

Ravishankar Gokare

List of Publications by Year in descending order

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169
papers

11,885
citations

36303

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30922

102
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173
all docs

173
docs citations

173
times ranked

11836
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Influence of abiotic stress signals on secondary metabolites in plants. <i>Plant Signaling and Behavior</i> , 2011, 6, 1720-1731. | 2.4 | 1,684 |
| 2 | Plant cell cultures: Chemical factories of secondary metabolites. <i>Biotechnology Advances</i> , 2002, 20, 101-153. | 11.7 | 1,142 |
| 3 | 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 |
| 4 | 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 |
| 5 | Phytoremediation—A Novel and Promising Approach for Environmental Clean-up. <i>Critical Reviews in Biotechnology</i> , 2004, 24, 97-124. | 9.0 | 347 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | Effective Inhibition of Skin Cancer, Tyrosinase, and Antioxidative Properties by Astaxanthin and Astaxanthin Esters from the Green Alga <i>Haematococcus pluvialis</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 3842-3851. | 5.2 | 195 |
| 11 | Influence of Nitrogen and Phosphorus on Microalgal Growth, Biomass, Lipid, and Fatty Acid Production: An Overview. <i>Cells</i> , 2021, 10, 393. | 4.1 | 189 |
| 12 | Title is missing!. <i>Plant Cell, Tissue and Organ Culture</i> , 2002, 71, 181-212. | 2.3 | 180 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | <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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Methods for the analysis of the saffron metabolites crocin, crocetins, 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 |
| 20 | 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 |
| 21 | <i>AGROBACTERIUM</i> -MEDIATED TRANSFORMATION IN THE GREEN ALGA <i>HAEMATOCOCCUS PLUVIALIS</i> (CHLOROPHYCEAE, VOLVOCALES). <i>Journal of Phycology</i> , 2009, 45, 642-649. | 2.3 | 115 |
| 22 | Different biotic and abiotic elicitors influence betalain production in hairy root cultures of <i>Beta vulgaris</i> in shake-flask and bioreactor. <i>Process Biochemistry</i> , 2006, 41, 50-60. | 3.7 | 113 |
| 23 | Melatonin and serotonin profiles in beans of <i>Coffea</i> species. <i>Journal of Pineal Research</i> , 2012, 52, 470-476. | 7.4 | 108 |
| 24 | Chemical Composition, Iron Bioavailability, and Antioxidant Activity of <i>Kappaphycus alvarezii</i> (Doty). <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 792-797. | 5.2 | 107 |
| 25 | 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 |
| 26 | Phytoserotonin. <i>Plant Signaling and Behavior</i> , 2011, 6, 800-809. | 2.4 | 95 |
| 27 | In vivo bioavailability and antioxidant activity of carotenoids from microalgal biomass – A repeated dose study. <i>Food Research International</i> , 2013, 54, 711-717. | 6.2 | 95 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | Production of astaxanthin in <i>Haematococcus pluvialis</i> cultured in various media. <i>Bioresource Technology</i> , 1999, 68, 197-199. | 9.6 | 84 |
| 33 | 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 |
| 34 | Effect of media and culture conditions on growth and hydrocarbon production by <i>Botryococcus braunii</i> . <i>Process Biochemistry</i> , 2005, 40, 3125-3131. | 3.7 | 83 |
| 35 | 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 |
| 36 | Antioxidant Potentials of Flaxseed by in Vivo Model. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 3794-3799. | 5.2 | 78 |

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|----|--|-----|-----------|
| 37 | Selection and evaluation of CO ₂ tolerant indigenous microalga <i>Scenedesmus dimorphus</i> for unsaturated fatty acid rich lipid production under different culture conditions. <i>Bioresource Technology</i> , 2013, 144, 28-37. | 9.6 | 77 |
| 38 | 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 |
| 39 | Pigment identification, nutritional composition, bioactivity, and in vitro 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 |
| 40 | 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 |
| 41 | Studies on use of <i>Enteromorpha</i> in snack food. <i>Food Chemistry</i> , 2007, 101, 1707-1713. | 8.2 | 72 |
| 42 | 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 |
| 43 | 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 |
| 44 | 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 |
| 45 | 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 |
| 46 | 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 |
| 47 | 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 |
| 48 | Regulation of astaxanthin and its intermediates through cloning and genetic transformation of β -carotene ketolase in <i>Haematococcus pluvialis</i> . <i>Journal of Biotechnology</i> , 2015, 196-197, 33-41. | 3.8 | 59 |
| 49 | Characterization of fatty acids and hydrocarbons of chlorophycean microalgae towards their use as biofuel source. <i>Biomass and Bioenergy</i> , 2015, 77, 75-91. | 5.7 | 57 |
| 50 | 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 |
| 51 | Metabolic engineering of <i>Dunaliella salina</i> for production of ketocarotenoids. <i>Photosynthesis Research</i> , 2016, 127, 321-333. | 2.9 | 55 |
| 52 | 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 |
| 53 | Characterization of capsaicin synthase and identification of its gene (<i>csy1</i>) for pungency factor capsaicin in pepper (<i>Capsicum</i> sp.). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 13315-13320. | 7.1 | 53 |
| 54 | Genetic diversity of commercially grown <i>Moringa oleifera</i> Lam. cultivars from India by RAPD, ISSR and cytochrome P450-based markers. <i>Plant Systematics and Evolution</i> , 2013, 299, 1205-1213. | 0.9 | 53 |

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|----|---|-----|-----------|
| 55 | 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 |
| 56 | In vitro capsaicin production by immobilized cells and placental tissues of <i>Capsicum annum</i> L. grown in liquid medium. <i>Plant Science</i> , 1990, 70, 223-229. | 3.6 | 51 |
| 57 | 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 |
| 58 | 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 |
| 59 | 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 |
| 60 | 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 |
| 61 | 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 |
| 62 | Evaluation of hepatoprotective and antioxidant activity of astaxanthin and astaxanthin esters from microalga- <i>Haematococcus pluvialis</i> . <i>Journal of Food Science and Technology</i> , 2015, 52, 6703-6710. | 2.8 | 45 |
| 63 | Production of steviosides in vitro and in vitro grown <i>Stevia rebaudiana</i> Bertoni. <i>Journal of the Science of Food and Agriculture</i> , 2007, 87, 420-424. | 3.5 | 44 |
| 64 | 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 |
| 65 | 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 |
| 66 | <i>Agrobacterium rhizogenes</i> mediated genetic transformation resulting in hairy root formation is enhanced by ultrasonication and acetosyringone treatment. <i>Electronic Journal of Biotechnology</i> , 2006, 9, 0-0. | 2.2 | 43 |
| 67 | Stable transformation and direct regeneration in <i>Coffea canephora</i> P ex. Fr. by <i>Agrobacterium rhizogenes</i> mediated transformation without hairy-root phenotype. <i>Plant Cell Reports</i> , 2006, 25, 214-222. | 5.6 | 42 |
| 68 | Influence of Polyamines on Growth of Hairy Root Cultures of Witloof Chicory (<i>Cichorium intybus</i> L.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i> | 3.1 | 41 |
| 69 | 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 |
| 70 | Effect of culture conditions on growth of green alga " <i>Haematococcus pluvialis</i> and astaxanthin production. <i>Acta Physiologiae Plantarum</i> , 2002, 24, 323-329. | 2.1 | 41 |
| 71 | 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 |
| 72 | 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 |

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|----|---|-----|-----------|
| 73 | 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 |
| 74 | Title is missing!. <i>Plant Cell, Tissue and Organ Culture</i> , 2002, 71, 253-258. | 2.3 | 40 |
| 75 | 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 |
| 76 | Analysis of Predominant Steviosides in <i>Stevia rebaudiana</i> Bertoni by Liquid Chromatography/ Electro spray Ionization-Mass Spectrometry. <i>Food Biotechnology</i> , 2008, 22, 179-188. | 1.5 | 40 |
| 77 | 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 |
| 78 | 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 |
| 79 | In vitro culture of <i>Pandanus amaryllifolius</i> and enhancement of 2-acetyl-1-pyrroline, the major flavouring compound of aromatic rice, by precursor feeding of L-proline. <i>Journal of the Science of Food and Agriculture</i> , 2005, 85, 2527-2534. | 3.5 | 36 |
| 80 | 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 |
| 81 | Influence of 8-Methyl-nonenoic Acid on Capsaicin Biosynthesis in In-Vivo and In-Vitro Cell Cultures of <i>Capsicum</i> Spp.. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 1854-1859. | 5.2 | 35 |
| 82 | 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 |
| 83 | 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 |
| 84 | 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 |
| 85 | In vitro shoot multiplication through shoot tip cultures of <i>Decalepis hamiltonii</i> Wight & Arn., a threatened plant endemic to Southern India. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2005, 41, 77-80. | 2.1 | 33 |
| 86 | 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 |
| 87 | Biotechnological Production of Plant-Based Insecticides. <i>Critical Reviews in Biotechnology</i> , 2000, 20, 49-77. | 9.0 | 32 |
| 88 | Valine Pathway Is More Crucial than Phenyl Propanoid Pathway in Regulating Capsaicin Biosynthesis in <i>Capsicum frutescens</i> Mill.. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 6660-6666. | 5.2 | 32 |
| 89 | 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 |
| 90 | 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 |

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|-----|---|-----|-----------|
| 91 | 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 |
| 92 | 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 |
| 93 | 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 |
| 94 | 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 |
| 95 | Developments in coffee biotechnology – in vitro plant propagation and crop improvement. <i>Plant Cell, Tissue and Organ Culture</i> , 2006, 87, 49-65. | 2.3 | 28 |
| 96 | 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 |
| 97 | 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 |
| 98 | 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 |
| 99 | 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 |
| 100 | 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 |
| 101 | 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 |
| 102 | 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 |
| 103 | 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 |
| 104 | <i>Botryococcus</i> as an alternative source of carotenoids and its possible applications – an overview. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 541-558. | 9.0 | 25 |
| 105 | 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 |
| 106 | Comparative Evaluation of Hepatoprotective Activity of Carotenoids of Microalgae. <i>Journal of Medicinal Food</i> , 2005, 8, 523-528. | 1.5 | 24 |
| 107 | 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 |
| 108 | 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 |

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|-----|--|-----|-----------|
| 109 | 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 |
| 110 | Influence of Nitrogen Sources on Growth, Hydrocarbon and Fatty Acid Production by <i>Botryococcus braunii</i> . <i>Asian Journal of Plant Sciences</i> , 2006, 5, 799-804. | 0.4 | 24 |
| 111 | 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 |
| 112 | Methyl jasmonate modulated biotransformation of phenylpropanoids to vanillin related metabolites using <i>Capsicum frutescens</i> root cultures. <i>Plant Physiology and Biochemistry</i> , 2005, 43, 125-131. | 5.8 | 22 |
| 113 | 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 |
| 114 | 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 |
| 115 | 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 |
| 116 | Production of a root-specific flavour compound, 2-hydroxy-4-methoxy benzaldehyde by normal root cultures of <i>Decalepis hamiltonii</i> Wight and Arn (Asclepiadaceae). <i>Journal of the Science of Food and Agriculture</i> , 2005, 85, 61-64. | 3.5 | 21 |
| 117 | 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 |
| 118 | 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 |
| 119 | Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 1999, 15, 465-469. | 3.6 | 19 |
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