

# Karuna Shanker

## List of Publications by Year in descending order

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Version: 2024-02-01

169  
papers

3,964  
citations

117453

34  
h-index

174990

52  
g-index

174  
all docs

174  
docs citations

174  
times ranked

4530  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Stress responsiveness of vindoline accumulation in <i>Catharanthus roseus</i> leaves is mediated through co-expression of allene oxide cyclase with pathway genes. <i>Protoplasma</i> , 2022, 259, 755-773.                                       | 1.0 | 4         |
| 2  | Quantification of genetic variability and stable genotype selection over the years in the germplasm of critically endangered Prishanparni ( <i>Uraria picta</i> Desv.). <i>Environmental Geochemistry and Health</i> , 2022, 1.                   | 1.8 | 3         |
| 3  | <i>Duranta erecta</i> Linn: A critical review on phytochemistry, traditional uses, pharmacology, and toxicity from phytopharmaceutical perspective. <i>Journal of Ethnopharmacology</i> , 2022, 293, 115274.                                      | 2.0 | 6         |
| 4  | Utilization of Agro-Waste of <i>Piper longum</i> for a Potential Pancreatic Lipase Inhibitor. <i>ACS Agricultural Science and Technology</i> , 2022, 2, 580-591.  | 1.0 | 1         |
| 5  | Differential response of two endophytic bacterial strains inoculation on biochemical and physiological parameters of <i>Bacopa monnieri</i> L. under arsenic stress conditions. <i>Journal of Hazardous Materials Advances</i> , 2022, 6, 100055. | 1.2 | 2         |
| 6  | Antioxidant and antiplasmodial activities of <i>Malus sikkimensis</i> bioactives and their role in the suppression of LPS-induced neuroinflammation in glial cells. <i>Journal of King Saud University - Science</i> , 2022, 34, 101919.          | 1.6 | 2         |
| 7  | Novel bioactive compound from the bark of <i>Putranjiva roxburghii</i> Wall. <i>Natural Product Research</i> , 2021, 35, 1738-1740.   | 1.0 | 5         |
| 8  | Hesperidin-rich ethanol extract from waste peels of <i>Citrus limetta</i> mitigates rheumatoid arthritis and related complications. <i>Phytotherapy Research</i> , 2021, 35, 3325-3336.   | 2.8 | 12        |
| 9  | Biochar amendment reduced the risk associated with metal uptake and improved metabolite content in medicinal herbs. <i>Physiologia Plantarum</i> , 2021, 173, 321.  | 2.6 | 5         |
| 10 | Standardization of <i>Kaempferia galanga</i> L. rhizome and vasorelaxation effect of its key metabolite ethyl p-methoxycinnamate. <i>Journal of Ethnopharmacology</i> , 2021, 271, 113911.  | 2.0 | 6         |
| 11 | Simplified process of candidate certified reference material development for the analysis of <i>Andrographis paniculata</i> derived therapeutics. <i>Microchemical Journal</i> , 2021, 165, 106140.   | 2.3 | 2         |
| 12 | Phenotypic, genetic and expression profiling of a vindoline-rich genotype of <i>Catharanthus roseus</i> . <i>South African Journal of Botany</i> , 2021, 139, 50-57.  | 1.2 | 5         |
| 13 | Design, synthesis and broad spectrum antibreast cancer activity of diarylindoles via induction of apoptosis in aggressive breast cancer cells. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 42, 116252.                                      | 1.4 | 3         |
| 14 | Endophytic consortium with growth-promoting and alkaloid enhancing capabilities enhance key terpenoid indole alkaloids of <i>Catharanthus roseus</i> in the winter and summer seasons. <i>Industrial Crops and Products</i> , 2021, 166, 113437.  | 2.5 | 9         |
| 15 | Molecular insights into enhanced resistance of <i>Papaver somniferum</i> against downy mildew by application of endophyte bacteria <i>Microbacterium</i> sp. SMR1. <i>Physiologia Plantarum</i> , 2021, 173, 1862-1881.                           | 2.6 | 5         |
| 16 | Synthesis of <i>Ocimum</i> extract encapsulated cellulose nanofiber/chitosan composite for improved antioxidant and antibacterial activities. <i>Carbohydrate Polymer Technologies and Applications</i> , 2021, 2, 100152.                        | 1.6 | 4         |
| 17 | <i>Clerodendrum viscosum</i> : a critical review on phytochemistry, pharmacology, quality assurance, and safety data. <i>Medicinal Chemistry Research</i> , 2021, 30, 2145-2167.  | 1.1 | 3         |
| 18 | Ameliorative Effects of Dietary Ellagic Acid Against Severe Malaria Pathogenesis by Reducing Cytokine Storms and Oxidative Stress. <i>Frontiers in Pharmacology</i> , 2021, 12, 777400.   | 1.6 | 6         |

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|----|---|-----|-----------|
| 19 | Brevifoliol ester induces apoptosis in prostate cancer cells by activation of caspase pathway. <i>Chemical Biology and Drug Design</i> , 2020, 95, 150-161.   | 1.5 | 4         |
| 20 | Genetic diversity in Indian poppy ( <i>P. somniferum</i> L.) germplasm using multivariate and SCoT marker analyses. <i>Industrial Crops and Products</i> , 2020, 144, 112050.   | 2.5 | 19        |
| 21 | Antiproliferative activity of diarylnaphthylpyrrolidine derivative via dual target inhibition. <i>European Journal of Medicinal Chemistry</i> , 2020, 188, 111986.  | 2.6 | 7         |
| 22 | Endophytes enhance the production of root alkaloids ajmalicine and serpentine by modulating the terpenoid indole alkaloid pathway in <i>Catharanthus roseus</i> roots. <i>Journal of Applied Microbiology</i> , 2020, 128, 1128-1142.   | 1.4 | 32        |
| 23 | Biochar aided aromatic grass [ <i>Cymbopogon martini</i> (Roxb.) Wats.] vegetation: A sustainable method for stabilization of highly acidic mine waste. <i>Journal of Hazardous Materials</i> , 2020, 390, 121799.  | 6.5 | 41        |
| 24 | Fluorinated benzylidene indanone exhibits antiproliferative activity through modulation of microtubule dynamics and antiangiogenic activity. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 154, 105513.  | 1.9 | 30        |
| 25 | HPTLC method for the simultaneous determination of six bioactive terpenoids in <i>Putranjiva roxburghii</i> Wall.. <i>Journal of Planar Chromatography - Modern TLC</i> , 2020, 33, 353-364.  | 0.6 | 4         |
| 26 | A plastid-localized <i>bona fide</i> geranylgeranyl diphosphate synthase plays a necessary role in monoterpene indole alkaloid biosynthesis in <i>Catharanthus roseus</i> . <i>Plant Journal</i> , 2020, 103, 248-265.  | 2.8 | 24        |
| 27 | Bioremediation of arsenic by soil methylating fungi: Role of <i>Humicola</i> sp. strain 2WS1 in amelioration of arsenic phytotoxicity in <i>Bacopa monnieri</i> L. <i>Science of the Total Environment</i> , 2020, 716, 136758.   | 3.9 | 34        |
| 28 | Morpho-metric and molecular characterization of <i>Uraria picta</i> (Jacq.) Desv.ex DC. - A medicinal plant. <i>Journal of Applied Research on Medicinal and Aromatic Plants</i> , 2020, 16, 100242.  | 0.9 | 6         |
| 29 | Nanoemulsion preconcentrate of a pentacyclic triterpene for improved oral efficacy: Formulation design and in-vivo antimalarial activity. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 57, 101734.  | 1.4 | 7         |
| 30 | Nanocellulose-mediated fabrication of sustainable future materials. , 2020, , 217-236.  |     | 3         |
| 31 | Microwave-assisted Single Step Cinnamic Acid Derivatization and Evaluation for Cytotoxic Potential. <i>Current Pharmaceutical Biotechnology</i> , 2020, 21, 236-243.  | 0.9 | 1         |
| 32 | Quantitation of dietary dihydrochalcones in Indian crabapple ( <i>Malus sikkimensis</i> ) using validated high-performance liquid chromatography. <i>Journal of Chromatographic Science</i> , 2019, 57, 679-687.  | 0.7 | 5         |
| 33 | Simultaneous quantification of five bioactive phenylethanoid, iridoid, and flavonol glycosides in <i>Duranta erecta</i> L.: Ultra performance liquid chromatography method validation and uncertainty measurement. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 174, 711-717. | 1.4 | 8         |
| 34 | Bivalent furostene carbamates as antiproliferative and antiinflammatory agents. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 194, 105457.   | 1.2 | 11        |
| 35 | Endophytic Consortium With Diverse Gene-Regulating Capabilities of Benzylisoquinoline Alkaloids Biosynthetic Pathway Can Enhance Endogenous Morphine Biosynthesis in <i>Papaver somniferum</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 925.  | 1.5 | 33        |
| 36 | Human disorders associated with inflammation and the evolving role of natural products to overcome. <i>European Journal of Medicinal Chemistry</i> , 2019, 179, 272-309.  | 2.6 | 44        |

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|----|---|-----|-----------|
| 37 | Antihypertensive activity of diethyl-4,4-dihydroxy-8,3-neolign-7,7-dien-9,9-dionate: A continuation study in L-NAME treated wistar rats. <i>European Journal of Pharmacology</i> , 2019, 858, 172482.   | 1.7 | 16        |
| 38 | Aromatic ginger ( <i>Kaempferia galanga</i> L.) extracts with ameliorative and protective potential as a functional food, beyond its flavor and nutritional benefits. <i>Toxicology Reports</i> , 2019, 6, 521-528.   | 1.6 | 39        |
| 39 | Chemotaxonomic differentiation of <i>Clerodendrum</i> species based on high-performance thin-layer chromatographic fingerprinting of key secondary metabolites and chemometric data analysis. <i>Journal of Planar Chromatography - Modern TLC</i> , 2019, 32, 211-222.         | 0.6 | 9         |
| 40 | Ultra performance liquid chromatography coupled with principal component and cluster analysis of <i>Swertia chirayita</i> for adulteration check. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 164, 302-308.  | 1.4 | 14        |
| 41 | Standardization and xanthine oxidase inhibitory potential of <i>Zanthoxylum armatum</i> fruits. <i>Journal of Ethnopharmacology</i> , 2019, 230, 1-8.   | 2.0 | 14        |
| 42 | Plant-microbe interactions endorse growth by uplifting microbial community structure of <i>Bacopa monnieri</i> rhizosphere under nematode stress. <i>Microbiological Research</i> , 2019, 218, 87-96.   | 2.5 | 21        |
| 43 | Cadmium-induced conformational changes in type 2 metallothionein of medicinal plant <i>Coptis japonica</i> : insights from molecular dynamics studies of apo, partially and fully metalated forms. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 1520-1533. | 2.0 | 12        |
| 44 | Amruthapala ( <i>Decalepis arayalpathra</i> (J. Joseph and V. Chandras.) Venter): A Comprehensive Review on Diversity, Therapeutic Uses, and Valorization of Bioactive Constituents. <i>Current Pharmaceutical Biotechnology</i> , 2019, 20, 376-389.                           | 0.9 | 3         |
| 45 | Antiproliferative efficacy of curcumin mimics through microtubule destabilization. <i>European Journal of Medicinal Chemistry</i> , 2018, 151, 51-61.   | 2.6 | 54        |
| 46 | Valorisation of Residue of <i>Mentha arvensis</i> by Pyrolysis: Evaluation of Agronomic and Environmental Benefits. <i>Waste and Biomass Valorization</i> , 2018, 9, 1909-1919.   | 1.8 | 14        |
| 47 | Genetic variability, associations, and path analysis of chemical and morphological traits in Indian ginseng [ <i>Withania somnifera</i> (L.) Dunal] for selection of higher yielding genotypes. <i>Journal of Ginseng Research</i> , 2018, 42, 158-164.                         | 3.0 | 19        |
| 48 | Genetic variability and diversity in Indian germplasm of opium poppy ( <i>Papaver somniferum</i> L.). <i>Journal of Applied Research on Medicinal and Aromatic Plants</i> , 2018, 8, 41-46.   | 0.9 | 3         |
| 49 | Simultaneous quantification of six polymethoxyflavones in <i>Gardenia lucida</i> Roxb. using high-performance thin-layer chromatography. <i>Journal of Planar Chromatography - Modern TLC</i> , 2018, 31, 309-317.  | 0.6 | 1         |
| 50 | Performance of biochar derived from <i>Cymbopogon winterianus</i> waste at two temperatures on soil properties and growth of <i>Bacopa monnieri</i> . <i>Communications in Soil Science and Plant Analysis</i> , 2018, 49, 2741-2764.   | 0.6 | 4         |
| 51 | A novel synthesis of 2-arylbenzimidazoles in molecular sieves-MeOH system and their antitubercular activity. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 4551-4559.   | 1.4 | 12        |
| 52 | Endophytes of <i>Withania somnifera</i> modulate in planta content and the site of withanolide biosynthesis. <i>Scientific Reports</i> , 2018, 8, 5450.   | 1.6 | 51        |
| 53 | Biochemical characterization and spatio-temporal analysis of the putative L-DOPA pathway in <i>Mucuna pruriens</i> . <i>Planta</i> , 2018, 248, 1277-1287.  | 1.6 | 9         |
| 54 | Development and Validation of UPLC-PDA Method for Quality Control of Dikamali gum—A Natural Tablet Binder: Fast Simultaneous Quantitation of Six Polymethoxyflavones. <i>Chromatographia</i> , 2018, 81, 1277-1285.   | 0.7 | 2         |

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|----|---|-----|-----------|
| 55 | (22 <sup>12</sup> ,25R)-3 <sup>12</sup> -Hydroxy-spirost-5-en-7-iminoxy-heptanoic acid exhibits anti-prostate cancer activity through caspase pathway. <i>Steroids</i> , 2017, 119, 43-52.  | 0.8 | 44        |
| 56 | Cloning and functional characterization of quinolinic acid phosphoribosyl transferase (<i><sc>QPT</sc></i>) gene of <i>Nicotiana tabacum</i>. <i>Physiologia Plantarum</i> , 2017, 160, 253-265.  | 2.6 | 15        |
| 57 | Antimalarial activity and safety assessment of <i>Flueggea virosa</i> leaves and its major constituent with special emphasis on their mode of action. <i>Biomedicine and Pharmacotherapy</i> , 2017, 89, 761-771.                                     | 2.5 | 21        |
| 58 | Recent Advances in Green Sustainable Nanocellulosic Fiber: An Overview. , 2017, , 289-308.  |     | 0         |
| 59 | A phenolic glycoside from <i>Flacourtia indica</i> induces heme mediated oxidative stress in <i>Plasmodium falciparum</i> and attenuates malaria pathogenesis in mice. <i>Phytomedicine</i> , 2017, 30, 1-9.  | 2.3 | 20        |
| 60 | Fraxetin and ethyl acetate extract from <i>Lawsonia inermis</i> L. ameliorate oxidative stress in <i>P. berghei</i> infected mice by augmenting antioxidant defence system. <i>Phytomedicine</i> , 2017, 36, 262-272.                                 | 2.3 | 24        |
| 61 | Toxicity assessment of <i>Bacopa monnieri</i> L. grown in biochar amended extremely acidic coal mine spoils. <i>Ecological Engineering</i> , 2017, 108, 211-219.  | 1.6 | 50        |
| 62 | Controlled delivery systems of cellulose matrix for oxytetracycline: In vitro dissolution. <i>European Journal of Molecular and Clinical Medicine</i> , 2017, 3, 66.  | 0.5 | 4         |
| 63 | Validated method for quality assessment of henna ( <i>Lawsonia inermis</i> L.) leaves after postharvest blanching and its cosmetic application. <i>Industrial Crops and Products</i> , 2017, 95, 33-42.   | 2.5 | 21        |
| 64 | In silico and in vitro Studies on Begomovirus Induced Andrographolide Biosynthesis Pathway in <i>Andrographis paniculata</i> for Combating Inflammation and Cancer. <i>Molecular Informatics</i> , 2016, 35, 253-261.                                 | 1.4 | 4         |
| 65 | Evaluation of solid phase extraction efficiency of functionalized biochar for polyphenols from <sc><i>Punica granatum</i></sc>. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2016, 11, 200-208.  | 0.8 | 5         |
| 66 | RNAi down-regulation of cinnamate-4-hydroxylase increases artemisinin biosynthesis in <i>Artemisia annua</i> . <i>Scientific Reports</i> , 2016, 6, 26458.  | 1.6 | 39        |
| 67 | Mangiferin: A review of sources and interventions for biological activities. <i>BioFactors</i> , 2016, 42, 504-514.   | 2.6 | 94        |
| 68 | Fungal endophytes of <i>Catharanthus roseus</i> enhance vindoline content by modulating structural and regulatory genes related to terpenoid indole alkaloid biosynthesis. <i>Scientific Reports</i> , 2016, 6, 26583.                                | 1.6 | 115       |
| 69 | Endophytes of opium poppy differentially modulate host plant productivity and genes for the biosynthetic pathway of benzyloquinoline alkaloids. <i>Planta</i> , 2016, 243, 1097-1114.   | 1.6 | 82        |
| 70 | Physical and chemical mutagenesis in <i>Stevia rebaudiana</i> : variant generation with higher UGT expression and glycosidic profile but with low photosynthetic capabilities. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.                      | 1.0 | 15        |
| 71 | A mechanism-based pharmacological evaluation of efficacy of <i>Flacourtia indica</i> in management of dyslipidemia and oxidative stress in hyperlipidemic rats. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2016, 27, 121-129. | 0.7 | 15        |
| 72 | Development of Crystalline Cellulosic Fibres for Sustained Release of Drug. <i>Current Topics in Medicinal Chemistry</i> , 2016, 16, 2026-2035.   | 1.0 | 6         |

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|----|--|-----|-----------|
| 73 | Synthesis of Gold Mediated Biocompatible Nanocomposite of Lactone Enriched Fraction from Sahadevi ( <i>Vernonia cinerea</i> Lees): An Assessment of Antimalarial Potential. <i>Current Topics in Medicinal Chemistry</i> , 2016, 16, 2043-2050.  | 1.0 | 4         |
| 74 | Pharmacological and phytochemical evaluation of <i>Ocimum sanctum</i> root extracts for its antiinflammatory, analgesic and antipyretic activities. <i>Pharmacognosy Magazine</i> , 2015, 11, 217.   | 0.3 | 29        |
| 75 | Uni-dimensional double development HPTLC-densitometry method for simultaneous analysis of mangiferin and lupeol content in mango ( <i>Mangifera indica</i> ) pulp and peel during storage. <i>Food Chemistry</i> , 2015, 176, 91-98.   | 4.2 | 35        |
| 76 | Precursor feeding studies and molecular characterization of geraniol synthase establish the limiting role of geraniol in monoterpene indole alkaloid biosynthesis in <i>Catharanthus roseus</i> leaves. <i>Plant Science</i> , 2015, 239, 56-66.   | 1.7 | 43        |
| 77 | Anticancer activity and toxicity profiles of 2-benzylidene indanone lead molecule. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 76, 57-67.   | 1.9 | 56        |
| 78 | Assessment of Indian Rosewood ( <i>Dalbergia sissoo</i> ) Standardized Leaf Extract on Isoproterenol-Induced Myocardial Injury in Rats. <i>Cardiovascular Toxicology</i> , 2015, 15, 250-260.  | 1.1 | 8         |
| 79 | Chemical composition and acetylcholinesterase inhibitory activity of <i>Artemisia maderaspatana</i> essential oil. <i>Pharmaceutical Biology</i> , 2015, 53, 1677-1683.  | 1.3 | 14        |
| 80 | Influence of the capsular stigmatic ray populations on the agronomical economic traits and secondary metabolites in opium poppy ( <i>Papaver somniferum</i> L.). <i>Industrial Crops and Products</i> , 2015, 77, 424-433.   | 2.5 | 4         |
| 81 | Tryptophan metabolism and evaluation of morphological, biochemical and molecular variations in a field grown plant population derived via direct adventitious shoot bud regeneration from pre-plasmolysed leaves of <i>Catharanthus roseus</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 123, 357-375. | 1.2 | 4         |
| 82 | Over-expression of <i>Catharanthus roseus</i> tryptophan decarboxylase and strictosidine synthase in rol gene integrated transgenic cell suspensions of <i>Vinca minor</i> . <i>Protoplasma</i> , 2015, 252, 373-381.  | 1.0 | 40        |
| 83 | Morphogenetic and chemical stability of long-term maintained <i>Agrobacterium</i> -mediated transgenic <i>Catharanthus roseus</i> plants. <i>Natural Product Research</i> , 2015, 29, 315-320.   | 1.0 | 18        |
| 84 | Flavonoids Rich Fraction of <i>Citrus limetta</i> Fruit Peels Reduces Proinflammatory Cytokine Production and Attenuates Malaria Pathogenesis. <i>Current Pharmaceutical Biotechnology</i> , 2015, 16, 544-552.  | 0.9 | 21        |
| 85 | <i>Agrobacterium tumefaciens</i> -mediated transgenic plant and somaclone production through direct and indirect regeneration from leaves in <i>Stevia rebaudiana</i> with their glycoside profile. <i>Protoplasma</i> , 2014, 251, 661-70.  | 1.0 | 18        |
| 86 | An Assessment of Wound Healing Potential of <i>Argyrea speciosa</i> Leaves. <i>Scientific World Journal</i> , The, 2014, 2014, 1-6.  | 0.8 | 10        |
| 87 | Effect of <i>Pluchea lanceolata</i> bioactives in LPS-induced neuroinflammation in C6 rat glial cells. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2014, 387, 119-127.   | 1.4 | 18        |
| 88 | Comparative analysis of <i>Papaver somniferum</i> genotypes having contrasting latex and alkaloid profiles. <i>Protoplasma</i> , 2014, 251, 857-867.   | 1.0 | 11        |
| 89 | Sterol partitioning by <i>HMGR</i> and <i>DXR</i> for routing intermediates toward withanolide biosynthesis. <i>Physiologia Plantarum</i> , 2014, 152, 617-633.  | 2.6 | 53        |
| 90 | Improved sanguinarine production via biotic and abiotic elicitations and precursor feeding in cell suspensions of latex-less variety of <i>Papaver somniferum</i> with their gene expression studies and upscaling in bioreactor. <i>Protoplasma</i> , 2014, 251, 1359-1371.                                       | 1.0 | 31        |

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|-----|--|-----|-----------|
| 91  | Methyl Jasmonate-Elicited Transcriptional Responses and Pentacyclic Triterpene Biosynthesis in Sweet Basil <i>Á. Á.</i> <i>Plant Physiology</i> , 2014, 164, 1028-1044.  | 2.3 | 92        |
| 92  | New anti-inflammatory triterpene from the root of <i>Ricinus communis</i> . <i>Natural Product Research</i> , 2014, 28, 306-311.   | 1.0 | 19        |
| 93  | Fungal endophytes enhanced the growth and production kinetics of <i>Vinca minor</i> hairy roots and cell suspensions grown in bioreactor. <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 118, 257-268.  | 1.2 | 33        |
| 94  | Regulation of vincamine biosynthesis and associated growth promoting effects through abiotic elicitation, cyclooxygenase inhibition, and precursor feeding of bioreactor grown <i>Vinca minor</i> hairy roots. <i>Applied Biochemistry and Biotechnology</i> , 2014, 173, 663-672.                                     | 1.4 | 22        |
| 95  | Box-Behnken Design for Optimum Extraction of Biogenetic Chemicals from <i>P. lanceolata</i> with an Energy Audit (Thermal—Microwave—Acoustic): A Case Study of HPTLC Determination with Additional Specificity Using On-line/Off-line Coupling with DAD/NIR/ESI-MS. <i>Phytochemical Analysis</i> , 2014, 25, 551-560. | 1.2 | 8         |
| 96  | Protective Mechanism of Lignans from <i>Phyllanthus amarus</i> Against Galactosamine/Lipopolysaccharide-Induced Hepatitis: An In-Vivo and In-Silico Studies. <i>Current Topics in Medicinal Chemistry</i> , 2014, 14, 1045-1055.   | 1.0 | 6         |
| 97  | RNA-Seq analysis of two elite lines of <i>Withania somnifera</i> to evaluate potential of heterosis. <i>Indian Journal of Genetics and Plant Breeding</i> , 2014, 74, 612.   | 0.2 | 1         |
| 98  | Inhibition of Cathepsin D protease activity by <i>Punica granatum</i> fruit peel extracts, isolates, and semisynthetic analogs. <i>Medicinal Chemistry Research</i> , 2013, 22, 3953-3958.   | 1.1 | 6         |
| 99  | Assessment of antidiabetic potential of <i>Cissampelos pareira</i> leaf extract in streptozotocin—nicotinamide induced diabetic mice. <i>Journal of Pharmacy Research</i> , 2013, 6, 874-878.  | 0.4 | 8         |
| 100 | Antimalarial and safety evaluation of <i>Pluchea lanceolata</i> (DC.) Oliv. & Hiern: In-vitro and in-vivo study. <i>Journal of Ethnopharmacology</i> , 2013, 149, 797-802.   | 2.0 | 13        |
| 101 | Application of HPLC fingerprints for defining in vivo safety profile of Tulsi ( <i>Ocimum Sanctum</i> ). <i>Medicinal Chemistry Research</i> , 2013, 22, 219-224.  | 1.1 | 6         |
| 102 | Tryptophan over-producing cell suspensions of <i>Catharanthus roseus</i> (L) G. Don and their up-scaling in stirred tank bioreactor: detection of a phenolic compound with antioxidant potential. <i>Protoplasma</i> , 2013, 250, 371-380.   | 1.0 | 21        |
| 103 | Enrichment of aglycone fractions with immunomodulatory potential: Stability and pharmacokinetic of <i>Withania</i> bioactives. <i>Food Research International</i> , 2013, 54, 867-872.   | 2.9 | 1         |
| 104 | Synthesis of combretastatin A4 analogues on steroidal framework and their anti-breast cancer activity. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 137, 332-344.  | 1.2 | 29        |
| 105 | Wound Induced Transcriptional Regulation of Benzylisoquinoline Pathway and Characterization of Wound Inducible PsWRKY Transcription Factor from <i>Papaver somniferum</i> . <i>PLoS ONE</i> , 2013, 8, e52784.   | 1.1 | 80        |
| 106 | <i>Nyctanthes arbor-tristis</i> positively affects immunopathology of malaria-infected mice prolonging its survival. <i>Parasitology Research</i> , 2013, 112, 2601-2609.  | 0.6 | 7         |
| 107 | Heteromeric and Homomeric Geranyl Diphosphate Synthases from <i>Catharanthus roseus</i> and Their Role in Monoterpene Indole Alkaloid Biosynthesis. <i>Molecular Plant</i> , 2013, 6, 1531-1549.   | 3.9 | 92        |
| 108 | 4-Coumarate: CoA Ligase Partitions Metabolites for Eugenol Biosynthesis. <i>Plant and Cell Physiology</i> , 2013, 54, 1238-1252.   | 1.5 | 64        |

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|-----|---|-----|-----------|
| 109 | Growth, alkaloid production, <i>rol</i> genes integration, bioreactor up-scaling and plant regeneration studies in hairy root lines of <i>Catharanthus roseus</i> . <i>Plant Biosystems</i> , 2012, 146, 27-40.   | 0.8 | 26        |
| 110 | Quantitative relationships between molecular descriptors, chromatographic retention behavior, and in vitro antituberculosis activity of phytol derivatives. <i>Journal of Planar Chromatography - Modern TLC</i> , 2012, 25, 10-18.                           | 0.6 | 2         |
| 111 | Anticancer activity, toxicity and pharmacokinetic profile of an indanone derivative. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 47, 988-995.  | 1.9 | 42        |
| 112 | Enhanced vincamine production in selected tryptophan-overproducing shoots of <i>Vinca minor</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 111, 239-245.   | 1.2 | 13        |
| 113 | <i>Pluchea lanceolata</i> (Rasana): Chemical and biological potential of Rasayana herb used in traditional system of medicine. <i>FĀ-toterapĀ-Āç</i> , 2012, 83, 1371-1385.   | 1.1 | 28        |
| 114 | A simple and convenient synthesis of 2-methoxyestradiol from estrone. <i>Steroids</i> , 2012, 77, 467-470.  | 0.8 | 6         |
| 115 | Gallic acid based steroidal phenstatin analogues for selective targeting of breast cancer cells through inhibiting tubulin polymerization. <i>Steroids</i> , 2012, 77, 878-886.   | 0.8 | 26        |
| 116 | HILIC quantification of Oenotheralanosterol A and B from <i>Oenothera biennis</i> and their suppression of IL-6 and TNF- $\alpha$ expression in mouse macrophages. <i>Journal of Ethnopharmacology</i> , 2012, 141, 357-362.                                  | 2.0 | 20        |
| 117 | Increased Availability of Tryptophan in 5-Methyltryptophan-Tolerant Shoots of <i>Catharanthus roseus</i> and Their Postharvest in vivo Elicitation Induces Enhanced Vindoline Production. <i>Applied Biochemistry and Biotechnology</i> , 2012, 168, 568-579. | 1.4 | 6         |
| 118 | Determination of anti-tubercular agent in mango ginger ( <i>Curcuma amada</i> Roxb.) by reverse phase HPLC-PDA-MS. <i>Food Chemistry</i> , 2012, 131, 375-379.  | 4.2 | 16        |
| 119 | Synthesis and anticancer activity of 2-benzylidene indanones through inhibiting tubulin polymerization. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 3049-3057.  | 1.4 | 48        |
| 120 | HPTLC method for the simultaneous determination of four indole alkaloids in <i>Rauwolfia tetraphylla</i> : A study of organic/green solvent and continuous/pulse sonication. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 66, 33-39.      | 1.4 | 23        |
| 121 | Simultaneous analysis of six bioactive lignans in <i>Phyllanthus</i> species by reversed phase hyphenated high performance liquid chromatographic technique. <i>Acta Chromatographica</i> , 2011, 23, 321-337.  | 0.7 | 26        |
| 122 | Genetic and Chemical Diversity of High Mucilaginous Plants of <i>Sida</i> Complex by ISSR Markers and Chemical Fingerprinting. <i>Molecular Biotechnology</i> , 2011, 49, 77-81.  | 1.3 | 11        |
| 123 | Influence of <i>Moringa oleifera</i> on pharmacokinetic disposition of rifampicin using HPLC-PDA method: a pre-clinical study. <i>Biomedical Chromatography</i> , 2011, 25, 641-645.  | 0.8 | 17        |
| 124 | HPLC method development and validation of cytotoxic agent phenylheptatriyne in <i>Bidens pilosa</i> with ultrasonic-assisted cloud point extraction and preconcentration. <i>Biomedical Chromatography</i> , 2011, 25, 697-706.                               | 0.8 | 14        |
| 125 | 1-Chloro-2-formyl indenes and tetralenes as antitubercular agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 3966-3969.   | 1.0 | 28        |
| 126 | Simultaneous determination of three steroidal glycoalkaloids in <i>Solanum xanthocarpum</i> by high performance thin layer chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 54, 497-502.                                      | 1.4 | 31        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 127 | MICELLAR EXTRACTION AND CLOUD-POINT PRECONCENTRATION OF LABDANE DITERPENOIDS FROM <i>ANDROGRAPHIS PANICULATA</i> . Journal of Liquid Chromatography and Related Technologies, 2011, 34, 2085-2102.   | 0.5 | 4         |
| 128 | Design and Synthesis of C-Ring Lactone- and Lactam-Based Podophyllotoxin Analogues as Anticancer Agents. Chemical and Pharmaceutical Bulletin, 2010, 58, 242-246.  | 0.6 | 15        |
| 129 | Antitubercular potential of some semisynthetic analogues of phytol. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 508-512.   | 1.0 | 53        |
| 130 | A bioactive labdane diterpenoid from <i>Curcuma amada</i> and its semisynthetic analogues as antitubercular agents. European Journal of Medicinal Chemistry, 2010, 45, 4379-4382.  | 2.6 | 53        |
| 131 | Liquiritigenin Derivatives and Their Hepatoprotective Activity. Natural Product Communications, 2010, 5, 1934578X1000500.  | 0.2 | 6         |
| 132 | Influence of Soil Sodicity on the Growth, Alkaloid Yield, and Cation Accumulation of <i>Catharanthus roseus</i> . Journal of Herbs, Spices and Medicinal Plants, 2010, 16, 1-11.   | 0.5 | 2         |
| 133 | Detection of DNA polymorphism in <i>Papaver somniferum</i> genotypes differing in straw morphinan alkaloid content. Plant Biosystems, 2010, 144, 513-517.  | 0.8 | 6         |
| 134 | Biotransformation of Artemisinin Mediated through Fungal Strains for Obtaining Derivatives with Novel Activities. Scientia Pharmaceutica, 2009, 77, 87-95.   | 0.7 | 20        |
| 135 | Determination of Novel Plant Growth Promoting Diterpenes in <i>Callicarpa macrophylla</i> by HPLC and HPTLC. Journal of Liquid Chromatography and Related Technologies, 2009, 32, 2437-2450.   | 0.5 | 8         |
| 136 | Antifungal activity of <i>Glycyrrhiza glabra</i> extracts and its active constituent glabridin. Phytotherapy Research, 2009, 23, 1190-1193.  | 2.8 | 82        |
| 137 | Flavone Glycoside Based Validated RP-LC Method for Quality Evaluation of Prishniparni ( <i>Uraria picta</i> ). Chromatographia, 2009, 69, 653-658.   | 0.7 | 29        |
| 138 | In Vitro Propagation of <i>Rauwolfia serpentina</i> Using Liquid Medium, Assessment of Genetic Fidelity of Micropropagated Plants, and Simultaneous Quantitation of Reserpine, Ajmaline, and Ajmalicine. Methods in Molecular Biology, 2009, 547, 17-33. | 0.4 | 16        |
| 139 | Two new lignans from <i>Phyllanthus amarus</i> . Journal of Asian Natural Products Research, 2009, 11, 562-568.  | 0.7 | 24        |
| 140 | Safety evaluation of Trikatu, a generic Ayurvedic medicine in Charles Foster rats. Journal of Toxicological Sciences, 2009, 34, 99-108.  | 0.7 | 62        |
| 141 | Immunopotentiating Effect of an Ayurvedic Preparation from Medicinal Plants. Journal of Health Science, 2009, 55, 285-289.   | 0.9 | 5         |
| 142 | Topical anti-inflammatory effects of <i>Ocimum basilicum</i> leaf extract in the phorbol-12,13-dibutyrate model of mouse ear inflammation. Planta Medica, 2009, 75, .  | 0.7 | 5         |
| 143 | Recent advances in plant hepatoprotectives: A chemical and biological profile of some important leads. Medicinal Research Reviews, 2008, 28, 746-772.  | 5.0 | 132       |
| 144 | Separation and quantification of lignans in <i>Phyllanthus</i> species by a simple chiral densitometric method. Journal of Separation Science, 2008, 31, 47-55.  | 1.3 | 42        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 145 | Iridoid glycosides from <i>Gmelina arborea</i> . <i>Phytochemistry</i> , 2008, 69, 2387-2390.  | 1.4 | 26        |
| 146 | Iridoid glycoside-based quantitative chromatographic fingerprint analysis: A rational approach for quality assessment of Indian medicinal plant Gambhari ( <i>Gmelina arborea</i> ). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 47, 841-846. | 1.4 | 25        |
| 147 | Quantitative TLC Analysis of Sterol (24 <sup>12</sup> -Ethylcholesta-5,22E,25-triene-3 <sup>12</sup> -ol) in <i>Agnimantha</i> ( <i>Clerodendrum phlomidis</i> Linn). <i>Chromatographia</i> , 2008, 67, 269-274.  | 0.7 | 16        |
| 148 | Synergistic effect of silymarin and standardized extract of <i>Phyllanthus amarus</i> against CCl <sub>4</sub> -induced hepatotoxicity in <i>Rattus norvegicus</i> . <i>Phytomedicine</i> , 2008, 15, 1053-1061.   | 2.3 | 51        |
| 149 | Antimicrobial potential of <i>Glycyrrhiza glabra</i> roots. <i>Journal of Ethnopharmacology</i> , 2008, 116, 377-380.  | 2.0 | 183       |
| 150 | Determination of Paclitaxel, 10-DAB, and Related Taxoids in Himalayan Yew Using Reverse Phase HPLC. <i>Journal of Herbs, Spices and Medicinal Plants</i> , 2008, 13, 25-44.  | 0.5 | 2         |
| 151 | Demethoxycurcumin and its Semisynthetic Analogues as Antitubercular Agents. <i>Planta Medica</i> , 2008, 74, 1828-1831.  | 0.7 | 28        |
| 152 | Simultaneous Quantification of Withanolides in <i>Withania somnifera</i> by a Validated High-Performance Thin-Layer Chromatographic Method. <i>Journal of AOAC INTERNATIONAL</i> , 2008, 91, 1154-1161.  | 0.7 | 22        |
| 153 | Simultaneous quantification of withanolides in <i>Withania somnifera</i> by a validated high-performance thin-layer chromatographic method. <i>Journal of AOAC INTERNATIONAL</i> , 2008, 91, 1154-61.  | 0.7 | 8         |
| 154 | Synthesis of chalcone derivatives on steroidal framework and their anticancer activities. <i>Steroids</i> , 2007, 72, 892-900.   | 0.8 | 88        |
| 155 | Rapid and Sensitive HPLC Method for the Determination of Polyphenols in Various Lichen Species of Himalayan Origin. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2007, 30, 97-111.   | 0.5 | 10        |
| 156 | Determination of bioactive nitrile glycoside(s) in drumstick ( <i>Moringa oleifera</i> ) by reverse phase HPLC. <i>Food Chemistry</i> , 2007, 105, 376-382.  | 4.2 | 58        |
| 157 | RP-HPLC Method for the Quantitation of Glabridin in <i>Yashti-madhu</i> ( <i>Glycyrrhiza glabra</i> ). <i>Chromatographia</i> , 2007, 65, 771-774.   | 0.7 | 20        |
| 158 | Synthesis of gallic acid based naphthophenone fatty acid amides as cathepsin D inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 4603-4608.  | 1.0 | 22        |
| 159 | An evaluation of toxicity of <i>Taxus baccata</i> Linn. ( <i>Talispatra</i> ) in experimental animals. <i>Journal of Ethnopharmacology</i> , 2002, 79, 69-73.  | 2.0 | 19        |
| 160 | Uptake and translocation of selenium by maize ( <i>Zea mays</i> ) from its environmentally important forms. <i>Journal of Environmental Biology</i> , 2001, 22, 225-8.   | 0.2 | 1         |
| 161 | Effect of Selenium Supplementation on the Uptake and Translocation of Chromium by Spinach ( <i>Spinacia oleracea</i> ) Tj ETQq1 1 0.784314 rgBT /Overloc 1.3 17  | 1.3 | 17        |
| 162 | A study on the uptake of trivalent and hexavalent chromium by paddy ( <i>Oryza sativa</i> ): possible chemical modifications in rhizosphere. <i>Agriculture, Ecosystems and Environment</i> , 1997, 62, 53-58.   | 2.5 | 35        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 163 | Study of mercury-selenium (Hg <sup>2+</sup> -Se) interactions and their impact on Hg uptake by the radish ( <i>Raphanus</i> ) Tj ETQq1 1 0.784314 rgBT /O   | 1.8 | 61        |
| 164 | Effect of Selenite and Selenate on Plant Uptake of Cadmium by Maize ( <i>Zea mays</i> ). Bulletin of Environmental Contamination and Toxicology, 1996, 56, 419-424.   | 1.3 | 47        |
| 165 | Effect of selenite and selenate on plant uptake and translocation of mercury by tomato ( <i>Lycopersicum</i> ) Tj ETQq1 1 0.784314 rgBT /O  | 1.8 | 42        |
| 166 | Effect of selenite and selenate on plant uptake of cadmium by kidney bean( <i>Phaseolus mungo</i> )with reference to Cd <sup>2+</sup> Se interaction. Chemical Speciation and Bioavailability, 1995, 7, 97-100. | 2.0 | 30        |
| 167 | Development of hyperspectral indices for anti-cancerous Taxol content estimation in the Himalayan region. Geocarto International, 0, , 1-14.  | 1.7 | 3         |
| 168 | &lt;em>In vitro&/em> Screening of alcoholic and hydroalcoholic extracts of &lt;em>Ayurvedic&/em> medicinal plants for the management of hyperlipidemia. , 0, , .  |     | 2         |
| 169 | HPLC based fractionation and microtiter plate-based bioactivity profiling of &lt;em>Ocimum sanctum&/em> Linn. leaves for potential pancreatic lipase inhibitor(s). , 0, , .                                     |     | 1         |