Azamal Husen

List of Publications by Year in Descending Order

97 papers	3,766 citations	32 h-index	60 g-index
100 ext. papers	4,510 ext. citations	3.9 avg, IF	6.74 L-index

#	Paper	IF	Citations
97	Microwave-Assisted Synchronous Nanogold Synthesis Reinforced by Kenaf Seed and Decoding Their Biocompatibility and Anticancer Activity.. *Pharmaceuticals*, **2022**, 15,	5.2	4
96	Potential applications of engineered nanoparticles in plant disease management: A critical update.. *Chemosphere*, **2022**, 133798	8.4	31
95	Growth and Development of Medicinal Plants, and Production of Secondary Metabolites under Ozone Pollution **2022**, 25-38		4
94	Impact of Sulphur Dioxide Deposition on Medicinal Plants' Growth and Production of Active Constituents **2022**, 65-88		4
93	Impact of UV Radiation on the Growth and Pharmaceutical Properties of Medicinal Plants **2022**, 47-59		5
92	Role of Hormones in Crop Plants Root System Architecture Under Changing Environmental Conditions **2022**, 145-159		
91	Nanoparticle-Mediated Delivery of Flavonoids for Cancer Therapy: Prevention and Treatment. *Nanotechnology in the Life Sciences*, **2021**, 61-100	1.1	
90	Current Trends in Engineered Gold Nanoparticles for Cancer Therapy. *Nanotechnology in the Life Sciences*, **2021**, 1-40	1.1	2
89	Smart nanomaterial and nanocomposite with advanced agrochemical activities. *Nanoscale Research Letters*, **2021**, 16, 156	5	36
88	Medicinal Plants and Their Pharmaceutical Properties Under Adverse Environmental Conditions **2021**, 457-502		3
87	Food, Fodder and Fuelwoods from Forest **2021**, 383-425		
86	Algae-, fungi-, and yeast-mediated biological synthesis of nanoparticles and their various biomedical applications **2021**, 701-734		5
85	Morpho-anatomical, Physiological, Biochemical and Molecular Responses of Plants to Air Pollution **2021**, 203-234		9
84	Functions of Hydrogen Sulfide in Plant Regulation and Response to Abiotic Stress **2021**, 329-355		5
83	Health-Promoting Benefits, Value-Added Products, and Other Uses of Banana **2021**, 339-364		1
82	The Harsh Environment and Resilient Plants: An Overview **2021**, 1-23		1
81	Role of Traditional Chewing Sticks in Oral Hygiene and Other Benefits **2021**, 39-73		

80	Cross Talk Between Autophagy and Hormones for Abiotic Stress Tolerance in Plants **2021**, 1-15		4
79	A Review on Biosensors and Nanosensors Application in Agroecosystems. *Nanoscale Research Letters*, **2021**, 16, 136	5	47
78	Significance of brassinosteroids and their derivatives in the development and protection of plants under abiotic stress. *Biologia (Poland)*, **2021**, 76, 2837-2857	1.5	4
77	Plant-based Potential Nutraceuticals for Improving the Human Immune System **2021**, 1-12		3
76	Antibacterial Properties of Medicinal Plants **2021**, 13-54		3
75	Metal-based nanoparticles, sensors, and their multifaceted application in food packaging. *Journal of Nanobiotechnology*, **2021**, 19, 256	9.4	47
74	Current status of Aloe-based nanoparticle fabrication, characterization and their application in some cutting-edge areas. *South African Journal of Botany*, **2021**,	2.9	1
73	Plant response to silver nanoparticles: a critical review. *Critical Reviews in Biotechnology*, **2021**, 1-18	9.4	20
72	Suitability of Indian mustard genotypes for phytoremediation of mercury-contaminated sites. *South African Journal of Botany*, **2021**, 142, 12-18	2.9	7
71	Potential Role of Medicinal Plants in the Cure of Liver and Kidney Diseases **2021**, 229-254		2
70	Forest-Based Edible Seeds and Nuts for Health Care and Disease Control **2021**, 145-174		
69	Potential Role of Forest-Based Plants in Essential Oil Production: An Approach to Cosmetic and Personal Health Care Applications **2021**, 1-18		2
68	Biogenic fabrication of nanomaterials from flower-based chemical compounds, characterization and their various applications: A review. *Saudi Journal of Biological Sciences*, **2020**, 27, 2551-2562	4	27
67	Root-based fabrication of metal/metal-oxide nanomaterials and their various applications **2020**, 135-166		9
66	Carbon-based nanomaterials and their interactions with agricultural crops **2020**, 199-218		4
65	Behavior of agricultural crops in relation to nanomaterials under adverse environmental conditions **2020**, 219-256		9
64	Current status of plant metabolite-based fabrication of copper/copper oxide nanoparticles and their applications: a review. *Biomaterials Research*, **2020**, 24, 11	16.8	45
63	Role of nanomaterials in soil and water quality management **2020**, 491-503		3

62	Interactions of metal and metal-oxide nanomaterials with agricultural crops: an overview **2020**, 167-197		4
61	Plant Allelochemicals and Their Various Applications. *Reference Series in Phytochemistry*, **2020**, 441-465	0.7	9
60	Introduction and techniques in nanomaterials formulation **2020**, 1-14		7
59	Nanomaterials from various forest tree species and their biomedical applications **2020**, 81-106		6
58	Ethnopharmacological, phytochemistry and other potential applications of Dodonaea genus: A comprehensive review. *Current Research in Biotechnology*, **2020**, 2, 103-119	4.8	11
57	Phytochemistry, pharmacological activities, nanoparticle fabrication, commercial products and waste utilization of Carica papaya L.: A comprehensive review. *Current Research in Biotechnology*, **2020**, 2, 145-160	4.8	25
56	Green synthesis, characterization, antibacterial and photocatalytic activity of black cupric oxide nanoparticles. *Agriculture and Food Security*, **2020**, 9,	3.1	2
55	Nanomaterials from non-wood forest products and their applications **2020**, 15-40		8
54	Improving futuristic nanomaterial researches in forestry sector: an overview **2020**, 505-518		5
53	Role of Nanomaterials in the Mitigation of Abiotic Stress in Plants **2019**, 441-471		19
52	Plant-Mediated Fabrication of Gold Nanoparticles and Their Applications **2019**, 71-110		6
51	Natural Product-Based Fabrication of Zinc-Oxide Nanoparticles and Their Applications **2019**, 193-219		7
50	Plant-Based Fabrication of Silver Nanoparticles and Their Application **2019**, 135-175		6
49	Nanomaterials and Plant Potential: An Overview **2019**, 3-29		20
48	Impact of Fabricated Nanoparticles on the Rhizospheric Microorganisms and Soil Environment **2019** , 529-552		7
47	Plant-Mediated Synthesis of Copper Oxide Nanoparticles and Their Biological Applications **2019**, 221-237		11
46	Green Synthesis of Iron Oxide Nanoparticles: Cutting Edge Technology and Multifaceted Applications **2019**, 239-259		7
45	Biofabrication of Silver Nanoparticles from Diospyros montana, Their Characterization and Activity Against Some Clinical Isolates. *BioNanoScience*, **2019**, 9, 302-312	3.4	7

44	Plant Allelochemicals and Their Various Applications. *Reference Series in Phytochemistry*, **2019**, 1-25	0.7	4
43	Plant response to jasmonates: current developments and their role in changing environment. *Bulletin of the National Research Centre*, **2019**, 43,	3	55
42	Medicinal Plant Product-Based Fabrication Nanoparticles (Au and Ag) and Their Anticancer Effects **2019**, 133-147		5
41	Modulation of salt-stress tolerance of niger (Guizotia abyssinica), an oilseed plant, by application of salicylic acid. *Journal of Environmental Biology*, **2019**, 40, 96-104	1.6	41
40	Effect of Carbon-Based Nanomaterials on Rhizosphere and Plant Functioning **2019**, 553-575		2
39	Water purification and antibacterial efficacy of Moringa oleifera Lam. *Agriculture and Food Security*, **2018**, 7,	3.1	19
38	A review on biosynthesis of silver nanoparticles and their biocidal properties. *Journal of Nanobiotechnology*, **2018**, 16, 14	9.4	511
37	Salicylic acid alleviates salinity-caused damage to foliar functions, plant growth and antioxidant system in Ethiopian mustard (Brassica carinata A. Br.). *Agriculture and Food Security*, **2018**, 7,	3.1	63
36	Properties of Zinc Oxide Nanoparticles and Their Activity Against Microbes. *Nanoscale Research Letters*, **2018**, 13, 141	5	387
35	Biogenic fabrication and characterization of silver nanoparticles using aqueous-ethanolic extract of lichen () and their antimicrobial activity. *Biomaterials Research*, **2018**, 22, 23	16.8	40
34	Recent Status of Nanomaterial Fabrication and Their Potential Applications in Neurological Disease Management. *Nanoscale Research Letters*, **2018**, 13, 231	5	50
33	Role of viruses, prions and miRNA in neurodegenerative disorders and dementia. *VirusDisease*, **2018** , 29, 419-433	3.4	6
32	Effect of Indole-3-Butyric Acid on Clonal Propagation of Mulberry (Morus alba L.) Stem Cuttings: Rooting and Associated Biochemical Changes. *Proceedings of the National Academy of Sciences India Section B - Biological Sciences*, **2017**, 87, 161-166	1.4	12
31	Gold Nanoparticles from Plant System: Synthesis, Characterization and their Application. *Soil Biology*, **2017**, 455-479	1	34
30	Plant Response to Engineered Metal Oxide Nanoparticles. *Nanoscale Research Letters*, **2017**, 12, 92	5	150
29	Plant response to strigolactones: Current developments and emerging trends. *Applied Soil Ecology*, **2017**, 120, 247-253	5	28
28	Recent advances in plant-mediated engineered gold nanoparticles and their application in biological system. *Journal of Trace Elements in Medicine and Biology*, **2017**, 40, 10-23	4.1	125
27	Recent Development and Future Prospects of Plant-Based Vaccines. *Current Drug Metabolism*, **2017** , 18, 831-841	3.5	14

26	Plant growth and foliar characteristics of faba bean (Vicia faba L.) as affected by indole-acetic acid under water-sufficient and water-deficient conditions. *Journal of Environmental Biology*, **2017**, 38, 179-186	1.6	39
25	Response of Datura innoxia Linn. to Gamma Rays and Its Impact on Plant Growth and Productivity. *Proceedings of the National Academy of Sciences India Section B - Biological Sciences*, **2016**, 86, 623-629	1.4	5
24	Fabrication of Metal and Metal Oxide Nanoparticles by Algae and their Toxic Effects. *Nanoscale Research Letters*, **2016**, 11, 363	5	88
23	Biogenic Fabrication of Iron/Iron Oxide Nanoparticles and Their Application. *Nanoscale Research Letters*, **2016**, 11, 498	5	79
22	Green Synthesis, Characterization and Uses of Palladium/Platinum Nanoparticles. *Nanoscale Research Letters*, **2016**, 11, 482	5	116
21	Fabrication of Metal Nanoparticles from Fungi and Metal Salts: Scope and Application. *Nanoscale Research Letters*, **2016**, 11, 98	5	178
20	Development of Cotton leaf curl virus resistant transgenic cotton using antisense C1 gene. *Saudi Journal of Biological Sciences*, **2016**, 23, 358-62	4	12
19	Differential Sensitivity of Pisum sativum L. Cultivars to Water-deficit Stress: Changes in Growth, Water Status, Chlorophyll Fluorescence and Gas Exchange Attributes. *Journal of Agronomy*, **2016**, 15, 45-57	0.4	46
18	Engineered Gold Nanoparticles and Plant Adaptation Potential. *Nanoscale Research Letters*, **2016**, 11, 400	5	88
17	Improving the phytoextraction capacity of plants to scavenge metal(loid)-contaminated sites. *Environmental Reviews*, **2015**, 23, 44-65	4.5	54
16	Growth, Water Status, Physiological, Biochemical and Yield Response of Stay Green Sorghum (Sorghum bicolor (L.) Moench) Varieties-A Field Trial Under Drought-Prone Area in Amhara Regional State, Ethiopia. *Journal of Agronomy*, **2015**, 14, 188-202	0.4	55
15	Plants and microbes assisted selenium nanoparticles: characterization and application. *Journal of Nanobiotechnology*, **2014**, 12, 28	9.4	144
14	Carbon and fullerene nanomaterials in plant system. *Journal of Nanobiotechnology*, **2014**, 12, 16	9.4	169
13	Phytosynthesis of nanoparticles: concept, controversy and application. *Nanoscale Research Letters*, **2014**, 9, 229	5	228
12	Growth, water status, and leaf characteristics of Brassica carinata under drought and rehydration conditions. *Revista Brasileira De Botanica*, **2014**, 37, 217-227	1.2	57
11	Growth Characteristics, Biomass and Chlorophyll Fluorescence Variation of Garhwal Himalayan Fodder and Fuel Wood Tree Species at the Nursery Stage. *Open Journal of Forestry*, **2013**, 03, 12-16	0.4	6
10	Role of Anthraquinones as a Marker of Juvenility and Maturity in Response to Adventitious Rooting of Tectona grandis. *American Journal of Plant Physiology*, **2012**, 7, 220-231	0	11
9	Rejuvenation and Adventitious Rooting in Coppice-Shoot Cuttings of <i>Tectona grandis</i> as Affected by Stock-Plant Etiolation. *American Journal of Plant Sciences*, **2011**, 02, 370-374	0.5	6

8	Changes of Soluble Sugars and Enzymatic Activities During Adventitious Rooting in Cuttings of Grewia optiva as Affected by Age of Donor Plants and Auxin Treatments. *American Journal of Plant Physiology*, **2011**, 7, 1-16	0	22
7	Growth Characteristics, Physiological and Metabolic Responses of Teak (Tectona Grandis Linn. f.) Clones Differing in Rejuvenation Capacity Subjected to Drought Stress. *Silvae Genetica*, **2010**, 59, 124-136	1.1	41
6	Growth, chlorophyll fluorescence and biochemical markers in clonal ramets of shisham (Dalbergia sissoo Roxb.) at nursery stage. *New Forests*, **2009**, 38, 117-129	2.6	14
5	Clonal propagation of Dalbergia sissoo Roxb. and associated metabolic changes during adventitious root primordium development. *New Forests*, **2008**, 36, 13-27	2.6	43
4	Metabolic changes during adventitious root primordium development in Tectona grandis Linn. f. (teak) cuttings as affected by age of donor plants and auxin (IBA and NAA) treatment. *New Forests*, **2007**, 33, 309-323	2.6	85
3	Effect of branch position and auxin treatment on clonal propagation of Tectona grandis Linn. f.. *New Forests*, **2007**, 34, 223-233	2.6	38
2	Stock-plant etiolation causes drifts in total soluble sugars and anthraquinones, and promotes adventitious root formation in teak (Tectona grandis L. f.) coppice shoots. *Plant Growth Regulation*, **2007**, 54, 13-21	3.2	24
1	Variation in Shoot Anatomy and Rooting Behaviour of Stem Cuttings in Relation to Age of Donor Plants in Teak (Tectona grandis Linn. f.). *New Forests*, **2006**, 31, 57-73	2.6	47