

Ganeshan Sivanandhan

List of Publications by Year in descending order

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Biogenic silver nanoparticles for cancer treatment: An experimental report. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 106, 86-92.	5.0	352
2	An investigation on the cytotoxicity and caspase-mediated apoptotic effect of biologically synthesized silver nanoparticles using <i>Podophyllum hexandrum</i> on human cervical carcinoma cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 708-717.	5.0	245
3	Increased production of withanolide A, withanone, and withaferin A in hairy root cultures of <i>Withania somnifera</i> (L.) Dunal elicited with methyl jasmonate and salicylic acid. <i>Plant Cell, Tissue and Organ Culture</i> , 2013, 114, 121-129.	2.3	128
4	Chitosan enhances withanolides production in adventitious root cultures of <i>Withania somnifera</i> (L.) Dunal. <i>Industrial Crops and Products</i> , 2012, 37, 124-129.	5.2	117
5	Enhanced Biosynthesis of Withanolides by Elicitation and Precursor Feeding in Cell Suspension Culture of <i>Withania somnifera</i> (L.) Dunal in Shake-Flask Culture and Bioreactor. <i>PLoS ONE</i> , 2014, 9, e104005.	2.5	86
6	Optimization of Elicitation Conditions with Methyl Jasmonate and Salicylic Acid to Improve the Productivity of Withanolides in the Adventitious Root Culture of <i>Withania somnifera</i> (L.) Dunal. <i>Applied Biochemistry and Biotechnology</i> , 2012, 168, 681-696.	2.9	85
7	The effect of polyamines on the efficiency of multiplication and rooting of <i>Withania somnifera</i> (L.) Dunal and content of some withanolides in obtained plants. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 2279-2288.	2.1	75
8	<i>Agrobacterium tumefaciens</i> -mediated in planta seed transformation strategy in sugarcane. <i>Plant Cell Reports</i> , 2013, 32, 1557-1574.	5.6	67
9	An evidence on G2/M arrest, DNA damage and caspase mediated apoptotic effect of biosynthesized gold nanoparticles on human cervical carcinoma cells (HeLa). <i>Materials Research Bulletin</i> , 2014, 52, 15-24.	5.2	63
10	A promising approach on biomass accumulation and withanolides production in cell suspension culture of <i>Withania somnifera</i> (L.) Dunal. <i>Protoplasma</i> , 2013, 250, 885-898.	2.1	56
11	Effect of culture conditions, cytokinins, methyl jasmonate and salicylic acid on the biomass accumulation and production of withanolides in multiple shoot culture of <i>Withania somnifera</i> (L.) Dunal using liquid culture. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 715-728.	2.1	50
12	Sonication, Vacuum Infiltration and Thiol Compounds Enhance the <i>Agrobacterium</i> -Mediated Transformation Frequency of <i>Withania somnifera</i> (L.) Dunal. <i>PLoS ONE</i> , 2015, 10, e0124693.	2.5	39
13	Factors influencing podophyllotoxin production in adventitious root culture of <i>Podophyllum hexandrum</i> Royle. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 1009-1021.	2.1	32
14	Generation of early-flowering Chinese cabbage (<i>Brassica rapa</i> spp. <i>pekinensis</i>) through CRISPR/Cas9-mediated genome editing. <i>Plant Biotechnology Reports</i> , 2019, 13, 491-499.	1.5	32
15	Enhanced production of isoflavones by elicitation in hairy root cultures of Soybean. <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 117, 477-481.	2.3	29
16	Genome-Wide Analysis and Characterization of Aux/IAA Family Genes in <i>Brassica rapa</i> . <i>PLoS ONE</i> , 2016, 11, e0151522.	2.5	29
17	<i>Agrobacterium</i> -mediated transformation of the medicinal plant <i>Podophyllum hexandrum</i> Royle (syn. P.) Tj ETQq1 1.0.784314.rgBT /Ove	2.3	24
18	An efficient in vitro system for somatic embryogenesis and podophyllotoxin production in <i>Podophyllum hexandrum</i> Royle. <i>Protoplasma</i> , 2014, 251, 1231-1243.	2.1	24

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19	Transfer and Targeted Overexpression of β -Tocopherol Methyltransferase (β -TMT) Gene Using Seed-Specific Promoter Improves Tocopherol Composition in Indian Soybean Cultivars. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 1763-1776.	2.9	23
20	Expression of important pathway genes involved in withanolides biosynthesis in hairy root culture of <i>Withania somnifera</i> upon treatment with <i>Gracilaria edulis</i> and <i>Sargassum wightii</i> . <i>Plant Physiology and Biochemistry</i> , 2015, 91, 61-64.	5.8	22
21	Effect of nitrogen and carbon sources on in vitro shoot multiplication, root induction and withanolides content in <i>Withania somnifera</i> (L.) Dunal. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	2.1	19
22	An efficient hairy root culture system for <i>Withania somnifera</i> (L.) Dunal. <i>African Journal of Biotechnology</i> , 2014, 13, 4141-4147.	0.6	17
23	Establishment of somatic embryogenesis and podophyllotoxin production in liquid shake cultures of <i>Podophyllum hexandrum</i> Royle. <i>Industrial Crops and Products</i> , 2014, 60, 66-74.	5.2	16
24	Improved production of withanolides in shoot suspension culture of <i>Withania somnifera</i> (L.) Dunal by seaweed extracts. <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 119, 221-225.	2.3	15
25	Involvement of exogenous polyamines enhances regeneration and <i>Agrobacterium</i> -mediated genetic transformation in half-seeds of soybean. <i>3 Biotech</i> , 2016, 6, 148.	2.2	15
26	Optimization of carbon source for hairy root growth and withaferin A and withanone production in <i>Withania somnifera</i> . <i>Natural Product Communications</i> , 2012, 7, 1271-2.	0.5	12
27	Optimization of Protoplast Isolation from Leaf Mesophylls of Chinese Cabbage (<i>Brassica rapa</i> ssp.) Tj ETQq1 1 0.784314 rgBT /Overlock 11 Tf 50	3.5	11
28	High-efficient <i>Agrobacterium</i> -mediated in planta transformation in black gram (<i>Vigna mungo</i> (L.)) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.1	10
29	Up-regulation of Squalene synthase in hairy root culture of <i>Withania somnifera</i> (L.) Dunal yields higher quantities of withanolides. <i>Industrial Crops and Products</i> , 2020, 154, 112706.	5.2	10
30	L-Dopa production and antioxidant activity in <i>Hybanthus enneaspermus</i> (L.) F. Muell regeneration. <i>Physiology and Molecular Biology of Plants</i> , 2015, 21, 395-406.	3.1	9
31	Factors affecting <i>Agrobacterium</i> -mediated transformation in <i>Hybanthus enneaspermus</i> (L.) F. Muell.. <i>Plant Biotechnology Reports</i> , 2016, 10, 49-60.	1.5	9
32	Elicitation Approaches for Withanolide Production in Hairy Root Culture of <i>Withania somnifera</i> (L.) Dunal. <i>Methods in Molecular Biology</i> , 2016, 1405, 1-18.	0.9	6
33	Effect of carbon and nitrogen sources on in vitro flower and fruit formation and withanolides production in <i>Withania somnifera</i> (L.) Dunal. <i>Indian Journal of Experimental Biology</i> , 2015, 53, 177-83.	0.0	6
34	L-Cysteine Increases the Transformation Efficiency of Chinese Cabbage (<i>Brassica rapa</i> ssp. <i>pekinensis</i>). <i>Frontiers in Plant Science</i> , 2021, 12, 767140.	3.6	5
35	Optimization of Carbon Source for Hairy Root Growth and Withaferin A and Withanone Production in <i>Withania somnifera</i> . <i>Natural Product Communications</i> , 2012, 7, 1934578X1200701.	0.5	3
36	Targeted Genome Editing Using Site-Specific Nucleases, ZFNs, TALENs, and the CRISPR/Cas9 system Takashi Yamamoto (ed.).. <i>Annals of Botany</i> , 2016, 118, vii-viii.	2.9	2

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37	Withanolide Production in Hairy Root Culture of <i>Withania somnifera</i> (L.) Dunal: A Review. Reference Series in Phytochemistry, 2021, , 607-624.	0.4	1
38	Withanolide Production in Hairy Root Culture of <i>Withania somnifera</i> (L.) Dunal: A Review. Reference Series in Phytochemistry, 2020, , 1-19.	0.4	0