

Ravishankar Gokare

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8850121/publications.pdf>

Version: 2024-02-01

169
papers

11,885
citations

36303

51
h-index

30922

102
g-index

173
all docs

173
docs citations

173
times ranked

11836
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological Activities and Health Benefits of Seaweed Carotenoids with Special Reference to Fucoxanthin. , 2022, , 539-558.		3
2	Potential Products from Macroalgae: An Overview. , 2022, , 17-44.		4
3	Seaweed-Based Recipes for Food, Health-Food Applications, and Innovative Products Including Meat and Meat Analogs. , 2022, , 267-292.		4
4	Cosmeceuticals from Macrophyte Algae. , 2022, , 559-577.		1
5	Anti-Diabetic Properties of Fucoïdan from Different Fucus Species. , 2022, , 579-595.		0
6	Influence of Nitrogen and Phosphorus on Microalgal Growth, Biomass, Lipid, and Fatty Acid Production: An Overview. Cells, 2021, 10, 393.	4.1	189
7	<i>Botryococcus</i> as an alternative source of carotenoids and its possible applications – an overview. Critical Reviews in Biotechnology, 2018, 38, 541-558.	9.0	25
8	Silver nitrate and 2-(N-morpholine) ethane sulphonic acid in culture medium promotes rapid shoot regeneration from the proximal zone of the leaf of Capsicum frutescens Mill.. Plant Cell, Tissue and Organ Culture, 2017, 129, 175-180.	2.3	7
9	Metabolic engineering of Dunaliella salina for production of ketocarotenoids. Photosynthesis Research, 2016, 127, 321-333.	2.9	55
10	Regulation of astaxanthin and its intermediates through cloning and genetic transformation of β -carotene ketolase in Haematococcus pluvialis. Journal of Biotechnology, 2015, 196-197, 33-41.	3.8	59
11	Evaluation of hepatoprotective and antioxidant activity of astaxanthin and astaxanthin esters from microalga-Haematococcus pluvialis. Journal of Food Science and Technology, 2015, 52, 6703-6710.	2.8	45
12	Characterization of fatty acids and hydrocarbons of chlorophycean microalgae towards their use as biofuel source. Biomass and Bioenergy, 2015, 77, 75-91.	5.7	57
13	Evaluating the effect and effectiveness of different constructs with a conserved sequence for silencing of Coffea canephora N-methyltransferases. Journal of Plant Biochemistry and Biotechnology, 2014, 23, 399-409.	1.7	7
14	Supercritical CO2 extraction of functional compounds from Spirulina and their biological activity. Journal of Food Science and Technology, 2014, 52, 3627-33.	2.8	14
15	Selection and evaluation of CO2 tolerant indigenous microalga Scenedesmus dimorphus for unsaturated fatty acid rich lipid production under different culture conditions. Bioresource Technology, 2013, 144, 28-37.	9.6	77
16	Genetic diversity of commercially grown Moringa oleifera Lam. cultivars from India by RAPD, ISSR and cytochrome P450-based markers. Plant Systematics and Evolution, 2013, 299, 1205-1213.	0.9	53
17	In vivo bioavailability and antioxidant activity of carotenoids from microalgal biomass – A repeated dose study. Food Research International, 2013, 54, 711-717.	6.2	95
18	Effective Inhibition of Skin Cancer, Tyrosinase, and Antioxidative Properties by Astaxanthin and Astaxanthin Esters from the Green Alga Haematococcus pluvialis. Journal of Agricultural and Food Chemistry, 2013, 61, 3842-3851.	5.2	195

#	ARTICLE	IF	CITATIONS
19	Augmentation of major isoflavones in <i>Glycine max</i> L. through the elicitor-mediated approach. <i>Acta Botanica Croatica</i> , 2013, 72, 311-322.	0.7	21
20	Cultivation of green alga <i>Botryococcus braunii</i> in raceway, circular ponds under outdoor conditions and its growth, hydrocarbon production. <i>Bioresource Technology</i> , 2012, 123, 528-533.	9.6	65
21	Enhanced Yield of Food Colourant Annatto from Seeds of <i>Bixa orellana</i> L.: The Efficacy of Polyamines Floral Spray. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2012, 82, 553-556.	1.0	4
22	Functional validation of <i>Capsicum frutescens</i> aminotransferase gene involved in vanillylamine biosynthesis using <i>Agrobacterium</i> mediated genetic transformation studies in <i>Nicotiana tabacum</i> and <i>Capsicum frutescens</i> calli cultures. <i>Plant Science</i> , 2012, 195, 96-105.	3.6	24
23	Pigment identification, nutritional composition, bioactivity, and <i>in vitro</i> cancer cell cytotoxicity of <i>Rivina humilis</i> L. berries, potential source of betalains. <i>LWT - Food Science and Technology</i> , 2012, 47, 315-323.	5.2	74
24	Melatonin and serotonin profiles in beans of <i>Coffea</i> species. <i>Journal of Pineal Research</i> , 2012, 52, 470-476.	7.4	108
25	Endogenous profiles of indoleamines: serotonin and melatonin in different tissues of <i>Coffea canephora</i> P ex Fr. as analyzed by HPLC and LC-MS-ESI. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 393-396.	2.1	35
26	Indoleamines and calcium enhance somatic embryogenesis in <i>Coffea canephora</i> P ex Fr. <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 108, 267-278.	2.3	46
27	Influence of abiotic stress signals on secondary metabolites in plants. <i>Plant Signaling and Behavior</i> , 2011, 6, 1720-1731.	2.4	1,684
28	Establishment of <i>Agrobacterium tumefaciens</i> -mediated genetic transformation in <i>Dunaliella bardawil</i> . <i>European Journal of Phycology</i> , 2011, 46, 36-44.	2.0	73
29	Acute, subacute and subchronic safety assessment of betalains rich <i>Rivina humilis</i> L. berry juice in rats. <i>Food and Chemical Toxicology</i> , 2011, 49, 3154-3157.	3.6	27
30	Morphological diversity in <i>Bixa orellana</i> L. and variations in annatto pigment yield. <i>Journal of Horticultural Science and Biotechnology</i> , 2011, 86, 319-324.	1.9	15
31	Enhanced shoot organogenesis in <i>Bixa orellana</i> L. in the presence of putrescine and silver nitrate. <i>Plant Cell, Tissue and Organ Culture</i> , 2011, 105, 285-290.	2.3	36
32	Somatic embryogenesis and <i>Agrobacterium</i> -mediated transformation in <i>Bixa orellana</i> L.. <i>Plant Cell, Tissue and Organ Culture</i> , 2011, 105, 317-328.	2.3	44
33	Annatto pigment production in root cultures of Achiote (<i>Bixa orellana</i> L.). <i>Plant Cell, Tissue and Organ Culture</i> , 2011, 106, 517-522.	2.3	22
34	Studies on development and storage stability of instant spice adjunct mix from seaweed (<i>Eucheuma</i>). <i>Journal of Food Science and Technology</i> , 2011, 48, 712-717.	2.8	24
35	Calcium and calcium ionophore A23187 induce high-frequency somatic embryogenesis in cultured tissues of <i>Coffea canephora</i> P ex Fr. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2011, 47, 667-673.	2.1	13
36	Phytoserotonin. <i>Plant Signaling and Behavior</i> , 2011, 6, 800-809.	2.4	95

#	ARTICLE	IF	CITATIONS
37	Pigment identification, antioxidant activity, and nutrient composition of <i>Tinospora cordifolia</i> (willd.) Miers ex Hook. f & Thoms fruit. <i>International Journal of Food Sciences and Nutrition</i> , 2011, 62, 239-249.	2.8	41
38	Direct shoot organogenesis on hypocotyl explants with collar region from in vitro seedlings of <i>Coffea canephora</i> Pierre ex. Frohner cv. CAA-AR and <i>Agrobacterium tumefaciens</i> -mediated transformation. <i>Plant Cell, Tissue and Organ Culture</i> , 2010, 101, 339-347.	2.3	17
39	Purification, Identification, and Characterization of Methylcobalamin from <i>Spirulina platensis</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 9925-9930.	5.2	24
40	Characterization of Microalgal Carotenoids by Mass Spectrometry and Their Bioavailability and Antioxidant Properties Elucidated in Rat Model. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 8553-8559.	5.2	156
41	Current Trends in Producing Low Levels of Caffeine in Coffee Berry and Processed Coffee Powder. <i>Food Reviews International</i> , 2009, 25, 175-197.	8.4	16
42	AgNO ₃ - a potential regulator of ethylene activity and plant growth modulator. <i>Electronic Journal of Biotechnology</i> , 2009, 12, 0-0.	2.2	134
43	Micropropagation of <i>Bixa orellana</i> using phytohormones and triacontanol. <i>Biologia Plantarum</i> , 2009, 53, 347-350.	1.9	16
44	Endogenous polyamine profiles in different tissues of <i>Coffea</i> sp., and their levels during the ontogeny of fruits. <i>Acta Physiologiae Plantarum</i> , 2009, 31, 757-764.	2.1	14
45	AGROBACTERIUM-MEDIATED TRANSFORMATION IN THE GREEN ALGA HAEMATOCOCCUS PLUVIALIS (CHLOROPHYCEAE, VOLVOCALES). <i>Journal of Phycology</i> , 2009, 45, 642-649.	2.3	115
46	Functional attributes of soybean seeds and products, with reference to isoflavone content and antioxidant activity. <i>Food Chemistry</i> , 2009, 114, 771-776.	8.2	85
47	Expression of carotenogenic genes and carotenoid production in <i>Haematococcus pluvialis</i> under the influence of carotenoid and fatty acid synthesis inhibitors. <i>Enzyme and Microbial Technology</i> , 2009, 45, 88-93.	3.2	23
48	Direct organogenesis from leaf explants of <i>Stevia rebaudiana</i> and cultivation in bioreactor. <i>Biologia Plantarum</i> , 2008, 52, 355-360.	1.9	71
49	Polyamines influence morphogenesis and caffeine biosynthesis in in vitro cultures of <i>Coffea canephora</i> P. ex Fr.. <i>Acta Physiologiae Plantarum</i> , 2008, 30, 217-223.	2.1	31
50	Enhancement of carotenoids by mutation and stress induced carotenogenic genes in <i>Haematococcus pluvialis</i> mutants. <i>Bioresource Technology</i> , 2008, 99, 8667-8673.	9.6	92
51	Food-Grade Chemical and Biological Agents Permeabilize Red Beet Hairy Roots, Assisting the Release of Betalaines. <i>Biotechnology Progress</i> , 2008, 19, 1274-1282.	2.6	44
52	Ulcer preventive and antioxidative properties of astaxanthin from <i>Haematococcus pluvialis</i> . <i>European Journal of Pharmacology</i> , 2008, 590, 387-395.	3.5	120
53	Mass multiplication of <i>Bixa orellana</i> L. through tissue culture for commercial propagation. <i>Industrial Crops and Products</i> , 2008, 28, 122-127.	5.2	16
54	Isoflavone Composition, Phenol Content, and Antioxidant Activity of Soybean Seeds from India and Bulgaria. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 2090-2095.	5.2	98

#	ARTICLE	IF	CITATIONS
55	Induction of in vitro flowering in <i>Capsicum frutescens</i> under the influence of silver nitrate and cobalt chloride and pollen transformation. <i>Electronic Journal of Biotechnology</i> , 2008, 11, 0-0.	2.2	18
56	Regulation of carotenoid biosynthetic genes expression and carotenoid accumulation in the green alga <i>Haematococcus pluvialis</i> under nutrient stress conditions. <i>Journal of Experimental Botany</i> , 2008, 59, 1409-1418.	4.8	137
57	Analysis of Predominant Steviosides in <i>Stevia rebaudiana</i> Bertoni by Liquid Chromatography/ Electrospray Ionization-Mass Spectrometry. <i>Food Biotechnology</i> , 2008, 22, 179-188.	1.5	40
58	Effect of the Carotenoid-Producing Alga, <i>Dunaliella bardawil</i> , on CCl ₄ -Induced Toxicity in Rats. <i>International Journal of Toxicology</i> , 2007, 26, 159-167.	1.2	14
59	Annatto Fruit Pericarp: A Newer Source As a Potential Fuel. <i>Energy & Fuels</i> , 2007, 21, 1181-1182.	5.1	7
60	Culture media optimization for growth and phycoerythrin production from <i>Porphyridium purpureum</i> . <i>Biotechnology and Bioengineering</i> , 2007, 96, 456-463.	3.3	84
61	Production of steviosides in <i>Stevia rebaudiana</i> Bertoni. <i>Journal of the Science of Food and Agriculture</i> , 2007, 87, 420-424.	3.5	44
62	Stabilization of astaxanthin in edible oils and its use as an antioxidant. <i>Journal of the Science of Food and Agriculture</i> , 2007, 87, 957-965.	3.5	93
63	Effect of salinity on growth of green alga <i>Botryococcus braunii</i> and its constituents. <i>Bioresource Technology</i> , 2007, 98, 560-564.	9.6	348
64	Studies on use of <i>Enteromorpha</i> in snack food. <i>Food Chemistry</i> , 2007, 101, 1707-1713.	8.2	72
65	Autotrophic cultivation of <i>Botryococcus braunii</i> for the production of hydrocarbons and exopolysaccharides in various media. <i>Biomass and Bioenergy</i> , 2007, 31, 87-93.	5.7	160
66	Comparative study of lipid composition of two halotolerant alga, <i>Dunaliella bardawil</i> and <i>Dunaliella salina</i> . <i>International Journal of Food Sciences and Nutrition</i> , 2007, 58, 373-382.	2.8	27
67	Differential expression of carotenogenic genes and associated changes in pigment profile during regeneration of <i>Haematococcus pluvialis</i> cysts. <i>Applied Microbiology and Biotechnology</i> , 2007, 75, 879-887.	3.6	26
68	Influence of different ethylene inhibitors on somatic embryogenesis and secondary embryogenesis from <i>Coffea canephora</i> P ex Fr.. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2007, 43, 602-607.	2.1	40
69	Direct shoot bud induction and plant regeneration in <i>Capsicum frutescens</i> Mill.: influence of polyamines and polarity. <i>Acta Physiologiae Plantarum</i> , 2007, 29, 11-18.	2.1	26
70	Antioxidant Activity of <i>Botryococcus braunii</i> Extract Elucidated in Vitro Models. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 4593-4599.	5.2	91
71	Antioxidant Potentials of Flaxseed by in Vivo Model. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 3794-3799.	5.2	78
72	An Efficient Method for Extraction of Astaxanthin from Green Alga <i>Haematococcus pluvialis</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 7585-7588.	5.2	180

#	ARTICLE	IF	CITATIONS
73	Influence of 8-Methyl-nonenoic Acid on Capsaicin Biosynthesis in In-Vivo and In-Vitro Cell Cultures of Capsicum Spp.. Journal of Agricultural and Food Chemistry, 2006, 54, 1854-1859.	5.2	35
74	Valine Pathway Is More Crucial than Phenyl Propanoid Pathway in Regulating Capsaicin Biosynthesis in Capsicum frutescens Mill.. Journal of Agricultural and Food Chemistry, 2006, 54, 6660-6666.	5.2	32
75	Different biotic and abiotic elicitors influence betalain production in hairy root cultures of Beta vulgaris in shake-flask and bioreactor. Process Biochemistry, 2006, 41, 50-60.	3.7	113
76	Evaluation of PCR-Based Methods for Isolating Flanking Regions of Genes. Molecular Biotechnology, 2006, 32, 111-116.	2.4	8
77	Developments in coffee biotechnology in vitro plant propagation and crop improvement. Plant Cell, Tissue and Organ Culture, 2006, 87, 49-65.	2.3	28
78	Stable transformation and direct regeneration in Coffea canephora P ex. Fr. by Agrobacterium rhizogenes mediated transformation without hairy-root phenotype. Plant Cell Reports, 2006, 25, 214-222.	5.6	42
79	Presence of methyl branched fatty acids and saturated hydrocarbons in botryococcene producing strain of Botryococcus braunii. Acta Physiologiae Plantarum, 2006, 28, 251-256.	2.1	19
80	Characterization of capsaicin synthase and identification of its gene (csy1) for pungency factor capsaicin in pepper (Capsicum sp.). Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13315-13320.	7.1	53
81	Agrobacterium rhizogenes mediated genetic transformation resulting in hairy root formation is enhanced by ultrasonication and acetosyringone treatment. Electronic Journal of Biotechnology, 2006, 9, 0-0.	2.2	43
82	Elicitation of peroxidase activity in genetically transformed root cultures of Beta vulgaris L. Electronic Journal of Biotechnology, 2006, 9, 0-0.	2.2	4
83	Influence of Nitrogen Sources on Growth, Hydrocarbon and Fatty Acid Production by Botryococcus braunii. Asian Journal of Plant Sciences, 2006, 5, 799-804.	0.4	24
84	Effect of media and culture conditions on growth and hydrocarbon production by Botryococcus braunii. Process Biochemistry, 2005, 40, 3125-3131.	3.7	83
85	Methyl jasmonate modulated biotransformation of phenylpropanoids to vanillin related metabolites using Capsicum frutescens root cultures. Plant Physiology and Biochemistry, 2005, 43, 125-131.	5.8	22
86	Digital image processing an alternate tool for monitoring of pigment levels in cultured cells with special reference to green alga Haematococcus pluvialis. Biosensors and Bioelectronics, 2005, 21, 768-773.	10.1	12
87	In vitro shoot multiplication through shoot tip cultures of Decalepis hamiltonii Wight & Arn., a threatened plant endemic to Southern India. In Vitro Cellular and Developmental Biology - Plant, 2005, 41, 77-80.	2.1	33
88	Production of a root-specific flavour compound, 2-hydroxy-4-methoxy benzaldehyde by normal root cultures of Decalepis hamiltonii Wight and Arn (Asclepiadaceae). Journal of the Science of Food and Agriculture, 2005, 85, 61-64.	3.5	21
89	In vitro culture of Pandanus amaryllifolius and enhancement of 2-acetyl-1-pyrroline, the major flavouring compound of aromatic rice, by precursor feeding of L-proline. Journal of the Science of Food and Agriculture, 2005, 85, 2527-2534.	3.5	36
90	Protective effect of a marine micro alga, against carbon tetrachloride-induced hepatotoxicity in rats. Hepatology Research, 2005, 33, 313-319.	3.4	15

#	ARTICLE	IF	CITATIONS
91	Comparative evaluation of bioreactor design using <i>Tagetes patula</i> L. hairy roots as a model system. <i>Process Biochemistry</i> , 2005, 40, 1509-1515.	3.7	39
92	Isolation of promoter for N-methyltransferase gene associated with caffeine biosynthesis in <i>Coffea canephora</i> . <i>Journal of Biotechnology</i> , 2005, 119, 20-25.	3.8	33
93	Comparative Evaluation of Hepatoprotective Activity of Carotenoids of Microalgae. <i>Journal of Medicinal Food</i> , 2005, 8, 523-528.	1.5	24
94	In vivo antioxidant activity of carotenoids from <i>Dunaliella salina</i> a green microalga. <i>Life Sciences</i> , 2005, 76, 1381-1390.	4.3	195
95	Uptake and degradation of DDT by hairy root cultures of <i>Cichorium intybus</i> and <i>Brassica juncea</i> . <i>Chemosphere</i> , 2005, 61, 1288-1292.	8.2	75
96	Direct shoot organogenesis on shoot apex from seedling explants of <i>Capsicum annum</i> L.. <i>Scientia Horticulturae</i> , 2005, 106, 237-246.	3.6	28
97	Improvement of growth and root specific flavour compound 2-hydroxy-4-methoxy benzaldehyde of micropropagated plants of <i>Decalepis hamiltonii</i> Wight & Arn., under triacontanol treatment. <i>Scientia Horticulturae</i> , 2005, 106, 228-236.	3.6	25
98	Chemical Composition, Iron Bioavailability, and Antioxidant Activity of <i>Kappaphycus alvarezzi</i> (Doty). <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 792-797.	5.2	107
99	Genetically Modified Hairy Roots of <i>Withania somnifera</i> Dunal: A Potent Source of Rejuvenating Principles. <i>Rejuvenation Research</i> , 2005, 8, 37-45.	1.8	39
100	Influence of triacontanol on somatic embryogenesis in <i>Coffea arabica</i> L. and <i>Coffea canephora</i> P. ex Fr.. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2004, 40, 200-203.	2.1	27
101	Somatic embryogenesis, organogenesis, and regeneration from leaf callus culture of <i>Decalepis hamiltonii</i> Wight & Arn., an endangered shrub. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2004, 40, 567-571.	2.1	17
102	Polyamine and methyl jasmonate-influenced enhancement of betalaine production in hairy root cultures of <i>Beta vulgaris</i> grown in a bubble column reactor and studies on efflux of pigments. <i>Process Biochemistry</i> , 2004, 39, 2091-2096.	3.7	56
103	Direct somatic embryogenesis from <i>Coffea arabica</i> L. and <i>Coffea canephora</i> P ex Fr. under the influence of ethylene action inhibitor-silver nitrate. <i>Acta Physiologiae Plantarum</i> , 2004, 26, 299-305.	2.1	41
104	Phytoremediation A Novel and Promising Approach for Environmental Clean-up. <i>Critical Reviews in Biotechnology</i> , 2004, 24, 97-124.	9.0	347
105	Production of ajmalicine and ajmaline in hairy root cultures of <i>Rauvolfia micrantha</i> Hook f., a rare and endemic medicinal plant. <i>Biotechnology Letters</i> , 2003, 25, 631-636.	2.2	70
106	The role of calcium channels in anthocyanin production in callus cultures of <i>Daucus carota</i> . <i>Plant Growth Regulation</i> , 2003, 40, 163-169.	3.4	17
107	Elicitation of anthocyanin production in callus cultures of <i>Daucus carota</i> and the involvement of methyl jasmonate and salicylic acid. <i>Acta Physiologiae Plantarum</i> , 2003, 25, 249-256.	2.1	59
108	Influence of putrescine on anthocyanin production in callus cultures of <i>Daucus carota</i> mediated through calcium ATPase. <i>Acta Physiologiae Plantarum</i> , 2003, 25, 69-75.	2.1	16

#	ARTICLE	IF	CITATIONS
109	Synergistic effect of auxins and polyamines in hairy roots of <i>Cichorium intybus</i> L. during growth, coumarin production and morphogenesis. <i>Acta Physiologiae Plantarum</i> , 2003, 25, 193-208.	2.1	12
110	Production of volatile compounds by hairy root cultures of <i>Cichorium intybus</i> L under the influence of fungal elicitors and their analysis using solid-phase micro extraction gas chromatography-mass spectrometry. <i>Journal of the Science of Food and Agriculture</i> , 2003, 83, 769-774.	3.5	20
111	Kinetics of pigment release from hairy root cultures of <i>Beta vulgaris</i> under the influence of pH, sonication, temperature and oxygen stress. <i>Process Biochemistry</i> , 2003, 38, 1069-1076.	3.7	80
112	Influence of phenylacetic acid on clonal propagation of <i>Decalepis hamiltonii</i> wight & ARN: An endangered shrub. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2003, 39, 463-467.	2.1	11
113	Putrescine facilitated enhancement of capsaicin production in cell suspension cultures of <i>Capsicum frutescens</i> . <i>Journal of Plant Physiology</i> , 2003, 160, 339-346.	3.5	30
114	Vanilla Flavour Production Through Biotransformation Using <i>Capsicum frutescens</i> Root Cultures. <i>Biocatalysis and Biotransformation</i> , 2003, 21, 333-340.	2.0	9
115	Biotransformation of Digitoxin in Cell Cultures of <i>Capsicum frutescens</i> in the Presence of β -cyclodextrin. <i>Biocatalysis and Biotransformation</i> , 2002, 20, 137-143.	2.0	5
116	A RESPONSE SURFACE APPROACH FOR THE PRODUCTION OF NATURAL PIGMENT ASTAXANTHIN FROM GREEN ALGA, <i>HAEMATOCOCCUS PLUVIALIS</i> : EFFECT OF SODIUM ACETATE, CULTURE AGE, AND SODIUM CHLORIDE. <i>Food Biotechnology</i> , 2002, 16, 107-120.	1.5	19
117	Plant cell cultures: Chemical factories of secondary metabolites. <i>Biotechnology Advances</i> , 2002, 20, 101-153.	11.7	1,142
118	Effect of culture conditions on growth of green alga "Haematococcus pluvialis and astaxanthin production. <i>Acta Physiologiae Plantarum</i> , 2002, 24, 323-329.	2.1	41
119	Influence of stress on astaxanthin production in <i>Haematococcus pluvialis</i> grown under different culture conditions. <i>Process Biochemistry</i> , 2002, 37, 623-627.	3.7	216
120	Biotransformation of phenylpropanoid compounds to vanilla flavor metabolites in cultures of <i>Haematococcus pluvialis</i> . <i>Process Biochemistry</i> , 2002, 38, 419-426.	3.7	41
121	Role of polyamines in the ontogeny of plants and their biotechnological applications. <i>Plant Cell, Tissue and Organ Culture</i> , 2002, 69, 1-34.	2.3	225
122	Optimization of culture conditions for growth of the green alga <i>Haematococcus pluvialis</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2002, 18, 517-521.	3.6	33
123	Title is missing!. <i>Plant Cell, Tissue and Organ Culture</i> , 2002, 71, 181-212.	2.3	180
124	Title is missing!. <i>Plant Cell, Tissue and Organ Culture</i> , 2002, 71, 253-258.	2.3	40
125	Performance of hairy root cultures of <i>Cichorium intybus</i> L. In bioreactors of different configurations. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2002, 38, 573-580.	2.1	26
126	ENHANCEMENT OF SECONDARY METABOLITE PRODUCTION IN HAIRY ROOT CULTURES OF <i>BETA VULGARIS</i> AND <i>TAGETES PATULA</i> UNDER THE INFLUENCE OF MICROALGAL ELICITORS. <i>Food Biotechnology</i> , 2001, 15, 35-46.	1.5	21

#	ARTICLE	IF	CITATIONS
127	Influence of exogenous hormones on growth and secondary metabolite production in hairy root cultures of <i>Cichorium intybus</i> L. CV. Lucknow local. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2001, 37, 293-299.	2.1	46
128	Putrescine influences growth and production of coumarins in transformed and untransformed root cultures of witloof chicory (<i>Cichorium intybus</i> L. cv. Lucknow local). <i>Acta Physiologiae Plantarum</i> , 2001, 23, 319-327.	2.1	10
129	Studies on osmolarity, conductivity and mass transfer for selection of a bioreactor for <i>Tagetes patula</i> L. hairy roots. <i>Process Biochemistry</i> , 2001, 36, 987-993.	3.7	19
130	<i>Cichorium intybus</i> L - cultivation, processing, utility, value addition and biotechnology, with an emphasis on current status and future prospects. <i>Journal of the Science of Food and Agriculture</i> , 2001, 81, 467-484.	3.5	133
131	Studies on <i>Haematococcus pluvialis</i> for improved production of astaxanthin by mutagenesis. <i>World Journal of Microbiology and Biotechnology</i> , 2001, 17, 143-148.	3.6	46
132	Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 2001, 17, 325-329.	3.6	18
133	Vanilla flavour: production by conventional and biotechnological routes. <i>Journal of the Science of Food and Agriculture</i> , 2000, 80, 289-304.	3.5	294
134	Influence of polyamines on growth and formation of secondary metabolites in hairy root cultures of <i>Beta vulgaris</i> and <i>Tagetes patula</i> . <i>Acta Physiologiae Plantarum</i> , 2000, 22, 151-158.	2.1	31
135	Biotechnological Production of Plant-Based Insecticides. <i>Critical Reviews in Biotechnology</i> , 2000, 20, 49-77.	9.0	32
136	Biotransformation of protocatechuic aldehyde and caffeic acid to vanillin and capsaicin in freely suspended and immobilized cell cultures of <i>Capsicum frutescens</i> . <i>Journal of Biotechnology</i> , 2000, 76, 137-146.	3.8	53
137	Optimization of Media Constituents for Shoot Regeneration from Leaf Callus Cultures of <i>Decalepis hamiltonii</i> Wight. & Arn.. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2000, 35, 296-299.	1.0	10
138	Phycocyanin from <i>Spirulina</i> sp: influence of processing of biomass on phycocyanin yield, analysis of efficacy of extraction methods and stability studies on phycocyanin. <i>Process Biochemistry</i> , 1999, 34, 795-801.	3.7	357
139	Biotransformation of isoeugenol to vanilla flavour metabolites and capsaicin in suspended and immobilized cell cultures of <i>Capsicum frutescens</i> : study of the influence of β -cyclodextrin and fungal elicitor. <i>Process Biochemistry</i> , 1999, 35, 341-348.	3.7	52
140	Production of astaxanthin in <i>Haematococcus pluvialis</i> cultured in various media. <i>Bioresource Technology</i> , 1999, 68, 197-199.	9.6	84
141	Influence of Polyamines on Growth of Hairy Root Cultures of Witloof Chicory (<i>Cichorium intybus</i> L.) <i>Tj ETQq1 1 0.784314 rgBT₄₁/Overl</i>	5.1	41
142	Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 1999, 15, 465-469.	3.6	19
143	Putrescine Influences Growth and Production of Coumarins in Hairy Root Cultures of Witloof Chicory (<i>Cichorium intybus</i> L. cv. Lucknow Local). <i>Journal of Plant Growth Regulation</i> , 1999, 18, 159-165.	5.1	24
144	Elicitation of thiophene production by cultured hairy roots of <i>Tagetes patula</i> . <i>Acta Physiologiae Plantarum</i> , 1999, 21, 243-247.	2.1	6

#	ARTICLE	IF	CITATIONS
145	Antibacterial activity of supercritical extract from <i>Decalepis hamiltonii</i> roots. <i>FÄ-toterapÄ-Äç</i> , 1999, 70, 172-174.	2.2	18
146	Antioxidant effect of anthocyanin on enzymatic and non-enzymatic lipid peroxidation. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 1999, 60, 1-4.	2.2	49
147	Toxicity Assessment Of Phycocyanin - A Blue Colorant From Blue Green Alga <i>Spirulina platensis</i> . <i>Food Biotechnology</i> , 1999, 13, 51-66.	1.5	41
148	Capsaicin formation in p-fluorophenylalanine resistant and normal cell cultures of <i>Capsicum frutescens</i> and activity of phenylalanine ammonia lyase. <i>Journal of Biosciences</i> , 1998, 23, 209-212.	1.1	8
149	Precursor biotransformation in immobilized placental tissues of <i>Capsicum frutescens</i> Mill.: II. Influence of feeding intermediates of the capsaicinoid pathway in combination with L-valine on capsaicin and dihydrocapsaicin accumulation. <i>Journal of Plant Physiology</i> , 1998, 153, 240-243.	3.5	15
150	In vitro multiplication of <i>Vanilla planifolia</i> using axillary bud explants. <i>Plant Cell Reports</i> , 1997, 16, 490-494.	5.6	17
151	Phycocyanin, a new elicitor for capsaicin and anthocyanin accumulation in plant cell cultures. <i>Applied Microbiology and Biotechnology</i> , 1996, 46, 619-621.	3.6	33
152	Biotransformation of ferulic acid and vanillylamine to capsaicin and vanillin in immobilized cell cultures of <i>Capsicum frutescens</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 1996, 44, 117-121.	2.3	51
153	Gradient of anthocyanin in cell aggregates of <i>Daucus carota</i> in suspension cultures. <i>Biotechnology Letters</i> , 1996, 18, 1253-1256.	2.2	29
154	Osmolarity as a measure of growth of plant cells in suspension cultures. <i>Enzyme and Microbial Technology</i> , 1995, 17, 989-991.	3.2	17
155	Induction of crocin and crocetin in callus cultures of <i>gardenia jasminoides</i> ellis. <i>Food Biotechnology</i> , 1995, 9, 29-38.	1.5	4
156	Pungency threshold of capsaicin produced by in vitro culture of placental tissues of <i>capsicum frutescens</i> mill.. <i>Food Biotechnology</i> , 1995, 9, 167-173.	1.5	3
157	Profile of polyamines during sprouting and growth of saffron (<i>Crocus sativus</i> L.) Corms. <i>Journal of Plant Growth Regulation</i> , 1994, 13, 69-72.	5.1	12
158	Flavour production in plant cell cultures of basmati rice (<i>Oryza sativa</i> L). <i>Journal of the Science of Food and Agriculture</i> , 1994, 66, 439-442.	3.5	21
159	Computer-aided modeling and optimization for capsaicinoid production by immobilized <i>Capsicum frutescens</i> cells. <i>Enzyme and Microbial Technology</i> , 1993, 15, 710-715.	3.2	16
160	Tissue culture of saffron (<i>Crocus sativus</i> L.): Somatic embryogenesis and shoot regeneration. <i>Food Biotechnology</i> , 1992, 6, 217-223.	1.5	28
161	Separation of capsaicin from phenylpropanoid compounds by high-performance liquid chromatography to determine the biosynthetic status of cells and tissues of <i>Capsicum frutescens</i> Mill. in vivo and in vitro. <i>Journal of Agricultural and Food Chemistry</i> , 1992, 40, 2461-2463.	5.2	26
162	Anthocyanin production in callus cultures of <i>Daucus carota</i> as influenced by nutrient stress and osmoticum. <i>Biotechnology Letters</i> , 1992, 14, 707-712.	2.2	71

#	ARTICLE	IF	CITATIONS
163	Influence of formaldehyde in control of bacterial and fungal contaminants in plant cell cultures: Its effect on growth and secondary metabolite production. <i>Biotechnology Letters</i> , 1992, 6, 463-468.	0.5	3
164	Methods for the analysis of the saffron metabolites crocin, crocetin, picrocrocin and safranal for the determination of the quality of the spice using thin-layer chromatography, high-performance liquid chromatography and gas chromatography. <i>Journal of Chromatography A</i> , 1992, 624, 497-502.	3.7	120
165	Elicitation of capsaicin production in freely suspended cells and immobilized cell cultures of <i>Capsicum frutescens</i> mill. <i>Food Biotechnology</i> , 1991, 5, 197-205.	1.5	61
166	A simple and rapid method for selection of high diosgenin yielding clones of <i>Dioscorea deltoidea</i> callus. <i>Biotechnology Letters</i> , 1991, 5, 281-282.	0.5	0
167	Development of media for growth of <i>Dioscorea Deltoidea</i> cells and in vitro diosgenin production: Influence of media constituents and nutrient stress. <i>Biotechnology Letters</i> , 1991, 13, 125-130.	2.2	17
168	In vitro capsaicin production by immobilized cells and placental tissues of <i>Capsicum annuum</i> L. grown in liquid medium. <i>Plant Science</i> , 1990, 70, 223-229.	3.6	51
169	Regulation of nicotine biogenesis 2: Increased production of nicotine by urea in tobacco tissue cultures. <i>Experientia</i> , 1981, 37, 1143-1144.	1.2	4