Muhammad Babar Shahzad Afzal

List of Publications by Citations

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163 papers	5,037 citations	39 h-index	66 g-index
173 ext. papers	5,933 ext. citations	3.9 avg, IF	6.12 L-index

#	Paper	IF	Citations
163	Potential role of phytohormones and plant growth-promoting rhizobacteria in abiotic stresses: consequences for changing environment. *Environmental Science and Pollution Research*, **2015**, 22, 4907-21	5.1	326
162	Plant-bacteria partnerships for the remediation of hydrocarbon contaminated soils. *Chemosphere*, **2013**, 90, 1317-32	8.4	266
161	Endophytic bacteria: prospects and applications for the phytoremediation of organic pollutants. *Chemosphere*, **2014**, 117, 232-42	8.4	251
160	Enhanced degradation of textile effluent in constructed wetland system using Typha domingensis and textile effluent-degrading endophytic bacteria. *Water Research*, **2014**, 58, 152-9	12.5	150
159	Soil type affects plant colonization, activity and catabolic gene expression of inoculated bacterial strains during phytoremediation of diesel. *Journal of Hazardous Materials*, **2011**, 186, 1568-75	12.8	145
158	Bacterial lipases: A review on purification and characterization. *Progress in Biophysics and Molecular Biology*, **2018**, 132, 23-34	4.7	142
157	Hydrocarbon degradation, plant colonization and gene expression of alkane degradation genes by endophytic Enterobacter ludwigii strains. *Environmental Pollution*, **2011**, 159, 2675-83	9.3	139
156	The inoculation method affects colonization and performance of bacterial inoculant strains in the phytoremediation of soil contaminated with diesel oil. *International Journal of Phytoremediation*, **2012**, 14, 35-47	3.9	132
155	Plant-bacteria partnerships for the remediation of persistent organic pollutants. *Environmental Science and Pollution Research*, **2017**, 24, 4322-4336	5.1	126
154	Inoculation with bacteria in floating treatment wetlands positively modulates the phytoremediation of oil field wastewater. *Journal of Hazardous Materials*, **2018**, 349, 242-251	12.8	110
153	The endophyte Enterobacter sp. FD17: a maize growth enhancer selected based on rigorous testing of plant beneficial traits and colonization characteristics. *Biology and Fertility of Soils*, **2014**, 50, 249-262	6.1	98
152	Enhanced remediation of sewage effluent by endophyte-assisted floating treatment wetlands. *Ecological Engineering*, **2015**, 84, 58-66	3.9	93
151	Cr-resistant rhizo- and endophytic bacteria associated with Prosopis juliflora and their potential as phytoremediation enhancing agents in metal-degraded soils. *Frontiers in Plant Science*, **2014**, 5, 755	6.2	83
150	Phytoremediation: recent advances in plant-endophytic synergistic interactions. *Plant and Soil*, **2016**, 405, 179-195	4.2	81
149	On-site performance of floating treatment wetland macrocosms augmented with dye-degrading bacteria for the remediation of textile industry wastewater. *Journal of Cleaner Production*, **2019**, 217, 541-548	10.3	81
148	Cross-resistance, the stability of acetamiprid resistance and its effect on the biological parameters of cotton mealybug, Phenacoccus solenopsis (Homoptera: Pseudococcidae), in Pakistan. *Pest Management Science*, **2015**, 71, 151-8	4.6	73
147	Endophytic bacteria enhance remediation of tannery effluent in constructed wetlands vegetated with Leptochloa fusca. *International Journal of Phytoremediation*, **2018**, 20, 121-128	3.9	72

146	Bacterial rhizosphere and endosphere populations associated with grasses and trees to be used for phytoremediation of crude oil contaminated soil. *Bulletin of Environmental Contamination and Toxicology*, **2015**, 94, 314-20	2.7	72
145	Enhanced remediation of chlorpyrifos from soil using ryegrass (Lollium multiflorum) and chlorpyrifos-degrading bacterium Bacillus pumilus C2A1. *Journal of Hazardous Materials*, **2012**, 237-238, 110-5	12.8	70
144	Nutrients can enhance the abundance and expression of alkane hydroxylase CYP153 gene in the rhizosphere of ryegrass planted in hydrocarbon-polluted soil. *PLoS ONE*, **2014**, 9, e111208	3.7	66
143	Rhamnolipids and nutrients boost remediation of crude oil-contaminated soil by enhancing bacterial colonization and metabolic activities. *International Biodeterioration and Biodegradation*, **2016**, 115, 192-198	4.8	65
142	Inoculation method affects colonization and activity of Burkholderia phytofirmans PsJN during phytoremediation of diesel-contaminated soil. *International Biodeterioration and Biodegradation*, **2013**, 85, 331-336	4.8	64
141	Fenugreek a multipurpose crop: Potentialities and improvements. *Saudi Journal of Biological Sciences*, **2016**, 23, 300-10	4	61
140	Remediation of sewage and industrial effluent using bacterially assisted floating treatment wetlands vegetated with Typha domingensis. *Water Science and Technology*, **2016**, 74, 2192-2201	2.2	60
139	Treatment of the textile industry effluent in a pilot-scale vertical flow constructed wetland system augmented with bacterial endophytes. *Science of the Total Environment*, **2018**, 645, 966-973	10.2	59
138	Floating treatment wetlands as a suitable option for large-scale wastewater treatment. *Nature Sustainability*, **2019**, 2, 863-871	22.1	58
137	Advances in Elucidating Beneficial Interactions Between Plants, Soil, and Bacteria. *Advances in Agronomy*, **2013**, 381-445	7.7	57
136	Plant species affect colonization patterns and metabolic activity of associated endophytes during phytoremediation of crude oil-contaminated soil. *Environmental Science and Pollution Research*, **2016**, 23, 6188-96	5.1	55
135	Integrated perspectives on the use of bacterial endophytes in horizontal flow constructed wetlands for the treatment of liquid textile effluent: Phytoremediation advances in the field. *Journal of Environmental Management*, **2018**, 224, 387-395	7.9	55
134	Successful phytoremediation of crude-oil contaminated soil at an oil exploration and production company by plants-bacterial synergism. *International Journal of Phytoremediation*, **2018**, 20, 675-681	3.9	54
133	Floating Wetlands: A Sustainable Tool for Wastewater Treatment. *Clean - Soil, Air, Water*, **2018**, 46, 1800120	1.8	51
132	Enhancement of oil field-produced wastewater remediation by bacterially-augmented floating treatment wetlands. *Chemosphere*, **2019**, 217, 576-583	8.4	50
131	Inoculum pretreatment affects bacterial survival, activity and catabolic gene expression during phytoremediation of diesel contaminated soil. *Chemosphere*, **2013**, 91, 663-8	8.4	49
130	Large-scale remediation of oil-contaminated water using floating treatment wetlands. *Npj Clean Water*, **2019**, 2,	11.2	48
129	Combined use of alkane-degrading and plant growth-promoting bacteria enhanced phytoremediation of diesel contaminated soil. *International Journal of Phytoremediation*, **2014**, 16, 1268-77	3.9	47

128	Biodegradation of kerosene in soil by a mixed bacterial culture under different nutrient conditions. *International Biodeterioration and Biodegradation*, **2008**, 61, 161-166	4.8	44
127	Genetics and realized heritability of resistance to imidacloprid in a poultry population of house fly, Musca domestica L. (Diptera: Muscidae) from Pakistan. *Pesticide Biochemistry and Physiology*, **2014**, 114, 38-43	4.9	43
126	Plant-endophyte synergism in constructed wetlands enhances the remediation of tannery effluent. *Water Science and Technology*, **2018**, 77, 1262-1270	2.2	42
125	A novel survey of the ethno medicinal knowledge of dental problems in Manoor Valley (Northern Himalaya), Pakistan. *Journal of Ethnopharmacology*, **2016**, 194, 877-894	5	41
124	Ecology of bacterial endophytes associated with wetland plants growing in textile effluent for pollutant-degradation and plant growth-promotion potentials. *Plant Biosystems*, **2016**, 150, 1261-1270	1.6	38
123	Resistance in the mealybug Phenacoccus solenopsis Tinsley (Homoptera: Pseudococcidae) in Pakistan to selected organophosphate and pyrethroid insecticides. *Crop Protection*, **2014**, 66, 29-33	2.7	38
122	Enhanced removal of reactive navy blue dye using powdered orange waste. *Ecological Engineering*, **2013**, 58, 399-405	3.9	38
121	Assessment of Heavy Metal Contamination in Soil and Groundwater at Leather Industrial Area of Kasur, Pakistan. *Clean - Soil, Air, Water*, **2014**, 42, 1133-1139	1.6	38
120	Phragmites australis in combination with hydrocarbons degrading bacteria is a suitable option for remediation of diesel-contaminated water in floating wetlands. *Chemosphere*, **2020**, 240, 124890	8.4	38
119	Removal of pharmaceuticals and personal care products using constructed wetlands: effective plant-bacteria synergism may enhance degradation efficiency. *Environmental Science and Pollution Research*, **2019**, 26, 21109-21126	5.1	36
118	Enhanced degradation of phenol in floating treatment wetlands by plant-bacterial synergism. *International Journal of Phytoremediation*, **2018**, 20, 692-698	3.9	34
117	Influence of sub-lethal crude oil concentration on growth, water relations and photosynthetic capacity of maize (Zea mays L.) plants. *Environmental Science and Pollution Research*, **2016**, 23, 18320-31	5.1	34
116	- a helophytic grass - can establish successful partnership with phenol-degrading bacteria in a floating treatment wetland. *Saudi Journal of Biological Sciences*, **2019**, 26, 1179-1186	4	34
115	Bacterial endophytes enhance phytostabilization in soils contaminated with uranium and lead. *International Journal of Phytoremediation*, **2017**, 19, 937-946	3.9	32
114	Remediation of textile bleaching effluent by bacterial augmented horizontal flow and vertical flow constructed wetlands: A comparison at pilot scale. *Science of the Total Environment*, **2019**, 685, 370-379	10.2	32
113	Role of Microorganisms in the Remediation of Wastewater in Floating Treatment Wetlands: A Review. *Sustainability*, **2020**, 12, 5559	3.6	32
112	Endophytic Burkholderia sp. strain PsJN Improves Plant Growth and Phytoremediation of Soil Irrigated with Textile Effluent. *Clean - Soil, Air, Water*, **2014**, 42, 1304-1310	1.6	31
111	Paper and board mill effluent treatment with the combined biological-coagulation-filtration pilot scale reactor. *Bioresource Technology*, **2008**, 99, 7383-7	11	31

110	Comparing the performance of four macrophytes in bacterial assisted floating treatment wetlands for the removal of trace metals (Fe, Mn, Ni, Pb, and Cr) from polluted river water. *Chemosphere*, **2020**, 243, 125353	8.4	28
109	Enhanced remediation of chlorpyrifos by ryegrass (Lolium multiflorum) and a chlorpyrifos degrading bacterial endophyte Mezorhizobium sp. HN3. *International Journal of Phytoremediation*, **2016**, 18, 126-33	3.9	27
108	Potentialities of floating wetlands for the treatment of polluted water of river Ravi, Pakistan. *Ecological Engineering*, **2019**, 133, 167-176	3.9	26
107	Remediation of polluted river water by floating treatment wetlands. *Water Science and Technology: Water Supply*, **2019**, 19, 967-977	1.4	25
106	Genetics and preliminary mechanism of chlorpyrifos resistance in Phenacoccus solenopsis Tinsley (Homoptera: Pseudococcidae). *Pesticide Biochemistry and Physiology*, **2015**, 119, 42-7	4.9	24
105	Ecology of Alkane-Degrading Bacteria and Their Interaction with the Plant **2013**, 975-989		23
104	Bioaugmentation of floating treatment wetlands for the remediation of textile effluent. *Water and Environment Journal*, **2019**, 33, 124-134	1.7	23
103	Bacterial Augmented Floating Treatment Wetlands for Efficient Treatment of Synthetic Textile Dye Wastewater. *Sustainability*, **2020**, 12, 3731	3.6	21
102	Post-exposure temperature influence on the toxicity of conventional and new chemistry insecticides to green lacewing Chrysoperla carnea (Stephens) (Neuroptera: Chrysopidae). *Saudi Journal of Biological Sciences*, **2015**, 22, 317-21	4	20
101	Improving vanadium stress tolerance of watermelon by grafting onto bottle gourd and pumpkin rootstock. *Plant Growth Regulation*, **2018**, 85, 41-56	3.2	20
100	Resistance of green lacewing, Chrysoperla carnea Stephens to nitenpyram: Cross-resistance patterns, mechanism, stability, and realized heritability. *Pesticide Biochemistry and Physiology*, **2017**, 135, 59-63	4.9	19
99	Insecticide toxic effects and blood biochemical alterations in occupationally exposed individuals in Punjab, Pakistan. *Science of the Total Environment*, **2019**, 655, 102-111	10.2	19
98	Physiological and biochemical responses of two spring wheat genotypes to non-hydraulic root-to-shoot signalling of partial and full root-zone drought stress. *Plant Physiology and Biochemistry*, **2019**, 139, 11-20	5.4	18
97	Laboratory selection of chlorpyrifos resistance in an Invasive Pest, Phenacoccus solenopsis (Homoptera: Pseudococcidae): Cross-resistance, stability and fitness cost. *Pesticide Biochemistry and Physiology*, **2017**, 137, 8-14	4.9	18
96	Inheritance, realized heritability and biochemical mechanism of acetamiprid resistance in the cotton mealybug, Phenacoccus solenopsis Tinsley (Homoptera: Pseudococcidae). *Pesticide Biochemistry and Physiology*, **2015**, 122, 44-9	4.9	18
95	Effects of Inoculum Density on Plant Growth and Hydrocarbon Degradation. *Pedosphere*, **2016**, 26, 774-778		17
94	Laboratory induced bifenthrin resistance selection in Oxycarenus hyalinipennis (Costa) (Hemiptera: Lygaeidae): Stability, cross-resistance, dominance and effects on biological fitness. *Crop Protection*, **2020**, 132, 105107	2.7	16
93	Bioremediation of tannery effluent by Cr- and salt-tolerant bacterial strains. *Environmental Monitoring and Assessment*, **2018**, 190, 716	3.1	16

92	Floating treatment wetlands as biological buoyant filters for wastewater reclamation. *International Journal of Phytoremediation*, **2019**, 21, 1273-1289	3.9	15
91	Unveiling the Potential of Novel Macrophytes for the Treatment of Tannery Effluent in Vertical Flow Pilot Constructed Wetlands. *Water (Switzerland)*, **2020**, 12, 549	3	15
90	Genome-wide expression profiling of leaves and roots of watermelon in response to low nitrogen. *BMC Genomics*, **2018**, 19, 456	4.5	15
89	Plant-bacteria synergism: An innovative approach for the remediation of crude oil-contaminated soils. *Soil and Environment*, **2017**, 36, 93-113	2.5	15
88	Constructed wetlands as a sustainable technology for wastewater treatment with emphasis on chromium-rich tannery wastewater. *Journal of Hazardous Materials*, **2022**, 422, 126926	12.8	15
87	Resistance risk assessment to chlorpyrifos and cross-resistance to other insecticides in a field strain of Phenacoccus solenopsis Tinsley. *Crop Protection*, **2017**, 94, 38-43	2.7	14
86	Heavy metal exposure through artificial diet reduces growth and survival of Spodoptera litura (Lepidoptera: Noctuidae). *Environmental Science and Pollution Research*, **2019**, 26, 14426-14434	5.1	14
85	Deltamethrin resistance in the cotton mealybug, Phenacoccus solenopsis Tinsley: Cross-resistance to other insecticides, fitness cost analysis and realized heritability. *Phytoparasitica*, **2016**, 44, 83-90	1.5	14
84	Removal of hexadecane by hydroponic root mats in partnership with alkane-degrading bacteria: bacterial augmentation enhances system performance. *International Journal of Environmental Science and Technology*, **2019**, 16, 4611-4620	3.3	14
83	Characterization of indoxacarb resistance in Phenacoccus solenopsis Tinsley (Homoptera: Pseudococcidae): Cross-resistance, stability and fitness cost. *Journal of Asia-Pacific Entomology*, **2015**, 18, 779-785	1.4	13
82	Augmentation with potential endophytes enhances phytostabilization of Cr in contaminated soil. *Environmental Science and Pollution Research*, **2018**, 25, 7021-7032	5.1	13
81	Resistance risk analysis to acetamiprid and other insecticides in Acetamiprid-Selected population of Phenacoccus solenopsis. *Phytoparasitica*, **2016**, 44, 177-186	1.5	13
80	Two-Spotted Ladybeetle Adalia bipunctata L. (Coleoptera: Coccinellidae): A Commercially Available Predator to Control Asian Citrus Psyllid Diaphorina citri (Hemiptera: Liviidae). *PLoS ONE*, **2016**, 11, e0162843	3.7	13
79	Characterization of Hydrocarbon-Degrading Bacteria in Constructed Wetland Microcosms Used to Treat Crude Oil Polluted Water. *Bulletin of Environmental Contamination and Toxicology*, **2019**, 102, 358-364	2.7	13
78	First report of thiamethoxam resistance selection, cross resistance to various insecticides and realized heritability in Asian citrus psyllid Diaphorina citri from Pakistan. *Crop Protection*, **2019**, 121, 11-17	2.7	12
77	Genetics, realized heritability and preliminary mechanism of spinosad resistance in Phenacoccus solenopsis Tinsley (Homoptera: Pseudococcidae): an invasive pest from Pakistan. *Genetica*, **2015**, 143, 741-9	1.5	12
76	Selection of bifenthrin resistance in cotton mealybug Phenacoccus solenopsis Tinsley (Homoptera: Pseudococcidae): Cross-resistance, realized heritability and possible resistance mechanism. *Crop Protection*, **2016**, 87, 55-59	2.7	12
75	Genome-Wide Analysis of Potassium Transport-Related Genes in Chickpea (Cicer arietinum L.) and Their Role in Abiotic Stress Responses. *Plant Molecular Biology Reporter*, **2018**, 36, 451-468	1.7	12

74	Variations in the Composition, Antibacterial and Haemolytic Activities of Peel Essential Oils from Unripe and Ripened Citrus limon (L.) Osbeck Fruit. *Journal of Essential Oil-bearing Plants: JEOP*, **2019**, 22, 159-168	1.7	11
73	Simultaneous selection for stem borer resistance and forage related traits in maize (Zea mays ssp. mays L.) teosinte (Zea mays ssp. mexicana L.) derived populations. *Crop Protection*, **2014**, 57, 27-34	2.7	11
72	Enhanced remediation of tannery effluent in constructed wetlands augmented with endophytic bacteria102, 93-100		11
71	Implementation of Floating Treatment Wetlands for Textile Wastewater Management: A Review. *Sustainability*, **2020**, 12, 5801	3.6	11
70	Botanicals, selective insecticides, and predators to control Diaphorina citri (Hemiptera: Liviidae) in citrus orchards. *Insect Science*, **2014**, 21, 717-26	3.6	10
69	Phytochemical Spectrum of Essential Oil of Paganum harmala by GC-MS and Antimicrobial Activity Using Sequential Solvents Fractions and Essential Oil. *Asian Journal of Chemistry*, **2014**, 26, 574-578	0.4	10
68	Effective plant-endophyte interplay can improve the cadmium hyperaccumulation in Brachiaria mutica. *World Journal of Microbiology and Biotechnology*, **2019**, 35, 188	4.4	10
67	Occurrence and seasonal variation of human Plasmodium infection in Punjab Province, Pakistan. *BMC Infectious Diseases*, **2019**, 19, 935	4	9
66	Endophytic Cephalotheca sulfurea AGH07 reprograms soybean to higher growth. *Journal of Plant Interactions*, **2012**, 7, 301-306	3.8	9
65	Graphical dataset on important medicinal plants used for curing dental issues in Manoor Valley, Mansehra, Pakistan. *Data in Brief*, **2016**, 9, 1028-1033	1.2	9
64	Genetic analysis, realized heritability and synergistic suppression of indoxacarb resistance in Phenacoccus solenopsis Tinsley (Homoptera: Pseudococcidae). *Crop Protection*, **2016**, 84, 62-68	2.7	9
63	Laboratory selection, cross-resistance, and estimations of realized heritability of indoxacarb resistance in Phenacoccus solenopsis (Homoptera: Pseudococcidae). *Pest Management Science*, **2020**, 76, 161-168	4.6	9
62	Organic Micropollutants in the Environment: Ecotoxicity Potential and Methods for Remediation **2017**, 65-99		8
61	Suppressing photorespiration for the improvement in photosynthesis and crop yields: A review on the role of S-allantoin as a nitrogen source. *Journal of Environmental Management*, **2019**, 237, 644-651	7.9	8
60	Cyperus laevigatus L. Enhances Diesel Oil Remediation in Synergism with Bacterial Inoculation in Floating Treatment Wetlands. *Sustainability*, **2020**, 12, 2353	3.6	8
59	Studies on genetics, stability and possible mechanism of deltamethrin resistance in Phenacoccus solenopsis Tinsley (Homoptera: Pseudococcidae) from Pakistan. *Journal of Genetics*, **2016**, 95, 1009-1016	1.2	8
58	Ecology and Functional Potential of Endophytes in Bioremediation: A Molecular Perspective **2014**, 301-320		8
57	Selection, cross-resistance, and resistance risk assessment to deltamethrin in laboratory selected Phenacoccus solenopsis (Homoptera: Pseudococcidae). *Crop Protection*, **2018**, 112, 67-73	2.7	8

56	Spinosad resistance selected in the laboratory strain of Phenacoccus solenopsis Tinsley (Hemiptera: Pseudococcidae): studies on risk assessment and cross-resistance patterns. *Phytoparasitica*, **2019**, 47, 531-542	1.5	7
55	Field evaluation of selected botanicals and commercial synthetic insecticides against Thrips tabaci Lindeman (Thysanoptera: Thripidae) populations and predators in onion field plots. *Crop Protection*, **2014**, 62, 10-15	2.7	7
54	Effect of botanicals and synthetic insecticides on Pieris brassicae (L., 1758) (Lepidoptera: Pieridae). *Turkiye Entomoloji Dergisi*,275-284	0.5	7
53	Evaluating bioenergy potential of the Para grass (Brachiaria mutica) biomass produced on a land-free cultivation system while keeping the water-energy-environment nexus sustainable. *Energy Conversion and Management*, **2021**, 245, 114590	10.6	7
52	Effects of plant morphology on the incidence of sucking insect pests complex in few genotypes of cotton. *Journal of the Saudi Society of Agricultural Sciences*, **2017**, 16, 344-349	3.3	6
51	Current status and future possibilities of molecular genetics techniques in Brassica napus. *Biotechnology Letters*, **2018**, 40, 479-492	3	6
50	Prevalence and distribution of human Plasmodium infection in Federally Administrative Tribal Areas of Pakistan. *Acta Parasitologica*, **2016**, 61, 537-43	1.7	6
49	Determination of insecticide residues and their adverse effects on blood profile of occupationally exposed individuals. *Ecotoxicology and Environmental Safety*, **2018**, 163, 382-390	7	6
48	Seasonal abundance of greater wax moths (Galleria mellonella L.) in hives of western honey bees (Apis mellifera L.) correlates with minimum and maximum ambient temperature. *Journal of Apicultural Research*, **2017**, 56, 416-420	2	6
47	Antimicrobial Activity of Extract and Fractions of Different Parts and GC-MS Profiling of Essential Oil of Cichorium intybus Extracted by Super Critical Fluid Extraction. *Asian Journal of Chemistry*, **2014**, 26, 531-536	0.4	6
46	Assessing Heavy Metal Contamination in Oil and Gas Well Drilling Waste and Soil in Pakistan. *Polish Journal of Environmental Studies*, **2018**, 28, 785-793	2.3	6
45	Algae Biotechnology **2017**, 301-334		5
44	Enhanced degradation of hydrocarbons by gamma ray induced mutant strain of Pseudomonas putida. *Biotechnology Letters*, **2019**, 41, 391-399	3	5
43	Spinosad resistance in an invasive cotton mealybug, Phenacoccus solenopsis: Cross-resistance, stability and relative fitness. *Journal of Asia-Pacific Entomology*, **2017**, 20, 457-462	1.4	4
42	Fipronil resistance in pink stem borer, Sesamia inferens (Walker) (Lepidoptera: Noctuidae) from Pakistan: Cross-resistance, genetics and realized heritability. *Crop Protection*, **2019**, 120, 103-108	2.7	4
41	Enhanced remediation of Cr6+ in bacterial-assisted floating wetlands. *Water and Environment Journal*, **2020**, 34, 970-978	1.7	4
40	The efficacy of crude aqueous extracts of some plants as grain protectants against the stored grain mite, Rhizoglyphus tritici. *Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry*, **2013**, 37, 585-594	2.2	4
39	Reuse of wastewater for irrigating tomato plants (Lycopersicon esculentum L.) through silicon supplementation. *Journal of Water Reuse and Desalination*, **2013**, 3, 128-139	2.6	4

38	Field Efficacy of Selected Synthetic and Botanical Insecticides against Lepidopterous Borers, Earias vittella and Helicoverpa armigera (Lepidoptera: Noctuidae), on Okra (Abelmoschus esculentus (L.) Moench). *Pakistan Journal of Zoology*, **2018**, 50,	1.7	4
37	Host Plant Selection Affects Biological Parameters in Armyworm, Spodoptera litura (Lepidoptera: Noctuidae). *Pakistan Journal of Zoology*, **2019**, 51,	1.7	4
36	In-vitro Toxicity Evaluation of some Phytoextracts against Mealybug Drosicha mangiferae (Hemiptera: Pseudococcidae) Infesting Citrus Orchards in Pakistan. *Pakistan Journal of Zoology*, **2019**, 51,	1.7	4
35	Incidence ofSpodoptera litura(Lepidoptera: Noctuidae) and Its Feeding Potential on Various Citrus (Sapindales: Rutaceae) Cultivars in the Sargodha Region of Pakistan. *Florida Entomologist*, **2016**, 99, 192-195	1	4
34	Evaluation of Toxicity on Ctenopharyngodon idella Due to Tannery Effluent Remediated by Constructed Wetland Technology. *Processes*, **2020**, 8, 612	2.9	3
33	Presence of less-preferred hosts of the aphid parasitoids Aphidius ervi and Praon volucre reduces parasitism efficiency. *Phytoparasitica*, **2018**, 46, 89-96	1.5	3
32	Physiological Effects of Citrus Leafminer Phyllocnistis citrella (Lepidoptera: Gracillariidae) Larval Feeding on Photosynthetic and Gaseous Exchange Rates in Citrus. *Journal of Economic Entomology*, **2018**, 111, 2264-2271	2.2	3
31	Feeding preferences of Odontotermes obesus (Rambur) (Isoptera: Termitidae) on different commercial and non-commercial woods from Lahore, Pakistan, under laboratory and field conditions. *Zoology and Ecology*, **2014**, 24, 369-379	0.2	3
30	Resistance of Commercial and Non-commercial Woods against Heterotermes indicola Wasmann (Blattodea: Rhinotermitidae) in Laboratory and Field Conditions. *Pakistan Journal of Zoology*, **2017**, 49, 785-792	1.7	3
29	Biodiversity and Species Distribution of Coccinellids (Coccinellidae: Coleoptera) in District Sargodha (Punjab), Pakistan. *Pakistan Journal of Zoology*, **2017**, 49,	1.7	3
28	Bioaugmentation-Enhanced Remediation of Crude Oil Polluted Water in Pilot-Scale Floating Treatment Wetlands. *Water (Switzerland)*, **2021**, 13, 2882	3	3
27	Bacterial bioaugmentation enhances hydrocarbon degradation, plant colonization and gene expression in diesel-contaminated soil. *Physiologia Plantarum*, **2021**, 173, 58-66	4.6	3
26	Effects of different host species on the life history of Bracon hebetor. *Animal Biology*, **2016**, 66, 403-414	0.7	3
25	Association of citrus leafminer Phyllocnistis citrella (Lepidoptera: Gracillariidae) damage with physiological parameters and larval weight in Citrus reticulata. *International Journal of Tropical Insect Science*, **2018**, 38, 26-32	1	3
24	Status of insecticide resistance in Plutella xylostella (Linnaeus) (Lepidoptera: Plutellidae) from 1997 to 2019: cross-resistance, genetics, biological costs, underlying mechanisms, and implications for management. *Phytoparasitica*,1	1.5	3
23	Effect of Intra-Guild Predation and Sub Lethal Concentrations of Insecticides on the Predation of Coccinellids. *Pakistan Journal of Zoology*, **2019**, 51,	1.7	2
22	Differential Impact of Different Land-Use Types on the Population Density and Community Assemblages of Edaphic Macroinvertebrates in District Sargodha, Punjab, Pakistan. *Pakistan Journal of Zoology*, **2018**, 50,	1.7	2
21	Plant-Microbe Synergism in Floating Treatment Wetlands for the Enhanced Removal of Sodium Dodecyl Sulphate from Water. *Sustainability*, **2021**, 13, 2883	3.6	2

20	Investigating degradation metabolites and underlying pathway of azo dye Reactive Black 5 in bioaugmented floating treatment wetlands		2
19	Effectiveness and benefit cost ratio of selected insecticides at different applicationon intervals for brinjal shoot and fruit borer, Leucinodes orbonalis (G.) management on brinjal, Solanum melongena (L.) at Sahiwal, Pakistan. *Phytoparasitica*, **2016**, 44, 423-427	1.5	2
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17	Fipronil enhanced natural occurrence of Fusarium solani (Hypocreales: Nectriaceae) on building infesting termite Heterotermes indicola Wasmann (Blattodea: Rhinotermitidae). *Journal of Asia-Pacific Entomology*, **2018**, 21, 493-500	1.4	1
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