

# Panneerselvam Chellasamy

## List of Publications by Citations

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77  
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56  
g-index

78  
ext. papers

3,614  
ext. citations

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L-index

#	Paper	IF	Citations
77	Cymbopogon citratus-synthesized gold nanoparticles boost the predation efficiency of copepod Mesocyclops aspericornis against malaria and dengue mosquitoes. <i>Experimental Parasitology</i> , <b>2015</b> , 153, 129-38	2.1	194
76	Mosquitocidal and antibacterial activity of green-synthesized silver nanoparticles from Aloe vera extracts: towards an effective tool against the malaria vector Anopheles stephensi?. <i>Parasitology Research</i> , <b>2015</b> , 114, 1519-29	2.4	179
75	Tackling the growing threat of dengue: Phyllanthus niruri-mediated synthesis of silver nanoparticles and their mosquitocidal properties against the dengue vector Aedes aegypti (Diptera: Culicidae). <i>Parasitology Research</i> , <b>2015</b> , 114, 1551-62	2.4	155
74	Green-synthesized silver nanoparticles as a novel control tool against dengue virus (DEN-2) and its primary vector Aedes aegypti. <i>Parasitology Research</i> , <b>2015</b> , 114, 3315-25	2.4	147
73	Characterization and biotoxicity of Hypnea musciformis-synthesized silver nanoparticles as potential eco-friendly control tool against Aedes aegypti and Plutella xylostella. <i>Ecotoxicology and Environmental Safety</i> , <b>2015</b> , 121, 31-8	7	133
72	Toxicity of seaweed-synthesized silver nanoparticles against the filariasis vector Culex quinquefasciatus and its impact on predation efficiency of the cyclopoid crustacean Mesocyclops longisetus. <i>Parasitology Research</i> , <b>2015</b> , 114, 2243-53	2.4	124
71	Biolarvicidal and pupicidal potential of silver nanoparticles synthesized using Euphorbia hirta against Anopheles stephensi Liston (Diptera: Culicidae). <i>Parasitology Research</i> , <b>2012</b> , 111, 997-1006	2.4	116
70	S argassum muticum-synthesized silver nanoparticles: an effective control tool against mosquito vectors and bacterial pathogens. <i>Parasitology Research</i> , <b>2015</b> , 114, 4305-17	2.4	104
69	Old ingredients for a new recipe? Neem cake, a low-cost botanical by-product in the fight against mosquito-borne diseases. <i>Parasitology Research</i> , <b>2015</b> , 114, 391-7	2.4	94
68	Multipurpose effectiveness of Couroupita guianensis-synthesized gold nanoparticles: high antiparasmodial potential, field efficacy against malaria vectors and synergy with Aplocheilus lineatus predators. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 7543-58	5.1	92
67	Predation by Asian bullfrog tadpoles, Hoplobatrachus tigerinus, against the dengue vector, Aedes aegypti, in an aquatic environment treated with mosquitocidal nanoparticles. <i>Parasitology Research</i> , <b>2015</b> , 114, 3601-10	2.4	91
66	Myco-synthesis of silver nanoparticles using Metarhizium anisopliae against the rural malaria vector Anopheles culicifacies Giles (Diptera: Culicidae). <i>Journal of Pest Science</i> , <b>2016</b> , 89, 249-256	5.5	88
65	Evaluation of leaf aqueous extract and synthesized silver nanoparticles using Nerium oleander against Anopheles stephensi (Diptera: Culicidae). <i>Parasitology Research</i> , <b>2013</b> , 112, 981-90	2.4	81
64	Fern-synthesized nanoparticles in the fight against malaria: LC/MS analysis of Pteridium aquilinum leaf extract and biosynthesis of silver nanoparticles with high mosquitocidal and antiparasmodial activity. <i>Parasitology Research</i> , <b>2016</b> , 115, 997-1013	2.4	78
63	Seaweed-synthesized silver nanoparticles: an eco-friendly tool in the fight against Plasmodium falciparum and its vector Anopheles stephensi?. <i>Parasitology Research</i> , <b>2015</b> , 114, 4087-97	2.4	75
62	Eco-friendly control of malaria and arbovirus vectors using the mosquitofish Gambusia affinis and ultra-low dosages of Mimusops elengi-synthesized silver nanoparticles: towards an integrative approach?. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 20067-83	5.1	73
61	Fighting arboviral diseases: low toxicity on mammalian cells, dengue growth inhibition (in vitro), and mosquitocidal activity of Centroceras clavulatum-synthesized silver nanoparticles. <i>Parasitology Research</i> , <b>2016</b> , 115, 651-62	2.4	70

60	One-pot fabrication of silver nanocrystals using <i>Nicandra physalodes</i> : A novel route for mosquito vector control with moderate toxicity on non-target water bugs. <i>Research in Veterinary Science</i> , <b>2016</b> , 107, 95-101	2.5	68
59	In vivo and in vitro effectiveness of <i>Azadirachta indica</i> -synthesized silver nanocrystals against <i>Plasmodium berghei</i> and <i>Plasmodium falciparum</i> , and their potential against malaria mosquitoes. <i>Research in Veterinary Science</i> , <b>2016</b> , 106, 14-22	2.5	60
58	Earthworm-mediated synthesis of silver nanoparticles: A potent tool against hepatocellular carcinoma, <i>Plasmodium falciparum</i> parasites and malaria mosquitoes. <i>Parasitology International</i> , <b>2016</b> , 65, 276-84	2.1	60
57	Characterization and mosquitocidal potential of neem cake-synthesized silver nanoparticles: genotoxicity and impact on predation efficiency of mosquito natural enemies. <i>Parasitology Research</i> , <b>2016</b> , 115, 1015-25	2.4	54
56	Mosquito larvicidal, pupicidal, adulticidal, and repellent activity of <i>Artemisia nilagirica</i> (Family: Compositae) against <i>Anopheles stephensi</i> and <i>Aedes aegypti</i> . <i>Parasitology Research</i> , <b>2012</b> , 111, 2241-51	2.4	52
55	DNA barcoding and molecular evolution of mosquito vectors of medical and veterinary importance. <i>Parasitology Research</i> , <b>2016</b> , 115, 107-21	2.4	50
54	Adulticidal, repellent, and ovicidal properties of indigenous plant extracts against the malarial vector, <i>Anopheles stephensi</i> (Diptera: Culicidae). <i>Parasitology Research</i> , <b>2013</b> , 112, 679-92	2.4	49
53	Control of dengue and Zika virus vector <i>Aedes aegypti</i> using the predatory copepod <i>Megacyclops formosanus</i> : Synergy with <i>Hedychium coronarium</i> -synthesized silver nanoparticles and related histological changes in targeted mosquitoes. <i>Chemical Engineering Research and Design</i> , <b>2017</b> , 109, 82-96	5.5	46
52	Biosynthesis, mosquitocidal and antibacterial properties of <i>Toddalia asiatica</i> -synthesized silver nanoparticles: do they impact predation of guppy <i>Poecilia reticulata</i> against the filariasis mosquito <i>Culex quinquefasciatus</i> ?. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 17053-64	5.1	46
51	Mosquitocidal and antiplasmodial activity of <i>Senna occidentalis</i> (Cassiae) and <i>Ocimum basilicum</i> (Lamiaceae) from Maruthamalai hills against <i>Anopheles stephensi</i> and <i>Plasmodium falciparum</i> . <i>Parasitology Research</i> , <b>2015</b> , 114, 3657-64	2.4	46
50	<i>Datura metel</i> -synthesized silver nanoparticles magnify predation of dragonfly nymphs against the malaria vector <i>Anopheles stephensi</i> . <i>Parasitology Research</i> , <b>2015</b> , 114, 4645-54	2.4	45
49	<i>Suaeda maritima</i> -based herbal coils and green nanoparticles as potential biopesticides against the dengue vector <i>Aedes aegypti</i> and the tobacco cutworm <i>Spodoptera litura</i> . <i>Physiological and Molecular Plant Pathology</i> , <b>2018</b> , 101, 225-235	2.6	44
48	Eco-friendly drugs from the marine environment: spongeweed-synthesized silver nanoparticles are highly effective on <i>Plasmodium falciparum</i> and its vector <i>Anopheles stephensi</i> , with little non-target effects on predatory copepods. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 16671-85	5.1	44
47	Fern-synthesized silver nanocrystals: Towards a new class of mosquito oviposition deterrents?. <i>Research in Veterinary Science</i> , <b>2016</b> , 109, 40-51	2.5	44
46	<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> , <b>2018</b> , 101, 202-213	2.6	43
45	<i>Aristolochia indica</i> green-synthesized silver nanoparticles: A sustainable control tool against the malaria vector <i>Anopheles stephensi</i> ?. <i>Research in Veterinary Science</i> , <b>2015</b> , 102, 127-35	2.5	37
44	Carbon and silver nanoparticles in the fight against the filariasis vector <i>Culex quinquefasciatus</i> : genotoxicity and impact on behavioral traits of non-target aquatic organisms. <i>Parasitology Research</i> , <b>2016</b> , 115, 1071-83	2.4	33
43	Mosquitocidal activity of <i>Solanum xanthocarpum</i> fruit extract and copepod <i>Mesocyclops thermocyclopoides</i> for the control of dengue vector <i>Aedes aegypti</i> . <i>Parasitology Research</i> , <b>2012</b> , 111, 609-18	2.4	33

42	Exploring genetic variation in haplotypes of the filariasis vector <i>Culex quinquefasciatus</i> (Diptera: Culicidae) through DNA barcoding. <i>Acta Tropica</i> , <b>2017</b> , 169, 43-50	3.2	29
41	Adulticidal and repellent properties of <i>Cassia tora</i> Linn. (Family: Caesalpinaceae) against <i>Culex quinquefasciatus</i> , <i>Aedes aegypti</i> , and <i>Anopheles stephensi</i> . <i>Parasitology Research</i> , <b>2012</b> , 111, 1953-64	2.4	28
40	Green-synthesized CdS nano-pesticides: Toxicity on young instars of malaria vectors and impact on enzymatic activities of the non-target mud crab <i>Scylla serrata</i> . <i>Aquatic Toxicology</i> , <b>2017</b> , 188, 100-108	5.1	26
39	Seagrasses as Sources of Mosquito Nano-Larvicides? Toxicity and Uptake of Halodule uninervis-Biofabricated Silver Nanoparticles in Dengue and Zika Virus Vector <i>Aedes aegypti</i> . <i>Journal of Cluster Science</i> , <b>2017</b> , 28, 565-580	3	24
38	Phytochemical analysis of <i>Rhazya stricta</i> extract and its use in fabrication of silver nanoparticles effective against mosquito vectors and microbial pathogens. <i>Science of the Total Environment</i> , <b>2020</b> , 700, 134443	10.2	24
37	Chitosan-fabricated Ag nanoparticles and larvivorous fishes: a novel route to control the coastal malaria vector <i>Anopheles sundaicus</i> ?. <i>Hydrobiologia</i> , <b>2017</b> , 797, 335-350	2.4	23
36	The desert wormwood ( <i>Artemisia herba-alba</i> ) - From Arabian folk medicine to a source of green and effective nano-insecticides against mosquito vectors. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2018</b> , 180, 225-234	6.7	23
35	Laboratory and field evaluation of medicinal plant extracts against filarial vector, <i>Culex quinquefasciatus</i> Say (Diptera: Culicidae). <i>Parasitology Research</i> , <b>2012</b> , 110, 2105-15	2.4	23
34	Mosquitocidal properties of <i>Calotropis gigantea</i> (Family: Asclepiadaceae) leaf extract and bacterial insecticide, <i>Bacillus thuringiensis</i> , against the mosquito vectors. <i>Parasitology Research</i> , <b>2012</b> , 111, 531-44	2.4	23
33	Nanofabrication of Graphene Quantum Dots with High Toxicity Against Malaria Mosquitoes, <i>Plasmodium falciparum</i> and MCF-7 Cancer Cells: Impact on Predation of Non-target Tadpoles, Odonate Nymphs and Mosquito Fishes. <i>Journal of Cluster Science</i> , <b>2017</b> , 28, 393-411	3	22
32	Rapid biosynthesis of silver nanoparticles using <i>Crotalaria verrucosa</i> leaves against the dengue vector <i>Aedes aegypti</i> : what happens around? An analysis of dragonfly predatory behaviour after exposure at ultra-low doses. <i>Natural Product Research</i> , <b>2016</b> , 30, 826-33	2.3	20
31	One pot synthesis of silver nanocrystals using the seaweed <i>Gracilaria edulis</i> : biophysical characterization and potential against the filariasis vector <i>Culex quinquefasciatus</i> and the midge <i>Chironomus circumdatus</i> . <i>Journal of Applied Phycology</i> , <b>2017</b> , 29, 649-659	3.2	20
30	Managing wastes as green resources: cigarette butt-synthesized pesticides are highly toxic to malaria vectors with little impact on predatory copepods. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 10456-10470	5.1	16
29	Larvicidal efficacy of <i>Catharanthus roseus</i> Linn. (Family: Apocynaceae) leaf extract and bacterial insecticide <i>Bacillus thuringiensis</i> against <i>Anopheles stephensi</i> Liston. <i>Asian Pacific Journal of Tropical Medicine</i> , <b>2013</b> , 6, 847-53	2.1	16
28	Predatory efficiency of the copepod <i>Megacyclops formosanus</i> and toxic effect of the red alga <i>Gracilaria firma</i> -synthesized silver nanoparticles against the dengue vector <i>Aedes aegypti</i> . <i>Hydrobiologia</i> , <b>2017</b> , 785, 359-372	2.4	16
27	Genetic deviation in geographically close populations of the dengue vector <i>Aedes aegypti</i> (Diptera: Culicidae): influence of environmental barriers in South India. <i>Parasitology Research</i> , <b>2016</b> , 115, 1149-60	2.4	14
26	Green-synthesised nanoparticles from <i>Melia azedarach</i> seeds and the cyclopoid crustacean <i>Cyclops vernalis</i> : an eco-friendly route to control the malaria vector <i>Anopheles stephensi</i> ?. <i>Natural Product Research</i> , <b>2016</b> , 30, 2077-84	2.3	14
25	Mangrove Helps: <i>Sonneratia alba</i> -Synthesized Silver Nanoparticles Magnify Guppy Fish Predation Against <i>Aedes aegypti</i> Young Instars and Down-Regulate the Expression of Envelope (E) Gene in Dengue Virus (Serotype DEN-2). <i>Journal of Cluster Science</i> , <b>2017</b> , 28, 437-461	3	13

24	Encapsulation of sea fennel ( <i>Crithmum maritimum</i> ) essential oil in nanoemulsion and SiO <sub>2</sub> nanoparticles for treatment of the crop pest <i>Spodoptera litura</i> and the dengue vector <i>Aedes aegypti</i> . <i>Industrial Crops and Products</i> , <b>2020</b> , 158, 113033	5.9	12
23	One-Step Synthesis of Ag Nanoparticles Using Aqueous Extracts from Sundarbans Mangroves Revealed High Toxicity on Major Mosquito Vectors and Microbial Pathogens. <i>Journal of Cluster Science</i> , <b>2020</b> , 31, 177-184	3	12
22	Effectiveness of seven mosquito larvicides against the West Nile vector <i>Culex pipiens</i> (L.) in Saudi Arabia. <i>Asian Pacific Journal of Tropical Disease</i> , <b>2016</b> , 6, 361-365		8
21	Neem by-products in the fight against mosquito-borne diseases: Biototoxicity of neem cake fractions towards the rural malaria vector <i>Anopheles culicifacies</i> (Diptera: Culicidae). <i>Asian Pacific Journal of Tropical Biomedicine</i> , <b>2016</b> , 6, 472-476	1.4	8
20	Bismuth Oxyiodide Nanoflakes Showed Toxicity Against the Malaria Vector <i>Anopheles stephensi</i> and In Vivo Antiplasmodial Activity. <i>Journal of Cluster Science</i> , <b>2018</b> , 29, 337-344	3	7
19	Solution Combustion Synthesis of Hierarchically Structured V <sub>2</sub> O <sub>5</sub> Nanoflakes: Efficacy Against <i>Plasmodium falciparum</i> , <i>Plasmodium berghei</i> and the Malaria Vector <i>Anopheles stephensi</i> . <i>Journal of Cluster Science</i> , <b>2017</b> , 28, 2337-2348	3	6
18	Insecticide susceptibility in larval populations of the West Nile vector <i>Culex pipiens</i> L. (Diptera: Culicidae) in Saudi Arabia. <i>Asian Pacific Journal of Tropical Biomedicine</i> , <b>2016</b> , 6, 390-395	1.4	6
17	Neem cake as a promising larvicide and adulticide against the rural malaria vector <i>Anopheles culicifacies</i> (Diptera: Culicidae): a HPTLC fingerprinting approach. <i>Natural Product Research</i> , <b>2017</b> , 31, 1185-1190	2.3	6
16	Efficacy of chitosan silver nanoparticles from shrimp-shell wastes against major mosquito vectors of public health importance. <i>Green Processing and Synthesis</i> , <b>2020</b> , 9, 675-684	3.9	5
15	(Ethkher) ameliorates cadmium induced toxicity in swiss albino mice. <i>Saudi Journal of Biological Sciences</i> , <b>2019</b> , 26, 1875-1881	4	5
14	Post treated PEDOT-PSS films with excellent conductivity and optical properties as multifunctional flexible electrodes for possible optoelectronic and energy storage applications. <i>Optical Materials</i> , <b>2022</b> , 125, 112109	3.3	5
13	Bovine serum albumin functionalized blue emitting Ti C MXene Quantum Dots as a sensitive fluorescence probe for Fe ions detection and its toxicity analysis.. <i>Luminescence</i> , <b>2022</b> ,	2.5	4
12	Synthesis of new series of quinoline derivatives with insecticidal effects on larval vectors of malaria and dengue diseases.. <i>Scientific Reports</i> , <b>2022</b> , 12, 4765	4.9	4
11	Ultrasonic Technology Applied against Mosquito Larvae. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 3546	2.6	3
10	Insecticidal, antibacterial and dye adsorbent properties of <i>Sargassum muticum</i> decorated nano-silver particles. <i>South African Journal of Botany</i> , <b>2021</b> , 139, 432-441	2.9	3
9	DNA Barcoding in the Marine Habitat: An Overview <b>2016</b> , 3-28		3
8	Slow release formulations of <i>Bacillus thuringiensis israelensis</i> (AM 65-52) and spinosyns: effectiveness against the West Nile vector <i>Culex pipiens</i> in Saudi Arabia. <i>Asian Pacific Journal of Tropical Disease</i> , <b>2016</b> , 6, 533-538		2
7	Green Nanoarchitectonics of ZnO Nanoparticles from <i>Clitoria ternatea</i> Flower Extract for In Vitro Anticancer and Antibacterial Activity: Inhibits MCF-7 Cell Proliferation via Intrinsic Apoptotic Pathway. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> ,1	3.2	2

6	Seed dispersal by ungulates in the point calimere wildlife sanctuary: A scientific and perspective analysis. <i>Saudi Journal of Biological Sciences</i> , <b>2020</b> , 27, 2790-2797	4	1
5	Efficacy and side effects of bio-fabricated sardine fish scale silver nanoparticles against malarial vector <i>Anopheles stephensi</i> . <i>Scientific Reports</i> , <b>2021</b> , 11, 19567	4.9	1
4	Cigarette butt waste derived activated carbon incorporated silver nanoparticle (AC-Ag): Effective nanocomposite for anti-bacterial and anti-larval activity in wastewater remediation. <i>Materials Letters</i> , <b>2022</b> , 313, 131809	3.3	0
3	Monitoring Diptera species of medical and veterinary importance in Saudi Arabia: Comparative efficacy of lure-baited and thigmotactic traps. <i>Karbala International Journal of Modern Science</i> , <b>2016</b> , 2, 259-265	4.6	0
2	Graphitic Carbon Nitride Decorated with Iron Oxide Nanoparticles as a Novel High-Performance Biomimetic Electrochemical Sensing Platform for Paracetamol Detection. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 1	3.2	0
1	Anticancer activity of bioactive compound chavicol as potential toxic against human lung cancer A549 cells. <i>Journal of Drug Delivery Science and Technology</i> , <b>2022</b> , 103442	4.5	