

# Vellingiri Vadivel

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60  
papers

1,076  
citations

18  
h-index

31  
g-index

63  
ext. papers

1,321  
ext. citations

3.7  
avg. IF

5.01  
L-index

#	Paper	IF	Citations
60	Anti-virulence properties of catechin-in-cyclodextrin-in-phospholipid liposome through down-regulation of gene expression in MRSA strains.. <i>Microbial Pathogenesis</i> , <b>2022</b> , 167, 105585	3.8	2
59	Apoptotic mechanisms of myricitrin isolated from Madhuca longifolia leaves in HL-60 leukemia cells. <i>Molecular Biology Reports</i> , <b>2021</b> , 48, 5327-5334	2.8	
58	Jacalin Hydrocolloid Nanoconjugates Mitigate Methicillin Resistant Staphylococcus aureus (MRSA) Biofilms on Meat Products. <i>ACS Food Science &amp; Technology</i> , <b>2021</b> , 1, 1030-1040		
57	Vitexin isolated from Prosopis cineraria leaves induce apoptosis in K-562 leukemia cells via inhibition of the BCR-ABL-Ras-Raf pathway. <i>Journal of Pharmacy and Pharmacology</i> , <b>2021</b> ,	4.8	2
56	ROS Mediated Cytotoxicity Exhibited by Cashewnut Shell Extract Coated AgNPs Against Staphylococcus aureus Isolated from Milk. <i>Journal of Cluster Science</i> , <b>2021</b> , 32, 531-547	3	2
55	Utilization of Anthocyanins-Rich Extract from Banana Bract in the Green Synthesis of AgNPs with Anti-proliferative Potential. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , <b>2021</b> , 91, 397-406	1.4	
54	Development and characterization of catechin-in-cyclodextrin-in-phospholipid liposome to eradicate MRSA-mediated surgical site infection: Investigation of their anti-infective efficacy through in vitro and in vivo studies. <i>International Journal of Pharmaceutics</i> , <b>2021</b> , 609, 121130	6.5	2
53	Pharmacokinetic properties and anti-proliferative mechanisms of vanillin against acute lymphoblastic leukemia (Jurkat) cells. <i>South African Journal of Botany</i> , <b>2021</b> , 142, 82-87	2.9	1
52	In vitro studies on antioxidant and cyto-protective activities of polyphenol-rich fraction isolated from Mangifera indica leaf. <i>South African Journal of Botany</i> , <b>2020</b> , 130, 396-406	2.9	3
51	Effect of Nanoemulsification on the Antibacterial and Anti-biofilm Activities of Selected Spice Essential Oils and Their Major Constituents Against Salmonella enterica Typhimurium. <i>Journal of Cluster Science</i> , <b>2020</b> , 31, 1123-1135	3	9
50	Oxidative stress mediated cytotoxicity in leukemia cells induced by active phyto-constituents isolated from traditional herbal drugs of West Bengal. <i>Journal of Ethnopharmacology</i> , <b>2020</b> , 251, 112527 <sup>5</sup>		9
49	Citral and linalool nanoemulsions: impact of synergism and ripening inhibitors on the stability and antibacterial activity against. <i>Journal of Food Science and Technology</i> , <b>2020</b> , 57, 1495-1504	3.3	7
48	Citral nanoemulsion incorporated edible coating to extend the shelf life of fresh cut pineapples. <i>LWT - Food Science and Technology</i> , <b>2020</b> , 118, 108851	5.4	45
47	Implementation of Auto-Hydrolysis Process for the Recovery of Antioxidants and Cellulose from Wheat Straw. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 6112	2.6	8
46	Gallic Acid an Agricultural Byproduct Modulates the Biofilm Matrix Exopolysaccharides of the Phytopathogen Ralstonia solanacearum. <i>Current Microbiology</i> , <b>2020</b> , 77, 3339-3354	2.4	9
45	Catechin isolated from cashew nut shell exhibits antibacterial activity against clinical isolates of MRSA through ROS-mediated oxidative stress. <i>Applied Microbiology and Biotechnology</i> , <b>2020</b> , 104, 8279-8297	5.7	14
44	Investigation of phytochemical constituents of anti-leukemic herbal drugs used by the traditional healers of Purulia, Birbhum and Bankura districts of West Bengal. <i>Natural Product Research</i> , <b>2020</b> , 34, 3388-3393	2.3	6

43	Antibacterial and antibiofilm activities of linalool nanoemulsions against Salmonella Typhimurium. <i>Food Bioscience</i> , <b>2019</b> , 28, 57-65	4.9	51
42	Agro food by-products and essential oil constituents curtail virulence and biofilm of <i>Vibrio harveyi</i> . <i>Microbial Pathogenesis</i> , <b>2019</b> , 135, 103633	3.8	8
41	Antioxidant and cytoprotective properties of loganic acid isolated from seeds of <i>L.</i> against heavy metal induced toxicity in PBMC model. <i>Drug and Chemical Toxicology</i> , <b>2019</b> , 1-11	2.3	2
40	Synthesis of spheroid shaped silver nanoparticles using Indian traditional medicinal plant <i>Flacourtia indica</i> and their in vitro anti-proliferative activity. <i>Materials Research Express</i> , <b>2019</b> , 6, 045032	1.7	5
39	Green synthesis of silver nanoparticles using <i>Nardostachys jatamansi</i> and evaluation of its anti-biofilm effect against classical colonizers. <i>Microbial Pathogenesis</i> , <b>2019</b> , 126, 1-5	3.8	19
38	Microscopic, phytochemical, HPTLC, GCMS and NIRS methods to differentiate herbal adulterants: Pepper and papaya seeds. <i>Journal of Herbal Medicine</i> , <b>2018</b> , 11, 36-45	2.3	16
37	Exploring the antivirulent and sea food preservation efficacy of essential oil combined with DNase on <i>Vibrio parahaemolyticus</i> . <i>LWT - Food Science and Technology</i> , <b>2018</b> , 95, 107-115	5.4	16
36	Potential anti-proliferative activity of AgNPs synthesized using <i>M. longifolia</i> in 4T1 cell line through ROS generation and cell membrane damage. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2018</b> , 186, 160-168	6.7	13
35	Use of agricultural waste (coconut shell) for the synthesis of silver nanoparticles and evaluation of their antibacterial activity against selected human pathogens. <i>Microbial Pathogenesis</i> , <b>2018</b> , 124, 30-37	3.8	39
34	In vitro antibacterial activity of nut by-products against foodborne pathogens and their application in fresh-cut fruit model. <i>Journal of Food Science and Technology</i> , <b>2018</b> , 55, 4304-4310	3.3	10
33	Gallic acid-coated silver nanoparticle alters the expression of radiation-induced epithelial-mesenchymal transition in non-small lung cancer cells. <i>Toxicology in Vitro</i> , <b>2018</b> , 52, 170-177	3.6	29
32	Essential oil based nanoemulsions to improve the microbial quality of minimally processed fruits and vegetables: A review. <i>Food Research International</i> , <b>2018</b> , 111, 509-523	7	114
31	Effects of an acid/alkaline treatment on the release of antioxidants and cellulose from different agro-food wastes. <i>Waste Management</i> , <b>2017</b> , 64, 305-314	8.6	15
30	Preparation, characterization and in vitro antioxidant and cytotoxicity studies of some 2,4-dichloro-N-[di(alkyl/aryl)carbamothioyl] benzamide derivatives. <i>Chemical Data Collections</i> , <b>2017</b> , 9-10, 263-276	2.1	4
29	Studies on physicochemical and nutritional properties of aerial parts of <i>Cassia occidentalis</i> L. <i>Journal of Food and Drug Analysis</i> , <b>2016</b> , 24, 508-515	7	15
28	Synthesis of biofunctionalized AgNPs using medicinally important <i>Sida cordifolia</i> leaf extract for enhanced antioxidant and anticancer activities. <i>Materials Letters</i> , <b>2016</b> , 170, 101-104	3.3	23
27	DOCKING STUDIES ON ANTIDIABETIC MOLECULAR TARGETS OF PHYTOCHEMICAL COMPOUNDS OF <i>SYZYGIUM CUMINI</i> (L.) SKEELS. <i>Asian Journal of Pharmaceutical and Clinical Research</i> , <b>2016</b> , 9, 287	0.4	4
26	Insights on the influence of microwave irradiation on the extraction of flavonoids from <i>Terminalia chebula</i> . <i>Separation and Purification Technology</i> , <b>2016</b> , 170, 224-233	8.3	24

25	Silver nanoparticle synthesis using Clerodendrum phlomidis leaf extract and preliminary investigation of its antioxidant and anticancer activities. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 220, 926-930 <sup>6</sup>		63
24	Antioxidant property of solvent extract and acid/alkali hydrolysates from rice hulls. <i>Food Bioscience</i> , <b>2015</b> , 11, 85-91	4.9	22
23	RELATIONSHIP BETWEEN INDIGENOUS PROCESSING METHODS OF XYLIA XYLOCARPA SEEDS AND THEIR TOTAL FREE PHENOLICS, ANTIOXIDANT ACTIVITY AND HEALTH-RELEVANT FUNCTIONALITY. <i>Journal of Food Biochemistry</i> , <b>2013</b> , 37, 343-352	3.3	
22	Antioxidant potential and health relevant functionality of Bauhinia purpurea L. seeds. <i>British Food Journal</i> , <b>2013</b> , 115, 1025-1037	2.8	1
21	Bioactive Compounds in Velvet Bean Seeds: Effect of Certain Indigenous Processing Methods. <i>International Journal of Food Properties</i> , <b>2012</b> , 15, 1069-1085	3	8
20	Effect of certain indigenous processing methods on the bioactive compounds of ten different wild type legume grains. <i>Journal of Food Science and Technology</i> , <b>2012</b> , 49, 673-84	3.3	20
19	Total phenolic content, antioxidant and antidiabetic properties of methanolic extract of raw and traditionally processed Kenyan indigenous food ingredients. <i>LWT - Food Science and Technology</i> , <b>2012</b> , 45, 269-276	5.4	73
18	Health benefits of nut consumption with special reference to body weight control. <i>Nutrition</i> , <b>2012</b> , 28, 1089-97	4.8	74
17	Antioxidant Potential and Type II Diabetes-Related Enzyme Inhibition of Cassia obtusifolia L.: Effect of Indigenous Processing Methods. <i>Food and Bioprocess Technology</i> , <b>2012</b> , 5, 2687-2696	5.1	18
16	Bioactive compounds extracted from Indian wild legume seeds: antioxidant and type II diabetes-related enzyme inhibition properties. <i>International Journal of Food Sciences and Nutrition</i> , <b>2012</b> , 63, 242-5	3.7	15
15	Nutrient density score of typical Indonesian foods and dietary formulation using linear programming. <i>Public Health Nutrition</i> , <b>2012</b> , 15, 2185-92	3.3	5
14	Dietary formulation to overcome micronutrient deficiency status in Indonesia. <i>Nutrition and Food Science</i> , <b>2012</b> , 42, 362-370	1.5	3
13	Development, acceptability, and nutritional characteristics of a low-cost, shelf-stable supplementary food product for vulnerable groups in Kenya. <i>Food and Nutrition Bulletin</i> , <b>2012</b> , 33, 43-52 <sup>1.8</sup>		7
12	Antioxidant, free radical scavenging and type II diabetes-related enzyme inhibition properties of traditionally processed Jequirity bean ( <i>Abrus precatorius</i> L.). <i>International Journal of Food Science and Technology</i> , <b>2011</b> , 46, 2505-2512	3.8	8
11	Antioxidant and antidiabetic properties of condensed tannins in acetonetic extract of selected raw and processed indigenous food ingredients from Kenya. <i>Journal of Food Science</i> , <b>2011</b> , 76, C560-7	3.4	52
10	Contribution of phenolic compounds to the antioxidant potential and type II diabetes related enzyme inhibition properties of Pongamia pinnata L. Pierre seeds. <i>Process Biochemistry</i> , <b>2011</b> , 46, 1973-1980	4.8	42
9	Antioxidant potential and health relevant functionality of traditionally processed Cassia hirsuta L. seeds: an Indian underutilized food legume. <i>Plant Foods for Human Nutrition</i> , <b>2011</b> , 66, 245-53	3.9	16
8	Total phenolic content, antioxidant activity, and type II diabetes related functionality of traditionally processed ox-eye bean [ <i>Mucuna gigantea</i> (Willd) DC.] seeds: An Indian underutilized food legume. <i>Food Science and Biotechnology</i> , <b>2011</b> , 20, 783-791	3	5

7	Flavonoid content in ethanolic extracts of selected raw and traditionally processed indigenous foods consumed by vulnerable groups of Kenya: antioxidant and type II diabetes-related functional properties. <i>International Journal of Food Sciences and Nutrition</i> , <b>2011</b> , 62, 465-73	3.7	7
6	Catechin and epicatechin in testa and their association with bioactive compounds in kernels of cashew nut ( <i>Anacardium occidentale</i> L.). <i>Food Chemistry</i> , <b>2011</b> , 128, 1094-1099	8.5	28
5	Antioxidant and type 2 diabetes related functional properties of phytic acid extract from Kenyan local food ingredients: effects of traditional processing methods. <i>Ecology of Food and Nutrition</i> , <b>2011</b> , 50, 452-71	1.9	22
4	Bioactive compounds in cashew nut ( <i>Anacardium occidentale</i> L.) kernels: effect of different shelling methods. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 5341-6	5.7	39
3	Studies on the incorporation of velvet bean ( <i>Mucuna pruriens</i> var. <i>utilis</i> ) as an alternative protein source in poultry feed and its effect on growth performance of broiler chickens. <i>Tropical Animal Health and Production</i> , <b>2010</b> , 42, 1367-76	1.7	6
2	EFFECT OF VARIOUS PROCESSING METHODS ON THE LEVELS OF ANTINUTRITIONAL CONSTITUENTS AND PROTEIN DIGESTIBILITY OF MUCUNA PRURIENS (L.) DC. VAR. UTILIS (WALL. EX WIGHT) BAKER EX BURCK (VELVET BEAN) SEEDS. <i>Journal of Food Biochemistry</i> , <b>2008</b> , 32, 795-812	3.3	11
1	Evaluation of total phenolic content and antioxidant activity of different solvent extracts of leaf material of <i>Spathodea campanulata</i> P. Beauv. and investigation of their proliferation inhibition potential against EAC cell line. <i>Journal of Applied Pharmaceutical Science</i> , 121-127	2	3