

# Bilqees Bano

## 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.

92  
papers

761  
citations

14  
h-index

20  
g-index

93  
ext. papers

875  
ext. citations

4.2  
avg, IF

4.69  
L-index

#	Paper	IF	Citations
92	Bioactive Phytoconstituents as Potent Inhibitors of Tyrosine-Protein Kinase Yes (YES1): Implications in Anticancer Therapeutics. <i>Molecules</i> , <b>2022</b> , 27, 3060	4.8	0
91	Amyloid aggregation and secondary structure changes of liver cystatin: Acidic denaturation and TFE induced studies. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-10	3.6	1
90	Understanding the binding between Rosmarinic acid and serum albumin: In vitro and in silico insight. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 311, 113348	6	30
89	Rosmarinic acid restrains protein glycation and aggregation in human serum albumin: Multi spectroscopic and microscopic insight - Possible Therapeutics Targeting Diseases. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 161, 187-193	7.9	19
88	Deciphering the Nature of Caffeic Acid to Inhibit the HSA Aggregation Induced by Glyoxal. <i>Protein and Peptide Letters</i> , <b>2020</b> , 27, 725-735	1.9	1
87	Protein aggregation as a consequence of non-enzymatic glycation: Therapeutic intervention using aspartic acid and arginine. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 163, 1844-1858	7.9	0
86	Mammalian cystatin and antagonists in brain diseases. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 38, 2171-2196	3.6	6
85	Probing the structural interactions between methotrexate and dexamethasone with muscle cystatin: a biophysical study. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 38, 2955-2964	3.6	0
84	Insight into the biochemical characterization of phytocystatin from Glycine max and its interaction with Cd and Ni. <i>Journal of Molecular Recognition</i> , <b>2019</b> , 32, e2787	2.6	7
83	Probing the binding effects of zinc and cadmium with garlic phytocystatin: Implication of the abiotic stress on garlic phytocystatin. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 133, 945-956	7.9	5
82	Deciphering the binding of carbendazim (fungicide) with human serum albumin: A multi-spectroscopic and molecular modelling studies. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2019</b> , 37, 2230-2241	3.6	13
81	Spectroscopic studies on free radical coalescing antioxidants and brain protein cystatin. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2019</b> , 37, 2949-2959	3.6	4
80	Synthesis and Characterization of Benzothiophene-3-carbonitrile Derivative and Its Interactions with Human Serum Albumin (HSA). <i>ChemistrySelect</i> , <b>2019</b> , 4, 11979-11986	1.8	3
79	An Update on the Association of Protein Kinases with Cardiovascular Diseases. <i>Current Pharmaceutical Design</i> , <b>2019</b> , 25, 174-183	3.3	11
78	Alzheimer's: A Progressive Brain Disease: Causes, Symptoms, and Prevention <b>2019</b> , 31-51		
77	Purification and characterization of a cystatin like thiol protease inhibitor from Brassica nigra. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 125, 1128-1139	7.9	2
76	Role of phytocystatin in combating metal ion induced conformational alterations in glutathione reductase. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 127, 271-277	7.9	3

75	In-vitro assessment of the binding mechanism of oxyfluorfen (herbicide) with garlic phytochemical: multi-spectroscopic and isothermal titration calorimetric study. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2019</b> , 37, 4120-4131	3.6	1
74	Oxidation of cystatin imparted by riboflavin generated free radicals: Spectral analysis. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 124, 1281-1291	7.9	4
73	Probing the interaction of human serum albumin with iprodione, a fungicide: spectroscopic and molecular docking insight. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2019</b> , 37, 857-862	3.6	10
72	Methylglyoxal induced glycation and aggregation of human serum albumin: Biochemical and biophysical approach. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 113, 269-276	7.9	26
71	Exposure of carbendazim induces structural and functional alteration in garlic phytochemical: An in vitro multi-spectroscopic approach. <i>Pesticide Biochemistry and Physiology</i> , <b>2018</b> , 145, 66-75	4.9	4
70	Probing the interaction of anticancer drug temsirolimus with human serum albumin: molecular docking and spectroscopic insight. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2018</b> , 36, 1479-1489	3.6	46
69	Glycation induced conformational alterations in caprine brain cystatin (CBC) leads to aggregation via passage through a partially folded state. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 106, 917-929	7.9	4
68	Glycation induced conformational transitions in cystatin proceed to form biotoxic aggregates: A multidimensional analysis. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2018</b> , 1866, 989-1000 <sup>4</sup>		1
67	Damage of cystatin due to ROS-generation and radical-scavenging activity of antioxidants and associated compounds. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 119, 369-379	7.9	8
66	Modification of chickpea cystatin by reactive dicarbonyl species: Glycation, oxidation and aggregation. <i>Archives of Biochemistry and Biophysics</i> , <b>2018</b> , 650, 103-115	4.1	5
65	A biophysical insight into the formation of aggregates upon trifluoroethanol induced structural and conformational changes in garlic cystatin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 204, 7-17	4.4	1
64	Global transition of human serum albumin to prefibrillar aggregates induced by temsirolimus: Insight into implications of anti-renal cancer drug. <i>Journal of Molecular Recognition</i> , <b>2018</b> , 31, e2688	2.6	2
63	Investigating the preventive effects of baicalin and gallic acid against glyoxal-induced cystatin aggregation. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2018</b> , 36, 3791-3802	3.6	7
62	Insight into the functional and structural transition of garlic phytochemical induced by urea and guanidine hydrochloride: A comparative biophysical study. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 106, 20-29	7.9	8
61	Investigating the interaction of anticancer drug temsirolimus with human transferrin: Molecular docking and spectroscopic approach. <i>Journal of Molecular Recognition</i> , <b>2018</b> , 31, e2728	2.6	26
60	Deciphering the toxic effects of iprodione, a fungicide and malathion, an insecticide on thiol protease inhibitor isolated from yellow Indian mustard seeds. <i>Environmental Toxicology and Pharmacology</i> , <b>2018</b> , 61, 52-60	5.8	11
59	Biochemical, immunological and kinetic characterization and partial sequence analysis of a thiol proteinase inhibitor from <i>Bubalus bubalis</i> kidney: An attempt targeting kidney disorders. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 94, 819-826	7.9	6
58	Structural transition of kidney cystatin in dimethylnitrosamine-induced renal cancer in rats: identification as a novel biomarker for kidney cancer and prognosis. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2017</b> , 35, 1020-1029	3.6	3

57	Structural and functional studies on a variant of cystatin purified from brain of <i>Capra hircus</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2017</b> , 35, 1693-1709	3.6	7
56	Oxadiargyl induced conformational transition of cystatin isolated from yellow mustard seeds: Biophysical and biochemical approach. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 98, 802-809	7.9	4
55	Binding of Earrageenan (a food additive) to almond cystatin: An insight involving spectroscopic and thermodynamic approach. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 98, 684-690	7.9	9
54	Interaction of almond cystatin with pesticides: Structural and functional analysis. <i>Journal of Molecular Recognition</i> , <b>2017</b> , 30, e2586	2.6	2
53	Journey of cystatins from being mere thiol protease inhibitors to at heart of many pathological conditions. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 102, 674-693	7.9	21
52	Insight into the biochemical, kinetic and spectroscopic characterization of garlic ( <i>Allium sativum</i> ) phytocystatin: Implication for cardiovascular disease. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 95, 734-742	7.9	14
51	Anti-fibrillogenic and fibril destabilizing effects of metal ions on cystatin fibrils. <i>Process Biochemistry</i> , <b>2017</b> , 57, 105-116	4.8	4
50	Temsirolimus induced structural transition of cancerous renal cystatin to normal form in rats: In vitro mechanistic approach underlying renal cancer prevention. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 96, 19-25	7.9	3
49	In-sights into the effect of heavy metal stress on the endogenous mustard cystatin. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 105, 1138-1147	7.9	4
48	Structural transition of kidney cystatin induced by silicon dioxide nanoparticles: An implication for renal diseases. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 94, 754-761	7.9	7
47	Deciphering the interaction of bovine heart cystatin with ZnO nanoparticles: Spectroscopic and thermodynamic approach. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 95, 1056-1063	7.9	14
46	Characterizing harmful advanced glycation end-products (AGEs) and ribosylated aggregates of yellow mustard seed phytocystatin: Effects of different monosaccharides. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 171, 183-192	4.4	10
45	Glycation of Liver Cystatin: Implication on its Structure and Function. <i>Journal of Fluorescence</i> , <b>2016</b> , 26, 1743-53	2.4	3
44	Isolation and purification of phytocystatin from almond: Biochemical, biophysical, and immunological characterization. <i>Cogent Biology</i> , <b>2016</b> , 2, 1262489	1.6	6
43	Glyoxal induced structural transition of buffalo kidney cystatin to molten globule and aggregates: Anti-fibrillation potency of quinic acid. <i>IUBMB Life</i> , <b>2016</b> , 68, 156-66	4.7	12
42	Spectroscopic evaluation of the interaction between pesticides and chickpea cystatin: comparative binding and toxicity analyses. <i>Environmental Sciences: Processes and Impacts</i> , <b>2016</b> , 18, 872-81	4.3	9
41	Physico-chemical and in-silico analysis of a phytocystatin purified from Brassica juncea cultivar RoAgro 5444. <i>Biochemistry and Cell Biology</i> , <b>2016</b> , 94, 584-596	3.6	8
40	Purification and biochemical characterization of phytocystatin from Brassica alba. <i>Journal of Molecular Recognition</i> , <b>2016</b> , 29, 223-31	2.6	16

39	In vitro disintegration of goat brain cystatin fibrils using conventional and gemini surfactants: Putative therapeutic intervention in amyloidoses. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 93, 493-500	7.9	4
38	Effect of trifluoroethanol on $\beta$ -crystallin: folding, aggregation, amyloid, and cytotoxicity analysis. <i>Journal of Molecular Recognition</i> , <b>2016</b> , 29, 33-40	2.6	7
37	Evaluation of polyphenols as possible therapeutics for amyloidoses: Comparative analysis of Kaempferol and Catechin. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 81, 60-8	7.9	13
36	Employing in vitro analysis to test the potency of methylglyoxal in inducing the formation of amyloid-like aggregates of caprine brain cystatin. <i>Amino Acids</i> , <b>2015</b> , 47, 135-46	3.5	16
35	Conformational transitions induced by in vitro macromolecular crowding lead to the amyloidogenesis of buffalo heart cystatin. <i>Journal of Molecular Recognition</i> , <b>2015</b> , 28, 699-709	2.6	9
34	Differential effects of anti-cancer and anti-hepatitis drugs on liver cystatin. <i>Saudi Journal of Biological Sciences</i> , <b>2015</b> , 22, 69-74	4	3
33	Non-enzymatic Glycation of Almond Cystatin Leads to Conformational Changes and Altered Activity. <i>Protein and Peptide Letters</i> , <b>2015</b> , 22, 449-59	1.9	13
32	Conformational behaviour and aggregation of chickpea cystatin in trifluoroethanol: effects of epicatechin and tannic acid. <i>Archives of Biochemistry and Biophysics</i> , <b>2014</b> , 562, 51-61	4.1	15
31	Bilirubin binding with liver cystatin induced structural and functional changes. <i>Journal of Fluorescence</i> , <b>2014</b> , 24, 967-74	2.4	3
30	Effect of non-enzymatic glycation on cystatin: a spectroscopic study. <i>Journal of Fluorescence</i> , <b>2014</b> , 24, 1107-17	2.4	18
29	Different conformation of thiol protease inhibitor during amyloid formation: inhibition by curcumin and quercetin. <i>Journal of Fluorescence</i> , <b>2013</b> , 23, 451-7	2.4	10
28	Biochemical, immunological and kinetic characterisation of thiol protease inhibitor (cystatin) from liver. <i>Applied Biochemistry and Biotechnology</i> , <b>2013</b> , 171, 667-75	3.2	6
27	Benzo(a)pyrene induced structural and functional modifications in lung cystatin. <i>Environmental Monitoring and Assessment</i> , <b>2013</b> , 185, 8005-10	3.1	
26	Studies on interaction of buffalo brain cystatin with donepezil: an Alzheimer's drug. <i>International Journal of Alzheimers Disease</i> , <b>2013</b> , 2013, 842689	3.7	1
25	Conformational changes during amyloid fibril formation of pancreatic thiol proteinase inhibitor: effect of copper and zinc. <i>Molecular Biology Reports</i> , <b>2012</b> , 39, 2945-55	2.8	8
24	Studies on the chemical modification of goat liver cystatin and the effect on its anti-papain inhibitory activity. <i>Journal of Fluorescence</i> , <b>2012</b> , 22, 1627-32	2.4	1
23	Aggregation and inactivation of pancreatic cystatin by riboflavin-derived singlet oxygen and flavin triplet state: polyphenols as preventive agents. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2012</b> , 26, 187-92	3.4	
22	Nitric Oxide Induced Damage and Preventive Effect of Curcumin and Quercetin on Buffalo Brain Cystatin. <i>Current Proteomics</i> , <b>2012</b> , 9, 9-17	0.7	2

21	Spectral Methods of Characterizing the Conformational Changes of Glycated Goat Liver Cystatin. <i>Current Proteomics</i> , <b>2012</b> , 9, 255-261	0.7	2
20	Purification and characterization of buffalo brain cystatin. <i>Protein and Peptide Letters</i> , <b>2011</b> , 18, 210-8	1.9	10
19	Comparative effects of alcohols (methanol, glycerol) and polyethylene glycol (PEG-300) on acid denatured state of goat liver cystatin. <i>Journal of Fluorescence</i> , <b>2011</b> , 21, 1401-7	2.4	
18	Spectroscopic studies on the interaction of bilirubin with liver cystatin. <i>European Biophysics Journal</i> , <b>2011</b> , 40, 175-80	1.9	9
17	Protein unfolding studies of thiol-proteinase inhibitor from goat ( <i>Capra hircus</i> ) muscle in the presence of urea and GdnHCl as denaturants. <i>European Biophysics Journal</i> , <b>2011</b> , 40, 611-7	1.9	7
16	Cystatin like thiol proteinase inhibitor from pancreas of <i>Capra hircus</i> : purification and detailed biochemical characterization. <i>Amino Acids</i> , <b>2010</b> , 38, 1001-10	3.5	16
15	Physicochemical properties of thiol proteinase inhibitor isolated from goat pancreas. <i>Biopolymers</i> , <b>2010</b> , 93, 708-17	2.2	4
14	Methotrexate binding causes structural and functional changes in lung cystatin.. <i>Acta Biochimica Polonica</i> , <b>2010</b> , 57,	2	5
13	Cystatins in Health and Diseases. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2009</b> , 15, 43	2.1	21
12	Mechanism of Unfolding of Goat Lung Cystatin During Urea and Guanidine Hydrochloride Induced Denaturation. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2009</b> , 15, 81-86	2.1	3
11	Purification, characterization and kinetics of thiol protease inhibitor from goat ( <i>Capra hircus</i> ) lung. <i>Biochemistry (Moscow)</i> , <b>2009</b> , 74, 781-8	2.9	5
10	Preventive effect of curcumin and quercetin against nitric oxide mediated modification of goat lung cystatin. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 6055-9	5.7	5
9	Oxidative stress induced functional and structural modifications of high molecular mass goat brain cystatin. <i>Protein and Peptide Letters</i> , <b>2008</b> , 15, 20-6	1.9	1
8	Unfolding during urea denaturation of a low molecular weight phytocystatin (thiol protease inhibitor) purified from <i>Phaseolus mungo</i> (Urd). <i>Protein and Peptide Letters</i> , <b>2006</b> , 13, 323-9	1.9	6
7	Molten globule state of human placental cystatin (HPC) at low pH conditions and the effects of trifluoroethanol (TFE) and methanol. <i>Biochemistry and Cell Biology</i> , <b>2006</b> , 84, 126-34	3.6	4
6	Purification and characterization of high molecular mass and low molecular mass cystatin from goat brain. <i>Neurochemical Research</i> , <b>2006</b> , 31, 1327-36	4.6	14
5	Biochemical and biophysical changes induced by fungicide sodium diethyl dithiocarbamate (SDD), in phytocystatin purified from <i>Phaseolus mungo</i> (Urd): a commonly used Indian legume. <i>Journal of Agricultural and Food Chemistry</i> , <b>2005</b> , 53, 6027-34	5.7	13
4	Purification and characterization of kininogens from sheep plasma. <i>Protein Journal</i> , <b>2005</b> , 24, 95-102	3.9	10

3	Comparison of guanidine hydrochloride (GdnHCl) and urea denaturation on inactivation and unfolding of human placental cystatin (HPC). <i>Protein Journal</i> , <b>2005</b> , 24, 283-92	3.9	52
2	Modification of sheep plasma kininogen by free radicals. <i>Free Radical Research</i> , <b>2004</b> , 38, 393-403	4	7
1	Structural requirements for cathepsin B and cathepsin H inhibition by kininogens. <i>The Protein Journal</i> , <b>1996</b> , 15, 519-25		7