

# Firoz Akhter

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10154386/publications.pdf>

Version: 2024-02-01

25  
papers

820  
citations

516710

16  
h-index

610901

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

786  
citing authors

#	ARTICLE	IF	CITATIONS
1	Glycooxidation of biological macromolecules: A critical approach to halt the menace of glycation. <i>Glycobiology</i> , 2014, 24, 979-990.	2.5	111
2	Bio-physical characterization of ribose induced glycation: A mechanistic study on DNA perturbations. <i>International Journal of Biological Macromolecules</i> , 2013, 58, 206-210.	7.5	79
3	Studies on glycation of human low density lipoprotein: A functional insight into physico-chemical analysis. <i>International Journal of Biological Macromolecules</i> , 2013, 62, 167-171.	7.5	71
4	Immunogenicity of DNA-advanced glycation end product fashioned through glyoxal and arginine in the presence of Fe <sup>3+</sup> : Its potential role in prompt recognition of diabetes mellitus auto-antibodies. <i>Chemico-Biological Interactions</i> , 2014, 219, 229-240.	4.0	58
5	Modulation of Cellular Redox Status and Antioxidant Defense System after Synergistic Application of Zinc Oxide Nanoparticles and Salicylic Acid in Rice ( <i>Oryza sativa</i> ) Plant under Arsenic Stress. <i>Plants</i> , 2021, 10, 2254.	3.5	53
6	Antigenic role of the adaptive immune response to d-ribose glycated LDL in diabetes, atherosclerosis and diabetes atherosclerotic patients. <i>Life Sciences</i> , 2016, 151, 139-146.	4.3	42
7	Do all roads lead to the Rome? The glycation perspective!. <i>Seminars in Cancer Biology</i> , 2018, 49, 9-19.	9.6	42
8	An Immunohistochemical Analysis to Validate the Rationale behind the Enhanced Immunogenicity of D-Ribosylated Low Density Lipo-Protein. <i>PLoS ONE</i> , 2014, 9, e113144.	2.5	42
9	Acquired immunogenicity of calf thymus DNA and LDL modified by d-ribose: A comparative study. <i>International Journal of Biological Macromolecules</i> , 2015, 72, 1222-1227.	7.5	39
10	Mitochondrial Perturbation in Alzheimer's Disease and Diabetes. <i>Progress in Molecular Biology and Translational Science</i> , 2017, 146, 341-361.	1.7	34
11	Antioxidant, $\alpha$ -amylase inhibitory and oxidative DNA damage protective property of <i>Boerhaavia diffusa</i> (Linn.) root. <i>South African Journal of Botany</i> , 2013, 88, 265-272.	2.5	33
12	Age-dependent accumulation of dicarbonyls and advanced glycation endproducts (AGEs) associates with mitochondrial stress. <i>Free Radical Biology and Medicine</i> , 2021, 164, 429-438.	2.9	33
13	High Dietary Advanced Glycation End Products Impair Mitochondrial and Cognitive Function. <i>Journal of Alzheimer's Disease</i> , 2020, 76, 165-178.	2.6	33
14	Therapeutic efficacy of <i>Boerhaavia diffusa</i> (Linn.) root methanolic extract in attenuating streptozotocin-induced diabetes, diabetes-linked hyperlipidemia and oxidative-stress in rats. <i>Biomedical Research and Therapy</i> , 2019, 6, 3293-3306.	0.6	29
15	Vascular Dementia and Underlying Sex Differences. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 720715.	3.4	27
16	Detection of Circulating Auto-Antibodies Against Ribosylated-LDL in Diabetes Patients. <i>Journal of Clinical Laboratory Analysis</i> , 2017, 31, e22039.	2.1	20
17	The neoepitopes on methylglyoxal (MG) glycated LDL create autoimmune response; autoimmunity detection in T2DM patients with varying disease duration. <i>Cellular Immunology</i> , 2020, 351, 104062.	3.0	19
18	Glycyrrhizic Acid Scavenges Reactive Carbonyl Species and Attenuates Glycation-Induced Multiple Protein Modification: An In Vitro and In Silico Study. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-14.	4.0	15

#	ARTICLE	IF	CITATIONS
19	The non-enzymatic glycation of LDL proteins results in biochemical alterations - A correlation study of Apo B100-AGE with obesity and rheumatoid arthritis. International Journal of Biological Macromolecules, 2019, 122, 195-200.	7.5	12
20	Identification and Characterization of Amyloid- $\beta^2$ Accumulation in Synaptic Mitochondria. Methods in Molecular Biology, 2018, 1779, 415-433.	0.9	9
21	The Neoepitopes on Methylglyoxal- (MG-) Glycated Fibrinogen Generate Autoimmune Response: Its Role in Diabetes, Atherosclerosis, and Diabetic Atherosclerosis Subjects. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-17.	4.0	6
22	Toxicity of Protein and DNA-AGEs in Neurodegenerative Diseases (NDDs) with Decisive Approaches to Stop the Deadly Consequences. Environmental Science and Engineering, 2017, , 99-124.	0.2	5
23	Antimicrobial resistant coliform bacteria in the Gomti river water and determination of their tolerance level. Bioinformation, 2014, 10, 167-174.	0.5	5
24	RAGE Exacerbate Amyloid Beta ( $A\beta^2$ ) Induced Alzheimer Pathology: A Systemic Overview. Environmental Science and Engineering, 2019, , 159-170.	0.2	3
25	Nelumbo nucifera. , 2021, , 467-479.		0