

# Faizan Abul Qais

## List of Publications by Citations

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73  
papers

902  
citations

16  
h-index

27  
g-index

77  
ext. papers

1,252  
ext. citations

4.1  
avg, IF

5.03  
L-index

#	Paper	IF	Citations
73	Antibacterial Effect of Silver Nanoparticles Synthesized Using (L.) against Multidrug-Resistant Pathogens. <i>Bioinorganic Chemistry and Applications</i> , <b>2019</b> , 2019, 4649506	4.2	91
72	Interaction of capsaicin with calf thymus DNA: A multi-spectroscopic and molecular modelling study. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 97, 392-402	7.9	86
71	Multi-spectroscopic and molecular modelling approach to investigate the interaction of riboflavin with human serum albumin. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2018</b> , 36, 795-809	3.6	59
70	Understanding the mechanism of non-enzymatic glycation inhibition by cinnamic acid: an in vitro interaction and molecular modelling study. <i>RSC Advances</i> , <b>2016</b> , 6, 65322-65337	3.7	54
69	In vitro interaction of cefotaxime with calf thymus DNA: Insights from spectroscopic, calorimetric and molecular modelling studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 149, 193-205	3.5	34
68	Unraveling the thermodynamics, binding mechanism and conformational changes of HSA with chromolyn sodium: Multispectroscopy, isothermal titration calorimetry and molecular docking studies. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 105, 92-102	7.9	32
67	Broad-spectrum quorum sensing and biofilm inhibition by green tea against gram-negative pathogenic bacteria: Deciphering the role of phytochemicals through molecular modelling. <i>Microbial Pathogenesis</i> , <b>2019</b> , 126, 379-392	3.8	32
66	Eco-friendly green synthesis of dextrin based poly (methyl methacrylate) grafted silver nanocomposites and their antibacterial and antibiofilm efficacy against multi-drug resistance pathogens. <i>Journal of Cleaner Production</i> , <b>2019</b> , 230, 1148-1155	10.3	29
65	Biofabrication of Zinc Oxide Nanoparticle from <i>Ochradenus baccatus</i> Leaves: Broad-Spectrum Antibiofilm Activity, Protein Binding Studies, and In Vivo Toxicity and Stress Studies. <i>Journal of Nanomaterials</i> , <b>2018</b> , 2018, 1-14	3.2	27
64	Prevalence and Antibiotic Resistance Profiles of <i>Campylobacter jejuni</i> Isolated from Poultry Meat and Related Samples at Retail Shops in Northern India. <i>Foodborne Pathogens and Disease</i> , <b>2018</b> , 15, 218-225	3.8	24
63	Broad-spectrum inhibitory effect of green synthesised silver nanoparticles from <i>Withania somnifera</i> (L.) on microbial growth, biofilm and respiration: a putative mechanistic approach. <i>IET Nanobiotechnology</i> , <b>2018</b> , 12, 325-335	2	23
62	Microwave-Assisted Rapid Green Synthesis of Gold Nanoparticles Using Seed Extract of : ROS Mediated Biofilm Inhibition and Anticancer Activity. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	23
61	Green synthesis of silver nanoparticles using <i>Carum copticum</i> : Assessment of its quorum sensing and biofilm inhibitory potential against gram negative bacterial pathogens. <i>Microbial Pathogenesis</i> , <b>2020</b> , 144, 104172	3.8	22
60	Inhibitory effect of vitamin B against glycation and reactive oxygen species production in HSA: An in vitro approach. <i>Archives of Biochemistry and Biophysics</i> , <b>2017</b> , 627, 21-29	4.1	21
59	Phyto-Mediated Synthesis of Porous Titanium Dioxide Nanoparticles From Root Extract: Broad-Spectrum Attenuation of Biofilm and Cytotoxic Properties Against HepG2 Cell Lines. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 1680	5.7	21
58	Mechanistic inhibition of non-enzymatic glycation and aldose reductase activity by naringenin: Binding, enzyme kinetics and molecular docking analysis. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 159, 87-97	7.9	16
57	Study of pyridoxamine against glycation and reactive oxygen species production in human serum albumin as model protein: An in vitro & ex vivo approach. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 120, 1734-1743	7.9	16

56	Effect of glycation on human serum albumin-zinc interaction: a biophysical study. <i>Journal of Biological Inorganic Chemistry</i> , <b>2018</b> , 23, 447-458	3.7	15
55	Characterization of the binding of triprolidine hydrochloride to hen egg white lysozyme by multi-spectroscopic and molecular docking techniques. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 269, 521-528	6	13
54	Titanium dioxide nanoparticles preferentially bind in subdomains IB, IIA of HSA and minor groove of DNA. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2018</b> , 36, 2530-2542	3.6	13
53	Facile Synthesis of Tin Oxide Hollow Nanoflowers Interfering with Quorum Sensing-Regulated Functions and Bacterial Biofilms. <i>Journal of Nanomaterials</i> , <b>2018</b> , 2018, 1-11	3.2	13
52	Genotoxicity inhibition by (L.) seed fraction and rutin: understanding the underlying mechanism of DNA protection. <i>Toxicology Research</i> , <b>2018</b> , 7, 156-171	2.6	12
51	Mechanism of non-enzymatic antiglycation action by coumarin: a biophysical study. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 12823-12835	3.6	11
50	Design, synthesis and molecular modeling studies of novel mesalamine linked coumarin for treatment of inflammatory bowel disease. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2021</b> , 41, 128029	2.9	11
49	In-vitro binding analysis of bovine serum albumin with sulindac/chlorpromazine: Spectroscopic, calorimetric and computational approaches. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 299, 112124	6	10
48	Cameroonian medicinal plants as potential candidates of SARS-CoV-2 inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-15	3.6	10
47	Biofabrication of Gold Nanoparticles Using Extract and Its Antiquorum Sensing and Antibiofilm Activity against Bacterial Pathogens. <i>ACS Omega</i> , <b>2021</b> , 6, 16670-16682	3.9	10
46	Characterization of interactions between cromolyn sodium and bovine serum albumin by spectroscopic, calorimetric and computational methods. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 38, 722-732	3.6	10
45	Glyburide inhibits non-enzymatic glycation of HSA: An approach for the management of AGEs associated diabetic complications. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 169, 143-152	7.9	10
44	Potential of Nanoparticles in Combating Candida Infections. <i>Letters in Drug Design and Discovery</i> , <b>2019</b> , 16, 478-491	0.8	9
43	Bioactive extracts of and thymol inhibit biofilm development by multidrug-resistant extended spectrum $\beta$ -lactamase producing enteric bacteria. <i>Biofouling</i> , <b>2019</b> , 35, 1026-1039	3.3	9
42	Coumarin Exhibits Broad-Spectrum Antibiofilm and Antiquorum Sensing Activity against Gram-Negative Bacteria: and Investigation. <i>ACS Omega</i> , <b>2021</b> , 6, 18823-18835	3.9	9
41	Combined molecular docking and dynamics simulations studies of natural compounds as potent inhibitors against SARS-CoV-2 main protease. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-10	3.6	9
40	Anti-diabetic study of vitamin B6 on hyperglycaemia induced protein carbonylation, DNA damage and ROS production in alloxan induced diabetic rats. <i>Toxicology Research</i> , <b>2019</b> , 8, 568-579	2.6	8
39	Fabrication of Zinc Oxide-Xanthan Gum Nanocomposite via Green Route: Attenuation of Quorum Sensing Regulated Virulence Functions and Mitigation of Biofilm in Gram-Negative Bacterial Pathogens. <i>Coatings</i> , <b>2020</b> , 10, 1190	2.9	7

38	Biofabricated silver nanoparticles exhibit broad-spectrum antibiofilm and anti-quorum sensing activity against Gram-negative bacteria.. <i>RSC Advances</i> , <b>2021</b> , 11, 13700-13710	3.7	7
37	Binding of cationic Cm-E2O-Cm gemini surfactants with human serum albumin and the role of $\beta$ -cyclodextrin. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 312, 113365	6	6
36	Biosynthesized Zinc Oxide Nanoparticles Disrupt Established Biofilms of Pathogenic Bacteria. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 710	2.6	6
35	Bioactive extracts of <i>L. enhances efficacy of ciprofloxacin against MDR enteric bacteria. Saudi Journal of Biological Sciences</i> , <b>2019</b> , 26, 1848-1855	4	6
34	Bio-fabrication of titanium oxide nanoparticles from <i>Ochradenus arabicus</i> to obliterate biofilms of drug-resistant <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> isolated from diabetic foot infections. <i>Applied Nanoscience (Switzerland)</i> , <b>2021</b> , 11, 375-387	3.3	6
33	Antioxidant properties and anti-mutagenic potential of Piper Cubeba fruit extract and molecular docking of certain bioactive compounds. <i>Drug and Chemical Toxicology</i> , <b>2018</b> , 41, 358-367	2.3	5
32	Plant-Derived Prebiotics and Its Health Benefits <b>2019</b> , 63-88		5
31	Biofilms: An Overview of Their Significance in Plant and Soil Health <b>2017</b> , 1-25		4
30	Analysis and prediction pathways of natural products and their cytotoxicity against HeLa cell line protein using docking, molecular dynamics and ADMET. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-13	3.6	4
29	Computational studies on phylogeny and drug designing using molecular simulations for COVID-19. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-10	3.6	4
28	Understanding Biochemical and Molecular Mechanism of Complications of Glycation and Its Management by Herbal Medicine <b>2019</b> , 331-366		4
27	Naringin inhibits the biofilms of metallo- $\beta$ -lactamases (M $\beta$ Ls) producing species isolated from camel meat. <i>Saudi Journal of Biological Sciences</i> , <b>2021</b> , 28, 333-341	4	4
26	Nanoparticles as Quorum Sensing Inhibitor: Prospects and Limitations <b>2018</b> , 227-244		4
25	<i>Myrtus communis</i> and its bioactive phytoconstituent, linalool, interferes with Quorum sensing regulated virulence functions and biofilm of uropathogenic bacteria: In vitro and in silico insights. <i>Journal of King Saud University - Science</i> , <b>2021</b> , 33, 101588	3.6	4
24	2D-QSAR and molecular docking studies of carbamate derivatives to discover novel potent anti-butryrylcholinesterase agents for Alzheimer's disease treatment. <i>Bulletin of the Korean Chemical Society</i> , <b>2022</b> , 43, 277-292	1.2	4
23	Identification of potent inhibitors of NEK7 protein using a comprehensive computational approach.. <i>Scientific Reports</i> , <b>2022</b> , 12, 6404	4.9	4
22	Carbamylation of human serum albumin generates high-molecular weight aggregates: fine characterization by multi-spectroscopic methods and electron microscopy. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 164, 2380-2388	7.9	3
21	Quorum Sensing Interference by Natural Products from Medicinal Plants: Significance in Combating Bacterial Infection <b>2018</b> , 417-445		3

20	Deciphering the interaction of food additive, vanillin with DNA: A biophysical and computational study. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 38, 4967-4975	3.6	2
19	Enhanced Removal of Crystal Violet Dye and Anti-Biofilm Activity of Ti Doped CeO <sub>2</sub> Nanoparticles Synthesized by Phoenix Dactylifera Mediated Green Method. <i>Journal of Cluster Science</i> , <b>2020</b> , 1	3	2
18	Deciphering the interaction of plumbagin with human serum albumin: A combined biophysical and molecular docking study. <i>Journal of King Saud University - Science</i> , <b>2020</b> , 32, 2854-2862	3.6	2
17	Mechanistic insight into glycation inhibition of human serum albumin by vitamin B9: Multispectroscopic and molecular docking approach. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 181, 426-434	7.9	2
16	Plumbagin inhibits quorum sensing-regulated virulence and biofilms of Gram-negative bacteria: and investigations. <i>Biofouling</i> , <b>2021</b> , 37, 724-739	3.3	2
15	Design of novel benzimidazole derivatives as potential α-amylase inhibitors using QSAR, pharmacokinetics, molecular docking, and molecular dynamics simulation studies.. <i>Journal of Molecular Modeling</i> , <b>2022</b> , 28, 106	2	2
14	QSAR modeling, molecular docking, ADMET prediction and molecular dynamics simulations of some 6-arylquinazolin-4-amine derivatives as DYRK1A inhibitors. <i>Journal of Molecular Structure</i> , <b>2022</b> , 1258, 132659	3.4	2
13	Antibacterial Drug Discovery: Perspective Insights <b>2019</b> , 1-21		1
12	Efflux Pump Inhibitors and Their Role in the Reversal of Drug Resistance <b>2019</b> , 251-275		1
11	Indian Berries and Their Active Compounds <b>2019</b> , 179-201		1
10	Herb and Modern Drug Interactions <b>2019</b> , 503-520		1
9	screening and validation of phytochemicals as multidrug efflux pump inhibitor against .. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2022</b> , 1-13	3.6	0
8	Actinomycetes as Continued Source of New Antibacterial Leads <b>2019</b> , 327-349		0
7	Interference of quorum sensing regulated bacterial virulence factors and biofilms by Plumbago zeylanica extract. <i>Microscopy Research and Technique</i> , <b>2021</b> , 84, 3150-3160	2.8	0
6	In silico investigation of phytoconstituents from Cameroonian medicinal plants towards COVID-19 treatment.. <i>Structural Chemistry</i> , <b>2022</b> , 1-15	1.8	0
5	MRSA, EBSL, and Biofilm Formation in Diabetic Foot Ulcer Infections <b>2021</b> , 149-160		
4	Studies on the synergistic action of methylglyoxal and peroxyxynitrite on structure and function of human serum albumin. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-14	3.6	
3	Emergence and Spread of Multidrug Resistance in Ocular Bacterial Pathogens: A Current Update <b>2019</b> , 71-93		

2 Green Synthesis of Metal Nanoparticles: Characterization and their Antibacterial Efficacy **2019**, 635-680

1 Nanoparticles in Ayurvedic Medicine: Potential and Prospects **2019**, 581-596