Muhammad Babar Shahzad Afzal

List of Publications by Year in Descending Order

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	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
162	Operational parameters optimization for remediation of crude oil-polluted water in floating treatment wetlands using response surface methodology.. *Scientific Reports*, **2022**, 12, 4566	4.9	0
161	Elucidating the Potential of Vertical Flow-Constructed Wetlands Vegetated with Different Wetland Plant Species for the Remediation of Chromium-Contaminated Water. *Sustainability*, **2022**, 14, 5230	3.6	1
160	Soil-free cultivation of Leptochloa fusca in the urban and industrial wastewaters produced a low-lignin biomass for bioethanol production. *Sustainable Energy Technologies and Assessments*, **2022**, 52, 102305	4.7	
159	Induced systemic tolerance mediated by plant-microbe interaction in maize (Zea mays L.) plants under hydrocarbon contamination.. *Chemosphere*, **2021**, 290, 133327	8.4	0
158	Bioaugmentation-Enhanced Remediation of Crude Oil Polluted Water in Pilot-Scale Floating Treatment Wetlands. *Water (Switzerland)*, **2021**, 13, 2882	3	3
157	Bacterial bioaugmentation enhances hydrocarbon degradation, plant colonization and gene expression in diesel-contaminated soil. *Physiologia Plantarum*, **2021**, 173, 58-66	4.6	3
156	Plant-Microbe Synergism in Floating Treatment Wetlands for the Enhanced Removal of Sodium Dodecyl Sulphate from Water. *Sustainability*, **2021**, 13, 2883	3.6	2
155	Investigating degradation metabolites and underlying pathway of azo dye "Reactive Black 5" in bioaugmented floating treatment wetlands. *Environmental Science and Pollution Research*, **2021**, 28, 65229-65242	5.1	1
154	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
153	Enhanced degradation of hydrocarbons in constructed wetlands aided with nutrients, surfactant, and aeration.. *International Journal of Phytoremediation*, **2021**, 1-10	3.9	
152	Cyperus laevigatus L. Enhances Diesel Oil Remediation in Synergism with Bacterial Inoculation in Floating Treatment Wetlands. *Sustainability*, **2020**, 12, 2353	3.6	8
151	Evaluation of Toxicity on Ctenopharyngodon idella Due to Tannery Effluent Remediated by Constructed Wetland Technology. *Processes*, **2020**, 8, 612	2.9	3
150	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
149	Enhanced remediation of Cr6+ in bacterial-assisted floating wetlands. *Water and Environment Journal*, **2020**, 34, 970-978	1.7	4
148	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
147	Bacterial Augmented Floating Treatment Wetlands for Efficient Treatment of Synthetic Textile Dye Wastewater. *Sustainability*, **2020**, 12, 3731	3.6	21

146	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
145	Implementation of Floating Treatment Wetlands for Textile Wastewater Management: A Review. *Sustainability*, **2020**, 12, 5801	3.6	11
144	Role of Microorganisms in the Remediation of Wastewater in Floating Treatment Wetlands: A Review. *Sustainability*, **2020**, 12, 5559	3.6	32
143	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
142	Bitrophic effects of artificial diets of American bollworm (Helicoverpa armigera H.) on different biological aspects of Bracon hebetor Say. *Journal of the Saudi Society of Agricultural Sciences*, **2020**, 19, 26-30	3.3	
141	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
140	Sublethal Effect of Six Insecticides on Predatory Activity and Survival of Coccinella Septempunctata (Coleoptera: Coccinellidae) Following Contact with Contaminated Prey and Residues. *Gesunde Pflanzen*, **2020**, 72, 77-86	1.9	2
139	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
138	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
137	Large-scale remediation of oil-contaminated water using floating treatment wetlands. *Npj Clean Water*, **2019**, 2,	11.2	48
136	Floating treatment wetlands as biological buoyant filters for wastewater reclamation. *International Journal of Phytoremediation*, **2019**, 21, 1273-1289	3.9	15
135	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
134	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
133	Potentialities of floating wetlands for the treatment of polluted water of river Ravi, Pakistan. *Ecological Engineering*, **2019**, 133, 167-176	3.9	26
132	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
131	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
130	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
129	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

128	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
127	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
126	Floating treatment wetlands as a suitable option for large-scale wastewater treatment. *Nature Sustainability*, **2019**, 2, 863-871	22.1	58
125	Occurrence and seasonal variation of human Plasmodium infection in Punjab Province, Pakistan. *BMC Infectious Diseases*, **2019**, 19, 935	4	9
124	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
123	Host Plant Selection Affects Biological Parameters in Armyworm, Spodoptera litura (Lepidoptera: Noctuidae). *Pakistan Journal of Zoology*, **2019**, 51,	1.7	4
122	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
121	Effect of Neem-Based Botanicals and Abamectin 1.8% EC Against Phyllocnistis citrella1 in Citrus reticulata (Rutaceae) Nursery Plantations. *Southwestern Entomologist*, **2019**, 44, 595	0.3	
120	Effective plant-endophyte interplay can improve the cadmium hyperaccumulation in Brachiaria mutica. *World Journal of Microbiology and Biotechnology*, **2019**, 35, 188	4.4	10
119	Remediation of polluted river water by floating treatment wetlands. *Water Science and Technology: Water Supply*, **2019**, 19, 967-977	1.4	25
118	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
117	Enhanced degradation of hydrocarbons by gamma ray induced mutant strain of Pseudomonas putida. *Biotechnology Letters*, **2019**, 41, 391-399	3	5
116	Enhancement of oil field-produced wastewater remediation by bacterially-augmented floating treatment wetlands. *Chemosphere*, **2019**, 217, 576-583	8.4	50
115	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
114	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
113	Bioaugmentation of floating treatment wetlands for the remediation of textile effluent. *Water and Environment Journal*, **2019**, 33, 124-134	1.7	23
112	- 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
111	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

110	Improving vanadium stress tolerance of watermelon by grafting onto bottle gourd and pumpkin rootstock. *Plant Growth Regulation*, **2018**, 85, 41-56	3.2	20
109	Current status and future possibilities of molecular genetics techniques in Brassica napus. *Biotechnology Letters*, **2018**, 40, 479-492	3	6
108	Augmentation with potential endophytes enhances phytostabilization of Cr in contaminated soil. *Environmental Science and Pollution Research*, **2018**, 25, 7021-7032	5.1	13
107	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
106	Plant-endophyte synergism in constructed wetlands enhances the remediation of tannery effluent. *Water Science and Technology*, **2018**, 77, 1262-1270	2.2	42
105	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
104	Enhanced degradation of phenol in floating treatment wetlands by plant-bacterial synergism. *International Journal of Phytoremediation*, **2018**, 20, 692-698	3.9	34
103	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
102	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
101	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
100	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
99	Genome-wide expression profiling of leaves and roots of watermelon in response to low nitrogen. *BMC Genomics*, **2018**, 19, 456	4.5	15
98	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
97	Floating Wetlands: A Sustainable Tool for Wastewater Treatment. *Clean - Soil, Air, Water*, **2018**, 46, 1800120	1.20	51
96	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
95	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
94	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
93	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

92	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
91	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
90	Bacterial lipases: A review on purification and characterization. *Progress in Biophysics and Molecular Biology*, **2018**, 132, 23-34	4.7	142
89	Bioremediation of tannery effluent by Cr- and salt-tolerant bacterial strains. *Environmental Monitoring and Assessment*, **2018**, 190, 716	3.1	16
88	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
87	Plant-bacteria partnerships for the remediation of persistent organic pollutants. *Environmental Science and Pollution Research*, **2017**, 24, 4322-4336	5.1	126
86	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
85	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
84	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
83	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
82	Organic Micropollutants in the Environment: Ecotoxicity Potential and Methods for Remediation **2017**, 65-99		8
81	Bacterial endophytes enhance phytostabilization in soils contaminated with uranium and lead. *International Journal of Phytoremediation*, **2017**, 19, 937-946	3.9	32
80	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
79	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
78	Algae Biotechnology **2017**, 301-334		5
77	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
76	Biodiversity and Species Distribution of Coccinellids (Coccinellidae: Coleoptera) in District Sargodha (Punjab), Pakistan. *Pakistan Journal of Zoology*, **2017**, 49,	1.7	3
75	Plant-bacteria synergism: An innovative approach for the remediation of crude oil-contaminated soils. *Soil and Environment*, **2017**, 36, 93-113	2.5	15

74	Fenugreek a multipurpose crop: Potentialities and improvements. *Saudi Journal of Biological Sciences*, **2016**, 23, 300-10	4	61
73	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
72	Phytoremediation: recent advances in plant-endophytic synergistic interactions. *Plant and Soil*, **2016**, 405, 179-195	4.2	81
71	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
70	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
69	Prevalence and distribution of human Plasmodium infection in Federally Administrative Tribal Areas of Pakistan. *Acta Parasitologica*, **2016**, 61, 537-43	1.7	6
68	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
67	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
66	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
65	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
64	Resistance risk analysis to acetamiprid and other insecticides in Acetamiprid-Selected population of Phenacoccus solenopsis. *Phytoparasitica*, **2016**, 44, 177-186	1.5	13
63	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
62	Effect of Amendments on Bioavailability of Heavy Metals to Alfalfa and Biomass Yield Irrigated with Wastewater. *Journal of Environmental Engineering, ASCE*, **2016**, 142, 04016038	2	1
61	First record of Amblyseiulella paraheveae (Wu & Ou, 2002) from Pakistan. *International Journal of Acarology*, **2016**, 42, 56-61	0.6	
60	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
59	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
58	Effects of different host species on the life history of Bracon hebetor. *Animal Biology*, **2016**, 66, 403-414	0.7	3
57	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

56	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
55	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
54	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
53	Effects of Inoculum Density on Plant Growth and Hydrocarbon Degradation. *Pedosphere*, **2016**, 26, 774-778	3	17
52	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
51	Genetics and preliminary mechanism of chlorpyrifos resistance in Phenacoccus solenopsis Tinsley (Homoptera: Pseudococcidae). *Pesticide Biochemistry and Physiology*, **2015**, 119, 42-7	4.9	24
50	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
49	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
48	Enhanced remediation of sewage effluent by endophyte-assisted floating treatment wetlands. *Ecological Engineering*, **2015**, 84, 58-66	3.9	93
47	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
46	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
45	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
44	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
43	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
42	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
41	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
40	Subfamily Coleoscirinae (Acari: Trombidiformes: Cunaxidae), with Description of One New Species from Pakistan. *Journal of Insect Science*, **2014**, 14, 1-14	2	
39	Endophytic bacteria: prospects and applications for the phytoremediation of organic pollutants. *Chemosphere*, **2014**, 117, 232-42	8.4	251

38	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
37	Botanicals, selective insecticides, and predators to control Diaphorina citri (Hemiptera: Liviidae) in citrus orchards. *Insect Science*, **2014**, 21, 717-26	3.6	10
36	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
35	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
34	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
33	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
32	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
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	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
29	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
28	Ecology and Functional Potential of Endophytes in Bioremediation: A Molecular Perspective **2014**, 301-320		8
27	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
26	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
25	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
24	Bio-Efficacy of New Insecticides Against Whitefly, Bemisia tabaci (Genn.) on Cotton, Bt-121. *Pakistan Journal of Nutrition*, **2014**, 13, 340-343	0.3	1
23	Relative Efficacy of Different Insecticides Against Jassid, Amrasca devastans (Dist.) on Cotton, Bt-121. *Pakistan Journal of Nutrition*, **2014**, 13, 344-347	0.3	
22	Advances in Elucidating Beneficial Interactions Between Plants, Soil, and Bacteria. *Advances in Agronomy*, **2013**, 381-445	7.7	57
21	Enhanced removal of reactive navy blue dye using powdered orange waste. *Ecological Engineering*, **2013**, 58, 399-405	3.9	38

20	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
19	Plant-bacteria partnerships for the remediation of hydrocarbon contaminated soils. *Chemosphere*, **2013**, 90, 1317-32	8.4	266
18	Inoculum pretreatment affects bacterial survival, activity and catabolic gene expression during phytoremediation of diesel contaminated soil. *Chemosphere*, **2013**, 91, 663-8	8.4	49
17	Ecology of Alkane-Degrading Bacteria and Their Interaction with the Plant **2013**, 975-989		23
16	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
15	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
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4	Enhanced remediation of tannery effluent in constructed wetlands augmented with endophytic bacteria102, 93-100		11
3	Investigating degradation metabolites and underlying pathway of azo dye Reactive Black 5 in bioaugmented floating treatment wetlands		2

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