

Ravinder K Kohli

List of Publications by Year in descending order

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161
papers

7,982
citations

47006

47
h-index

58581

82
g-index

167
all docs

167
docs citations

167
times ranked

6262
citing authors

#	ARTICLE	IF	CITATIONS
1	Eucalyptus essential oil as a natural pesticide. <i>Forest Ecology and Management</i> , 2008, 256, 2166-2174.	3.2	592
2	Chromium toxicity and tolerance in plants. <i>Environmental Chemistry Letters</i> , 2013, 11, 229-254.	16.2	461
3	Allelopathic Interactions and Allelochemicals: New Possibilities for Sustainable Weed Management. <i>Critical Reviews in Plant Sciences</i> , 2003, 22, 239-311.	5.7	286
4	Arsenic-induced root growth inhibition in mung bean (<i>Phaseolus aureus</i> Roxb.) is due to oxidative stress resulting from enhanced lipid peroxidation. <i>Plant Growth Regulation</i> , 2007, 53, 65-73.	3.4	274
5	Autotoxicity: Concept, Organisms, and Ecological Significance. <i>Critical Reviews in Plant Sciences</i> , 1999, 18, 757-772.	5.7	265
6	Â-Pinene Inhibits Growth and Induces Oxidative Stress in Roots. <i>Annals of Botany</i> , 2006, 98, 1261-1269.	2.9	241
7	Nitric oxide (as sodium nitroprusside) supplementation ameliorates Cd toxicity in hydroponically grown wheat roots. <i>Environmental and Experimental Botany</i> , 2008, 63, 158-167.	4.2	225
8	Nitric oxide alleviates arsenic toxicity by reducing oxidative damage in the roots of <i>Oryza sativa</i> (rice). <i>Nitric Oxide - Biology and Chemistry</i> , 2009, 20, 289-297.	2.7	214
9	Status, invasiveness and environmental threats of three tropical American invasive weeds (<i>Parthenium hysterophorus</i> L., <i>Ageratum conyzoides</i> L., <i>Lantana camara</i> L.) in India. <i>Biological Invasions</i> , 2006, 8, 1501-1510.	2.4	208
10	Essential Oil of <i>Artemisia scoparia</i> Inhibits Plant Growth by Generating Reactive Oxygen Species and Causing Oxidative Damage. <i>Journal of Chemical Ecology</i> , 2009, 35, 154-162.	1.8	125
11	Tolerance and hyperaccumulation of cadmium by a wild, unpalatable herb <i>Coronopus didymus</i> (L.) Sm. (<i>Brassicaceae</i>). <i>Ecotoxicology and Environmental Safety</i> , 2017, 135, 209-215.	6.0	124
12	Phytotoxic effects of volatile oil from <i>Artemisia scoparia</i> against weeds and its possible use as a bioherbicide. <i>Industrial Crops and Products</i> , 2010, 32, 54-61.	5.2	116
13	Herbicidal activity of volatile oils from <i>Eucalyptus citriodora</i> against <i>Parthenium hysterophorus</i> . <i>Annals of Applied Biology</i> , 2005, 146, 89-94.	2.5	115
14	Caffeic acid affects early growth, and morphogenetic response of hypocotyl cuttings of mung bean (<i>Phaseolus aureus</i>). <i>Journal of Plant Physiology</i> , 2008, 165, 297-305.	3.5	108
15	Effect of lead on oxidative status, antioxidative response and metal accumulation in <i>Coronopus didymus</i> . <i>Plant Physiology and Biochemistry</i> , 2016, 105, 290-296.	5.8	106
16	Comparative phytotoxicity of four monoterpenes against <i>Cassia occidentalis</i> . <i>Annals of Applied Biology</i> , 2002, 141, 111-116.	2.5	102
17	Phenolic allelochemicals released by <i>Chenopodium murale</i> affect the growth, nodulation and macromolecule content in chickpea and pea. <i>Plant Growth Regulation</i> , 2007, 51, 119-128.	3.4	102
18	Phytotoxicity of lemon-scented eucalypt oil and its potential use as a bioherbicide. <i>Crop Protection</i> , 2004, 23, 1209-1214.	2.1	95

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19	Allelopathy in Agroecosystems. The Journal of Crop Improvement: Innovations in Practiceory and Research, 2001, 4, 1-41.	0.4	94
20	2-Benzoxazolinone (BOA) induced oxidative stress, lipid peroxidation and changes in some antioxidant enzyme activities in mung bean (<i>Phaseolus aureus</i>). Plant Physiology and Biochemistry, 2006, 44, 819-827.	5.8	92
21	Allelopathy and Its Implications in Agroecosystems. The Journal of Crop Improvement: Innovations in Practiceory and Research, 1997, 1, 169-202.	0.4	84
22	Antifungal activity of the volatile oil of <i>Eucalyptus citriodora</i> . Fytoterapia, 2002, 73, 261-262.	2.2	83
23	Phytotoxic effects of <i>Parthenium hysterophorus</i> residues on three Brassica species. Weed Biology and Management, 2005, 5, 105-109.	1.4	81
24	Assessment of in vitro antioxidant activity of essential oil of <i>Eucalyptus citriodora</i> (lemon-scented). Journal of Agricultural and Food Chemistry, 2004, 52, 1079-1083.	5.2	79
25	Phytotoxicity and cytotoxicity of <i>Citrus aurantiifolia</i> essential oil and its major constituents: Limonene and citral. Industrial Crops and Products, 2017, 108, 708-715.	5.2	78
26	Exogenous Nitric Oxide (NO) Interferes with Lead (Pb)-Induced Toxicity by Detoxifying Reactive Oxygen Species in Hydroponically Grown Wheat (<i>Triticum aestivum</i>) Roots. PLoS ONE, 2015, 10, e0138713.	2.5	77
27	Assessment of allelopathic properties of <i>Parthenium hysterophorus</i> residues. Agriculture, Ecosystems and Environment, 2003, 95, 537-541.	5.3	76
28	Impact of Invasive Plants on the Structure and Composition of Natural Vegetation of Northwestern Indian Himalayas. Weed Technology, 2004, 18, 1296-1300.	0.9	74
29	Chemical composition and antioxidant activity of essential oil from residues of <i>Artemisia scoparia</i> . Food Chemistry, 2009, 114, 642-645.	8.2	70
30	Lead (Pb)-induced biochemical and ultrastructural changes in wheat (<i>Triticum aestivum</i>) roots. Protoplasma, 2013, 250, 53-62.	2.1	70
31	Allelopathic effects of parthenin against two weedy species, <i>Avena fatua</i> and <i>Bidens pilosa</i> . Environmental and Experimental Botany, 2002, 47, 149-155.	4.2	69
32	Chemical Composition and Phytotoxicity of Volatile Essential Oil from Intact and Fallen Leaves of <i>Eucalyptus citriodora</i> . Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2006, 61, 465-471.	1.4	69
33	Essential oils as anticancer agents: Potential role in malignancies, drug delivery mechanisms, and immune system enhancement. Biomedicine and Pharmacotherapy, 2022, 146, 112514.	5.6	69
34	Crop Allelopathy and Its Role in Ecological Agriculture. The Journal of Crop Improvement: Innovations in Practiceory and Research, 2001, 4, 121-161.	0.4	68
35	Allelopathic effect of two volatile monoterpenes against bill goat weed (<i>Ageratum conyzoides</i> L.). Crop Protection, 2002, 21, 347-350.	2.1	68
36	Allelopathic Interactions in Agroforestry Systems. Critical Reviews in Plant Sciences, 1999, 18, 773-796.	5.7	65

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37	Mobile phone radiation inhibits <i>Vigna radiata</i> (mung bean) root growth by inducing oxidative stress. <i>Science of the Total Environment</i> , 2009, 407, 5543-5547.	8.0	63
38	Root-mediated Allelopathic Interference of Nettle-leaved Goosefoot (<i>Chenopodium murale</i>) on Wheat (<i>Triticum aestivum</i>). <i>Journal of Agronomy and Crop Science</i> , 2007, 193, 37-44.	3.5	59
39	Potential utilization of dried powder of <i>Tagetes minuta</i> as a natural herbicide for managing rice weeds. <i>Crop Protection</i> , 2007, 26, 566-571.	2.1	59
40	Alternative control of littleseed canary grass using eucalypt oil. <i>Agronomy for Sustainable Development</i> , 2007, 27, 171-177.	5.3	57
41	Phytotoxic effect of <i>Parthenium</i> residues on the selected soil properties and growth of chickpea and radish. <i>Weed Biology and Management</i> , 2002, 2, 73-78.	1.4	56
42	Ethylenediamine disuccinic acid enhanced phytoextraction of nickel from contaminated soils using <i>Coronopus didymus</i> (L.) Sm.. <i>Chemosphere</i> , 2018, 205, 234-243.	8.2	56
43	Characterization and Antioxidant Activity of Essential Oils from Fresh and Decaying Leaves of <i>Eucalyptus tereticornis</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 6962-6966.	5.2	54
44	Phytotoxic Interference of <i>Ageratum conyzoides</i> with Wheat (<i>Triticum aestivum</i>). <i>Journal of Agronomy and Crop Science</i> , 2003, 189, 341-346.	3.5	53
45	β -Pinene inhibited germination and early growth involves membrane peroxidation. <i>Protoplasma</i> , 2013, 250, 691-700.	2.1	53
46	Appraising the role of environment friendly chelants in alleviating lead by <i>Coronopus didymus</i> from Pb-contaminated soils. <i>Chemosphere</i> , 2017, 182, 129-136.	8.2	53
47	Phytotoxicity of the Volatile Monoterpene Citronellal against Some Weeds. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2006, 61, 334-340.	1.4	51
48	Phytotoxicity of Sunflower Residues against Some Summer Season Crops. <i>Journal of Agronomy and Crop Science</i> , 2002, 188, 19-24.	3.5	49
49	Ferulic acid impairs rhizogenesis and root growth, and alters associated biochemical changes in mung bean (<i>Vigna radiata</i>) hypocotyls. <i>Journal of Plant Interactions</i> , 2014, 9, 267-274.	2.1	47
50	Insights into the tolerance and phytoremediation potential of <i>Coronopus didymus</i> L. (Sm) grown under zinc stress. <i>Chemosphere</i> , 2020, 244, 125350.	8.2	47
51	Lead (Pb)-Inhibited Radicle Emergence in <i>Brassica campestris</i> Involves Alterations in Starch-Metabolizing Enzymes. <i>Biological Trace Element Research</i> , 2011, 144, 1295-1301.	3.5	46
52	Phytotoxic effects of β -pinene on early growth and associated biochemical changes in rice. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 2369-2376.	2.1	46
53	Chemical Composition and Inhibitory Activity of Essential Oil from Decaying Leaves of <i>Eucalyptus citriodora</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2006, 61, 52-56.	1.4	43
54	Eucalypt oils for the control of <i>Parthenium</i> (<i>Parthenium hysterophorus</i> L.). <i>Crop Protection</i> , 1998, 17, 119-122.	2.1	42

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55	Arsenic (As) Inhibits Radicle Emergence and Elongation in Phaseolus aureus by Altering Starch-Metabolizing Enzymes Vis-A-Vis Disruption of Oxidative Metabolism. Biological Trace Element Research, 2012, 146, 360-368.	3.5	42
56	Eugenol-inhibited root growth in Avena fatua involves ROS-mediated oxidative damage. Pesticide Biochemistry and Physiology, 2015, 118, 64-70.	3.6	42
57	Alterations in photosynthetic pigments, protein, and carbohydrate metabolism in a wild plant Coronopus didymus L. (Brassicaceae) under lead stress. Acta Physiologiae Plantarum, 2017, 39, 1.	2.1	42
58	Phytoremediation of lead by a wild, non-edible Pb accumulator <i>Coronopus didymus</i> (L.) Brassicaceae. International Journal of Phytoremediation, 2018, 20, 483-489.	3.1	41
59	Phytotoxicity of a medicinal plant, Anisomeles indica, against Phalaris minor and its potential use as natural herbicide in wheat fields. Crop Protection, 2007, 26, 948-952.	2.1	40
60	Cell phone electromagnetic field radiations affect rhizogenesis through impairment of biochemical processes. Environmental Monitoring and Assessment, 2012, 184, 1813-1821.	2.7	40
61	Role of root-mediated interactions in phytotoxic interference of Ageratum conyzoides with rice (Oryza sativa). Flora: Morphology, Distribution, Functional Ecology of Plants, 2009, 204, 388-395.	1.2	39
62	Patterns of plant communities along vertical gradient in Dhauladhar Mountains in Lesser Himalayas in North-Western India. Science of the Total Environment, 2020, 716, 136919.	8.0	38
63	Caffeic acid inhibits in vitro rooting in mung bean [Vigna radiata (L.) Wilczek] hypocotyls by inducing oxidative stress. Plant Growth Regulation, 2009, 57, 21-30.	3.4	37
64	In vitro screening of essential oil from young and mature leaves of Artemisia scoparia compared to its major constituents for free radical scavenging activity. Food and Chemical Toxicology, 2010, 48, 1040-1044.	3.6	37
65	Effect of parthenin—a sesquiterpene lactone from Parthenium hysterophorus—on early growth and physiology of Ageratum conyzoides. Journal of Chemical Ecology, 2002, 28, 2169-2179.	1.8	36
66	A time course assessment of changes in reactive oxygen species generation and antioxidant defense in hydroponically grown wheat in response to lead ions (Pb ²⁺). Protoplasma, 2012, 249, 1091-1100.	2.1	36
67	Chemical profiling, cytotoxicity and phytotoxicity of foliar volatiles of Hyptis suaveolens. Ecotoxicology and Environmental Safety, 2019, 171, 863-870.	6.0	36
68	Biomass allocation and phenotypic plasticity are key elements of successful invasion of Parthenium hysterophorus at high elevation. Environmental and Experimental Botany, 2021, 184, 104392.	4.2	36
69	Assessment of allelopathic interference of Chenopodium album through its leachates, debris extracts, rhizosphere and amended soil. Archives of Agronomy and Soil Science, 2006, 52, 705-715.	2.6	35
70	Effects of 2-benzoxazolinone on the germination, early growth and morphogenetic response of mung bean (Phaseolus aureus). Annals of Applied Biology, 2005, 147, 267-274.	2.5	34
71	Herbicidal activity of eugenol towards some grassy and broad-leaved weeds. Journal of Pest Science, 2015, 88, 209-218.	3.7	34
72	Artemisia scoparia essential oil inhibited root growth involves reactive oxygen species (ROS)-mediated disruption of oxidative metabolism: In vivo ROS detection and alterations in antioxidant enzymes. Biochemical Systematics and Ecology, 2012, 44, 390-399.	1.3	33

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73	Allelopathic impact of volatile components from Eucalyptus on crop plants. <i>Biologia Plantarum</i> , 1991, 33, 475.	1.9	32
74	Negative effect of litter of invasive weed <i>Lantana camara</i> on structure and composition of vegetation in the lower Siwalik Hills, northern India. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 3379-3389.	2.7	32
75	Biochemical Adaptations in Zea mays Roots to Short-Term Pb ²⁺ Exposure: ROS Generation and Metabolism. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2015, 95, 246-253.	2.7	32
76	Chemical characterization and allelopathic potential of volatile oil of <i>Eucalyptus tereticornis</i> against <i>Amaranthus viridis</i> . <i>Journal of Plant Interactions</i> , 2011, 6, 297-302.	2.1	31
77	Growth, photosynthetic activity and oxidative stress in wheat (<i>Triticum aestivum</i>) after exposure of lead to soil. <i>Journal of Environmental Biology</i> , 2012, 33, 265-9.	0.5	30
78	Autotoxicity of Ragweed <i>Parthenium</i> (<i>Parthenium hysterophorus</i>). <i>Weed Science</i> , 1987, 35, 629-632.	1.5	29
79	Impact of <i>Eucalyptus tereticornis</i> Sm. shelterbelts on crops. <i>Agroforestry Systems</i> , 1992, 20, 253-266.	2.0	29
80	Appraisal of phytotoxic, cytotoxic and genotoxic potential of essential oil of a medicinal plant <i>Vitex negundo</i> . <i>Industrial Crops and Products</i> , 2020, 145, 112083.	5.2	29
81	EMF radiations (1800 MHz)-inhibited early seedling growth of maize (<i>Zea mays</i>) involves alterations in starch and sucrose metabolism. <i>Protoplasma</i> , 2016, 253, 1043-1049.	2.1	28
82	Cell Phone Radiations Affect Early Growth of <i>Vigna radiata</i> (Mung Bean) through Biochemical Alterations. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2010, 65, 66-72.	1.4	27
83	Chemical characterization and phytotoxicity of volatile essential oil from leaves of <i>Anisomeles indica</i> (Lamiaceae). <i>Biochemical Systematics and Ecology</i> , 2012, 41, 104-109.	1.3	27
84	Phenotypic variations alter the ecological impact of invasive alien species: Lessons from <i>Parthenium hysterophorus</i> . <i>Journal of Environmental Management</i> , 2019, 241, 187-197.	7.8	27
85	Management of Invasive Exotic Weeds Requires Community Participation ¹ . <i>Weed Technology</i> , 2004, 18, 1445-1448.	0.9	26
86	The impact of invasive <i>Hyptis suaveolens</i> on the floristic composition of the periurban ecosystems of Chandigarh, northwestern India. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2017, 233, 156-162.	1.2	26
87	Phytotoxicity of volatile oil from <i>Eucalyptus citriodora</i> against some weedy species. <i>Journal of Environmental Biology</i> , 2007, 28, 63-6.	0.5	26
88	Phytotoxicity of Major Constituents of the Volatile Oil from Leaves of <i>Artemisia scoparia</i> Waldst. & Kit.. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2008, 63, 663-666.	1.4	24
89	Chemical characterization, phytotoxic, and cytotoxic activities of essential oil of <i>Mentha longifolia</i> . <i>Environmental Science and Pollution Research</i> , 2020, 27, 13512-13523.	5.3	23
90	Citronellol Disrupts Membrane Integrity by Inducing Free Radical Generation. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2011, 66, 260-266.	1.4	22

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91	Pb-inhibited mitotic activity in onion roots involves DNA damage and disruption of oxidative metabolism. <i>Ecotoxicology</i> , 2014, 23, 1292-1304.	2.4	22
92	Sensitivity of plants to high frequency electromagnetic radiation: cellular mechanisms and morphological changes. <i>Reviews in Environmental Science and Biotechnology</i> , 2021, 20, 55-74.	8.1	22
93	Influence of eucalypt shelterbelt on winter season agroecosystems. <i>Agriculture, Ecosystems and Environment</i> , 1990, 33, 23-31.	5.3	21
94	Phytotoxicity of <i>Ageratum conyzoides</i> residues towards growth and nodulation of <i>Cicer arietinum</i> . <i>Agriculture, Ecosystems and Environment</i> , 2006, 113, 399-401.	5.3	21
95	Caffeine affects adventitious rooting and causes biochemical changes in the hypocotyl cuttings of mung bean (<i>Phaseolus aureus</i> Roxb.). <i>Acta Physiologiae Plantarum</i> , 2008, 30, 401-405.	2.1	21
96	Exposure to 2100 MHz electromagnetic field radiations induces reactive oxygen species generation in <i>Allium cepa</i> roots. <i>Journal of Microscopy and Ultrastructure</i> , 2017, 5, 225.	0.4	21
97	Allelopathy of Gymnospermous Trees. <i>Journal of Forest Research</i> , 1999, 4, 245-254.	1.4	20
98	Chemical composition of essential oil from leaves of <i>Chenopodium ambrosioides</i> from Chandigarh, India. <i>Chemistry of Natural Compounds</i> , 2008, 44, 378-379.	0.8	20
99	Constituents of Leaf Essential Oil of <i>Mentha longifolia</i> from India. <i>Chemistry of Natural Compounds</i> , 2008, 44, 528-529.	0.8	20
100	Assessment of Phytotoxicity of Parthenin. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2007, 62, 367-372.	1.4	19
101	A mathematical model to predict the tissue response to parthenin - An allelochemical. <i>Biologia Plantarum</i> , 1993, 35, 567.	1.9	18
102	Allelopathic interference of <i>Populus deltoides</i> with some winter season crops. <i>Agronomy for Sustainable Development</i> , 2001, 21, 139-146.	0.8	18
103	Effect of eucalyptus oil on germination and growth of <i>Phaseolus aureus</i> Roxb.. <i>Plant and Soil</i> , 1991, 137, 223-227.	3.7	17
104	Nature of interference potential of leaf debris of <i>Ageratum conyzoides</i> . <i>Plant Growth Regulation</i> , 2009, 57, 137-144.	3.4	17
105	Comparative cyto- and genotoxicity of 900 MHz and 1800 MHz electromagnetic field radiations in root meristems of <i>Allium cepa</i> . <i>Ecotoxicology and Environmental Safety</i> , 2020, 188, 109786.	6.0	17
106	Cr(VI) Imposed Toxicity in Maize Seedlings Assessed in Terms of Disruption in Carbohydrate Metabolism. <i>Biological Trace Element Research</i> , 2013, 156, 316-322.	3.5	16
107	Adaptations to oxidative stress in <i>Zea mays</i> roots under short-term Pb ²⁺ exposure. <i>Biologia (Poland)</i> , 2015, 70, 190-197.	1.5	16
108	Vegetation exclusion under <i>Casuarina equisetifolia</i> L.: Does allelopathy play a role?. <i>Community Ecology</i> , 2001, 2, 93-100.	0.9	15

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109	Phenological behaviour of <i>Parthenium hysterophorus</i> in response to climatic variations according to the extended BBCH scale. <i>Annals of Applied Biology</i> , 2017, 171, 316-326.	2.5	15
110	Nitric oxide induced modulations in adventitious root growth, lignin content and lignin synthesizing enzymes in the hypocotyls of <i>Vigna radiata</i> . <i>Plant Physiology and Biochemistry</i> , 2019, 141, 225-230.	5.8	15
111	Growth regulatory response of parthenin and its derivatives. <i>Plant Growth Regulation</i> , 1997, 21, 189-194.	3.4	14
112	IMPACT OF POPULUS DELTOIDES AND DALBERGIA SISOOSH ELTERBELTS ON WHEAT – A COMPARATIVE STUDY. <i>Forests, Trees and Livelihoods</i> , 1999, 10, 51-60.	0.2	14
113	Appraisal of immediate and late effects of mobile phone radiations at 2100 MHz on mitotic activity and DNA integrity in root meristems of <i>Allium cepa</i> . <i>Protoplasma</i> , 2019, 256, 1399-1407.	2.1	14
114	Allelopathic Interactions in Forestry Systems. <i>Forestry Sciences</i> , 1998, , 269-283.	0.4	14
115	Status of Floor Vegetation under Some Monoculture and Mixculture Plantations in North India. <i>Journal of Forest Research</i> , 1996, 1, 205-209.	1.4	13
116	Effect of Poplar (<i>Populus deltoides</i>) shelterbelt on the growth and yield of wheat in Punjab, India. <i>Agroforestry Systems</i> , 1998, 40, 207-213.	2.0	13
117	Effect of 2-Benzoxazolinone (BOA) on Seedling Growth and Associated Biochemical Changes in Mung Bean (<i>Phaseolus aureus</i>). <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2006, 61, 709-714.	1.4	13
118	Exposure to mobile phone radiations at 2350 MHz incites cyto- and genotoxic effects in root meristems of <i>Allium cepa</i> . <i>Journal of Environmental Health Science & Engineering</i> , 2019, 17, 97-104.	3.0	13
119	Autotoxic impact of essential oil extracted from <i>Lantana camara</i> L.. <i>Biologia Plantarum</i> , 1993, 35, 293.	1.9	12
120	Morphological, anatomical, and ultrastructural changes (visualized through scanning electron) of <i>Lantana camara</i> L. roots. <i>Journal of Environmental Health Science & Engineering</i> , 2019, 17, 105-112.	2.1	12
121	Salicylic acid pre-treatment modulates Pb ²⁺ -induced DNA damage vis-à-vis oxidative stress in <i>Allium cepa</i> roots. <i>Environmental Science and Pollution Research</i> , 2021, 28, 51989-52000.	5.3	12
122	β-Pinene moderates Cr(VI) phytotoxicity by quenching reactive oxygen species and altering antioxidant machinery in maize. <i>Environmental Science and Pollution Research</i> , 2019, 26, 456-463.	5.3	11
123	Amelioration potential of β-pinene on Cr(VI)-induced toxicity on morphology, physiology and ultrastructure of maize. <i>Environmental Science and Pollution Research</i> , 2021, 28, 62431-62443.	5.3	11
124	Reactive oxygen species generation and antioxidant defense system in hydroponically grown wheat (<i>Triticum aestivum</i>) upon β-pinene exposure: an early time course assessment. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 3137-3146.	2.1	10
125	Exotic avenue plantations turning foe: Invasive potential, distribution and impact of <i>Broussonetia papyrifera</i> in Chandigarh, India. <i>Urban Forestry and Urban Greening</i> , 2021, 59, 127010.	5.3	10
126	Nature of phytotoxic interference of alien weed <i>Calyptocarpus vialis</i> against some crop plants. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 334.	2.7	10

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127	The Condition of the Apical Meristem of Seedlings Responsive to a Promotive Effect of Abscisic Acid on Flowering in the Short-Day Plant, <i>Chenopodium rubrum</i> . <i>Zeitschrift für Pflanzenphysiologie</i> , 1981, 103, 45-51.	1.4	9
128	Effects of Abscisic Acid on the Growth Pattern of the Shoot Apical Meristem and on Flowering in <i>Chenopodium rubrum</i> L.. <i>Annals of Botany</i> , 1981, 48, 777-785.	2.9	9
129	Role of Monoterpenes in Eucalyptus Communities. <i>Current Bioactive Compounds</i> , 2012, 8, 101-107.	0.5	9
130	24-Epibrassinolide pre-treatment reduces alkaline-induced oxidative stress in red rice seedlings. <i>Environmental Science and Pollution Research</i> , 2019, 26, 23192-23197.	5.3	9
131	L-DOPA (L-3,4-dihydroxyphenylalanine) affects rooting potential and associated biochemical changes in hypocotyl of mung bean, and inhibits mitotic activity in onion root tips. <i>Plant Growth Regulation</i> , 2006, 49, 229-235.	3.4	8
132	Chemical Characterization and Phytotoxicity of Foliar Volatiles and Essential Oil of <i>Callistemon viminalis</i> . <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2017, 20, 535-545.	1.9	8
133	Evaluating the role of phenology in managing urban invasions: A case study of <i>Broussonetia papyrifera</i> . <i>Urban Forestry and Urban Greening</i> , 2020, 48, 126583.	5.3	8
134	Promotory effect of GA13 on flowering of <i>Amaranthus</i> a short day plant. <i>Biologia Plantarum</i> , 1979, 21, 206-213.	1.9	7
135	Genetically Modified Organisms: An Indian Ethical Dilemma. <i>Journal of Agricultural and Environmental Ethics</i> , 2013, 26, 621-628.	1.7	7
136	Phytotoxicity and weed management potential of leaf extracts of <i>Callistemon viminalis</i> against the weeds of rice. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	2.1	7
137	Photo-induced changes in proteins associated with floral induction in <i>Amaranthus</i> . <i>Plant and Cell Physiology</i> , 1980, 21, 1483-1490.	3.1	6
138	Mapping "consistency" in India's climate change position: Dynamics and dilemmas of science diplomacy. <i>Ambio</i> , 2015, 44, 592-599.	5.5	6
139	β-Pinene partially ameliorates Cr(VI)-inhibited growth and biochemical changes in emerging seedlings. <i>Plant Growth Regulation</i> , 2016, 79, 243-249.	3.4	6
140	Variations in leaf litter decomposition explain invasion success of <i>Broussonetia papyrifera</i> over confamilial non-invasive <i>Morus alba</i> in urban habitats. <i>Urban Forestry and Urban Greening</i> , 2022, 67, 127408.	5.3	6
141	Phytotoxicity of decomposing below-ground residues of <i>Ageratum conyzoides</i> : nature and dynamics of release of phytotoxins. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 1075-1081.	2.1	5
142	Elucidation of genetic diversity base in <i>Calotropis procera</i> a potentially emerging new fibre resource. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2020, 18, 159-167.	0.8	5
143	Isolation and characterization of a novel hydrocarbonoclastic and biosurfactant producing bacterial strain: <i>Fictibacillus phosphorivorans</i> RP3. <i>3 Biotech</i> , 2021, 11, 105.	2.2	5
144	Parthenin A Sesquiterpene Lactone with Multifaceted Biological Activities: Insights and Prospects. <i>Molecules</i> , 2021, 26, 5347.	3.8	5

#	ARTICLE	IF	CITATIONS
145	Bridging the gap: linking morpho-functional traitsâ€™ plasticity with hyperaccumulation. Environmental Monitoring and Assessment, 2021, 193, 762.	2.7	5
146	Allelopathic interactions in agroecosystems. , 2006, , 465-493.		4
147	Ni ²⁺ -inhibited radicle growth in germinating wheat seeds involves alterations in sugar metabolism. Acta Physiologiae Plantarum, 2014, 36, 923-929.	2.1	4
148	Autotoxicity: Concept, Organisms, and Ecological Significance. Critical Reviews in Plant Sciences, 1999, 18, 757-772.	5.7	4
149	Biodegradable chelant-metal complexes enhance cadmium phytoextraction efficiency of Solanum americanum. Environmental Science and Pollution Research, 2022, 29, 57102-57111.	5.3	4
150	Growth correlations in shoot apices of Brassica campestris L. during transition to flowering. Biologia Plantarum, 1981, 23, 41-45.	1.9	3
151	Ecological Interactions in Agroforestry. , 2007, , 3-14.		3
152	Changes in Soil Chemistry and Foliar Metabolism of Himalayan Cedar (Cedrus deodara) and Himalayan Spruce (Picea smithiana) along an Elevational Gradient at Kufri, HP, India: The Potential Roles of Regional Pollution and Localized Grazing. Forests, 2021, 12, 400.	2.1	2
153	Cytotoxic and genotoxic assessment of agricultural soils from an industrial region. Environmental Monitoring and Assessment, 2021, 193, 526.	2.7	2
154	Citronellol Disrupts Membrane Integrity by Inducing Free Radical Generation. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2011, 66, 0260.	1.4	2
155	Ecological Status of Some Invasive Plants of Shiwalik Himalayas in Northwestern India. , 2008, , 143-155.		2
156	Invasive plant ecology. , 2013, , 1-6.		2
157	Enzyme activity and electrophoretic pattern of isoenzymes of peroxidase, esterase and alkaline and acid phosphatase in relation to flowering in Amaranthus viridis L. - a quantitative SD plant. Biologia Plantarum, 1981, 23, 335-341.	1.9	1
158	Parthenium hysterophorus. , 2021, , 311-333.		1
159	Novel weapon hypothesis for the successful establishment of invasive plants in alien environments. , 2013, , 19-28.		1
160	P59. Protective effect of nitric oxide against arsenic-induced oxidative stress in rice. Nitric Oxide - Biology and Chemistry, 2008, 19, 56.	2.7	0
161	Comparative Vegetation Analysis under Multipurpose Plantations. Forestry Sciences, 1998, , 285-291.	0.4	0