

# Ravigadevi Sambanthamurthi

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

2,458  
citations

331670

21  
h-index

214800

47  
g-index

58  
all docs

58  
docs citations

58  
times ranked

2865  
citing authors

#	ARTICLE	IF	CITATIONS
1	Water-soluble palm fruit extract: composition, biological properties, and molecular mechanisms for health and non-health applications. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 9076-9092.	10.3	3
2	Protoplast Isolation and Transformation in Oil. <i>Methods in Molecular Biology</i> , 2022, 2464, 187-202.	0.9	4
3	Candidate genes linked to QTL regions associated with fatty acid composition in oil palm. <i>Biologia (Poland)</i> , 2021, 76, 267-279.	1.5	4
4	Comparison of quantitative trait loci (QTLs) associated with yield components in two commercial Dura and Pisifera breeding crosses. <i>Euphytica</i> , 2021, 217, 1.	1.2	3
5	A genetic platform for predicting and reducing non-tenera contamination in oil palm ( <i>Elaeis</i> ) Tj ETQq1 1 0.784314 $\frac{rgBT}{Overlock}$ 10 $\frac{TF}{E}$	1.6	2
6	Characterization of Oil Palm Acyl-CoA-Binding Proteins and Correlation of Their Gene Expression with Oil Synthesis. <i>Plant and Cell Physiology</i> , 2020, 61, 735-747.	3.1	14
7	Variation for heterodimerization and nuclear localization among known and novel oil palm SHELL alleles. <i>New Phytologist</i> , 2020, 226, 426-440.	7.3	11
8	Expression of fatty acid and triacylglycerol synthesis genes in interspecific hybrids of oil palm. <i>Scientific Reports</i> , 2020, 10, 16296.	3.3	4
9	Identification of reference genes for real-time polymerase chain reaction gene expression studies in Nile rats fed Water-Soluble Palm Fruit Extract. <i>Molecular Biology Reports</i> , 2020, 47, 9409-9427.	2.3	2
10	Consumption of an Oil Palm Fruit Extract Promotes Large Bowel Health in Rats. <i>Nutrients</i> , 2020, 12, 644.	4.1	2
11	Sustainable Palm Oil – The Role of Screening and Advanced Analytical Techniques for Geographical Traceability and Authenticity Verification. <i>Molecules</i> , 2020, 25, 2927.	3.8	8
12	Omics – A Potential Tool for Oil Palm Improvement and Productivity. <i>Compendium of Plant Genomes</i> , 2020, , 141-157.	0.5	1
13	Oil Palm Genome: Strategies and Applications. <i>Compendium of Plant Genomes</i> , 2020, , 83-115.	0.5	2
14	Palm Fruit Bioactives augment expression of Tyrosine Hydroxylase in the Nile Grass Rat basal ganglia and alter the colonic microbiome. <i>Scientific Reports</i> , 2019, 9, 18625.	3.3	7
15	<i>Drosophila</i> larvae fed palm fruit juice (PFJ) delay pupation via expression regulation of hormetic stress response genes linked to ageing and longevity. <i>Experimental Gerontology</i> , 2018, 106, 198-221.	2.8	13
16	Palm Fruit Bioactives modulate human astrocyte activity in vitro altering the cytokine secretome reducing levels of TNF $\alpha$ , RANTES and IP-10. <i>Scientific Reports</i> , 2018, 8, 16423.	3.3	17
17	Putative regulatory candidate genes for QTL linked to fruit traits in oil palm ( <i>Elaeis guineensis</i> Jacq.). <i>Euphytica</i> , 2018, 214, 1.	1.2	6
18	A phase I single-blind clinical trial to evaluate the safety of oil palm phenolics (OPP) supplementation in healthy volunteers. <i>Scientific Reports</i> , 2018, 8, 8217.	3.3	9

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19	Oil Palm Phenolics Inhibit the <i>In Vitro</i> Aggregation of $\text{A}\beta$ -Amyloid Peptide into Oligomeric Complexes. <i>International Journal of Alzheimer's Disease</i> , 2018, 2018, 1-12.	2.0	14
20	Comparative genomic and transcriptomic analysis of selected fatty acid biosynthesis genes and CNL disease resistance genes in oil palm. <i>PLoS ONE</i> , 2018, 13, e0194792.	2.5	16
21	Evidence-based gene models for structural and functional annotations of the oil palm genome. <i>Biology Direct</i> , 2017, 12, 21.	4.6	24
22	Non-tenera Contamination and the Economic Impact of SHELL Genetic Testing in the Malaysian Independent Oil Palm Industry. <i>Frontiers in Plant Science</i> , 2016, 7, 771.	3.6	26
23	Fine-mapping and cross-validation of QTLs linked to fatty acid composition in multiple independent interspecific crosses of oil palm. <i>BMC Genomics</i> , 2016, 17, 289.	2.8	32
24	Hepatic transcriptome implications for palm fruit juice deterrence of type 2 diabetes mellitus in young male Nile rats. <i>Genes and Nutrition</i> , 2016, 11, 29.	2.5	17
25	Biotechnology of oil palm: strategies towards manipulation of lipid content and composition. <i>Plant Cell Reports</i> , 2015, 34, 533-543.	5.6	45
26	Effect of oil palm phenolics on gastrointestinal transit, contractility and motility in the rat. <i>Journal of Functional Foods</i> , 2015, 17, 928-937.	3.4	9
27	Loss of Karma transposon methylation underlies the $\Delta$ mantled somaclonal variant of oil palm. <i>Nature</i> , 2015, 525, 533-537.	27.8	405
28	Efficient Transformation of Oil Palm Protoplasts by PEG-Mediated Transfection and DNA Microinjection. <i>PLoS ONE</i> , 2014, 9, e96831.	2.5	95
29	Anti-diabetic effects of palm fruit juice in the Nile rat ( <i>Arvicanthis niloticus</i> ). <i>Journal of Nutritional Science</i> , 2014, 3, e5.	1.9	27
30	High density SNP and SSR-based genetic maps of two independent oil palm hybrids. <i>BMC Genomics</i> , 2014, 15, 309.	2.8	70
31	The oil palm VIRESCENS gene controls fruit colour and encodes a R2R3-MYB. <i>Nature Communications</i> , 2014, 5, 4106.	12.8	67
32	Oil palm phenolics and vitamin E reduce atherosclerosis in rabbits. <i>Journal of Functional Foods</i> , 2014, 7, 541-550.	3.4	37
33	The oil palm SHELL gene controls oil yield and encodes a homologue of SEEDSTICK. <i>Nature</i> , 2013, 500, 340-344.	27.8	167
34	Oil palm phenolics attenuate changes caused by an atherogenic diet in mice. <i>European Journal of Nutrition</i> , 2013, 52, 443-456.	3.9	17
35	Regeneration of viable oil palm plants from protoplasts by optimizing media components, growth regulators and cultivation procedures. <i>Plant Science</i> , 2013, 210, 118-127.	3.6	26
36	Gene Expression Changes in Spleens and Livers of Tumour-Bearing Mice Suggest Delayed Inflammation and Attenuated Cachexia in Response to Oil Palm Phenolics. <i>Journal of Nutrigenetics and Nutrigenomics</i> , 2013, 6, 305-326.	1.3	9

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37	Oil palm phenolics confer neuroprotective effects involving cognitive and motor functions in mice. <i>Nutritional Neuroscience</i> , 2013, 16, 207-217.	3.1	24
38	Oil palm genome sequence reveals divergence of interfertile species in Old and New worlds. <i>Nature</i> , 2013, 500, 335-339.	27.8	468
39	Tissue Culture and Genetic Engineering of Oil Palm. , 2012, , 87-135.		8
40	Modelling lipid biosynthesis pathways of oil palm by boolean and graphical approaches. , 2011, , .		0
41	Differential transcriptomic profiles effected by oil palm phenolics indicate novel health outcomes. <i>BMC Genomics</i> , 2011, 12, 432.	2.8	20
42	Positive outcomes of oil palm phenolics on degenerative diseases in animal models. <i>British Journal of Nutrition</i> , 2011, 106, 1664-1675.	2.3	29
43	Oil palm vegetation liquor: a new source of phenolic bioactives. <i>British Journal of Nutrition</i> , 2011, 106, 1655-1663.	2.3	57
44	Opportunities for the Oil Palm via Breeding and Biotechnology. , 2009, , 377-421.		18
45	Valorisation of palm byâ€products as functional components. <i>European Journal of Lipid Science and Technology</i> , 2007, 109, 380-393.	1.5	53
46	Antioxidant properties of palm fruit extracts. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2005, 14, 319-24.	0.4	25
47	Palm fruit chemistry and nutrition. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2003, 12, 355-62.	0.4	150
48	Chemistry and biochemistry of palm oil. <i>Progress in Lipid Research</i> , 2000, 39, 507-558.	11.6	298
49	Acetyl-CoA Carboxylase Activity in the Oil Palm. , 1997, , 26-28.		1
50	Oil palm ( <i>Elaeis guineensis</i> ) protoplasts: isolation, culture and microcallus formation. <i>Plant Cell, Tissue and Organ Culture</i> , 1996, 46, 35-41.	2.3	14
51	Factors Affecting Lipase Activity in the Oil Palm ( <i>Elaeis Guineensis</i> ) Mesocarp. , 1995, , 555-557.		7
52	Towards Genetic Engineering of Oil Palm ( <i>Elaeis guineensis</i> Jacq.). , 1995, , 570-572.		14
53	Effects of mesocarp bruising on the rate of free fatty acid release in oil palm fruits. <i>International Biodeterioration and Biodegradation</i> , 1993, 31, 65-70.	3.9	12
54	Chilling-induced Lipid Hydrolysis in the Oil Palm ( <i>Elaeis guineensis</i> ) Mesocarp. <i>Journal of Experimental Botany</i> , 1991, 42, 1199-1205.	4.8	30

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55	Lipid metabolism in oil palm ( <i>Elaeis guineensis</i> and <i>Elaeis oleifera</i> ) protoplasts. <i>Plant Science</i> , 1987, 51, 97-103.	3.6	12