

Bharathi Avula

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104
papers

1,554
citations

20
h-index

34
g-index

109
ext. papers

1,968
ext. citations

3.5
avg, IF

4.6
L-index

#	Paper	IF	Citations
104	Assessment of total phenolic and flavonoid content, antioxidant properties, and yield of aeroponically and conventionally grown leafy vegetables and fruit crops: a comparative study. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014 , 2014, 253875	2.3	140
103	Decarboxylation Study of Acidic Cannabinoids: A Novel Approach Using Ultra-High-Performance Supercritical Fluid Chromatography/Photodiode Array-Mass Spectrometry. <i>Cannabis and Cannabinoid Research</i> , 2016 , 1, 262-271	4.6	103
102	Characterization and screening of pyrrolizidine alkaloids and N-oxides from botanicals and dietary supplements using UHPLC-high resolution mass spectrometry. <i>Food Chemistry</i> , 2015 , 178, 136-48	8.5	65
101	In Situ Gel of Triamcinolone Acetonide-Loaded Solid Lipid Nanoparticles for Improved Topical Ocular Delivery: Tear Kinetics and Ocular Disposition Studies. <i>Nanomaterials</i> , 2018 , 9,	5.4	55
100	Simultaneous determination of sesquiterpenes and pyrrolizidine alkaloids from the rhizomes of <i>Petasites hybridus</i> (L.) G.M. et Sch. and dietary supplements using UPLC-UV and HPLC-TOF-MS methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012 , 70, 53-63	3.5	50
99	Evaluation of in vitro absorption, distribution, metabolism, and excretion (ADME) properties of mitragynine, 7-hydroxymitragynine, and mitraphylline. <i>Planta Medica</i> , 2014 , 80, 568-76	3.1	49
98	An integrated approach utilising chemometrics and GC/MS for classification of chamomile flowers, essential oils and commercial products. <i>Food Chemistry</i> , 2014 , 152, 391-8	8.5	43
97	The anticancer potential of steroidal saponin, dioscin, isolated from wild yam (<i>Dioscorea villosa</i>) root extract in invasive human breast cancer cell line MDA-MB-231 in vitro. <i>Archives of Biochemistry and Biophysics</i> , 2016 , 591, 98-110	4.1	42
96	Quantitative determination of multiple elements in botanicals and dietary supplements using ICP-MS. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 8887-94	5.7	42
95	Quantitative determination of phenolic compounds by UHPLC-UV-MS and use of partial least-square discriminant analysis to differentiate chemo-types of Chamomile/Chrysanthemum flower heads. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 88, 278-88	3.5	40
94	Quantitative Determination of Cannabinoids in Cannabis and Cannabis Products Using Ultra-High-Performance Supercritical Fluid Chromatography and Diode Array/Mass Spectrometric Detection. <i>Journal of Forensic Sciences</i> , 2017 , 62, 602-611	1.8	39
93	Quantitative determination of flavonoids and cycloartanol glycosides from aerial parts of <i>Sutherlandia frutescens</i> (L.) R. BR. by using LC-UV/ELSD methods and confirmation by using LC-MS method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 52, 173-80	3.5	37
92	Authentication of true cinnamon (<i>Cinnamomum verum</i>) utilising direct analysis in real time (DART)-QToF-MS. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2015 , 32, 1-8	3.2	34
91	Analytical methods for determination of magnoflorine and saponins from roots of <i>Caulophyllum thalictroides</i> (L.) Michx. using UPLC, HPLC and HPTLC. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011 , 56, 895-903	3.5	33
90	Flavonol glycosides from the south African medicinal plant <i>Sutherlandia frutescens</i> . <i>Planta Medica</i> , 2010 , 76, 178-81	3.1	32
89	Investigating sub-2 μ m particle stationary phase supercritical fluid chromatography coupled to mass spectrometry for chemical profiling of chamomile extracts. <i>Analytica Chimica Acta</i> , 2014 , 847, 61-72	6.6	27
88	Quantitative Determination of Δ^9 -THC, CBG, CBD, Their Acid Precursors and Five Other Neutral Cannabinoids by UHPLC-UV-MS. <i>Planta Medica</i> , 2018 , 84, 260-266	3.1	25

87	Severe and protracted cholestasis in 44 young men taking bodybuilding supplements: assessment of genetic, clinical and chemical risk factors. <i>Alimentary Pharmacology and Therapeutics</i> , 2019 , 49, 1195-1204	6.1	23
86	Ashwagandha-induced liver injury: A case series from Iceland and the US Drug-Induced Liver Injury Network. <i>Liver International</i> , 2020 , 40, 825-829	7.9	22
85	Profiling primaquine metabolites in primary human hepatocytes using UHPLC-QTOF-MS with ¹³ C stable isotope labeling. <i>Journal of Mass Spectrometry</i> , 2013 , 48, 276-85	2.2	21
84	PXR mediated induction of CYP3A4, CYP1A2, and P-gp by <i>Mitragyna speciosa</i> and its alkaloids. <i>Phytotherapy Research</i> , 2017 , 31, 1935-1945	6.7	20
83	Metabolism of primaquine in normal human volunteers: investigation of phase I and phase II metabolites from plasma and urine using ultra-high performance liquid chromatography-quadrupole time-of-flight mass spectrometry. <i>Malaria Journal</i> , 2018 , 17, 294	3.6	20
82	Quantitative Determination of Flavonoids by Column High-Performance Liquid Chromatography with Mass Spectrometry and Ultraviolet Absorption Detection in <i>Artemisia afra</i> and Comparative Studies with Various Species of <i>Artemisia</i> Plants. <i>Journal of AOAC INTERNATIONAL</i> , 2009 , 92, 633-644	1.7	20
81	Detection and quantification of phenethylamines in sports dietary supplements by NMR approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 151, 347-355	3.5	19
80	Chemical fingerprint of <i>Hoodia</i> species, dietary supplements, and related genera by using HPTLC. <i>Journal of Separation Science</i> , 2008 , 31, 3959-64	3.4	19
79	Pharmaceutical doses of the banned stimulant oxilofrine found in dietary supplements sold in the USA. <i>Drug Testing and Analysis</i> , 2017 , 9, 135-142	3.5	18
78	Enantioselective pharmacokinetics of primaquine in healthy human volunteers. <i>Drug Metabolism and Disposition</i> , 2015 , 43, 571-7	4	17
77	Variability in strength of red yeast rice supplements purchased from mainstream retailers. <i>European Journal of Preventive Cardiology</i> , 2017 , 24, 1431-1434	3.9	17
76	Concurrent supercritical fluid chromatographic analysis of terpene lactones and ginkgolic acids in <i>Ginkgo biloba</i> extracts and dietary supplements. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 4649-4654	4.4	16
75	Safety assessment of the dietary supplement OxyELITEPro (New Formula) in inbred and outbred mouse strains. <i>Food and Chemical Toxicology</i> , 2017 , 109, 194-209	4.7	16
74	Analysis of primaquine and its metabolite carboxyprimaquine in biological samples: enantiomeric separation, method validation and quantification. <i>Biomedical Chromatography</i> , 2011 , 25, 1010-7	1.7	16
73	Rebaudiosides T and U, minor C-19 xylopyranosyl and arabinopyranosyl steviol glycoside derivatives from <i>Stevia rebaudiana</i> (Bertoni) Bertoni. <i>Phytochemistry</i> , 2017 , 135, 106-114	4	15
72	Identification and structural characterization of steroidal glycosides in <i>Hoodia gordonii</i> by ion-trap tandem mass spectrometry and liquid chromatography coupled with electrospray ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008 , 22, 2587-96	2.2	15
71	Tandem Mass Spectrometry for Structural Identification of Sesquiterpene Alkaloids from the Stems of <i>Dendrobium nobile</i> Using LC-QToF. <i>Planta Medica</i> , 2016 , 82, 662-70	3.1	15
70	Identification and quantification of vinpocetine and picamilon in dietary supplements sold in the United States. <i>Drug Testing and Analysis</i> , 2016 , 8, 334-43	3.5	15

69	The Chemical Characterization of <i>Eleutherococcus senticosus</i> and Ci-wu-jia Tea using UHPLC-UV-QTOF/MS. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	14
68	Inhibition of CYP3A4 and CYP1A2 by <i>Aegle marmelos</i> and its constituents. <i>Xenobiotica</i> , 2016 , 46, 117-252		14
67	Quantitative determination of seven chemical constituents and chemo-type differentiation of chamomiles using high-performance thin-layer chromatography. <i>Journal of Separation Science</i> , 2014 , 37, 2797-804	3.4	14
66	Pathway-specific inhibition of primaquine metabolism by chloroquine/quinine. <i>Malaria Journal</i> , 2016 , 15, 466	3.6	14
65	A Public Health Issue: Dietary Supplements Promoted for Brain Health and Cognitive Performance. <i>Journal of Alternative and Complementary Medicine</i> , 2020 , 26, 265-272	2.4	13
64	Differential kinetic profiles and metabolism of primaquine enantiomers by human hepatocytes. <i>Malaria Journal</i> , 2016 , 15, 224	3.6	13
63	Characterization of steroidal saponins from <i>Dioscorea villosa</i> and <i>D. cayenensis</i> using ultrahigh performance liquid chromatography/electrospray ionization quadrupole time-of-flight mass spectrometry. <i>Planta Medica</i> , 2014 , 80, 321-9	3.1	13
62	Methylhexanamine is not detectable in <i>Pelargonium</i> or <i>Geranium</i> species and their essential oils: A multi-centre investigation. <i>Drug Testing and Analysis</i> , 2015 , 7, 645-54	3.5	12
61	(13)C metabolic flux analysis in neurons utilizing a model that accounts for hexose phosphate recycling within the pentose phosphate pathway. <i>Neurochemistry International</i> , 2016 , 93, 26-39	4.4	12
60	Targeted and non-targeted analysis of annonaceous alkaloids and acetogenins from <i>Asimina</i> and <i>Annona</i> species using UHPLC-QToF-MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 159, 548-566	3.5	11
59	Simultaneous Determination of Aegeline and Six Coumarins from Different Parts of the Plant <i>Aegle marmelos</i> Using UHPLC-PDA-MS and Chiral Separation of Aegeline Enantiomers Using HPLC-ToF-MS. <i>Planta Medica</i> , 2016 , 82, 580-8	3.1	11
58	Comparison of LC-UV, LC-ELSD and LC-MS Methods for the Determination of Sesquiterpenoids in Various Species of <i>Artemisia</i> . <i>Chromatographia</i> , 2009 , 70, 797-803	2.1	10
57	Simultaneous quantification of adrenergic amines and flavonoids in <i>C. aurantium</i> , various <i>Citrus</i> species, and dietary supplements by liquid chromatography. <i>Journal of AOAC INTERNATIONAL</i> , 2005 , 88, 1593-606	1.7	10
56	Rapid analysis of lignans from leaves of <i>Podophyllum peltatum</i> L. samples using UPLC-UV-MS. <i>Biomedical Chromatography</i> , 2011 , 25, 1230-6	1.7	9
55	Simultaneous identification and quantification of anthraquinones, polydatin, and resveratrol in <i>Polygonum multiflorum</i> , various <i>Polygonum</i> species, and dietary supplements by liquid chromatography and microscopic study of <i>Polygonum</i> species. <i>Journal of AOAC INTERNATIONAL</i> , 2007 , 90, 1532-8	1.7	9
54	The power of hyphenated chromatography-Time of flight mass spectrometry for unequivocal identification of spirostanes in bodybuilding dietary supplements. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 167, 74-82	3.5	8
53	Studies on Pharmacokinetic Drug Interaction Potential of Vinpocetine. <i>Medicines (Basel, Switzerland)</i> , 2015 , 2, 93-105	4.1	8
52	Identification and Characterization of Key Chemical Constituents in Processed Using UHPLC-MS/MS and Chemometric Methods. <i>Journal of Analytical Methods in Chemistry</i> , 2019 , 2019, 4396201	2	8

51	Characterization, Quantification and Quality Assessment of Avocado (Mill.) Oils. <i>Molecules</i> , 2020 , 25,	4.8	8
50	Quantitative determination of flavonoids by column high-performance liquid chromatography with mass spectrometry and ultraviolet absorption detection in <i>Artemisia afra</i> and comparative studies with various species of <i>Artemisia</i> plants. <i>Journal of AOAC INTERNATIONAL</i> , 2009 , 92, 633-44	1.7	8
49	Decaffeinated Green Tea Extract Does Not Elicit Hepatotoxic Effects and Modulates the Gut Microbiome in Lean B6C3F ₁ Mice. <i>Nutrients</i> , 2019 , 11,	6.7	7
48	Assignment of sugar arrangement in branched steviol glycosides using electrospray ionization quadrupole time-of-flight tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2017 , 31, 315-324	2.2	7
47	QUANTITATIVE DETERMINATION OF PHENOLIC ACIDS IN LONICERA JAPONICA THUNB. USING HIGH PERFORMANCE THIN LAYER CHROMATOGRAPHY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2010 , 34, 38-47	1.3	7
46	Monoamine oxidases inhibitors from <i>Colvillea racemosa</i> : Isolation, biological evaluation, and computational study. <i>Fitoterapia</i> , 2018 , 124, 217-223	3.2	7
45	Liquid chromatography-quadrupole time of flight mass spectrometric method for targeted analysis of 111 nitrogen-based compounds in weight loss and ergogenic supplements. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 174, 305-323	3.5	6
44	The scoop on brain health dietary supplement products containing huperzine A. <i>Clinical Toxicology</i> , 2020 , 58, 991-996	2.9	6
43	Endocyclic double bond isomers and by-products from rebaudioside A and stevioside formed under acid conditions. <i>Phytochemistry Letters</i> , 2018 , 25, 163-170	1.9	6
42	<i>Eleutherococcus senticosus</i> (Araliaceae) Leaf Morpho-Anatomy, Essential Oil Composition, and Its Biological Activity Against <i>Aedes aegypti</i> (Diptera: Culicidae). <i>Journal of Medical Entomology</i> , 2017 , 54, 658-669	2.2	6
41	Five Unapproved Drugs Found in Cognitive Enhancement Supplements. <i>Neurology: Clinical Practice</i> , 2021 , 11, e303-e307	1.7	6
40	Chemical fingerprinting of <i>Hoodia</i> species and related genera: chemical analysis of oxypregnane glycosides using high-performance liquid chromatography with UV detection in <i>Hoodia gordonii</i> . <i>Journal of AOAC INTERNATIONAL</i> , 2007 , 90, 1526-31	1.7	6
39	Updates to a C metabolic flux analysis model for evaluating energy metabolism in cultured cerebellar granule neurons from neonatal rats. <i>Neurochemistry International</i> , 2017 , 109, 54-67	4.4	5
38	Melt-Cast Films Significantly Enhance Triamcinolone Acetonide Delivery to the Deeper Ocular Tissues. <i>Pharmaceutics</i> , 2019 , 11,	6.4	5
37	Development and Validation of a UHPLC-PDA-MS Method for the Quantitative Analysis of Anthraquinones in <i>Bulbine natalensis</i> Extracts and Dietary Supplements. <i>Planta Medica</i> , 2020 , 86, 144-150	3.1	5
36	<i>Piper nigrum</i> Oil - Determination of Selected Terpenes for Quality Evaluation. <i>Planta Medica</i> , 2019 , 85, 185-194	3.1	5
35	Modulation of CYP3A4 and CYP2C9 activity by <i>Bulbine natalensis</i> and its constituents: An assessment of HDI risk of <i>B. natalensis</i> containing supplements. <i>Phytomedicine</i> , 2021 , 81, 153416	6.5	5
34	Metabolic Profiling of <i>Hoodia</i> , Chamomile, <i>Terminalia</i> Species and Evaluation of Commercial Preparations Using Ultrahigh-Performance Liquid Chromatography Quadrupole-Time-of-Flight Mass Spectrometry. <i>Planta Medica</i> , 2017 , 83, 1297-1308	3.1	4

33	Structural Characterization of Cranberry Arabinoxyloglucan Oligosaccharides. <i>Journal of Natural Products</i> , 2019 , 82, 606-620	4.9	4
32	Fast Identification of 1,3-Dimethylamylamine Using Direct Analysis in Real Time-QToF-MS. <i>Journal of AOAC INTERNATIONAL</i> , 2015 , 98, 757-759	1.7	4
31	Identification of fusaricidins from the antifungal microbial strain <i>Paenibacillus</i> sp. MS2379 using ultra-high performance liquid chromatography coupled to quadrupole time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2019 , 1586, 91-100	4.5	4
30	Analysis of prenylflavonoids from aerial parts of <i>Epimedium grandiflorum</i> and dietary supplements using HPTLC, UHPLC-PDA and UHPLC-QToF along with chemometric tools to differentiate <i>Epimedium</i> species. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 177, 112843	3.5	4
29	Tetra-glucopyranosyl Diterpene ent-Kaur-16-en-19-oic Acid and ent-13(S)-Hydroxyatisenoic Acid Derivatives from a Commercial Extract of <i>Stevia rebaudiana</i> (Bertoni) Bertoni. <i>Molecules</i> , 2018 , 23,	4.8	4
28	Quantitative determination and pharmacokinetic study of fusaricidin A in mice plasma and tissues using ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 170, 187-192	3.5	3
27	Pharmacokinetics and Tissue Distribution of Aegeline after Oral Administration in Mice. <i>Planta Medica</i> , 2019 , 85, 491-495	3.1	3
26	Quantification and Characterization of Phenolic Compounds from Northern Indian Propolis Extracts and Dietary Supplements. <i>Journal of AOAC INTERNATIONAL</i> , 2020 , 103, 1378-1393	1.7	3
25	Chemical profiling and characterization of phenolic acids, flavonoids, terpene glycosides from <i>Vangueria agrestis</i> using ultra-high-performance liquid chromatography/ion mobility quadrupole time-of-flight mass spectrometry and metabolomics approach. <i>Biomedical Chromatography</i> , 2020 , 34, e4840	1.7	3
24	Application of GC/Q-ToF Combined with Advanced Data Mining and Chemometric Tools in the Characterization and Quality Control of Bay Leaves. <i>Planta Medica</i> , 2018 , 84, 1045-1054	3.1	3
23	Impact of obesity on the toxicity of a multi-ingredient dietary supplement, OxyELITE Pro [®] (New Formula), using the novel NZO/HILtJ obese mouse model: Physiological and mechanistic assessments. <i>Food and Chemical Toxicology</i> , 2018 , 122, 21-32	4.7	3
22	Separation of cucurbitane triterpenoids from bitter melon drinks and determination of partition coefficients using vortex-assisted dispersive liquid-phase microextraction followed by UHPLC analysis. <i>Journal of Separation Science</i> , 2017 , 40, 2238-2245	3.4	2
21	Quantitative determination of pregnanes from aerial parts of <i>Caralluma</i> species using HPLC-UV and identification by LC-ESI-TOF. <i>Journal of AOAC INTERNATIONAL</i> , 2011 , 94, 1383-90	1.7	2
20	Comparative analysis of five <i>Salvia</i> species using LC-DAD-QToF.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 209, 114520	3.5	2
19	Possible Herb-Drug Interaction Risk of Some Nutritional and Beauty Supplements on Antiretroviral Therapy in HIV Patients. <i>Journal of Dietary Supplements</i> , 2020 , 1-16	2.3	2
18	Quantitative determination and characterization of polyphenols from <i>Cissus quadrangularis</i> L. and dietary supplements using UHPLC-PDA-MS, LC-QToF and HPTLC. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 199, 114036	3.5	2
17	Quantification of Phenolic Compounds from <i>Fadogia agrestis</i> and Dietary Supplements using UHPLC-PDA-MS. <i>Planta Medica</i> , 2019 , 85, 145-153	3.1	2
16	Comparative study and quality evaluation regarding morphology characters, volatile constituents, and triglycerides in seeds of five species used in traditional Chinese medicine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 194, 113801	3.5	2

15	Simultaneous analysis of adrenergic amines and flavonoids in citrus peel jams and fruit juices by liquid chromatography: part 2. <i>Journal of AOAC INTERNATIONAL</i> , 2007 , 90, 633-40	1.7	2
14	Ashwagandha as a cause for liver injury. <i>Liver International</i> , 2020 , 40, 2035-2036	7.9	1
13	Licochalcone L, an undescribed retrochalcone from roots. <i>Natural Product Research</i> , 2020 , 1-7	2.3	1
12	A Comprehensive Workflow for the Analysis of Bio-Macromolecular Supplements: Case Study of 20 Whey Protein Products. <i>Journal of Dietary Supplements</i> , 2021 , 1-19	2.3	1
11	Analysis of docosanol using GC/MS: Method development, validation, and application to human skin permeation studies.. <i>Journal of Pharmaceutical Analysis</i> , 2022 , 12, 287-292	14	1
10	Analysis of Crocetins and Safranal Variations in Saffron (<i>Crocus sativus</i>) Stigma Samples and Dietary Supplements Using HPLC/UHPLC-PDA-MS: Chemical Profiling and Chemometric Analysis Using LC-QToF. <i>Food Analytical Methods</i> , 1	3.4	1
9	Simultaneous determination and characterization of flavonoids, sesquiterpene lactone, and other phenolics from <i>Centaurea benedicta</i> and dietary supplements using UHPLC-PDA-MS and LC-DAD-QToF.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022 , 216, 114806	3.5	1
8	Comparative pharmacokinetics and tissue distribution of primaquine enantiomers in mice.. <i>Malaria Journal</i> , 2022 , 21, 33	3.6	0
7	Identification of Antifungal Bisphosphocholines from Medicinal Species. <i>Journal of Natural Products</i> , 2020 , 83, 3207-3211	4.9	0
6	Phenoxychromone and 4-hydroxyisoflavans from the roots of. <i>Natural Product Research</i> , 2021 , 1-8	2.3	0
5	Eupatorin 3F-glucopyranoside, a trimethoxyflavonoid glucoside from the aerial parts of. <i>Natural Product Research</i> , 2021 , 1-8	2.3	0
4	Relative safety and quality of various dietary supplement products U.S. Service Members ask about.. <i>Clinical Toxicology</i> , 2022 , 1-8	2.9	0
3	Assessment of Herb-Drug Interaction Potential of Five Common Species of Licorice and Their Phytochemical Constituents.. <i>Journal of Dietary Supplements</i> , 2022 , 1-20	2.3	0
2	The Red Yeast Rice story: How to manufacture a tall tale from nature. <i>European Journal of Preventive Cardiology</i> , 2018 , 25, 73-75	3.9	
1	Chemical Profiling and Characterization of Anthraquinones from Two Bulbine Species and Dietary Supplements Using Liquid Chromatography-High Resolution Mass Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , 2021 , 104, 1394-1407	1.7	