Bharathi Avula

List of Publications by Year in Descending Order

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	Comparative pharmacokinetics and tissue distribution of primaquine enantiomers in mice.. *Malaria Journal*, **2022**, 21, 33	3.6	0
103	Analysis of docosanol using GC/MS: Method development, validation, and application to human skin permeation studies.. *Journal of Pharmaceutical Analysis*, **2022**, 12, 287-292	14	1
102	Relative safety and quality of various dietary supplement products U.S. Service Members ask about.. *Clinical Toxicology*, **2022**, 1-8	2.9	0
101	Assessment of Herb-Drug Interaction Potential of Five Common Species of Licorice and Their Phytochemical Constituents.. *Journal of Dietary Supplements*, **2022**, 1-20	2.3	0
100	Simultaneous determination and characterization of flavonoids, sesquiterpene lactone, and other phenolics from Centaurea benedicta and dietary supplements using UHPLC-PDA-MS and LC-DAD-QToF.. *Journal of Pharmaceutical and Biomedical Analysis*, **2022**, 216, 114806	3.5	1
99	Comparative analysis of five Salvia species using LC-DAD-QToF.. *Journal of Pharmaceutical and Biomedical Analysis*, **2021**, 209, 114520	3.5	2
98	A Comprehensive Workflow for the Analysis of Bio-Macromolecular Supplements: Case Study of 20 Whey Protein Products. *Journal of Dietary Supplements*, **2021**, 1-19	2.3	1
97	Phenoxychromone and 4-hydroxyisoflavans from the roots of. *Natural Product Research*, **2021**, 1-8	2.3	0
96	Quantitative determination and characterization of polyphenols from Cissus quadrangularis L. and dietary supplements using UHPLC-PDA-MS, LC-QToF and HPTLC. *Journal of Pharmaceutical and Biomedical Analysis*, **2021**, 199, 114036	3.5	2
95	Chemical Profiling and Characterization of Anthraquinones from Two Bulbine Species and Dietary Supplements Using Liquid Chromatography-High Resolution Mass Spectrometry. *Journal of AOAC INTERNATIONAL*, **2021**, 104, 1394-1407	1.7	
94	Modulation of CYP3A4 and CYP2C9 activity by Bulbine natalensis and its constituents: An assessment of HDI risk of B. natalensis containing supplements. *Phytomedicine*, **2021**, 81, 153416	6.5	5
93	Five Unapproved Drugs Found in Cognitive Enhancement Supplements. *Neurology: Clinical Practice*, **2021**, 11, e303-e307	1.7	6
92	Comparative study and quality evaluation regarding morphology characters, volatile constituents, and triglycerides in seeds of five species used in traditional Chinese medicine. *Journal of Pharmaceutical and Biomedical Analysis*, **2021**, 194, 113801	3.5	2
91	Eupatorin 3Ŧ-glucopyranoside, a trimethoxyflavonoid glucoside from the aerial parts of. *Natural Product Research*, **2021**, 1-8	2.3	0
90	Ashwagandha as a cause for liver injury. *Liver International*, **2020**, 40, 2035-2036	7.9	1
89	Licochalcone L, an undescribed retrochalcone from roots. *Natural Product Research*, **2020**, 1-7	2.3	1
88	Quantification and Characterization of Phenolic Compounds from Northern Indian Propolis Extracts and Dietary Supplements. *Journal of AOAC INTERNATIONAL*, **2020**, 103, 1378-1393	1.7	3

87	A Public Health Issue: Dietary Supplements Promoted for Brain Health and Cognitive Performance. *Journal of Alternative and Complementary Medicine*, **2020**, 26, 265-272	2.4	13
86	Ashwagandha-induced liver injury: A case series from Iceland and the US Drug-Induced Liver Injury Network. *Liver International*, **2020**, 40, 825-829	7.9	22
85	The scoop on brain health dietary supplement products containing huperzine A. *Clinical Toxicology*, **2020**, 58, 991-996	2.9	6
84	Chemical profiling and characterization of phenolic acids, flavonoids, terpene glycosides from Vangueria agrestis using ultra-high-performance liquid chromatography/ion mobility quadrupole time-of-flight mass spectrometry and metabolomics approach. *Biomedical Chromatography*, **2020**, 34, e4840	1.7	3
83	Development and Validation of a UHPLC-PDA-MS Method for the Quantitative Analysis of Anthraquinones in Bulbine natalensis Extracts and Dietary Supplements. *Planta Medica*, **2020**, 86, 144-150	3.1	5
82	Identification of Antifungal Bisphosphocholines from Medicinal Species. *Journal of Natural Products* , **2020**, 83, 3207-3211	4.9	0
81	Possible Herb-Drug Interaction Risk of Some Nutritional and Beauty Supplements on Antiretroviral Therapy in HIV Patients. *Journal of Dietary Supplements*, **2020**, 1-16	2.3	2
80	Analysis of prenylflavonoids from aerial parts of Epimedium grandiflorum and dietary supplements using HPTLC, UHPLC-PDA and UHPLC-QToF along with chemometric tools to differentiate Epimedium species. *Journal of Pharmaceutical and Biomedical Analysis*, **2020**, 177, 112843	3.5	4
79	Characterization, Quantification and Quality Assessment of Avocado (Mill.) Oils. *Molecules*, **2020**, 25,	4.8	8
78	Liquid chromatography-quadrupole time of flight mass spectrometric method for targeted analysis of 111 nitrogen-based compounds in weight loss and ergogenic supplements. *Journal of Pharmaceutical and Biomedical Analysis*, **2019**, 174, 305-323	3.5	6
77	Melt-Cast Films Significantly Enhance Triamcinolone Acetonide Delivery to the Deeper Ocular Tissues. *Pharmaceutics*, **2019**, 11,	6.4	5
76	Structural Characterization of Cranberry Arabinoxyloglucan Oligosaccharides. *Journal of Natural Products*, **2019**, 82, 606-620	4.9	4
75	Quantitative determination and pharmacokinetic study of fusaricidin A in mice plasma and tissues using ultra-high performance liquid chromatography-tandem mass spectrometry. *Journal of Pharmaceutical and Biomedical Analysis*, **2019**, 170, 187-192	3.5	3
74	Severe and protracted cholestasis in 44 young men taking bodybuilding supplements: assessment of genetic, clinical and chemical risk factors. *Alimentary Pharmacology and Therapeutics*, **2019**, 49, 1195-1204	6.1	23
73	Decaffeinated Green Tea Extract Does Not Elicit Hepatotoxic Effects and Modulates the Gut Microbiome in Lean B6C3F Mice. *Nutrients*, **2019**, 11,	6.7	7
72	The power of hyphenated chromatography-Time of flight mass spectrometry for unequivocal identification of spirostanes in bodybuilding dietary supplements. *Journal of Pharmaceutical and Biomedical Analysis*, **2019**, 167, 74-82	3.5	8
71	The Chemical Characterization of Eleutherococcus senticosus and Ci-wu-jia Tea using UHPLC-UV-QTOF/MS. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	14
70	Pharmacokinetics and Tissue Distribution of Aegeline after Oral Administration in Mice. *Planta Medica*, **2019**, 85, 491-495	3.1	3

69	Identification and Characterization of Key Chemical Constituents in Processed Using UHPLC-MS/MS and Chemometric Methods. *Journal of Analytical Methods in Chemistry*, **2019**, 2019, 4396201	2	8
68	Quantification of Phenolic Compounds from Fadogia agrestis and Dietary Supplements using UHPLC-PDA-MS. *Planta Medica*, **2019**, 85, 145-153	3.1	2
67	Piper nigrum Oil - Determination of Selected Terpenes for Quality Evaluation. *Planta Medica*, **2019**, 85, 185-194	3.1	5
66	Identification of fusaricidins from the antifungal microbial strain Paenibacillus sp. MS2379 using ultra-high performance liquid chromatography coupled to quadrupole time-of-flight mass spectrometry. *Journal of Chromatography A*, **2019**, 1586, 91-100	4.5	4
65	Endocyclic double bond isomers and by-products from rebaudioside A and stevioside formed under acid conditions. *Phytochemistry Letters*, **2018**, 25, 163-170	1.9	6
64	Detection and quantification of phenethylamines in sports dietary supplements by NMR approach. *Journal of Pharmaceutical and Biomedical Analysis*, **2018**, 151, 347-355	3.5	19
63	Quantitative Determination of Δ9-THC, CBG, CBD, Their Acid Precursors and Five Other Neutral Cannabinoids by UHPLC-UV-MS. *Planta Medica*, **2018**, 84, 260-266	3.1	25
62	Application of GC/Q-ToF Combined with Advanced Data Mining and Chemometric Tools in the Characterization and Quality Control of Bay Leaves. *Planta Medica*, **2018**, 84, 1045-1054	3.1	3
61	The Red Yeast Rice story: How to manufacture a tall tale from nature. *European Journal of Preventive Cardiology*, **2018**, 25, 73-75	3.9	
60	Targeted and non-targeted analysis of annonaceous alkaloids and acetogenins from Asimina and Annona species using UHPLC-QToF-MS. *Journal of Pharmaceutical and Biomedical Analysis*, **2018**, 159, 548-566	3.5	11
59	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. *Malaria Journal*, **2018**, 17, 294	3.6	20
58	In Situ Gel of Triamcinolone Acetonide-Loaded Solid Lipid Nanoparticles for Improved Topical Ocular Delivery: Tear Kinetics and Ocular Disposition Studies. *Nanomaterials*, **2018**, 9,	5.4	55
57	Monoamine oxidases inhibitors from Colvillea racemosa: Isolation, biological evaluation, and computational study. *Fitoterapia*, **2018**, 124, 217-223	3.2	7
56	Tetra-glucopyranosyl Diterpene ent-Kaur-16-en-19-oic Acid and ent-13(S)-Hydroxyatisenoic Acid Derivatives from a Commercial Extract of Stevia rebaudiana (Bertoni) Bertoni. *Molecules*, **2018**, 23,	4.8	4
55	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. *Food and Chemical Toxicology*, **2018**, 122, 21-32	4.7	3
54	Updates to a C metabolic flux analysis model for evaluating energy metabolism in cultured cerebellar granule neurons from neonatal rats. *Neurochemistry International*, **2017**, 109, 54-67	4.4	5
53	Metabolic Profiling of Hoodia, Chamomile, Terminalia Species and Evaluation of Commercial Preparations Using Ultrahigh-Performance Liquid Chromatography Quadrupole-Time-of-Flight Mass Spectrometry. *Planta Medica*, **2017**, 83, 1297-1308	3.1	4
52	Separation of cucurbitane triterpenoids from bitter melon drinks and determination of partition coefficients using vortex-assisted dispersive liquid-phase microextraction followed by UHPLC analysis. *Journal of Separation Science*, **2017**, 40, 2238-2245	3.4	2

51	Rebaudiosides T and U, minor C-19 xylopyranosyl and arabinopyranosyl steviol glycoside derivatives from Stevia rebaudiana (Bertoni) Bertoni. *Phytochemistry*, **2017**, 135, 106-114	4	15
50	Quantitative Determination of Cannabinoids in Cannabis and Cannabis Products Using Ultra-High-Performance Supercritical Fluid Chromatography and Diode Array/Mass Spectrometric Detection. *Journal of Forensic Sciences*, **2017**, 62, 602-611	1.8	39
49	PXR mediated induction of CYP3A4, CYP1A2, and P-gp by Mitragyna speciosa and its alkaloids. *Phytotherapy Research*, **2017**, 31, 1935-1945	6.7	20
48	Variability in strength of red yeast rice supplements purchased from mainstream retailers. *European Journal of Preventive Cardiology*, **2017**, 24, 1431-1434	3.9	17
47	Pharmaceutical doses of the banned stimulant oxilofrine found in dietary supplements sold in the USA. *Drug Testing and Analysis*, **2017**, 9, 135-142	3.5	18
46	Assignment of sugar arrangement in branched steviol glycosides using electrospray ionization quadrupole time-of-flight tandem mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2017**, 31, 315-324	2.2	7
45	Eleutherococcus senticosus (Araliaceae) Leaf Morpho-Anatomy, Essential Oil Composition, and Its Biological Activity Against Aedes aegypti (Diptera: Culicidae). *Journal of Medical Entomology*, **2017**, 54, 658-669	2.2	6
44	Safety assessment of the dietary supplement OxyELITE Pro (New Formula) in inbred and outbred mouse strains. *Food and Chemical Toxicology*, **2017**, 109, 194-209	4.7	16
43	Concurrent supercritical fluid chromatographic analysis of terpene lactones and ginkgolic acids in Ginkgo biloba extracts and dietary supplements. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 4649-60	4.4	16
42	Differential kinetic profiles and metabolism of primaquine enantiomers by human hepatocytes. *Malaria Journal*, **2016**, 15, 224	3.6	13
41	(13)C metabolic flux analysis in neurons utilizing a model that accounts for hexose phosphate recycling within the pentose phosphate pathway. *Neurochemistry International*, **2016**, 93, 26-39	4.4	12
40	The anticancer potential of steroidal saponin, dioscin, isolated from wild yam (Dioscorea villosa) root extract in invasive human breast cancer cell line MDA-MB-231 in vitro. *Archives of Biochemistry and Biophysics*, **2016**, 591, 98-110	4.1	42
39	Inhibition of CYP3A4 and CYP1A2 by Aegle marmelos and its constituents. *Xenobiotica*, **2016**, 46, 117-25	2	14
38	Decarboxylation Study of Acidic Cannabinoids: A Novel Approach Using Ultra-High-Performance Supercritical Fluid Chromatography/Photodiode Array-Mass Spectrometry. *Cannabis and Cannabinoid Research*, **2016**, 1, 262-271	4.6	103
37	Tandem Mass Spectrometry for Structural Identification of Sesquiterpene Alkaloids from the Stems of Dendrobium nobile Using LC-QToF. *Planta Medica*, **2016**, 82, 662-70	3.1	15
36	Simultaneous Determination of Aegeline and Six Coumarins from Different Parts of the Plant Aegle marmelos Using UHPLC-PDA-MS and Chiral Separation of Aegeline Enantiomers Using HPLC-ToF-MS. *Planta Medica*, **2016**, 82, 580-8	3.1	11
35	Pathway-specific inhibition of primaquine metabolism by chloroquine/quinine. *Malaria Journal*, **2016**, 15, 466	3.6	14
34	Identification and quantification of vinpocetine and picamilon in dietary supplements sold in the United States. *Drug Testing and Analysis*, **2016**, 8, 334-43	3.5	15

33	Characterization and screening of pyrrolizidine alkaloids and N-oxides from botanicals and dietary supplements using UHPLC-high resolution mass spectrometry. *Food Chemistry*, **2015**, 178, 136-48	8.5	65
32	Enantioselective pharmacokinetics of primaquine in healthy human volunteers. *Drug Metabolism and Disposition*, **2015**, 43, 571-7	4	17
31	Fast Identification of 1,3-Dimethylamylamine Using Direct Analysis in Real Time-QToF-MS. *Journal of AOAC INTERNATIONAL*, **2015**, 98, 757-759	1.7	4
30	Authentication of true cinnamon (Cinnamon verum) utilising direct analysis in real time (DART)-QToF-MS. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2015**, 32, 1-8	3.2	34
29	Methylhexanamine is not detectable in Pelargonium or Geranium species and their essential oils: A multi-centre investigation. *Drug Testing and Analysis*, **2015**, 7, 645-54	3.5	12
28	Studies on Pharmacokinetic Drug Interaction Potential of Vinpocetine. *Medicines (Basel, Switzerland)*, **2015**, 2, 93-105	4.1	8
27	Investigating sub-2 μm particle stationary phase supercritical fluid chromatography coupled to mass spectrometry for chemical profiling of chamomile extracts. *Analytica Chimica Acta*, **2014**, 847, 61-72	6.6	27
26	An integrated approach utilising chemometrics and GC/MS for classification of chamomile flowers, essential oils and commercial products. *Food Chemistry*, **2014**, 152, 391-8	8.5	43
25	Assessment of total phenolic and flavonoid content, antioxidant properties, and yield of aeroponically and conventionally grown leafy vegetables and fruit crops: a comparative study. *Evidence-based Complementary and Alternative Medicine*, **2014**, 2014, 253875	2.3	140
24	Characterization of steroidal saponins from Dioscorea villosa and D. cayenensis using ultrahigh performance liquid chromatography/electrospray ionization quadrupole time-of-flight mass spectrometry. *Planta Medica*, **2014**, 80, 321-9	3.1	13
23	Evaluation of in vitro absorption, distribution, metabolism, and excretion (ADME) properties of mitragynine, 7-hydroxymitragynine, and mitraphylline. *Planta Medica*, **2014**, 80, 568-76	3.1	49
22	Quantitative determination of seven chemical constituents and chemo-type differentiation of chamomiles using high-performance thin-layer chromatography. *Journal of Separation Science*, **2014** , 37, 2797-804	3.4	14
21	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. *Journal of Pharmaceutical and Biomedical Analysis*, **2014**, 88, 278-88	3.5	40
20	Profiling primaquine metabolites in primary human hepatocytes using UHPLC-QTOF-MS with 13C stable isotope labeling. *Journal of Mass Spectrometry*, **2013**, 48, 276-85	2.2	21
19	Simultaneous determination of sesquiterpenes and pyrrolizidine alkaloids from the rhizomes of Petasites hybridus (L.) G.M. et Sch. and dietary supplements using UPLC-UV and HPLC-TOF-MS methods. *Journal of Pharmaceutical and Biomedical Analysis*, **2012**, 70, 53-63	3.5	50
18	Analytical methods for determination of magnoflorine and saponins from roots of Caulophyllum thalictroides (L.) Michx. using UPLC, HPLC and HPTLC. *Journal of Pharmaceutical and Biomedical Analysis*, **2011**, 56, 895-903	3.5	33
17	Analysis of primaquine and its metabolite carboxyprimaquine in biological samples: enantiomeric separation, method validation and quantification. *Biomedical Chromatography*, **2011**, 25, 1010-7	1.7	16
16	Rapid analysis of lignans from leaves of Podophyllum peltatum L. samples using UPLC-UV-MS. *Biomedical Chromatography*, **2011**, 25, 1230-6	1.7	9

15	Quantitative determination of pregnanes from aerial parts of Caralluma species using HPLC-UV and identification by LC-ESI-TOF. *Journal of AOAC INTERNATIONAL*, **2011**, 94, 1383-90	1.7	2
14	Flavonol glycosides from the south African medicinal plant Sutherlandia frutescens. *Planta Medica*, **2010**, 76, 178-81	3.1	32
13	QUANTITATIVE DETERMINATION OF PHENOLIC ACIDS IN LONICERA JAPONICA THUNB. USING HIGH PERFORMANCE THIN LAYER CHROMATOGRAPHY. *Journal of Liquid Chromatography and Related Technologies*, **2010**, 34, 38-47	1.3	7
12	Quantitative determination of multiple elements in botanicals and dietary supplements using ICP-MS. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 8887-94	5.7	42
11	Quantitative determination of flavonoids and cycloartanol glycosides from aerial parts of Sutherlandia frutescens (L.) R. BR. by using LC-UV/ELSD methods and confirmation by using LC-MS method. *Journal of Pharmaceutical and Biomedical Analysis*, **2010**, 52, 173-80	3.5	37
10	Comparison of LC□UV, LC□ELSD and LC□MS Methods for the Determination of Sesquiterpenoids in Various Species of Artemisia. *Chromatographia*, **2009**, 70, 797-803	2.1	10
9	Quantitative Determination of Flavonoids by Column High-Performance Liquid Chromatography with Mass Spectrometry and Ultraviolet Absorption Detection in Artemisia afra and Comparative Studies with Various Species of Artemisia Plants. *Journal of AOAC INTERNATIONAL*, **2009**, 92, 633-644	1.7	20
8	Quantitative determination of flavonoids by column high-performance liquid chromatography with mass spectrometry and ultraviolet absorption detection in Artemisia afra and comparative studies with various species of Artemisia plants. *Journal of AOAC INTERNATIONAL*, **2009**, 92, 633-44	1.7	8
7	Identification and structural characterization of steroidal glycosides in Hoodia gordonii by ion-trap tandem mass spectrometry and liquid chromatography coupled with electrospray ionization time-of-flight mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2008**, 22, 2587-96	2.2	15
6	Chemical fingerprint of Hoodia species, dietary supplements, and related genera by using HPTLC. *Journal of Separation Science*, **2008**, 31, 3959-64	3.4	19
5	Simultaneous analysis of adrenergic amines and flavonoids in citrus peel jams and fruit juices by liquid chromatography: part 2. *Journal of AOAC INTERNATIONAL*, **2007**, 90, 633-40	1.7	2
4	Chemical fingerprinting of Hoodia species and related genera: chemical analysis of oxypregnane glycosides using high-performance liquid chromatography with UV detection in Hoodia gordonii. *Journal of AOAC INTERNATIONAL*, **2007**, 90, 1526-31	1.7	6
3	Simultaneous identification and quantification of anthraquinones, polydatin, and resveratrol in Polygonum multiflorum, various Polygonum species, and dietary supplements by liquid chromatography and microscopic study of Polygonum species. *Journal of AOAC INTERNATIONAL*, **2007**, 90, 1532-8	1.7	9
2	Simultaneous quantification of adrenergic amines and flavonoids in C. aurantium, various Citrus species, and dietary supplements by liquid chromatography. *Journal of AOAC INTERNATIONAL*, **2005**, 88, 1593-606	1.7	10
1	Analysis of Crocetins and Safranal Variations in Saffron (Crocus sativus) Stigma Samples and Dietary Supplements Using HPLC/UHPLC-PDA-MS: Chemical Profiling and Chemometric Analysis Using LC-QToF. *Food Analytical Methods*,1	3.4	1