

# Azmat Ali Khan

## List of Publications by Year in Descending Order

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**Version:** 2024-04-25

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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.

67

papers

806

citations

17

h-index

24

g-index

76

ext. papers

1,075

ext. citations

4.3

avg, IF

4.48

L-index

#	Paper	IF	Citations
67	Chitosan-coated poly (lactic-co-glycolide) nanoparticles for dual delivery of doxorubicin and naringin against MCF-7 cells. <i>Journal of Drug Delivery Science and Technology</i> , <b>2022</b> , 68, 103036	4.5	0
66	Interaction Characterization of a Tyrosine Kinase Inhibitor Erlotinib with a Model Transport Protein in the Presence of Quercetin: A Drug-Protein and Drug-Drug Interaction Investigation Using Multi-Spectroscopic and Computational Approaches.. <i>Molecules</i> , <b>2022</b> , 27,	4.8	9
65	Molecular Diagnostic of Ochratoxin A With Specific Aptamers in Corn and Groundnut via Fabrication of a Microfluidic Device.. <i>Frontiers in Nutrition</i> , <b>2022</b> , 9, 851787	6.2	1
64	Determination of anticancer potential of a novel pharmacologically active thiosemicarbazone derivative against colorectal cancer cell lines. <i>Saudi Pharmaceutical Journal</i> , <b>2022</b> ,	4.4	1
63	Antifungal Cationic Nanoemulsion Ferrying Miconazole Nitrate with Synergism to Control Fungal Infections: , , and Evaluations.. <i>ACS Omega</i> , <b>2022</b> , 7, 13343-13353	3.9	0
62	Elucidating the role of silicon dioxide and titanium dioxide nanoparticles in mitigating the disease of the eggplant caused by <i>Phomopsis vexans</i> , <i>Ralstonia solanacearum</i> , and root-knot nematode <i>Meloidogyne incognita</i> . <i>Nanotechnology Reviews</i> , <b>2022</b> , 11, 1606-1619	6.3	0
61	Synthesis, molecular modelling and antibacterial activity of 4-aryl-thiosemicarbazides. <i>Polish Journal of Chemical Technology</i> , <b>2022</b> , 24, 39-46	1	
60	Expression Pattern and Prognostic Significance of Chemokines in Breast cancer: An Integrated Bioinformatics Analysis.. <i>Clinical Breast Cancer</i> , <b>2022</b> ,	3	7
59	Role of Therapeutic Plasmapheresis in SARS-CoV-2 Induced Cytokine Release Syndrome: A Retrospective Cohort Study on COVID-19 Patients.. <i>International Journal of General Medicine</i> , <b>2022</b> , 15, 4907-4916	2.3	1
58	One-Pot Synthesis of Benzopyrano-Pyrimidine Derivatives Catalyzed by P-Toluene Sulphonic Acid and Their Nematicidal and Molecular Docking Study. <i>Catalysts</i> , <b>2022</b> , 12, 531	4	
57	Risk of Malignancy in Breast FNAB Categories, Classified According to the Newly Proposed International Academy of Cytology (IAC) Yokohama System.. <i>Cancer Management and Research</i> , <b>2022</b> , 14, 1693-1701	3.6	
56	Association Mechanism and Conformational Changes in Trypsin on Its Interaction with Atrazine: A Multi- Spectroscopic and Biochemical Study with Computational Approach. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 5636	6.3	3
55	Photoremediation of methylene blue by biosynthesized ZnO/Fe <sub>3</sub> O <sub>4</sub> nanocomposites using <i>Callistemon viminalis</i> leaves aqueous extract: A comparative study. <i>Nanotechnology Reviews</i> , <b>2021</b> , 10, 1912-1925	6.3	1
54	Beneficial Effects of Anticoagulants on the Clinical Outcomes of COVID-19 Patients. <i>Antibiotics</i> , <b>2021</b> , 10,	4.9	2
53	Enhanced Efficacy of Thiosemicarbazone Derivative-Encapsulated Fibrin Liposomes against Candidiasis in Murine Model. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	2
52	Potential cytotoxicity of silver nanoparticles: Stimulation of autophagy and mitochondrial dysfunction in cardiac cells. <i>Saudi Journal of Biological Sciences</i> , <b>2021</b> , 28, 2762-2771	4	2
51	Formulation Development, In Vitro and In Vivo Evaluation of Topical Hydrogel Formulation of Econazole Nitrate-Loaded $\beta$ -Cyclodextrin Nanosponges. <i>Journal of Pharmaceutical Sciences</i> , <b>2021</b> , 110, 3702-3714	3.9	8

50	Pomegranate peel induced biogenic synthesis of silver nanoparticles and their multifaceted potential against intracellular pathogen and cancer. <i>Saudi Journal of Biological Sciences</i> , <b>2021</b> , 28, 4191-4200	4	9
49	Interaction and esterase activity of albumin serums with orphenadrine: A spectroscopic and computational approach. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1239, 130522	3.4	7
48	Interaction of an abiraterone with calf thymus DNA: Investigation with spectroscopic technique and modelling studies. <i>Bioorganic Chemistry</i> , <b>2020</b> , 100, 103957	5.1	20
47	Fabrication of microfluidic device for Aflatoxin M1 detection in milk samples with specific aptamers. <i>Scientific Reports</i> , <b>2020</b> , 10, 4627	4.9	21
46	Microfluidic paper device for rapid detection of aflatoxin B1 using an aptamer based colorimetric assay.. <i>RSC Advances</i> , <b>2020</b> , 10, 11843-11850	3.7	33
45	Novel sulindac derivatives: synthesis, characterisation, evaluation of antioxidant, analgesic, anti-inflammatory, ulcerogenic and COX-2 inhibition activity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2020</b> , 35, 921-934	5.6	5
44	Synthesis of Novel Sulfamethaoxazole 4-Thiazolidinone Hybrids and Their Biological Evaluation. <i>Molecules</i> , <b>2020</b> , 25,	4.8	2
43	Biophysical interactions, docking studies and cytotoxic potential of a novel propofol-linolenate: a multi-technique approach. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 38, 2389-2401	3.6	3
42	[Et3NH][HSO4]-mediated efficient synthesis of novel xanthene derivatives and their biological evaluation. <i>Journal of Saudi Chemical Society</i> , <b>2020</b> , 24, 425-433	4.3	7
41	Evaluation of Self-Nanoemulsifying Drug Delivery Systems (SNEDDS) for Poorly Water-Soluble Talinolol: Preparation, and Assessment. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 459	5.6	47
40	A highly porous nanocomposite (Fe3O4@BFR) for the removal of toxic Cd(II) ions from aqueous environment: Adsorption modelling and regeneration study. <i>Composites Part B: Engineering</i> , <b>2019</b> , 172, 179-185	10	30
39	Synthesis and antihepatotoxic activity of dihydropyrimidinone derivatives linked with 1,4-benzodioxane. <i>Drug Design, Development and Therapy</i> , <b>2019</b> , 13, 2393-2404	4.4	2
38	Therapeutic potential of functionalized siRNA nanoparticles on regression of liver cancer in experimental mice. <i>Scientific Reports</i> , <b>2019</b> , 9, 15825	4.9	25
37	Effective and fast adsorptive removal of toxic cationic dye (MB) from aqueous medium using amino-functionalized magnetic multiwall carbon nanotubes. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 282, 154-161	6	71
36	Preparation, characterizations and in vitro cytotoxic activity of nickel oxide nanoparticles on HT-29 and SW620 colon cancer cell lines. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2019</b> , 52, 12-17	4.1	17
35	Additive potential of combination therapy against cryptococcosis employing a novel amphotericin B and fluconazole loaded dual delivery system. <i>European Journal of Pharmaceutical Sciences</i> , <b>2018</b> , 119, 171-178	5.1	7
34	Restrained management of copper level enhances the antineoplastic activity of imatinib in vitro and in vivo. <i>Scientific Reports</i> , <b>2018</b> , 8, 1682	4.9	14
33	Fungal biofilm inhibition by piperazine-sulphonamide linked Schiff bases: Design, synthesis, and biological evaluation. <i>Archiv Der Pharmazie</i> , <b>2018</b> , 351, e1700354	4.3	4

32	Hepatitis B virus precore G1896A mutation in chronic liver disease patients with HBeAg negative serology from North India. <i>Saudi Journal of Biological Sciences</i> , <b>2018</b> , 25, 1257-1262	4	3
31	Design, Synthesis, and Biological Evaluation of Benzimidazole-Derived Biocompatible Copper(II) and Zinc(II) Complexes as Anticancer Chemotherapeutics. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	19
30	Evaluation of Transition Metal Complexes of Benzimidazole-Derived Scaffold as Promising Anticancer Chemotherapeutics. <i>Molecules</i> , <b>2018</b> , 23,	4.8	17
29	Interspecies Anticancer and Antimicrobial Activities of Genus and Estimation of Rutin by Validated UPLC-PDA Method. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2018</b> , 2018, 6040815	2.3	9
28	Inter-kingdom prediction certainty evaluation of protein subcellular localization tools: microbial pathogenesis approach for deciphering host microbe interaction. <i>Briefings in Bioinformatics</i> , <b>2018</b> , 19, 12-22	13.4	7
27	Interspecies estimation of $\beta$ -sitosterol by a validated high-performance thin-layer chromatography method in genus Ficus and cytotoxic activity against HepG2, HEK-293, MCF-7, and MDA-MB-231 cell lines. <i>Journal of Planar Chromatography - Modern TLC</i> , <b>2018</b> , 31, 213-219	0.9	2
26	Effect of cations and anions of ionic liquids on the stability and activity of lysozyme: Concentration and temperature effect. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 272, 253-263	6	24
25	New constituents triterpene ester and sugar derivatives from Meyer and their evaluation of antioxidant activities. <i>Saudi Pharmaceutical Journal</i> , <b>2017</b> , 25, 801-812	4.4	6
24	In vitro evaluation of cytotoxicity, possible alteration of apoptotic regulatory proteins, and antibacterial activity of synthesized copper oxide nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 153, 320-326	6	30
23	Pro-apoptotic activity of nano-escheriosome based oleic acid conjugate against 7,12-dimethylbenz(a)anthracene (DMBA) induced cutaneous carcinogenesis. <i>Biomedicine and Pharmacotherapy</i> , <b>2017</b> , 90, 295-302	7.5	11
22	Comparative anticancer and antimicrobial activity of aerial parts of , , and grown in Saudi Arabia. <i>Saudi Pharmaceutical Journal</i> , <b>2017</b> , 25, 1248-1252	4.4	7
21	Antifungal efficacy of amphotericin B encapsulated fibrin microsphere for treating <i>Cryptococcus neoformans</i> infection in Swiss albino mice. <i>Brazilian Journal of Infectious Diseases</i> , <b>2016</b> , 20, 342-8	2.8	8
20	A Facile One-Pot Synthesis and Anticancer Evaluation of Novel Substituted 1,2-Dihydropyridine and 1,2,3,4-Tetrahydropyrimidine Analogues. <i>Journal of Heterocyclic Chemistry</i> , <b>2016</b> , 53, 377-382	1.9	5
19	Targeted nano-delivery of novel omega-3 conjugate against hepatocellular carcinoma: Regulating COX-2/bcl-2 expression in an animal model. <i>Biomedicine and Pharmacotherapy</i> , <b>2016</b> , 81, 394-401	7.5	16
18	Targeting HER-2 over expressed breast cancer cells with 2-cyclohexyl-N-[(Z)-(substituted phenyl/furan-2-yl/thiophene-2-yl)methylidene]hydrazinecarbothioamide. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2015</b> , 25, 83-7	2.9	12
17	Lead Optimization of 2-Cyclohexyl-N-[(Z)-(3-methoxyphenyl/3-hydroxyphenyl)methylidene]hydrazinecarbothioamides for Targeting the HER-2 Overexpressed Breast Cancer Cell Line SKBr-3. <i>Molecules</i> , <b>2015</b> , 20, 18246-63	4.8	6
16	Influence of Zn on magnetocaloric effect in (0.95)La0.7Sr0.3MnO3/Ni1-xZnxFe2O4 ceramic composites. <i>Materials Research Bulletin</i> , <b>2015</b> , 69, 41-45	5.1	17
15	Synthesis and characterization of 2-substituted benzimidazoles and their evaluation as anticancer agent. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 142, 286-91	4.4	29

14	Biophysical Interactions of Novel Oleic Acid Conjugate and its Anticancer Potential in HeLa Cells. <i>Journal of Fluorescence</i> , <b>2015</b> , 25, 519-25	2.4	4
13	Effect of some plantsSextracts used in Sudanese folkloric medicines on carrageenan-induced inflammation. <i>Pakistan Journal of Pharmaceutical Sciences</i> , <b>2015</b> , 28, 159-65	0.4	6
12	Design and structural studies of diimine/CdX <sub>2</sub> (X=Cl, I) complexes based on 2,2-dimethyl-1,3-diaminopropane ligand. <i>Journal of Molecular Structure</i> , <b>2014</b> , 1062, 167-173	3.4	29
11	Molecular modeling and analysis of hepatitis E virus (HEV) papain-like cysteine protease. <i>Virus Research</i> , <b>2014</b> , 179, 220-4	6.4	19
10	HPLC method with monolithic column for simultaneous determination of irbesartan and hydrochlorothiazide in tablets. <i>Acta Pharmaceutica</i> , <b>2014</b> , 64, 187-98	3.2	15
9	Synthesis, Physico-Chemical and Antimicrobial Studies of Ionic Liquid. <i>Asian Journal of Chemistry</i> , <b>2014</b> , 26, 887-890	0.4	3
8	Anticancer efficacy of a novel propofol-linoleic acid-loaded escheriosomal formulation against murine hepatocellular carcinoma. <i>Nanomedicine</i> , <b>2013</b> , 8, 1281-94	5.6	15
7	Design, synthesis and in vitro anticancer evaluation of a stearic acid-based ester conjugate. <i>Anticancer Research</i> , <b>2013</b> , 33, 2517-24	2.3	17
6	Vaccine potential of cytosolic proteins loaded fibrin microspheres of <i>Cryptococcus neoformans</i> in BALB/c mice. <i>Journal of Drug Targeting</i> , <b>2012</b> , 20, 453-66	5.4	11
5	Synthesis and characterization of novel n-9 fatty acid conjugates possessing antineoplastic properties. <i>Lipids</i> , <b>2012</b> , 47, 973-86	1.6	18
4	Synthesis and characterization of novel PUFA esters exhibiting potential anticancer activities: an in vitro study. <i>European Journal of Medicinal Chemistry</i> , <b>2011</b> , 46, 4878-86	6.8	21
3	Efficacy of amoxicillin bearing microsphere formulation in treatment of <i>Listeria monocytogenes</i> infection in Swiss albino mice. <i>Journal of Drug Targeting</i> , <b>2010</b> , 18, 45-52	5.4	10
2	Role of fusogenic non-PC liposomes in elicitation of protective immune response against experimental murine salmonellosis. <i>Biochimie</i> , <b>2006</b> , 88, 1391-400	4.6	10
1	Antimicrobial activity of clove oil and its potential in the treatment of vaginal candidiasis. <i>Journal of Drug Targeting</i> , <b>2005</b> , 13, 555-61	5.4	34