Abida Khan

List of Publications by Year in Descending Order

124 papers	1,627 citations	22 h-index	35 g-index
130 ext. papers	2,208 ext. citations	3.7 avg, IF	5.71 L-index

#	Paper	IF	Citations
124	INSIGHTS INTO THE BIOLOGICAL IMPACT OF COVID-19 AND ITS VACCINES ON HUMAN HEALTH.. *Saudi Journal of Biological Sciences*, **2022**,	4	2
123	Rifampicin Increases Expression of Plant Codon-Optimized Bacillus thuringiensis Endotoxin Genes in Escherichia coli.. *Protein Journal*, **2022**, 1	3.9	0
122	A comprehensive review on its patents, chemical constituents, and biological activities.. *Saudi Journal of Biological Sciences*, **2022**, 29, 1456-1464	4	0
121	l-asparaginase: Need for an Expedition from an Enzymatic Molecule to Antimicrobial Drug. *International Journal of Peptide Research and Therapeutics*, **2022**, 28, 9	2.1	1
120	Small molecules as kinetoplastid specific proteasome inhibitors for Leishmaniasis: a patent review from 1998 to 2021.. *Expert Opinion on Therapeutic Patents*, **2022**,	6.8	2
119	Involvement of Cathepsins Protein in Mycobacterial Infection and Its Future Prospect as a Therapeutic Target. *International Journal of Peptide Research and Therapeutics*, **2022**, 28, 1	2.1	0
118	Frequently Used Allopathic and Traditional Medicine for COVID-19 Treatment and Feasibility of Their Integration.. *Chinese Journal of Integrative Medicine*, **2022**, 1	2.9	
117	Target shortage and less explored multiple targeting: hurdles in the development of novel antifungals but overcome/addressed effectively through structural bioinformatics. *Briefings in Bioinformatics*, **2021**, 22,	13.4	1
116	High-performance thin-layer chromatographic standardization and quantification of marker compounds in an Ayurvedic polyherbal formulation: Krishnadi Churna. *Journal of Planar Chromatography - Modern TLC*, **2021**, 34, 493	0.9	0
115	Microbial pathogenesis in inflammatory bowel diseases.. *Microbial Pathogenesis*, **2021**, 163, 105383	3.8	2
114	Proteasome Based Molecular Strategies Against Improper Cellular Proliferation. *Cellular Physiology and Biochemistry*, **2021**, 55, 120-143	3.9	0
113	Proteomics in Host-Protozoan Parasite Interactions and Development of Drug and Vaccine. *Advanced Pharmaceutical Bulletin*, **2021**, 11, 209-211	4.5	1
112	Significant biopolymers and their applications in buccal mediated drug delivery. *Journal of Biomaterials Science, Polymer Edition*, **2021**, 32, 1203-1218	3.5	3
111	Proteome Linked Biochemical Targets: Can Repair Defective Cellular Physiological Mechanisms?. *Cellular Physiology and Biochemistry*, **2021**, 55, 49-70	3.9	
110	Synthetic molecules as DprE1 inhibitors: A patent review. *Expert Opinion on Therapeutic Patents*, **2021**, 31, 759-772	6.8	5
109	Mucosal and transdermal vaccine delivery strategies against COVID-19. *Drug Delivery and Translational Research*, **2021**, 1	6.2	7
108	Application of probiotics in candidiasis management. *Critical Reviews in Food Science and Nutrition*, **2021**, 1-16	11.5	7

107	Antibiotic resistome of Salmonella typhi: molecular determinants for the emergence of drug resistance. *Frontiers of Medicine*, **2021**, 15, 693-703	12	1
106	Mucormycosis medications: a patent review. *Expert Opinion on Therapeutic Patents*, **2021**, 31, 1059-1074	6.8	6
105	COVID-19 gripped the globe with some unnoticed facts and too many questions. *VirusDisease*, **2021**, 1-4	3.4	
104	Innovations and Patent Trends in the Development of USFDA Approved Protein Kinase Inhibitors in the Last Two Decades. *Pharmaceuticals*, **2021**, 14,	5.2	11
103	Targeting type II diabetes with plant terpenes: the new and promising antidiabetic therapeutics. *Biologia (Poland)*, **2021**, 76, 241-254	1.5	6
102	Identification of novel inhibitors of angiotensin-converting enzyme 2 (ACE-2) receptor from Urtica dioica to combat coronavirus disease 2019 (COVID-19). *Molecular Diversity*, **2021**, 25, 1795-1809	3.1	4
101	Promising Antiviral Molecules from Ayurvedic Herbs and Spices against COVID-19. *Chinese Journal of Integrative Medicine*, **2021**, 27, 243-244	2.9	3
100	Trends in the development of remdesivir based inventions against COVID-19 and other disorders: A patent review. *Journal of Infection and Public Health*, **2021**, 14, 1075-1086	7.4	7
99	Overview on the Prevalence of Fungal Infections, Immune Response, and Microbiome Role in COVID-19 Patients. *Journal of Fungi (Basel, Switzerland)*, **2021**, 7,	5.6	13
98	Chitosan derivatives: A suggestive evaluation for novel inhibitor discovery against wild type and variants of SARS-CoV-2 virus. *International Journal of Biological Macromolecules*, **2021**, 187, 492-512	7.9	8
97	Discovery, Development, and Patent Trends on Molnupiravir: A Prospective Oral Treatment for COVID-19. *Molecules*, **2021**, 26,	4.8	34
96	Innovative screening and drug susceptibility analysis on Candida albicans using Foldscope microscopy. *Rendiconti Lincei*, **2021**, 32, 163-180	1.7	1
95	Targeted therapy of irritable bowel syndrome with anti-inflammatory cytokines. *Clinical Journal of Gastroenterology*, **2021**, 15, 1	1.1	1
94	Virtual global biorepository: access for all to speed-up result-oriented research. *Cell and Tissue Banking*, **2020**, 21, 361-365	2.2	2
93	DNA-based microarray studies in visceral leishmaniasis: identification of biomarkers for diagnostic, prognostic and drug target for treatment. *Acta Tropica*, **2020**, 208, 105512	3.2	17
92	Genetically modified live attenuated vaccine: A potential strategy to combat visceral leishmaniasis. *Parasite Immunology*, **2020**, 42, e12732	2.2	10
91	A spotlight on the diagnostic methods of a fatal disease Visceral Leishmaniasis. *Parasite Immunology*, **2020**, 42, e12727	2.2	15
90	The virtuous potential of chitosan oligosaccharide for promising biomedical applications. *Journal of Materials Research*, **2020**, 35, 1123-1134	2.5	13

89	Synthesis of novel N-substitutedphenyl-6-oxo-3-phenylpyridazine derivatives as cyclooxygenase-2 inhibitors. *Drug Development Research*, **2020**, 81, 573-584	5.1	6
88	A mathematical model of adiponectin resistance. *Journal of Theoretical Biology*, **2020**, 494, 110246	2.3	2
87	Survival Strategies of Leishmania Parasite: Too Many Questions and Few Answers. *Current Pharmacology Reports*, **2020**, 6, 25-27	5.5	3
86	An Improved Synthesis of Key Intermediate to the Formation of Selected Indolin-2-Ones Derivatives Incorporating Ultrasound and Deep Eutectic Solvent (DES) Blend of Techniques, for Some Biological Activities and Molecular Docking Studies. *Molecules*, **2020**, 25,	4.8	4
85	Optimization for bio-processing of elephant foot yam (Amorphophallus paeoniifolius) into Lacto-pickle using Taguchi statistical approach. *Journal of Food Measurement and Characterization*, **2020**, 14, 1470-1480	2.8	1
84	Discovery of Novel Pyridazine-Based Cyclooxygenase-2 Inhibitors with a Promising Gastric Safety Profile. *Molecules*, **2020**, 25,	4.8	9
83	Structure-Based Immunogenicity Prediction of Uricase from Fungal (Aspergillus flavus), Bacterial (Bacillus subtillis) and Mammalian Sources Using Immunoinformatic Approach. *Protein Journal*, **2020**, 39, 133-144	3.9	2
82	Molecular docking and ADMET-based mining of terpenoids against targets of type-II diabetes. *Network Modeling Analysis in Health Informatics and Bioinformatics*, **2020**, 9, 1	1.6	2
81	The roles of biomolecules in corrosion induction and inhibition of corrosion: a possible insight. *Corrosion Reviews*, **2020**, 38, 403-421	3.2	4
80	Subtractive Proteome Analysis of Candida albicans Divulges Promising Antifungal Targets. *International Journal of Peptide Research and Therapeutics*, **2020**, 26, 1559-1566	2.1	2
79	Deciphering the function of unknown Leishmania donovani cytosolic proteins using hyperparameter-tuned random forest. *Network Modeling Analysis in Health Informatics and Bioinformatics*, **2020**, 9, 1	1.6	1
78	Identification of potential inhibitors targeted for strengthening search of anti-leishmanial therapeutics. *Biologia (Poland)*, **2020**, 75, 437-445	1.5	2
77	Host phospholipase C-1 impairs phagocytosis and killing of mycobacteria by J774A.1 murine macrophages. *Microbiology and Immunology*, **2020**, 64, 694-702	2.7	1
76	Rhizomes: Promising Antidiabetic and Natural Inhibitor of Amylase and Glucosidase. *Journal of Dietary Supplements*, **2020**, 17, 81-87	2.3	8
75	In Vitro and In Vivo Anti-diabetic Activity of Fractions Obtained from the Unexplored Hedychium coronarium Rhizome. *Proceedings of the National Academy of Sciences India Section B - Biological Sciences*, **2020**, 90, 605-614	1.4	5
74	Multiple Drug Targeting Potential of Novel Ligands Against Virulent Proteins of Candida albicans. *International Journal of Peptide Research and Therapeutics*, **2020**, 26, 921-942	2.1	3
73	Coumarins: antifungal effectiveness and future therapeutic scope. *Molecular Diversity*, **2020**, 24, 1367-1383	3.3	21
72	Identification of -2--8-Matricaria-ester from the Essential Oil of and Evaluation of Its Antileishmanial Potential by in Vitro and in Silico Approaches. *ACS Omega*, **2019**, 4, 14640-14649	3.9	15

71	Japanese encephalitis virus: Associated immune response and recent progress in vaccine development. *Microbial Pathogenesis*, **2019**, 136, 103678	3.8	10
70	Biobased technologies for the efficient extraction of biopolymers from waste biomass. *Bioprocess and Biosystems Engineering*, **2019**, 42, 1893-1901	3.7	31
69	Transmission of leishmaniasis from human to other vertebrates: a rapid zooanthroponotic evolution. *International Microbiology*, **2019**, 22, 399-401	3	2
68	Optimization for enhanced hydrogen production from Rhodobacter sphaeroides using response surface methodology. *SN Applied Sciences*, **2019**, 1, 1	1.8	4
67	Why Study on Helicobacter pylori Type IV Secretion System is Slow?. *SN Comprehensive Clinical Medicine*, **2019**, 1, 339-341	2.7	
66	Sludge: next paradigm for enzyme extraction and energy generation. *Preparative Biochemistry and Biotechnology*, **2019**, 49, 105-116	2.4	3
65	Fabrication of eggshell membrane–based novel buccal mucosa–mimetic surface and mucoadhesion testing of chitosan oligosaccharide films. *Journal of Materials Research*, **2019**, 34, 3777-3786	2.5	5
64	Experimental Optimization of Green Hydrogen Production from Phototrophic Bacteria Rhodobacter sphaeroides. *Recent Innovations in Chemical Engineering*, **2019**, 12, 98-109	0.3	
63	An Improved Synthesis of Key Intermediate to the Formation of Selected Indolin-2-ones Derivatives Incorporating Ultrasound and Deep Eutectic Solvent (DES) Blend of Techniques, for Some Biological Activities and Molecular Docking Studies. *Proceedings (mdpi)*, **2019**, 41, 8	0.3	
62	Anticandidal agent for multiple targets: the next paradigm in the discovery of proficient therapeutics/overcoming drug resistance. *Future Medicinal Chemistry*, **2019**, 11, 2955-2974	4.1	4
61	Inhibitors of CPH1-MAP Kinase Pathway: Ascertaining Potential Ligands as Multi-Target Drug Candidate in Candida albicans. *International Journal of Peptide Research and Therapeutics*, **2019**, 25, 997-1010	2.1	5
60	Evaluation of antileishmanial potential of computationally screened compounds targeting DEAD-box RNA helicase of Leishmania donovani. *International Journal of Biological Macromolecules*, **2019**, 121, 480-487	7.9	19
59	Antidiabetic phytoconstituents and their mode of action on metabolic pathways. *Therapeutic Advances in Endocrinology and Metabolism*, **2018**, 9, 81-100	4.5	66
58	Muscarinic and nicotinic acetylcholine receptor agonists: current scenario in Alzheimer's disease therapy. *Journal of Pharmacy and Pharmacology*, **2018**, 70, 985-993	4.8	60
57	Rough set method accurately predicts unknown protein class/family of Leishmania donovani membrane proteome. *Mathematical Biosciences*, **2018**, 301, 37-49	3.9	3
56	Synthesis, Anticancer Evaluation, and Molecular Docking Studies of Novel (4-Hydroxy-2-Thioxo-3,4-Dihydro-2H-[1,3]Thiazin-6-Yl)-Chromen-2-Ones via a Multicomponent Approach. *Journal of the Chinese Chemical Society*, **2018**, 65, 810-821	1.5	14
55	Targeting oxidative stress through antioxidants in diabetes mellitus. *Journal of Drug Targeting*, **2018**, 26, 766-776	5.4	28
54	Aminoacyl-tRNA synthetases: Structure, function, and drug discovery. *International Journal of Biological Macromolecules*, **2018**, 111, 400-414	7.9	51

53	Slow pace of antileishmanial drug development. *Parasitology Open*, **2018**, 4,	1.5	15
52	Identification of potential inhibitors of Fasciola gigantica thioredoxin1: computational screening, molecular dynamics simulation, and binding free energy studies. *Journal of Biomolecular Structure and Dynamics*, **2018**, 36, 2147-2162	3.6	37
51	Deciphering the role of Sodium Lignosulfonate against Candida spp. as persuasive anticandidal agent. *International Journal of Biological Macromolecules*, **2018**, 107, 1212-1219	7.9	16
50	Phytochemicals As Uropathognic Escherichia Coli FimH Antagonist: In Vitro And In Silico Approach. *Current Molecular Medicine*, **2018**, 18, 640-653	2.5	7
49	Recent developments in synthesis of embelin heterocyclic derivatives and their biological applications. *Chemical Papers*, **2018**, 72, 1065-1080	1.9	5
48	Eugenol derivatives prospectively inhibit l-asparaginase: A heady target protein of Salmonella typhimurium. *Microbial Pathogenesis*, **2018**, 114, 8-16	3.8	4
47	On-Water NiFe2O4 Nanoparticle-Catalyzed One-Pot Synthesis of Biofunctionalized Pyrimidine-Thiazole Derivatives: In Silico Binding Affinity and In Vitro Anticancer Activity Studies. *ChemistrySelect*, **2018**, 3, 11012-11019	1.8	5
46	l-Asparaginase: a feasible therapeutic molecule for multiple diseases. *3 Biotech*, **2018**, 8, 278	2.8	8
45	Noninvasive Diagnostic Methods for Better Screening of Peripheral Arterial Disease. *Annals of Vascular Surgery*, **2018**, 52, 263-272	1.7	6
44	Targeted therapy of chronic liver diseases with the inhibitors of angiogenesis. *Biomedicine and Pharmacotherapy*, **2018**, 105, 256-266	7.5	5
43	Solubility and thermodynamic/solvation behavior of 6-phenyl-4,5-dihydropyridazin-3(2H)-one in different (Transcutol + water) mixtures. *Journal of Molecular Liquids*, **2017**, 230, 511-517	6	37
42	Interleukin-10: A Compelling Therapeutic Target in Patients With Irritable Bowel Syndrome. *Clinical Therapeutics*, **2017**, 39, 632-643	3.5	18
41	Modeling of Simultaneous Application ofVibriosp. (SK1) and Biochar Amendment for Removal of Pentachlorophenol in Soil. *Environmental Engineering Science*, **2017**, 34, 551-561	2	2
40	Chitosan/TiO composite membrane improves proliferation and survival of L929 fibroblast cells: Application in wound dressing and skin regeneration. *International Journal of Biological Macromolecules*, **2017**, 98, 329-340	7.9	106
39	Therapeutic molecules against type 2 diabetes: What we have and what are we expecting?. *Pharmacological Reports*, **2017**, 69, 959-970	3.9	24
38	Solubility and thermodynamics of 6-phenyl-4,5-dihydropyridazin-3 (2H)-one in various neat solvents at different temperatures. *Journal of Molecular Liquids*, **2017**, 238, 455-461	6	4
37	Electronic excitation-induced structural, optical, and magnetic properties of Ni-doped HoFeO3 thin films. *Applied Physics A: Materials Science and Processing*, **2017**, 123, 1	2.6	0
36	Mesenchymal stem cell in venous leg ulcer: An intoxicating therapy. *Journal of Tissue Viability*, **2017**, 26, 216-223	3.2	11

35	Development and characterization of tripolymeric and bipolymeric composite films using glyoxal as a potent crosslinker for biomedical application. *Materials Science and Engineering C*, **2017**, 73, 333-339	8.3	8
34	In vitro screening and in silico validation revealed key microbes for higher production of significant therapeutic enzyme l-asparaginase. *Enzyme and Microbial Technology*, **2017**, 98, 9-17	3.8	24
33	Gut biofilm forming bacteria in inflammatory bowel disease. *Microbial Pathogenesis*, **2017**, 112, 5-14	3.8	25
32	Eucalyptol, sabinene and cinnamaldehyde: potent inhibitors of salmonella target protein L-asparaginase. *3 Biotech*, **2017**, 7, 258	2.8	7
31	Biotechnological production and practical application of L-asparaginase enzyme. *Biotechnology and Genetic Engineering Reviews*, **2017**, 33, 40-61	4.1	28
30	Production and Recovery of Pyruvic Acid: Recent Advances. *Journal of the Institution of Engineers (India): Series E*, **2017**, 98, 165-175	0.6	8
29	Antioxidant potentials of successive solvent extracts from the unexplored rhizome. *Journal of Food Science and Technology*, **2017**, 54, 3297-3306	3.3	4
28	The morpheein model of allosterism: a remedial step for targeting virulent l-asparaginase. *Drug Discovery Today*, **2017**, 22, 814-822	8.8	6
27	Crosstalk between Substrates and Rho-Associated Kinase Inhibitors in Cryopreservation of Tissue-Engineered Constructs. *Stem Cells International*, **2017**, 2017, 1380304	5	3
26	Aqueous Extract Improves Stability and Function of Cryopreserved Human Mesenchymal Stem Cells. *Oxidative Medicine and Cellular Longevity*, **2017**, 2017, 8530656	6.7	3
25	Spices Chemoconstituents as Persuasive Inhibitor of S. typhimurium Virulent Protein L-asparaginase. *Letters in Drug Design and Discovery*, **2017**, 14,	0.8	3
24	Reactive oxygen species: sources, consequences and targeted therapy in type 2 diabetes. *Journal of Drug Targeting*, **2017**, 25, 93-101	5.4	49
23	Current and novel therapeutic molecules and targets in Alzheimer's disease. *Journal of the Formosan Medical Association*, **2016**, 115, 3-10	3.2	87
22	Microbial Decolorization and Degradation of Reactive Red 198 Azo Dye by a Newly Isolated Alkaligenes Species. *Proceedings of the National Academy of Sciences India Section B - Biological Sciences*, **2016**, 86, 805-815	1.4	7
21	Modeling and Optimization of Reactive Extraction of Citric Acid. *Journal of Chemical & Engineering Data*, **2016**, 61, 2614-2623	2.8	40
20	Reactive extraction of pyruvic acid using mixed extractants. *Separation Science and Technology*, **2016**, 51, 1141-1150	2.5	15
19	Docking and ADMET prediction of few GSK-3 inhibitors divulges 6-bromoindirubin-3-oxime as a potential inhibitor. *Journal of Molecular Graphics and Modelling*, **2016**, 65, 100-7	2.8	57
18	Molecular Docking and In Silico ADMET Study Reveals Acylguanidine 7a as a Potential Inhibitor of β-Secretase. *Advances in Bioinformatics*, **2016**, 2016, 9258578	5.5	40

17	Recent Advances and Future Direction in Lyophilisation and Desiccation of Mesenchymal Stem Cells. *Stem Cells International*, **2016**, 2016, 3604203	5	22
16	Why Chitosan? From properties to perspective of mucosal drug delivery. *International Journal of Biological Macromolecules*, **2016**, 91, 615-22	7.9	103
15	l-Asparaginase as morpheein: A potential drug target. *Pharmacological Research*, **2016**, 111, 101	10.2	
14	Development and targeting of transcriptional regulatory network controlling FLU1 activation in Candida albicans for novel antifungals. *Journal of Molecular Graphics and Modelling*, **2016**, 69, 1-7	2.8	7
13	Proteomic analyses of membrane enriched proteins of Leishmania donovani Indian clinical isolate by mass spectrometry. *Parasitology International*, **2015**, 64, 36-42	2.1	16
12	An improved method for high-level soluble expression and purification of recombinant amyloid-beta peptide for in vitro studies. *Protein Expression and Purification*, **2015**, 114, 71-6	2	18
11	Ecotoxic heavy metals transformation by bacteria and fungi in aquatic ecosystem. *World Journal of Microbiology and Biotechnology*, **2015**, 31, 1595-603	4.4	44
10	C-terminal domain of CagX is responsible for its interaction with CagT protein of Helicobacter pylori type IV secretion system. *Biochemical and Biophysical Research Communications*, **2015**, 456, 98-103	3.4	7
9	Hydrolytic enzyme protease in sludge: Recovery and its application. *Biotechnology and Bioprocess Engineering*, **2015**, 20, 652-661	3.1	14
8	Molecular characterization and polyclonal antibody generation against core component CagX protein of Helicobacter pylori type IV secretion system. *Bioengineered*, **2014**, 5, 107-13	5.7	2
7	A computational modeling for the detection of diabetic retinopathy severity. *Bioinformation*, **2014**, 10, 556-61	1.1	8
6	Study of intermolecular interactions in binary mixtures of cyclohexane with 1-alkanols at 308 k. *Physics and Chemistry of Liquids*, **2004**, 42, 411-422	1.5	22
5	Ultrasonic and Volumetric Studies of Molecular Interactions in Acetonitrile + 1-Alkanol (C6, C8, C10) Binary Liquid Mixtures at Different Temperatures. *Journal of the Chinese Chemical Society*, **2004**, 51, 477-485	1.5	31
4	Molecular Interaction in Binary Mixtures of Benzyl Alcohol with Ethanol, Propan-1-ol and Octan-1-ol at 303 K: An Ultrasonic and Viscometric Study. *Collection of Czechoslovak Chemical Communications*, **2002**, 67, 1125-1140		26
3	Scientific rationale of Indian AYUSH Ministry advisory for COVID-19 prevention, prophylaxis, and immunomodulation. *Advances in Traditional Medicine*,1	1.4	0
2	In Vitro Evaluation of Insulin Release from Chitosan-Alginate Macrobeads. *Journal of Pharmaceutical Innovation*,1	1.8	1
1	Role and challenges of internet of things and informatics in Healthcare research. *Health and Technology*,1	2.1	0