

Sengottayan Senthil Nathan

List of Publications by Year in descending order

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135
papers

5,197
citations

61945

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docs citations

142
times ranked

3139
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiological and biochemical effect of neem and other Meliaceae plants secondary metabolites against Lepidopteran insects. <i>Frontiers in Physiology</i> , 2013, 4, 359.	1.3	181
2	Effects of neem limonoids on the malaria vector <i>Anopheles stephensi</i> Liston (Diptera: Culicidae). <i>Acta Tropica</i> , 2005, 96, 47-55.	0.9	152
3	Acute larvicidal toxicity of five essential oils (<i>Pinus nigra</i> , <i>Hyssopus officinalis</i> , <i>Satureja montana</i> ,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 227 T Synergistic and antagonistic effects. <i>Parasitology International</i> , 2017, 66, 166-171.	0.6	125
4	A Review of Resistance Mechanisms of Synthetic Insecticides and Botanicals, Phytochemicals, and Essential Oils as Alternative Larvicidal Agents Against Mosquitoes. <i>Frontiers in Physiology</i> , 2019, 10, 1591.	1.3	125
5	Effect of azadirachtin on acetylcholinesterase (AChE) activity and histology of the brown planthopper <i>Nilaparvata lugens</i> (Stål). <i>Ecotoxicology and Environmental Safety</i> , 2008, 70, 244-250.	2.9	118
6	Efficacy of nucleopolyhedrovirus and azadirachtin on <i>Spodoptera litura</i> Fabricius (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 T	1.4	110
7	Effect of biopesticides applied separately or together on nutritional indices of the rice leaffolder <i>Cnaphalocrocis medinalis</i> . <i>Phytoparasitica</i> , 2005, 33, 187-195.	0.6	108
8	Microbial biopesticides for insect pest management in India: Current status and future prospects. <i>Journal of Invertebrate Pathology</i> , 2019, 165, 74-81.	1.5	108
9	A Review of Biopesticides and Their Mode of Action Against Insect Pests. , 2015, , 49-63.		101
10	The toxicity and physiological effect of neem limonoids on <i>Cnaphalocrocis medinalis</i> (Guenée) the rice leaffolder. <i>Pesticide Biochemistry and Physiology</i> , 2005, 81, 113-122.	1.6	100
11	Botanical essential oils and uses as mosquitocides and repellents against dengue. <i>Environment International</i> , 2018, 113, 214-230.	4.8	99
12	The use of <i>Eucalyptus tereticornis</i> Sm. (Myrtaceae) oil (leaf extract) as a natural larvicidal agent against the malaria vector <i>Anopheles stephensi</i> Liston (Diptera: Culicidae). <i>Bioresource Technology</i> , 2007, 98, 1856-1860.	4.8	97
13	Effects of <i>Melia azedarach</i> on nutritional physiology and enzyme activities of the rice leaffolder <i>Cnaphalocrocis medinalis</i> (Guenée) (Lepidoptera: Pyralidae). <i>Pesticide Biochemistry and Physiology</i> , 2006, 84, 98-108.	1.6	91
14	Anti-dengue efficacy of bioactive andrographolide from <i>Andrographis paniculata</i> (Lamiales:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 T 163, 167-178.	0.9	88
15	The effects of azadirachtin and nucleopolyhedrovirus on midgut enzymatic profile of <i>Spodoptera litura</i> Fab. (Lepidoptera: Noctuidae). <i>Pesticide Biochemistry and Physiology</i> , 2005, 83, 46-57.	1.6	86
16	Effect of botanical insecticides and bacterial toxins on the gut enzyme of the rice leaffolder <i>Cnaphalocrocis medinalis</i> . <i>Phytoparasitica</i> , 2004, 32, 433-443.	0.6	82
17	Not just popular spices! Essential oils from <i>Cuminum cyminum</i> and <i>Pimpinella anisum</i> are toxic to insect pests and vectors without affecting non-target invertebrates. <i>Industrial Crops and Products</i> , 2018, 124, 236-243.	2.5	79
18	Efficacy of <i>Melia azedarach</i> L. extract on the malarial vector <i>Anopheles stephensi</i> Liston (Diptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 T	4.8	76

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19	Effects of <i>Dysoxylum malabaricum</i> Bedd. (Meliaceae) extract on the malarial vector <i>Anopheles stephensi</i> Liston (Diptera: Culicidae). <i>Bioresource Technology</i> , 2006, 97, 2077-2083.	4.8	75
20	Larvicidal and growth inhibition of the malaria vector <i>Anopheles stephensi</i> by triterpenes from <i>Dysoxylum malabaricum</i> and <i>Dysoxylum beddomei</i> . <i>FÅ-toterapÅ-Åç</i> , 2008, 79, 106-111.	1.1	72
21	Food consumption, utilization, and detoxification enzyme activity of the rice leaffolder larvae after treatment with <i>Dysoxylum</i> triterpenes. <i>Pesticide Biochemistry and Physiology</i> , 2007, 88, 260-267.	1.6	70
22	Physiological effect of chitinase purified from <i>Bacillus subtilis</i> against the tobacco cutworm <i>Spodoptera litura</i> Fab.. <i>Pesticide Biochemistry and Physiology</i> , 2012, 104, 65-71.	1.6	70
23	<i>Sargassum wightii</i> -synthesized ZnO nanoparticles reduce the fitness and reproduction of the malaria vector <i>Anopheles stephensi</i> and cotton bollworm <i>Helicoverpa armigera</i> . <i>Physiological and Molecular Plant Pathology</i> , 2018, 101, 202-213.	1.3	68
24	Combined effect of biopesticides on the digestive enzymatic profiles of <i>Cnaphalocrocis medinalis</i> (GuenÅ©e) (the rice leaffolder) (Insecta: Lepidoptera: Pyralidae). <i>Ecotoxicology and Environmental Safety</i> , 2006, 64, 382-389.	2.9	66
25	Biological activity of selected Lamiaceae and Zingiberaceae plant essential oils against the dengue vector <i>Aedes aegypti</i> L. (Diptera: Culicidae). <i>Parasitology Research</i> , 2012, 110, 1261-1268.	0.6	66
26	Developmental response of <i>Spodoptera litura</i> Fab. to treatments of crude volatile oil from <i>Piper betle</i> L. and evaluation of toxicity to earthworm, <i>Eudrilus eugeniae</i> Kinb.. <i>Chemosphere</i> , 2016, 155, 336-347.	4.2	64
27	Effect of <i>Lavandula angustifolia</i> essential oil against lesser mulberry pyralid <i>Glyphodes pyloalis</i> Walker (Lep: Pyralidae) and identification of its major derivatives. <i>Pesticide Biochemistry and Physiology</i> , 2013, 107, 250-257.	1.6	63
28	<i>Aspergillus flavus</i> (Link) toxins reduces the fitness of dengue vector <i>Aedes aegypti</i> (Linn.) and their non-target toxicity against aquatic predator. <i>Microbial Pathogenesis</i> , 2019, 128, 281-287.	1.3	61
29	Toxicity and physiological effects of neem pesticides applied to rice on the <i>Nilaparvata lugens</i> StÅ¶l, the brown planthopper. <i>Ecotoxicology and Environmental Safety</i> , 2009, 72, 1707-1713.	2.9	60
30	Larvicidal and enzyme inhibition of essential oil from <i>Spheranthus amaranthoids</i> (Burm.) against lepidopteran pest <i>Spodoptera litura</i> (Fab.) and their impact on non-target earthworms. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 21, 101324.	1.5	60
31	Effect of methyl salicylate (MeSA), an elicitor on growth, physiology and pathology of resistant and susceptible rice varieties. <i>Scientific Reports</i> , 2016, 6, 34498.	1.6	59
32	Combined effects of azadirachtin and nucleopolyhedrovirus (SpltNPV) on <i>Spodoptera litura</i> Fabricius (Lepidoptera: Noctuidae) larvae. <i>Biological Control</i> , 2006, 39, 96-104.	1.4	58
33	Toxicity of <i>Alangium salvifolium</i> Wang chemical constituents against the tobacco cutworm <i>Spodoptera litura</i> Fab. <i>Pesticide Biochemistry and Physiology</i> , 2016, 126, 92-101.	1.6	57
34	Efficacy of neem limonoids on <i>Cnaphalocrocis medinalis</i> (GuenÅ©e) (Lepidoptera: Pyralidae) the rice leaffolder. <i>Crop Protection</i> , 2005, 24, 760-763.	1.0	56
35	Green synthesis of silver nanoparticles from aqueous extract of <i>Ctenolepis garcini</i> L. and assess their possible biological applications. <i>Process Biochemistry</i> , 2021, 107, 91-99.	1.8	55
36	Target and non-target toxicity of botanical insecticide derived from <i>Couroupita guianensis</i> L. flower against generalist herbivore, <i>Spodoptera litura</i> Fab. and an earthworm, <i>Eisenia foetida</i> Savigny. <i>Ecotoxicology and Environmental Safety</i> , 2016, 133, 260-270.	2.9	54

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37	Toxicity and physiological effect of quercetin on generalist herbivore, <i>Spodoptera litura</i> Fab. and a non-target earthworm <i>Eisenia fetida</i> Savigny. <i>Chemosphere</i> , 2016, 165, 257-267.	4.2	53
38	Comparative Analysis of Major Mosquito Vectors Response to Seed-Derived Essential Oil and Seed Pod-Derived Extract from <i>Acacia nilotica</i> . <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 388.	1.2	52
39	Effects of <i>Melia azedarach</i> L. extract on the teak defoliator <i>Hyblaea puera</i> Cramer (Lepidoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 50	1.0	50
40	Effect of plant compounds on induced activities of defense-related enzymes and pathogenesis related protein in bacterial blight disease susceptible rice plant. <i>Physiological and Molecular Plant Pathology</i> , 2012, 80, 1-9.	1.3	50
41	Toxicity of <i>Beauveria bassiana</i> -28 Mycelial Extracts on Larvae of <i>Culex quinquefasciatus</i> Mosquito (Diptera: Culicidae). <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 440.	1.2	50
42	Effect of neem limonoids on lactate dehydrogenase (LDH) of the rice leaffolder, <i>Cnaphalocrocis medinalis</i> (Guenée) (Insecta: Lepidoptera: Pyralidae). <i>Chemosphere</i> , 2006, 62, 1388-1393.	4.2	49
43	Comparative analysis of mosquito (Diptera: Culicidae: <i>Aedes aegypti</i> Liston) responses to the insecticide Temephos and plant derived essential oil derived from Piper betle L.. <i>Ecotoxicology and Environmental Safety</i> , 2017, 139, 439-446.	2.9	49
44	Effects of jasmonic acid-induced resistance in rice on the plant brownhopper, <i>Nilaparvata lugens</i> Stål (Homoptera: Delphacidae). <i>Pesticide Biochemistry and Physiology</i> , 2009, 95, 77-84.	1.6	48
45	Impact of <i>Terminalia chebula</i> Retz. against <i>Aedes aegypti</i> L. and non-target aquatic predatory insects. <i>Ecotoxicology and Environmental Safety</i> , 2017, 137, 210-217.	2.9	45
46	Behavioural responses and changes in biology of rice leaffolder following treatment with a combination of bacterial toxins and botanical insecticides. <i>Chemosphere</i> , 2006, 64, 1650-1658.	4.2	44
47	Larvicidal, pupicidal and adult smoke toxic effects of <i>Acanthospermum hispidum</i> (DC) leaf crude extracts against mosquito vectors. <i>Physiological and Molecular Plant Pathology</i> , 2018, 101, 156-162.	1.3	44
48	The toxicity and behavioural effects of neem limonoids on <i>Cnaphalocrocis medinalis</i> (Guenée), the rice leaffolder. <i>Chemosphere</i> , 2006, 62, 1381-1387.	4.2	43
49	The toxic effects of neem extract and azadirachtin on the brown planthopper, <i>Nilaparvata lugens</i> (Stål) (BPH) (Homoptera: Delphacidae). <i>Chemosphere</i> , 2007, 67, 80-88.	4.2	43
50	Physiological and biochemical effects of botanical extract from <i>Piper nigrum</i> Linn (Piperaceae) against the dengue vector <i>Aedes aegypti</i> Liston (Diptera: Culicidae). <i>Parasitology Research</i> , 2015, 114, 4239-4249.	0.6	43
51	Toxicological effects of <i>Sphaeranthus indicus</i> Linn. (Asteraceae) leaf essential oil against human disease vectors, <i>Culex quinquefasciatus</i> Say and <i>Aedes aegypti</i> Linn., and impacts on a beneficial mosquito predator. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10294-10306.	2.7	41
52	Larvicidal efficacy of <i>Adhatoda vasica</i> (L.) Nees against the bancroftian filariasis vector <i>Culex quinquefasciatus</i> Say and dengue vector <i>Aedes aegypti</i> L. in vitro condition. <i>Parasitology Research</i> , 2012, 110, 1993-1999.	0.6	40
53	Effect of <i>Aspergillus flavus</i> on the mortality and activity of antioxidant enzymes of <i>Spodoptera litura</i> Fab. (Lepidoptera: Noctuidae) larvae. <i>Pesticide Biochemistry and Physiology</i> , 2018, 149, 54-60.	1.6	40
54	Effects of <i>Bacillus subtilis</i> metabolites on larval <i>Aedes aegypti</i> L. <i>Pesticide Biochemistry and Physiology</i> , 2013, 107, 369-376.	1.6	36

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55	Potential mode of action of a novel plumbagin as a mosquito repellent against the malarial vector <i>Anopheles stephensi</i> , (Culicidae: Diptera). <i>Pesticide Biochemistry and Physiology</i> , 2016, 134, 84-93.	1.6	35
56	Acute toxicity of chemical pesticides and plant-derived essential oil on the behavior and development of earthworms, <i>Eudrilus eugeniae</i> (Kinberg) and <i>Eisenia fetida</i> (Savigny). <i>Environmental Science and Pollution Research</i> , 2018, 25, 10371-10382.	2.7	35
57	Target and non-target toxicity of fern extracts against mosquito vectors and beneficial aquatic organisms. <i>Ecotoxicology and Environmental Safety</i> , 2018, 161, 221-230.	2.9	35
58	Effects of Millet, Wheat, Rice, and Sorghum Diets on Development of <i>Corcyra cephalonica</i> (Stainton) (Lepidoptera: Galleriidae) and Its Suitability as a Host for <i>Trichogramma chilonis</i> (Ishii) (Hymenoptera: Trichogrammatidae). <i>Environmental Entomology</i> , 2006, 35, 784-788.	0.7	33
59	Role of kairomone in biological control of crop pests-A review. <i>Physiological and Molecular Plant Pathology</i> , 2018, 101, 3-15.	1.3	32
60	Chemicals isolated from <i>Justicia adhatoda</i> Linn reduce fitness of the mosquito, <i>Aedes aegypti</i> L. <i>Archives of Insect Biochemistry and Physiology</i> , 2017, 94, e21384.	0.6	31
61	A novel herbal product based on Piper betle and Sphaeranthus indicus essential oils: Toxicity, repellent activity and impact on detoxifying enzymes GST and CYP450 of <i>Aedes aegypti</i> Liston (Diptera: Tj ETQq1 0 0 rg BT / Overlock 10 Tf 00	0.7	31
62	Metal oxide nanoparticle synthesis (ZnO-NPs) of <i>Knoxia sumatrensis</i> (Retz.) DC. Aqueous leaf extract and It's evaluation of their antioxidant, anti-proliferative and larvicidal activities. <i>Toxicology Reports</i> , 2021, 8, 64-72.	1.6	31
63	Potential larvicidal activity of silver nanohybrids synthesized using leaf extracts of <i>Cleistanthus collinus</i> (Roxb.) Benth. ex Hook.f. and <i>Strychnos nux-vomica</i> L. <i>nux-vomica</i> against dengue, Chikungunya and Zika vectors. <i>Physiological and Molecular Plant Pathology</i> , 2018, 101, 163-171.	1.3	30
64	Toxicological screening of marine red algae <i>Champia parvula</i> (C. Agardh) against the dengue mosquito vector <i>Aedes aegypti</i> (Linn.) and its non-toxicity against three beneficial aquatic predators. <i>Aquatic Toxicology</i> , 2020, 222, 105474.	1.9	30
65	The toxicity and physiological effect of goniotalamin, a styryl-pyrone, on the generalist herbivore, <i>Spodoptera exigua</i> Hübner. <i>Chemosphere</i> , 2008, 72, 1393-1400.	4.2	29
66	Target and non-target response of <i>Swietenia Mahagoni</i> Jacq. chemical constituents against tobacco cutworm <i>Spodoptera litura</i> Fab. and earthworm, <i>Eudrilus eugeniae</i> Kinb. <i>Chemosphere</i> , 2018, 199, 35-43.	4.2	28
67	<i>Bacillus subtilis</i> chitinase identified by matrix-assisted laser desorption/ionization time-of flight/time of flight mass spectrometry has insecticidal activity against <i>Spodoptera litura</i> Fab.. <i>Pesticide Biochemistry and Physiology</i> , 2014, 116, 1-12.	1.6	27
68	Antimalarial efficacy of dynamic compound of plumbagin chemical constituent from <i>Plumbago zeylanica</i> Linn (Plumbaginaceae) against the malarial vector <i>Anopheles stephensi</i> Liston (Diptera: Tj ETQq0 0 0 rg BT / Overlock 10 Tf 00	0.6	27
69	Toxic effect of essential oil and its compounds isolated from <i>Sphaeranthus amaranthoides</i> Burm. f. against dengue mosquito vector <i>Aedes aegypti</i> Linn.. <i>Pesticide Biochemistry and Physiology</i> , 2019, 160, 163-170.	1.6	27
70	Sustainable Agronomic Strategies for Enhancing the Yield and Nutritional Quality of Wild Tomato, <i>Solanum Lycopersicum</i> (L) Var <i>Cerasiforme</i> Mill. <i>Agronomy</i> , 2019, 9, 311.	1.3	27
71	Effect of methyl jasmonate (MeJA)-induced defenses in rice against the rice leaffolder <i>Cnaphalocrocis medinalis</i> (Guenée) (Lepidoptera: Pyralidae). <i>Pest Management Science</i> , 2019, 75, 460-465.	1.7	26
72	Pharmacological and Larvicidal Potential of Green Synthesized Silver Nanoparticles Using <i>Carmona retusa</i> (Vahl) Masam Leaf Extract. <i>Journal of Cluster Science</i> , 2018, 29, 1243-1253.	1.7	25

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73	Toxicity of aristolochic acids isolated from <i>Aristolochia indica</i> Linn (Aristolochiaceae) against the malarial vector <i>Anopheles stephensi</i> Liston (Diptera: Culicidae). <i>Experimental Parasitology</i> , 2015, 153, 8-16.	0.5	24
74	Response of <i>Spodoptera litura</i> Fab. (Lepidoptera: Noctuidae) larvae to <i>Citrullus colocynthis</i> L. (Cucurbitales: Cucurbitaceae) chemical constituents: Larval tolerance, food utilization and detoxifying enzyme activities. <i>Physiological and Molecular Plant Pathology</i> , 2018, 101, 16-28.	1.3	24
75	Effect of Methyl Salicylate (MeSA) induced changes in rice plant (<i>Oryza sativa</i>) that affect growth and development of the rice leaffolder, <i>Cnaphalocrocis medinalis</i> . <i>Physiological and Molecular Plant Pathology</i> , 2018, 101, 116-126.	1.3	24
76	Bioprospecting of <i>Prosopis juliflora</i> (Sw.) DC seed pod extract effect on antioxidant and immune system of <i>Spodoptera litura</i> (Lepidoptera: Noctuidae). <i>Physiological and Molecular Plant Pathology</i> , 2018, 101, 45-53.	1.3	24
77	Toxicity and developmental effect of cucurbitacin E from <i>Citrullus colocynthis</i> L. (Cucurbitales: Cucurbitaceae) on <i>Spodoptera litura</i> (Lepidoptera: Noctuidae). <i>Environmental Science and Pollution Research</i> , 2020, 27, 23390-23401.	2.7	24
78	Toxicological effects of chemical constituents from <i>Piper</i> against the environmental burden <i>Aedes aegypti</i> Liston and their impact on non-target toxicity evaluation against biomonitoring aquatic insects. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10434-10446.	2.7	23
79	<i>Chaetomorpha antennina</i> (Bory de Saint-Vincent) derived seaweed liquid fertilizers as prospective bio-stimulant for <i>Lycopersicon esculentum</i> (Mill). <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 20, 101190.	1.5	23
80	Biological activity of chitosan inducing resistance efficiency of rice (<i>Oryza sativa</i> L.) after treatment with fungal based chitosan. <i>Scientific Reports</i> , 2021, 11, 20488.	1.6	23
81	Biological effects of <i>Avicennia marina</i> (Forssk.) extracts on physiological, biochemical, and antimicrobial activities against three challenging mosquito vectors and microbial pathogens. <i>Environmental Science and Pollution Research</i> , 2020, 27, 15174-15187.	2.7	22
82	Bioefficacy of <i>Epilobium divaricatum</i> (L.) n-Hexane Extracts and Their Major Metabolites against the Lepidopteran Pests <i>Spodoptera litura</i> (fab.) and Dengue Mosquito <i>Aedes aegypti</i> (Linn.). <i>Molecules</i> , 2021, 26, 3695.	1.7	22
83	Effect of biopesticides on the lactate dehydrogenase (LDH) of the rice leaffolder, <i>Cnaphalocrocis medinalis</i> (Guenée) (Insecta: Lepidoptera: Pyralidae). <i>Ecotoxicology and Environmental Safety</i> , 2006, 65, 102-107.	2.9	21
84	Target and non-target botanical pesticides effect of <i>Trichodesma indicum</i> (Linn) R. Br. and their chemical derivatives against the dengue vector, <i>Aedes aegypti</i> L.. <i>Environmental Science and Pollution Research</i> , 2019, 26, 16303-16315.	2.7	21
85	Efficacy of <i>Andrographis paniculata</i> supplements induce a non-specific immune system against the pathogenicity of <i>Aeromonas hydrophila</i> infection in Indian major carp (<i>Labeo rohita</i>). <i>Environmental Science and Pollution Research</i> , 2020, 27, 23420-23436.	2.7	21
86	Biocontrol efficacy of protoplast fusions between <i>Bacillus thuringiensis</i> and <i>Bacillus subtilis</i> against <i>Spodoptera litura</i> Fabr.. <i>Archives of Phytopathology and Plant Protection</i> , 2014, 47, 1365-1375.	0.6	20
87	Target Activity of <i>Isaria tenuipes</i> (Hypocreales: Clavicipitaceae) Fungal Strains against Dengue Vector <i>Aedes aegypti</i> (Linn.) and Its Non-Target Activity Against Aquatic Predators. <i>Journal of Fungi (Basel)</i> , 2021, 7, 1000000.	2.7	20
88	Seed treatment and foliar application of methyl salicylate (MeSA) as a defense mechanism in rice plants against the pathogenic bacterium, <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> . <i>Pesticide Biochemistry and Physiology</i> , 2021, 171, 104718.	1.6	20
89	Effect of oil-formulated <i>Metarhizium anisopliae</i> and <i>Beauveria bassiana</i> against the rice leaffolder <i>Cnaphalocrocis medinalis</i> (Guenée) (Lepidoptera: Pyralidae). <i>Archives of Phytopathology and Plant Protection</i> , 2014, 47, 977-992.	0.6	19
90	Bacterial compounds, as biocontrol agent against early blight (<i>Alternaria solani</i>) and tobacco cut worm (<i>Spodoptera litura</i> Fab.) of tomato (<i>Lycopersicon esculentum</i> Mill.). <i>Archives of Phytopathology and Plant Protection</i> , 2018, 51, 729-753.	0.6	17

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91	Biological synthesis and characterization of <i>Passiflora subpeltata</i> Ortega aqueous leaf extract in silver nanoparticles and their evaluation of antibacterial, antioxidant, anti-cancer and larvicidal activities. <i>Journal of King Saud University - Science</i> , 2022, 34, 101846.	1.6	17
92	Development of an eco-friendly mosquitocidal agent from <i>Alangium salvifolium</i> against the dengue vector <i>Aedes aegypti</i> and its biosafety on the aquatic predator. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10340-10352.	2.7	16
93	Effect of thiamethoxam on growth, biomass of rice varieties and its specialized herbivore, <i>Scirpophaga incertulas</i> Walker. <i>Physiological and Molecular Plant Pathology</i> , 2018, 101, 146-155.	1.3	16
94	Volatile toxin of <i>Limonia acidissima</i> (L.) produced larvicidal, developmental, repellent, and adulticidal toxicity effects on <i>Aedes aegypti</i> (L.). <i>Toxin Reviews</i> , 2022, 41, 119-128.	1.5	16
95	Effects of temperature and nonionizing ultraviolet radiation treatments of eggs of five host insects on production of <i>Trichogramma chilonis</i> Ishii (Hymenoptera: Trichogrammatidae) for biological control applications. <i>Journal of Asia-Pacific Entomology</i> , 2016, 19, 1139-1144.	0.4	15
96	Toxicity, behavioural and biochemical effect of Piper betle L. essential oil and its constituents against housefly, <i>Musca domestica</i> L.. <i>Pesticide Biochemistry and Physiology</i> , 2021, 174, 104804.	1.6	15
97	Toxicity and behavioral effect of 3 ^β ,24,25-trihydroxycycloartane and beddomei lactone on the rice leaffolder <i>Cnaphalocrocis medinalis</i> (Guenée) (Lepidoptera: Pyralidae). <i>Ecotoxicology and Environmental Safety</i> , 2009, 72, 1156-1162.	2.9	14
98	Comparative efficacy of two mycotoxins against <i>Spodoptera litura</i> Fab. And their non-target activity against <i>Eudrilus eugeniae</i> Kinb.. <i>Ecotoxicology and Environmental Safety</i> , 2019, 183, 109474.	2.9	13
99	Larval and gut enzyme toxicity of <i>n</i> -hexane extract <i>Epaltes pygmaea</i> DC. against the arthropod vectors and its non-toxicity against aquatic predator. <i>Toxin Reviews</i> , 2021, 40, 681-691.	1.5	13
100	Anti-herbivore activity of soluble silicon for crop protection in agriculture: a review. <i>Environmental Science and Pollution Research</i> , 2021, 28, 2626-2637.	2.7	13
101	Impact of Thiamethoxam Seed Treatment on Growth and Yield of Rice, <i>Oryza sativa</i> . <i>Journal of Economic Entomology</i> , 2017, 110, 479-486.	0.8	12
102	Preparation and Characterization of Chitosan Nanocomposites Material Using Silver Nanoparticle Synthesized <i>Carmona retusa</i> (Vahl) Masam Leaf Extract for Antioxidant, Anti-cancerous and Insecticidal Application. <i>Journal of Cluster Science</i> , 2019, 30, 1145-1155.	1.7	12
103	Metabolic response of <i>Ephestia kuehniella</i> Zeller (Lepidoptera: Pyralidae) to essential oil of Ajwain and thymol. <i>Toxin Reviews</i> , 2017, , 1-6.	1.5	11
104	Poly(Styrene Sulfonate)/Poly(Allylamine Hydrochloride) Encapsulation of TiO ₂ Nanoparticles Boosts Their Toxic and Repellent Activity Against Zika Virus Mosquito Vectors. <i>Journal of Cluster Science</i> , 2018, 29, 27-39.	1.7	11
105	The future of plant volatile organic compounds (pVOCs) research: Advances and applications for sustainable agriculture. <i>Environmental and Experimental Botany</i> , 2022, 200, 104912.	2.0	11
106	Chemical characterization of billy goat weed extracts <i>Ageratum conyzoides</i> (Asteraceae) and their mosquitocidal activity against three blood-sucking pests and their non-toxicity against aquatic predators. <i>Environmental Science and Pollution Research</i> , 2021, 28, 28456-28469.	2.7	10
107	RNA Interference Suppression of <i>v</i> -ATPase B and Juvenile Hormone Binding Protein Genes Through Topically Applied dsRNA on Tomato Leaves: Developing Biopesticides to Control the South American Pinworm, <i>Tuta absoluta</i> (Lepidoptera: Gelechiidae). <i>Frontiers in Physiology</i> , 2021, 12, 742871.	1.3	10
108	Virulence of selected indigenous <i>Metarhizium pingshaense</i> (Ascomycota: Hypocreales) isolates against the rice leaffolder, <i>Cnaphalocrocis medinalis</i> (Guenée) (Lepidoptera: Pyralidae). <i>Physiological and Molecular Plant Pathology</i> , 2018, 101, 105-115.	1.3	9

#	ARTICLE	IF	CITATIONS
109	Individual and synergist activities of monocrotophos with neem based pesticide, Vijayneem against <i>Spodoptera litura</i> Fab.. <i>Physiological and Molecular Plant Pathology</i> , 2018, 101, 54-68.	1.3	9
110	Together in the Fight against Arthropod-Borne Diseases: A One Health Perspective. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4876.	1.2	9
111	Kairomones effect on parasitic activity of <i>Trichogramma japonicum</i> against rice yellow stem borer, <i>Scirpophaga incertulas</i> . <i>Journal of Applied Entomology</i> , 2020, 144, 373-381.	0.8	9
112	Toxicity of Bioactive Molecule Andrographolide against <i>Spodoptera litura</i> Fab and Its Binding Potential with Detoxifying Enzyme Cytochrome P450. <i>Molecules</i> , 2021, 26, 5982.	1.7	9
113	Eco-friendly formulation of wild <i>Bacillus thuringiensis</i> secondary metabolites through molecular characterization against the lepidopteran pest. <i>Physiological and Molecular Plant Pathology</i> , 2018, 101, 93-104.	1.3	8
114	Effect of <i>Manihot esculenta</i> (Crantz) leaf extracts on antioxidant and immune system of <i>Spodoptera litura</i> (Lepidoptera: Noctuidae). <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 23, 101476.	1.5	8
115	Biologically active toxin from macroalgae <i>Chaetomorpha antennina</i> Bory, against the lepidopteran <i>Spodoptera litura</i> Fab. and evaluation of toxicity to earthworm, <i>Eudrilus eugeniae</i> Kinb. <i>Chemical and Biological Technologies in Agriculture</i> , 2021, 8, .	1.9	8
116	Efficacy of Precocene I from <i>Desmosstachya bipinnata</i> as an Effective Bioactive Molecules against the <i>Spodoptera litura</i> Fab. and Its Impact on <i>Eisenia fetida</i> Savigny. <i>Molecules</i> , 2021, 26, 6384.	1.7	8
117	Ultrasound-assisted nanoemulsion of <i>Trachyspermum ammi</i> essential oil and its constituent thymol on toxicity and biochemical aspect of <i>Aedes aegypti</i> . <i>Environmental Science and Pollution Research</i> , 2022, 29, 71326-71337.	2.7	8
118	Developmental response of <i>Spodoptera litura</i> Fab in response to plant extract of <i>Desmostachya bipinnata</i> (L.) and its effect on non-target organism, earthworm (<i>Eisenia fetida</i>). <i>Environmental Science and Pollution Research</i> , 2021, 28, 7870-7882.	2.7	7
119	The efficacy of methanolic extract of <i>Swietenia mahagoni</i> Jacq. (Meliaceae) and a commercial insecticide against laboratory and field strains of <i>Aedes aegypti</i> (Linn.) and their impact on its predator <i>Toxorhynchites splendens</i> . <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 31, 101915.	1.5	7
120	Effects of elevated CO ₂ on resistant and susceptible rice cultivar and its primary host, brown planthopper (BPH), <i>Nilaparvata lugens</i> (Stål). <i>Scientific Reports</i> , 2021, 11, 8905.	1.6	7
121	Electrophysiological, behavioural and biochemical effect of <i>Ocimum basilicum</i> oil and its constituents methyl chavicol and linalool on <i>Musca domestica</i> L. <i>Environmental Science and Pollution Research</i> , 2021, 28, 50565-50578.	2.7	7
122	Kairomone activity of okra, <i>Abelmoschus esculentus</i> (L.) Moench genotypes on lepidopteran pests and their entomophages. <i>Physiological and Molecular Plant Pathology</i> , 2018, 101, 29-37.	1.3	5
123	Entomopathogenic Potential of <i>Simplicillium lanosoniveum</i> Native Strain in Suppressing Invasive Whitefly, <i>Aleurodicus rugioperculatus</i> Martin (Hemiptera: Aleyrodidae), Infesting Coconut. <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 964.	1.5	5
124	Phytochemical and Pharmacological Evaluation of Methanolic Extract of <i>Knoxia sumatrensis</i> Leaves. <i>Journal of Herbs, Spices and Medicinal Plants</i> , 2021, 27, 200-217.	0.5	4
125	Larvicidal and repellent activity of N-methyl-1-adamantylamine and oleic acid a major derivative of bael tree ethanol leaf extracts against dengue mosquito vector and their biosafety on natural predator. <i>Environmental Science and Pollution Research</i> , 2022, 29, 15654-15663.	2.7	4
126	Characterization and Evaluation of <i>Metarhizium</i> spp. (Metsch.) Sorokin Isolates for Their Temperature Tolerance. <i>Journal of Fungi</i> (Basel, Switzerland), 2022, 8, 68.	1.5	4

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127	Influence of summer weather on prevalence of rice yellow stem-borer in central India: Monitoring and biocontrol strategy. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 21, 101340.	1.5	3
128	Behavioral response and relative toxicity for the active compounds of <i>Caulerpa veravalensis</i> (Thivy and Chauhan) against nymph of <i>Dysdercus cingulatus</i> (Fab.) (Hemiptera: Pyrrhocoridae). <i>Journal of Asia-Pacific Entomology</i> , 2019, 22, 417-426.	0.4	3
129	Functional identification and characterization of midgut microbial flora derived from lepidopteran larvae <i>Spodoptera litura</i> Fab.. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 28, 101758.	1.5	3
130	Toxicity of <i>Suaeda maritima</i> (L) against the <i>Scirpophaga incertulas</i> (W) and <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> (Xoo) disease and its non-target effect on earthworm, <i>Eisenia fetida</i> Savigny. <i>Toxin Reviews</i> , 2022, 41, 143-153.	1.5	3
131	Impact of Climate Change on Communities, Response and Migration of Insects, Nematodes, Vectors and Natural Enemies in Diverse Ecosystems. , 2020, , 69-93.		3
132	Silica Amendment Enhances Resistance of Rice to Yellow Stem Borer <i>Scirpophaga incertulas</i> (Walker) with no Detrimental Effect on Non-target Organism <i>Eisenia fetida</i> (Savigny). <i>Silicon</i> , 2022, 14, 11939-11949.	1.8	3
133	The inhibitory action of plant extracts on the mycelial growth of <i>Ascosphaera apis</i> , the causative agent of chalkbrood disease in Honey bee. <i>Toxicology Reports</i> , 2022, 9, 713-719.	1.6	2
134	Influence of <i>Helicoverpa armigera</i> (Hbner) Diet on Its Parasitoid <i>Campoletis chloridae</i> Uchida. <i>International Journal of Tropical Insect Science</i> , 2000, 20, 23-31.	0.4	1
135	Characterization, Antimicrobial, Antioxidant, Antiglycemic and Larvicidal Activity of Green Synthesized Silver Nanoparticles Using <i>Xora brachiata</i> & <i>Roxb.</i> <i>SSRN Electronic Journal</i> , 0, , .	0.4	0