

# Medine Gulluce

## List of Publications by Year in descending order

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80  
papers

2,397  
citations

279798

23  
h-index

223800

46  
g-index

81  
all docs

81  
docs citations

81  
times ranked

3256  
citing authors

#	ARTICLE	IF	CITATIONS
1	The in vitro antimicrobial and antioxidant activities of the essential oils and methanol extracts of endemic <i>Thymus spathulifolius</i> . <i>Food Control</i> , 2004, 15, 627-634.	5.5	291
2	Synthesis and biological activity of 4-thiazolidinones, thiosemicarbazides derived from diflunisal hydrazide. <i>European Journal of Medicinal Chemistry</i> , 2006, 41, 353-359.	5.5	285
3	In Vitro Antioxidant, Antimicrobial, and Antiviral Activities of the Essential Oil and Various Extracts from Herbal Parts and Callus Cultures of <i>Origanum acutidens</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 3309-3312.	5.2	222
4	Biological activities of the essential oil and methanolic extract of <i>Micromeria fruticosa</i> (L) Druce ssp <i>serpyllifolia</i> (Bieb) PH Davis plants from the eastern Anatolia region of Turkey. <i>Journal of the Science of Food and Agriculture</i> , 2004, 84, 735-741.	3.5	106
5	Synthesis of some novel heterocyclic compounds derived from diflunisal hydrazide as potential anti-infective and anti-inflammatory agents. <i>European Journal of Medicinal Chemistry</i> , 2007, 42, 893-901.	5.5	96
6	Identification and characterization of thermophilic bacteria isolated from hot springs in Turkey. <i>Journal of Microbiological Methods</i> , 2009, 79, 321-328.	1.6	93
7	Chemical Composition and Antimicrobial and Antioxidant Activities of the Essential Oil and Methanol Extract of <i>Hippomarathrum microcarpum</i> (Bieb.) from Turkey. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 937-942.	5.2	75
8	Yield promotion and phosphorus solubilization by plant growth promoting rhizobacteria in extensive wheat production in Turkey. <i>Journal of Plant Nutrition and Soil Science</i> , 2012, 175, 818-826.	1.9	67
9	Characterization of Thermophilic Bacteria Using Surface-Enhanced Raman Scattering. <i>Applied Spectroscopy</i> , 2008, 62, 1226-1232.	2.2	62
10	Antioxidant and Antimicrobial Properties of the Lichens <i>Cladonia foliacea</i> ., <i>Dermatocarpon miniatum</i> ., <i>Everinia divaricata</i> ., <i>Evernia prunastri</i> ., and <i>Neofuscella pulla</i> .. <i>Pharmaceutical Biology</i> , 2006, 44, 247-252.	2.9	56
11	Mutagenic and antimutagenic effects of hexane extract of some <i>Astragalus</i> species grown in the eastern Anatolia region of Turkey. <i>Phytotherapy Research</i> , 2010, 24, 1014-1018.	5.8	54
12	Effects of Plant-Growth-Promoting Rhizobacteria on Yield, Growth, and Some Physiological Characteristics of Wheat and Barley Plants. <i>Communications in Soil Science and Plant Analysis</i> , 2012, 43, 1658-1673.	1.4	44
13	Isolation of some luteolin derivatives from <i>Mentha longifolia</i> (L.) Hudson subsp. <i>longifolia</i> and determination of their genotoxic potencies. <i>Food Chemistry</i> , 2012, 135, 764-769.	8.2	39
14	Investigation of neutron and gamma radiation protective characteristics of synthesized quinoline derivatives. <i>International Journal of Radiation Biology</i> , 2020, 96, 1423-1434.	1.8	39
15	Chemical composition and antibacterial activity of essential oils of two species of Lamiaceae against phytopathogenic bacteria. <i>Polish Journal of Microbiology</i> , 2015, 64, 121-127.	1.7	39
16	Characterization of gamma-ray and neutron radiation absorption properties of synthesized quinoline derivatives and their genotoxic potential. <i>Radiation Physics and Chemistry</i> , 2021, 184, 109471.	2.8	38
17	Isolation of some active compounds from <i>Origanum vulgare</i> L. ssp. <i>vulgare</i> and determination of their genotoxic potentials. <i>Food Chemistry</i> , 2012, 130, 248-253.	8.2	35
18	Nutritional content analysis of plant growth-promoting rhizobacteria species. <i>European Journal of Soil Biology</i> , 2014, 60, 88-97.	3.2	34

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19	EFFECT OF PLANT GROWTH-PROMOTING RHIZOBACTERIA STRAIN ON FREEZING INJURY AND ANTIOXIDANT ENZYME ACTIVITY OF WHEAT AND BARLEY. <i>Journal of Plant Nutrition</i> , 2013, 36, 731-748.	1.9	31
20	Integration of molecular tools in microbial phosphate solubilization research in agriculture perspective. <i>World Journal of Microbiology and Biotechnology</i> , 2020, 36, 93.	3.6	31
21	Essential oil composition of <i>Hyssopus officinalis</i> L. subsp. <i>angustifolius</i> (Bieb.) Arcangeli from Turkey. <i>Flavour and Fragrance Journal</i> , 2005, 20, 42-44.	2.6	28
22	Use of Plant-Growth-Promoting Rhizobacteria (PGPR) Seed Inoculation as Alternative Fertilizer Inputs in Wheat and Barley Production. <i>Communications in Soil Science and Plant Analysis</i> , 2014, 45, 2457-2467.	1.4	26
23	Purification and characterization of an alkaline pectin lyase produced by a newly isolated <i>Brevibacillus borstelensis</i> (P35) and its applications in fruit juice and oil extraction. <i>European Food Research and Technology</i> , 2014, 239, 127-135.	3.3	26
24	Isolation and Characterization of Salt-Tolerant Bacterial Strains in Salt-Affected Soils of Erzurum, Turkey. <i>Geomicrobiology Journal</i> , 2015, 32, 521-529.	2.0	26
25	Antibacterial activity and chemical composition of essential oil obtained from <i>Nepeta nuda</i> against phytopathogenic bacteria. <i>Journal of Essential Oil Research</i> , 2013, 25, 149-153.	2.7	25
26	The synthesis, characterization, antimicrobial and antimutagenic activities of hydroxyphenylimino ligands and their metal complexes of usnic acid isolated from <i>Usnea longissima</i> . <i>Dalton Transactions</i> , 2014, 43, 6148-6164.	3.3	23
27	Isolation of 3 Flavonoids from <i>Mentha longifolia</i> (L.) Hudson subsp. <i>longifolia</i> and Determination of Their Genotoxic Potentials by Using the <i>E. coli</i> WP2 Test System. <i>Journal of Food Science</i> , 2011, 76, T212-7.	3.1	22
28	Rapid Detection of Phosphate-Solubilizing Bacteria from Agricultural Areas in Erzurum. <i>Current Microbiology</i> , 2019, 76, 804-809.	2.2	22
29	Determination of the antigenotoxic potencies of some luteolin derivatives by using a eukaryotic cell system, <i>Saccharomyces cerevisiae</i> . <i>Food Chemistry</i> , 2013, 141, 366-372.	8.2	21
30	Isolation of a flavonoid, apigenin 7-O-glucoside, from <i>Mentha longifolia</i> (L.) Hudson subspecies <i>longifolia</i> and its genotoxic potency. <i>Toxicology and Industrial Health</i> , 2015, 31, 831-840.	1.4	21
31	Protective effects of three luteolin derivatives on aflatoxin B1-induced genotoxicity on human blood cells. <i>Medicinal Chemistry Research</i> , 2016, 25, 2567-2577.	2.4	20
32	Purification and characterization of a pectin lyase produced by <i>Geobacillus stearothermophilus</i> Ah22 and its application in fruit juice production. <i>Annals of Microbiology</i> , 2011, 61, 939-946.	2.6	19
33	RAPD and FAME analyses of <i>Astragalus</i> species growing in eastern Anatolia region of Turkey. <i>Biochemical Systematics and Ecology</i> , 2006, 34, 424-432.	1.3	18
34	Conventional and Molecular Identification of Bacteria with Magnesite Enrichment Potential from Local Quarries in Erzurum. <i>Geomicrobiology Journal</i> , 2014, 31, 445-451.	2.0	18
35	Two antigenotoxic chalcone glycosides from <i>Mentha longifolia</i> subsp. <i>longifolia</i> . <i>Pharmaceutical Biology</i> , 2015, 53, 888-896.	2.9	17
36	Vincristine combination with Ca <sup>2+</sup> channel blocker increase antitumor effects. <i>Molecular Biology Reports</i> , 2019, 46, 2523-2528.	2.3	17

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37	PCR detection of <i>Brucella abortus</i> in cow milk samples collected from Erzurum, Turkey. <i>Turkish Journal of Medical Sciences</i> , 2013, 43, 501-508.	0.9	16
38	Synthesis, characterization and screening of antimicrobial, antituberculosis, antiviral and anticancer activity of novel 1,3-thiazolidine-4-ones derived from 1-[2-(benzoylamino)-4-(methylthio)butyryl]-4-alkyl/arylalkyl thiosemicarbazides. <i>Arkivoc</i> , 2008, 2008, 191-210.	0.5	15
39	Determination of antimutagenic properties of apigenin-7-O-rutinoside, a flavonoid isolated from <i>Mentha longifolia</i> (L.) Huds. ssp. <i>longifolia</i> with yeast DEL assay. <i>Toxicology and Industrial Health</i> , 2013, 29, 534-540.	1.4	14
40	Genotoxic and antigenotoxic potentials of two <i>Usnea</i> species. <i>Toxicology and Industrial Health</i> , 2015, 31, 990-999.	1.4	14
41	The antioxidant and antigenotoxic potential of methanol extract of <i>Cladonia foliacea</i> (Huds.) Willd. <i>Toxicology and Industrial Health</i> , 2016, 32, 721-729.	1.4	14
42	Synthesis and Antifungal Evaluation of 1-Aryl-2-dimethyl-aminomethyl-2-propen-1-one Hydrochlorides. <i>Molecules</i> , 2011, 16, 4660-4671.	3.8	13
43	Protective properties of five newly synthesized cyclic compounds against sodium azide and <i>N</i> -methyl- <i>N</i> -nitro- <i>N</i> -nitrosoguanidine genotoxicity. <i>Toxicology and Industrial Health</i> , 2012, 28, 605-613.	1.4	13
44	Antigenotoxic properties of two newly synthesized $\beta$ -aminoketones against <i>N</i> -methyl- <i>N</i> -nitro- <i>N</i> -nitrosoguanidine and 9-aminoacridine induced mutagenesis. <i>Journal of Biochemical and Molecular Toxicology</i> , 2012, 26, 258-263.	1.4	13
45	Antigenotoxic potencies of a lichen species, <i>Evernia prunastri</i> . <i>Toxicology and Industrial Health</i> , 2015, 31, 153-161.	1.4	13
46	The Use of Essential Oils of <i>Origanum rotundifolium</i> as Antimicrobial Agent Against Plant Pathogenic Bacteria. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2016, 19, 656-663.	1.9	13
47	Synthesis and biological evaluation of (S)-4-aminoquinazoline alcohols. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 2027-2031.	1.8	12
48	Essential oil composition of <i>Tanacetum sorbifolium</i> (Boiss.) Grierson from Turkey. <i>Flavour and Fragrance Journal</i> , 2006, 21, 543-545.	2.6	11
49	Determination of genotoxic and antigenotoxic properties of essential oil from <i>Ferula orientalis</i> L. using Ames/ <i>Salmonella</i> and <i>E. coli</i> WP2 bacterial test systems. <i>Toxicology and Industrial Health</i> , 2014, 30, 714-723.	1.4	11
50	Genotoxic, antigenotoxic and antioxidant properties of methanol extracts obtained from <i>Peltigera horizontalis</i> and <i>Peltigera praetextata</i> . <i>Toxicology and Industrial Health</i> , 2015, 31, 602-613.	1.4	11
51	Protective effects of methanol extracts from <i>Cladonia rangiformis</i> and <i>Umbilicaria vellea</i> against known mutagens sodium azide and 9-aminoacridine. <i>Toxicology and Industrial Health</i> , 2011, 27, 675-682.	1.4	9
52	Biotechnological magnesite enrichment using a carbonate dissolving microorganism, <i>Lactococcus</i> sp.. <i>International Journal of Mineral Processing</i> , 2015, 144, 21-25.	2.6	9
53	Isolation and Characterization of Salt-Tolerant Bacterial Strains in Salt-Affected Soils of East Anatolian Region. <i>Geomicrobiology Journal</i> , 2015, 32, 10-16.	2.0	9
54	First Report of Fungal Strains from Afşin Elbistan Mine for Microbial Lignite Process. <i>Geomicrobiology Journal</i> , 2020, 37, 143-146.	2.0	8

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55	Biochar mediated control of soil-borne phytopathogens. <i>Environmental Sustainability</i> , 2021, 4, 329-334.	2.8	8
56	Genotoxic Potentials of Biosynthesized Zinc Oxide Nanoparticles. <i>Polish Journal of Environmental Studies</i> , 2019, 29, 111-119.	1.2	8
57	Determination of radioprotective and genotoxic properties of sulfamide derivatives. <i>Radiochimica Acta</i> , 2021, 109, 891-904.	1.2	8
58	Genotoxic and antigenotoxic assessment of four newly synthesized dihydropyridine derivatives. <i>Toxicology and Industrial Health</i> , 2014, 30, 275-283.	1.4	7
59	Bioremoval of methylene blue from aqueous solutions by <i>Syringa vulgaris</i> L. hull biomass. <i>Environmental Sustainability</i> , 2020, 3, 303-312.	2.8	7
60	Production of pectin lyase from <i>Geobacillus pallidus</i> p26, purification, characterization and fruit juice application. <i>Acta Chimica Slovaca</i> , 2014, 7, 57-63.	0.8	6
61	Ultrasonic synthesis, characterization of $\beta$ -aminoketones by bismuth(III) triflate and determination of antigenotoxic properties. <i>Toxicology and Industrial Health</i> , 2015, 31, 911-919.	1.4	6
62	Investigation of radiation protective features of azadispiro derivatives and their genotoxic potential with Ames/Salmonella test system. <i>International Journal of Radiation Biology</i> , 2023, 99, 245-258.	1.8	5
63	In Vitro Evaluation of Immunogenicity of Recombinant OMP25 Protein Obtained from Endemic <i>Brucella abortus</i> Biovar 3 as Vaccine Candidate Molecule Against Animal Brucellosis. <i>Protein and Peptide Letters</i> , 2021, 28, 1138-1147.	0.9	4
64	Inhibition of the mutagenic effects of N-methyl-N'-nitro-N-nitrosoguanidine and 9-Aminoacridine by indenopyridines in the <i>Salmonella typhimurium</i> tester strain 1537 and <i>E. coli</i> . <i>Drug and Chemical Toxicology</i> , 2014, 37, 365-369.	2.3	3
65	Genotoxic evaluation of newly synthesized iminothiazolidinones. <i>Toxicology and Industrial Health</i> , 2017, 33, 811-820.	1.4	3
66	Isolation and Molecular Identification of Bacteria with Magnesite Enrichment Potential from Turanocak and Ortaocak Quarries in Kütahya-Turkey. <i>Geomicrobiology Journal</i> , 2019, 36, 826-830.	2.0	3
67	Characterization of Bacterial Flora from Afşin Elbistan Lignite Mine for Potential Microbial Biotech Applications. <i>Geomicrobiology Journal</i> , 2020, 37, 798-803.	2.0	3
68	Determination of antimutagenic properties of Rosmarinic acid, a phenolic compound isolated from <i>Mentha longifolia</i> ssp. <i>longifolia</i> with yeast DEL assay. , 2012, , .		3
69	Mutagenic assessment of three synthetic pyridine-diaryl ketone derivatives. <i>Toxicology and Industrial Health</i> , 2015, 31, 1252-1257.	1.4	2
70	Phenotypic and genotypic diversity among <i>Astragalus</i> species growing in eastern Anatolia region of Turkey. <i>Bangladesh Journal of Botany</i> , 2010, 39, 1-7.	0.4	2
71	Isolation and Characterization of Hydrocarbon and Petroleum Degrading Bacteria from Polluted Soil with Petroleum and Derivatives by MALDI-TOF MS Method. <i>Geomicrobiology Journal</i> , 2022, 39, 757-766.	2.0	2
72	Determination of the carbonate dissolution mechanism of <i>Lactococcus</i> sp.. AIP Conference Proceedings, 2017, , .	0.4	1

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73	Culturable bacteriorhodopsin-producing haloarchaea of Tuz Lake (Turkey). <i>Geomicrobiology Journal</i> , 2019, 36, 831-836.	2.0	1
74	Isolation and identification of <i>Bacillus pumilus</i> YHH-2, a potential pathogen to the alfalfa weevil ( <i>Hypera postica</i> Gyllenhal). <i>Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry</i> , 2020, 44, 461-464.	2.1	1
75	An Alternative Biotechnological Tool for Magnesite Enrichment: Lactic Acid Bacteria Isolated from Soil. <i>Geomicrobiology Journal</i> , 2020, 37, 446-453.	2.0	1
76	Determination of chemical composition and antibacterial properties of essential oil of <i>Mentha longifolia</i> ssp. <i>longifolia</i> against phytopathogenic bacteria. , 2012, , .		1
77	Anti-mutagenic and Anti-oxidant Potencies of and &. <i>Iranian Journal of Pharmaceutical Research</i> , 2018, 17, 326-335.	0.5	1
78	Isolation of Methylene Blue from Aqueous Solution Using a <i>Fraxinus Excelsior</i> L. (Oleaceae) Based Biosorbent: Isotherm, Kinetics, and Thermodynamics. <i>Analytical Letters</i> , 0, , 1-11.	1.8	1
79	The Yield Responses to Crop Bioremediation Practices on Haplustept and Fluvaquent Saline-Sodic Soils. <i>Communications in Soil Science and Plant Analysis</i> , 2020, 51, 2639-2657.	1.4	0
80	Isolation and Molecular Identification of Fungi with Magnesite Enrichment Potential from K��MA�� Quarries in Turkey. <i>Geomicrobiology Journal</i> , 2020, 37, 618-622.	2.0	0