4-3 | 69  |
| 145 | Inhibitory effects of some drugs on carbonic anhydrase enzyme purified from Kangal Akkaraman sheep in Sivas, Turkey. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2018</b> , 32, e22000  | 3-4 | 15  |
| 144 | Antidiabetic and antiparasitic potentials: Inhibition effects of some natural antioxidant compounds on $\beta$ -glycosidase, $\alpha$ -amylase and human glutathione S-transferase enzymes. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 119, 741-746  | 7-9 | 132 |
| 143 | Diarylmethanon, bromophenol and diarylmethane compounds: Discovery of potent aldose reductase, $\alpha$ -amylase and $\beta$ -glycosidase inhibitors as new therapeutic approach in diabetes and functional hyperglycemia. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 119, 857-863                     | 7-9 | 133 |
| 142 | Novel thymol bearing oxypropanolamine derivatives as potent some metabolic enzyme inhibitors - Their antidiabetic, anticholinergic and antibacterial potentials. <i>Bioorganic Chemistry</i> , <b>2018</b> , 81, 119-126  | 5-1 | 95  |
| 141 | Synthesis, crystal structure and biological evaluation of spectroscopic characterization of Ni(II) and Co(II) complexes with N-salicyloyl-N-smaleoil-hydrazine as anticholinergic and antidiabetic agents. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2018</b> , 32, e22197  | 3-4 | 39  |
| 140 | Synthesis of novel sulfamides incorporating phenethylamines and determination of their inhibition profiles against some metabolic enzymes. <i>Archiv Der Pharmazie</i> , <b>2018</b> , 351, e1800150  | 4-3 | 19  |
| 139 | Characterization and inhibition effects of some metal ions on carbonic anhydrase enzyme from Kangal Akkaraman sheep. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2018</b> , 32, e22172  | 3-4 | 9   |
| 138 | Novel amides of 1,1-bis-(carboxymethylthio)-1-arylethanes: Synthesis, characterization, acetylcholinesterase, butyrylcholinesterase, and carbonic anhydrase inhibitory properties. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2018</b> , 32, e22191  | 3-4 | 35  |
| 137 | Novel Benzylic Substituted Imidazolium, Tetrahydropyrimidinium and Tetrahydrodiazepinium Salts: Potent Carbonic Anhydrase and Acetylcholinesterase Inhibitors. <i>ChemistrySelect</i> , <b>2018</b> , 3, 7976-7982  | 1-8 | 61  |
| 136 | Schiff bases and their amines: Synthesis and discovery of carbonic anhydrase and acetylcholinesterase enzymes inhibitors. <i>Archiv Der Pharmazie</i> , <b>2018</b> , 351, e1800146   | 4-3 | 30  |
| 135 | The toxicological impact of some avermectins on human erythrocytes glutathione S-transferase enzyme. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2018</b> , 32, e22205  | 3-4 | 23  |

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| 134 | Synthesis, characterization, crystal structure, electrochemical studies and biological evaluation of metal complexes with thiosemicarbazone of glyoxylic acid. <i>Polyhedron</i> , <b>2018</b> , 155, 25-33  | 2.7 | 85 |
| 133 | Sulfonamide inhibitors: a patent review 2013-present. <i>Expert Opinion on Therapeutic Patents</i> , <b>2018</b> , 28, 541-549   | 6.8 | 76 |
| 132 | 2-Hydroxyethyl substituted NHC precursors: Synthesis, characterization, crystal structure and carbonic anhydrase, $\alpha$ -glycosidase, butyrylcholinesterase, and acetylcholinesterase inhibitory properties. <i>Journal of Molecular Structure</i> , <b>2018</b> , 1155, 797-806  | 3.4 | 97 |
| 131 | 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. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2018</b> , 32, e22005 | 3.4 | 52 |
| 130 | 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. <i>Chemical Biology and Drug Design</i> , <b>2018</b> , 91, 854-866   | 2.9 | 87 |
| 129 | The toxicological effects of some avermectins on goat liver carbonic anhydrase enzyme. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2018</b> , 32, e22010   | 3.4 | 37 |
| 128 | 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. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2018</b> , 32, e22005                     | 3.4 | 56 |
| 127 | Synthesis of chalcone-imide derivatives and investigation of their anticancer and antimicrobial activities, carbonic anhydrase and acetylcholinesterase enzymes inhibition profiles. <i>Archives of Physiology and Biochemistry</i> , <b>2018</b> , 124, 61-68   | 2.2 | 88 |
| 126 | Purification and selected biochemical properties of peroxidase from cress ( <i>Lepidium sativum</i> sub sp. <i>sativum</i> ). <i>International Journal of Food Properties</i> , <b>2018</b> , 21, 2610-2621  | 3   | 6  |
| 125 | Antidiabetic potential: In vitro inhibition effects of bromophenol and diarylmethanones derivatives on metabolic enzymes. <i>Archiv Der Pharmazie</i> , <b>2018</b> , 351, e1800263  | 4.3 | 76 |
| 124 | Synthesis, characterization, antioxidant, antidiabetic, anticholinergic, and antiepileptic properties of novel N-substituted tetrahydropyrimidines based on phenylthiourea. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2018</b> , 32, e22221  | 3.4 | 23 |
| 123 | Some pyrazoles derivatives: Potent carbonic anhydrase, $\alpha$ -glycosidase, and cholinesterase enzymes inhibitors. <i>Archiv Der Pharmazie</i> , <b>2018</b> , 351, e1800200   | 4.3 | 43 |
| 122 | Novel sulfamate derivatives of menthol: Synthesis, characterization, and cholinesterases and carbonic anhydrase enzymes inhibition properties. <i>Archiv Der Pharmazie</i> , <b>2018</b> , 351, e1800209   | 4.3 | 28 |
| 121 | New azafluorenones with cytotoxic and carbonic anhydrase inhibitory properties: 2-Aryl-4-(4-hydroxyphenyl)-5H-indeno[1,2-b]pyridin-5-ones. <i>Bioorganic Chemistry</i> , <b>2018</b> , 81, 433-439   | 5.1 | 51 |
| 120 | meta-Cyanobenzyl substituted benzimidazolium salts: Synthesis, characterization, crystal structure and carbonic anhydrase, $\alpha$ -glycosidase, butyrylcholinesterase, and acetylcholinesterase inhibitory properties. <i>Archiv Der Pharmazie</i> , <b>2018</b> , 351, e1800029   | 4.3 | 48 |
| 119 | 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. <i>Journal of Molecular Structure</i> , <b>2018</b> , 1170, 160-169                               | 3.4 | 62 |
| 118 | Intermolecular amination of allylic and benzylic alcohols leads to effective inhibitions of acetylcholinesterase enzyme and carbonic anhydrase I and II isoenzymes. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2018</b> , 32, e22173  | 3.4 | 25 |
| 117 | Antioxidant activity and polyphenol content of Turkish thyme ( <i>Thymus vulgaris</i> ) monitored by liquid chromatography and tandem mass spectrometry. <i>International Journal of Food Properties</i> , <b>2017</b> , 20, 514-525   | 3   | 89 |

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| 116 | Oxidative stress and mRNA expression of acetylcholinesterase in the leukocytes of ischemic patients. <i>Biomedicine and Pharmacotherapy</i> , <b>2017</b> , 87, 561-567   | 7.5 | 61  |
| 115 | Synthesis of new cyclic thioureas and evaluation of their metal-chelating activity, acetylcholinesterase, butyrylcholinesterase, and carbonic anhydrase inhibition profiles. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2017</b> , 31, N/A   | 3.4 | 51  |
| 114 | Synthesis and bioactivity of several new hetaryl sulfonamides. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2017</b> , 32, 137-145  | 5.6 | 59  |
| 113 | The first synthesis of 4-phenylbutenone derivative bromophenols including natural products and their inhibition profiles for carbonic anhydrase, acetylcholinesterase and butyrylcholinesterase enzymes. <i>Bioorganic Chemistry</i> , <b>2017</b> , 72, 359-366  | 5.1 | 109 |
| 112 | Novel NHC Precursors: Synthesis, Characterization, and Carbonic Anhydrase and Acetylcholinesterase Inhibitory Properties. <i>Archiv Der Pharmazie</i> , <b>2017</b> , 350, e201700045   | 4.3 | 68  |
| 111 | Inhibition properties of some flavonoids on carbonic anhydrase I and II isoenzymes purified from human erythrocytes. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2017</b> , 31, e21930  | 3.4 | 21  |
| 110 | Evaluation of acetylcholinesterase and carbonic anhydrase inhibition profiles of 1,2,3,4,6-pentasubstituted-4-hydroxy-cyclohexanes. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2017</b> , 31, e21938   | 3.4 | 40  |
| 109 | Discovery of potent carbonic anhydrase, acetylcholinesterase, and butyrylcholinesterase enzymes inhibitors: The new amides and thiazolidine-4-ones synthesized on an acetophenone base. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2017</b> , 31, e21931                                 | 3.4 | 34  |
| 108 | Phenolic compounds inhibit the aldose reductase enzyme from the sheep kidney. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2017</b> , 31, e21936   | 3.4 | 62  |
| 107 | Synthesis of 3-chloro-1-substituted aryl pyrrolidine-2,5-dione derivatives: discovery of potent human carbonic anhydrase inhibitors. <i>Medicinal Chemistry Research</i> , <b>2017</b> , 26, 1619-1627  | 2.2 | 19  |
| 106 | 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-methanoisindole-1,3(2H)-dione derivatives. <i>Bioorganic Chemistry</i> , <b>2017</b> , 70, 118-125            | 5.1 | 67  |
| 105 | Synthesis and investigation of antibacterial activities and carbonic anhydrase and acetylcholinesterase inhibition profiles of novel 4,5-dihydropyrazol and pyrazolyl-thiazole derivatives containing methanoisindol-1,3-dion unit. <i>Synthetic Communications</i> , <b>2017</b> , 47, 2313-2323         | 1.7 | 33  |
| 104 | Chrysin Protects Rat Kidney from Paracetamol-Induced Oxidative Stress, Inflammation, Apoptosis, and Autophagy: A Multi-Biomarker Approach. <i>Scientia Pharmaceutica</i> , <b>2017</b> , 85,  | 4.3 | 60  |
| 103 | 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. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2017</b> , 31, e21972                              | 3.4 | 35  |
| 102 | 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. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2017</b> , 31, e21971 | 3.4 | 36  |
| 101 | The synthesis of novel sulfamides derived from benzylphenethylamines as acetylcholinesterase, butyrylcholinesterase and carbonic anhydrase enzymes inhibitors. <i>Bioorganic Chemistry</i> , <b>2017</b> , 74, 238-250 <sup>51</sup>  | 5.1 | 55  |
| 100 | Synthesis and biological evaluation of aminomethyl and alkoxymethyl derivatives as carbonic anhydrase, acetylcholinesterase and butyrylcholinesterase inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2017</b> , 32, 1174-1182   | 5.6 | 67  |
| 99  | The impact of some natural phenolic compounds on carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase, and glycosidase enzymes: An antidiabetic, anticholinergic, and antiepileptic study. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2017</b> , 31, e21995                   | 3.4 | 96  |

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| 98 | Antidiabetic potential: in vitro inhibition effects of some natural phenolic compounds on α-glycosidase and α-amylase enzymes. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2017</b> , 31, e21956   | 3.4 | 74  |
| 97 | Novel antioxidant bromophenols with acetylcholinesterase, butyrylcholinesterase and carbonic anhydrase inhibitory actions. <i>Bioorganic Chemistry</i> , <b>2017</b> , 74, 104-114   | 5.1 | 103 |
| 96 | Synephrine and phenylephrine act as α-amylase, α-glycosidase, acetylcholinesterase, butyrylcholinesterase, and carbonic anhydrase enzymes inhibitors. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2017</b> , 31, e21973  | 3.4 | 88  |
| 95 | Synthesis and Carbonic Anhydrase Inhibition of Tetrabromo Chalcone Derivatives. <i>Archiv Der Pharmazie</i> , <b>2017</b> , 350, 1700198   | 4.3 | 35  |
| 94 | Synthesis, carbonic anhydrase I and II inhibition studies of the 1,3,5-trisubstituted-pyrazolines. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2017</b> , 32, 189-192   | 5.6 | 77  |
| 93 | Novel eugenol derivatives: Potent acetylcholinesterase and carbonic anhydrase inhibitors. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 94, 845-851  | 7.9 | 78  |
| 92 | Synthesis, carbonic anhydrase I and II isoenzymes inhibition properties, and antibacterial activities of novel tetralone-based 1,4-benzothiazepine derivatives. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2017</b> , 31, N/A   | 3.4 | 33  |
| 91 | Carbonic anhydrase inhibitory properties of phenolic sulfonamides derived from dopamine related compounds. <i>Arabian Journal of Chemistry</i> , <b>2017</b> , 10, 398-402   | 5.9 | 47  |
| 90 | Assessment of Antimicrobial and Antioxidant Activities of <i>Nepeta trachonitica</i> : Analysis of Its Phenolic Compounds Using HPLC-MS/MS. <i>Scientia Pharmaceutica</i> , <b>2017</b> , 85,  | 4.3 | 46  |
| 89 | Secondary Sulfonamides as Effective Lactoperoxidase Inhibitors. <i>Molecules</i> , <b>2017</b> , 22,   | 4.8 | 24  |
| 88 | The Protective Effects of p-Coumaric Acid on Acute Liver and Kidney Damages Induced by Cisplatin. <i>Biomedicines</i> , <b>2017</b> , 5,   | 4.8 | 57  |
| 87 | Inhibition Effects of Some Lignans on Carbonic Anhydrase, Acetylcholinesterase and Butyrylcholinesterase Enzymes Leyla Polat KBe and İhami Gülh. <i>Records of Natural Products</i> , <b>2017</b> , 558-561  | 1.9 | 37  |
| 86 | 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. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 1095-101 | 5.6 | 101 |
| 85 | The effects of some bromophenols on human carbonic anhydrase isoenzymes. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 603-7   | 5.6 | 69  |
| 84 | The effects of some avermectins on bovine carbonic anhydrase enzyme. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 773-8   | 5.6 | 41  |
| 83 | Acetylcholinesterase and carbonic anhydrase isoenzymes I and II inhibition profiles of taxifolin. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 441-7  | 5.6 | 76  |
| 82 | Spirobisnaphthalenes effectively inhibit carbonic anhydrase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 503-7   | 5.6 | 24  |
| 81 | A comparative study on the antioxidant effects of hesperidin and ellagic acid against skeletal muscle ischemia/reperfusion injury. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 114-118   | 5.6 | 29  |

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| 80 | Synthesis and Carbonic Anhydrase Inhibition of Novel 2-(4-(Aryl)thiazole-2-yl)-3a,4,7,7a-tetrahydro-1H-4,7-methanoisindole-1,3(2H)-dione Derivatives. <i>Archiv Der Pharmazie</i> , <b>2016</b> , 349, 955-963   | 4.3 | 36  |
| 79 | Antioxidant Activity, Acetylcholinesterase, and Carbonic Anhydrase Inhibitory Properties of Novel Ureas Derived from Phenethylamines. <i>Archiv Der Pharmazie</i> , <b>2016</b> , 349, 944-954   | 4.3 | 108 |
| 78 | Quercetin protects rat skeletal muscle from ischemia reperfusion injury. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 162-166   | 5.6 | 32  |
| 77 | Synthesis of 4,5-disubstituted-2-thioxo-1,2,3,4-tetrahydropyrimidines and investigation of their acetylcholinesterase, butyrylcholinesterase, carbonic anhydrase I/II inhibitory and antioxidant activities. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 1-9 | 5.6 | 92  |
| 76 | Synthesis of diaryl ethers with acetylcholinesterase, butyrylcholinesterase and carbonic anhydrase inhibitory actions. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 79-85   | 5.6 | 101 |
| 75 | Synthesis of Some Novel Norbornene-Fused Pyridazines as Potent Inhibitors of Carbonic Anhydrase and Acetylcholinesterase. <i>Journal of Heterocyclic Chemistry</i> , <b>2016</b> , 53, 2049-2056   | 1.9 | 34  |
| 74 | Synthesis of 4-[2-(3,4-dimethoxybenzyl)cyclopentyl]-1,2-dimethoxybenzene Derivatives and Evaluations of Their Carbonic Anhydrase Isoenzymes Inhibitory Effects. <i>Chemical Biology and Drug Design</i> , <b>2016</b> , 87, 594-607  | 2.9 | 41  |
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| 72 | Synthesis of 4-(2-substituted hydrazinyl)benzenesulfonamides and their carbonic anhydrase inhibitory effects. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 568-73   | 5.6 | 55  |
| 71 | Purification and characterization of dihydropyrimidine dehydrogenase enzyme from sheep liver and determination of the effects of some anaesthetic and antidepressant drugs on the enzyme activity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 1335-41       | 5.6 | 16  |
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| 67 | Inhibitory effects of some phenolic compounds on the activities of carbonic anhydrase: from in vivo to ex vivo. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 1234-40  | 5.6 | 26  |
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| 65 | 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. <i>Archiv Der Pharmazie</i> , <b>2016</b> , 349, 466-74  | 4.3 | 28  |
| 64 | A class of sulfonamides as carbonic anhydrase I and II inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 180-188   | 5.6 | 32  |
| 63 | Synthesis of some tetrahydropyrimidine-5-carboxylates, determination of their metal chelating effects and inhibition profiles against acetylcholinesterase, butyrylcholinesterase and carbonic anhydrase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 1531-9 | 5.6 | 78  |

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| 60 | The synthesis of some $\beta$ -lactams and investigation of their metal-chelating activity, carbonic anhydrase and acetylcholinesterase inhibition profiles. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 79-88                                | 5.6 | 80  |
| 59 | Purification and characterization of the carbonic anhydrase enzyme from Black Sea trout ( <i>Salmo trutta Labrax Coruhensis</i> ) kidney and inhibition effects of some metal ions on enzyme activity. <i>Environmental Toxicology and Pharmacology</i> , <b>2016</b> , 44, 134-9 | 5.8 | 96  |
| 58 | Purification and Characterization of Polyphenol Oxidase from Hemih Apple ( <i>Malus communis</i> L.). <i>International Journal of Food Properties</i> , <b>2015</b> , 18, 2735-2745   | 3   | 55  |
| 57 | LCMS/MS analysis, antioxidant and anticholinergic properties of galanga ( <i>Alpinia officinarum</i> Hance) rhizomes. <i>Industrial Crops and Products</i> , <b>2015</b> , 74, 712-721  | 5.9 | 176 |
| 56 | Antioxidant and acetylcholinesterase inhibition properties of novel bromophenol derivatives. <i>Bioorganic Chemistry</i> , <b>2015</b> , 60, 49-57  | 5.1 | 156 |
| 55 | Discovery of potent carbonic anhydrase and acetylcholine esterase inhibitors: novel sulfamoylcarbamates and sulfamides derived from acetophenones. <i>Bioorganic and Medicinal Chemistry</i> , <b>2015</b> , 23, 3592-602   | 3.4 | 119 |
| 54 | N-Acylsulfonamides strongly inhibit human carbonic anhydrase isoenzymes I and II. <i>Bioorganic and Medicinal Chemistry</i> , <b>2015</b> , 23, 2598-605  | 3.4 | 128 |
| 53 | Acetylcholinesterase inhibitory and antioxidant activities of novel symmetric sulfamides derived from phenethylamines. <i>Archiv Der Pharmazie</i> , <b>2015</b> , 348, 446-55  | 4.3 | 54  |
| 52 | Carbonic anhydrase and acetylcholinesterase inhibitory effects of carbamates and sulfamoylcarbamates. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2015</b> , 30, 316-20  | 5.6 | 105 |
| 51 | Synthesis and carbonic anhydrase isoenzymes I, II, IX, and XII inhibitory effects of dimethoxybromophenol derivatives incorporating cyclopropane moieties. <i>Journal of Medicinal Chemistry</i> , <b>2015</b> , 58, 640-50   | 8.3 | 164 |
| 50 | Inhibition profile of a series of phenolic acids on bovine lactoperoxidase enzyme. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2015</b> , 30, 479-83   | 5.6 | 33  |
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| 45 | Rosmarinic acid: a potent carbonic anhydrase isoenzymes inhibitor. <i>Turkish Journal of Chemistry</i> , <b>2014</b> , 38, 894-902  | 1   | 115 |

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| 44 | Synthesis and carbonic anhydrase inhibitory effects of novel sulfamides derived from 1-aminoindanes and anilines. <i>Archiv Der Pharmazie</i> , <b>2014</b> , 347, 950-7                                      | 4-3 | 75  |
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| 42 | Synthesis and carbonic anhydrase isoenzymes I and II inhibitory effects of novel benzylamine derivatives. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2014</b> , 29, 168-74              | 5.6 | 49  |
| 41 | Antioxidant activity and polyphenol content of cherry stem ( <i>Cerasus avium</i> L.) determined by LCMS/MS. <i>Food Research International</i> , <b>2013</b> , 51, 66-74                                     | 7   | 151 |
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| 38 | Synthesis, antioxidant, and antiacetylcholinesterase activities of sulfonamide derivatives of dopamine-related compounds. <i>Archiv Der Pharmazie</i> , <b>2013</b> , 346, 783-92                             | 4-3 | 122 |
| 37 | Caffeic acid phenethyl ester (CAPE): a potent carbonic anhydrase isoenzymes inhibitor. <i>International Journal of Academic Research</i> , <b>2013</b> , 5, 150-155   |     | 13  |
| 36 | (3,4-Dihydroxyphenyl)(2,3,4-trihydroxyphenyl)methanone and its derivatives as carbonic anhydrase isoenzymes inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2013</b> , 28, 402-6 | 5.6 | 95  |
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| 34 | Antioxidant activity of food constituents: an overview. <i>Archives of Toxicology</i> , <b>2012</b> , 86, 345-91  | 5.8 | 929 |
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| 28 | In vitro inhibition of carbonic anhydrase isozymes by some phenolic compounds. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 4259-62  | 2.9 | 158 |
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| 25 | Antioxidant properties of resveratrol: A structure-activity insight. <i>Innovative Food Science and Emerging Technologies</i> , <b>2010</b> , 11, 210-218   | 6.8 | 491  |
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| 22 | Carbonic anhydrase inhibitors. Inhibition of mammalian isoforms I-XIV with a series of natural product polyphenols and phenolic acids. <i>Bioorganic and Medicinal Chemistry</i> , <b>2010</b> , 18, 2159-2164          | 3.4 | 190  |
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| 13 | Antioxidant activity of lignans from fringe tree ( <i>Chionanthus virginicus</i> L.). <i>European Food Research and Technology</i> , <b>2006</b> , 223, 759-767   | 3.4 | 114  |
| 12 | Antioxidant activity of caffeic acid (3,4-dihydroxycinnamic acid). <i>Toxicology</i> , <b>2006</b> , 217, 213-20  | 4.4 | 725  |
| 11 | Antioxidant activity of two wild edible mushrooms ( <i>Morchella vulgaris</i> and <i>Morchella esculanta</i> ) from North Turkey. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2006</b> , 9, 443-8 | 1.3 | 70   |
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| 2 | Co and Zn Metal Phthalocyanines with Bulky Substituents: Anticancer, Antibacterial Activities and Their Inhibitory Effects on Some Metabolic Enzymes with Molecular Docking Studies. <i>Polycyclic Aromatic Compounds</i> , 1-13 | 1.3 | 5   |
| 1 | Biological Activity and Molecular Docking Study of Some Bicyclic Structures: Antidiabetic and Anticholinergic Potentials. <i>Polycyclic Aromatic Compounds</i> , 1-14  | 1.3 | 2   |