

# Rakesh Jaiswal

## List of Publications by Year in Descending Order

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**Version:** 2024-04-10

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45 papers	1,731 citations	26 h-index	41 g-index
45 ext. papers	1,945 ext. citations	4.6 avg, IF	4.86 L-index

#	Paper	IF	Citations
45	Profiling and Quantification of Regioisomeric Caffeoyl Glucoses in Berry Fruits. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 1096-1104	5.7	7
44	Energy resolved mass spectrometry of chlorogenic acids and its application to isomer quantification by direct infusion tandem mass spectrometry. <i>Phytochemical Analysis</i> , <b>2018</b> , 29, 406-412	3.4	3
43	Profiling and quantification of regioisomeric caffeoyl glucoses in Solanaceae vegetables. <i>Food Chemistry</i> , <b>2017</b> , 237, 659-666	8.5	3
42	LC-MS study of the chemical transformations of hydroxycinnamates during yerba mate (Ilex paraguariensis) tea brewing. <i>Food Research International</i> , <b>2016</b> , 90, 307-312	7	5
41	Neuraminidase inhibition of Dietary chlorogenic acids and derivatives - potential antivirals from dietary sources. <i>Food and Function</i> , <b>2016</b> , 7, 2052-9	6.1	32
40	Synthesis, Structure, and Tandem Mass Spectrometric Characterization of the Diastereomers of Quinic Acid. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 7298-306	5.7	11
39	Differentiation of prototropic ions in regioisomeric caffeoyl quinic acids by electrospray ion mobility mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2015</b> , 29, 675-80	2.2	19
38	Investigation of the photochemical changes of chlorogenic acids induced by ultraviolet light in model systems and in agricultural practice with Stevia rebaudiana cultivation as an example. <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 3338-47	5.7	21
37	The Inhibition of the Mammalian DNA Methyltransferase 3a (Dnmt3a) by Dietary Black Tea and Coffee Polyphenols <b>2015</b> , 213-231		
36	LC-MSn identification and characterization of the phenolic compounds from the fruits of Flacourtia indica (Burm. F.) Merr. and Flacourtia inermis Roxb.. <i>Food Research International</i> , <b>2014</b> , 62, 388-396	7	30
35	Identification and characterization of chlorogenic acids, chlorogenic acid glycosides and flavonoids from Lonicera henryi L. (Caprifoliaceae) leaves by LC-MSn. <i>Phytochemistry</i> , <b>2014</b> , 108, 252-63	4	78
34	Which spectroscopic technique allows the best differentiation of coffee varieties: comparing principal component analysis using data derived from CD-, NMR- and IR-spectroscopies and LC-MS in the analysis of the chlorogenic acid fraction in green coffee beans. <i>Analytical Methods</i> , <b>2014</b> , 6, 3268	3.2	13
33	Hierarchical key for the LC-MSn identification of all ten regio- and stereoisomers of caffeoylglucose. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 9252-65	5.7	30
32	Identification and characterisation of the phenolics of Ilex glabra L. Gray (Aquifoliaceae) leaves by liquid chromatography tandem mass spectrometry. <i>Phytochemistry</i> , <b>2014</b> , 106, 141-155	4	27
31	Investigation of acyl migration in mono- and dicaffeoylquinic acids under aqueous basic, aqueous acidic, and dry roasting conditions. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 9160-70	5.7	41
30	Does roasted coffee contain chlorogenic acid lactones or/and cinnamoylshikimate esters?. <i>Food Research International</i> , <b>2014</b> , 61, 214-227	7	30
29	Identification and characterization of the phenolic glycosides of Lagenaria siceraria Stand. (bottle gourd) fruit by liquid chromatography-tandem mass spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 1261-71	5.7	25

28	Identification, characterization, isolation and activity against Escherichia coli of quince (Cydonia oblonga) fruit polyphenols. <i>Food Research International</i> , <b>2014</b> , 65, 121-129	7	20
27	Identification and Characterization of Hydroxycinnamates of Six Galium Species from the Rubiaceae Family <b>2014</b> , 1-20		
26	Identification and Characterization of Trimeric Proanthocyanidins of Two Members of the Rhododendron Genus (Ericaceae) by Liquid Chromatography Multi-Stage Mass Spectrometry <b>2014</b> , 1-18		
25	Assignment of Regio- and Stereochemistry of Natural Products Using Mass Spectrometry Chlorogenic Acids and Derivatives as a Case Study. <i>Studies in Natural Products Chemistry</i> , <b>2014</b> , 42, 305-339	1.5	5
24	Identification and characterisation of phenolics from Ixora coccinea L. (Rubiaceae) by liquid chromatography multi-stage mass spectrometry. <i>Phytochemical Analysis</i> , <b>2014</b> , 25, 567-76	3.4	15
23	Identification of phenolic compounds in plum fruits (Prunus salicina L. and Prunus domestica L.) by high-performance liquid chromatography/tandem mass spectrometry and characterization of varieties by quantitative phenolic fingerprints. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 12020-31	5.7	79
22	Phenolic promiscuity in the cell nucleus--epigallocatechingallate (EGCG) and theaflavin-3,3'-digallate from green and black tea bind to model cell nuclear structures including histone proteins, double stranded DNA and telomeric quadruplex DNA. <i>Food and Function</i> , <b>2013</b> , 4, 328-37	6.1	16
21	What is under the hump? Mass spectrometry based analysis of complex mixtures in processed food--lessons from the characterisation of black tea thearubigins, coffee melanoidines and caramel. <i>Food and Function</i> , <b>2013</b> , 4, 1130-47	6.1	40
20	Investigating the chemical changes of chlorogenic acids during coffee brewing: conjugate addition of water to the olefinic moiety of chlorogenic acids and their quinides. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 12105-15	5.7	47
19	Understanding the fate of chlorogenic acids in coffee roasting using mass spectrometry based targeted and non-targeted analytical strategies. <i>Food and Function</i> , <b>2012</b> , 3, 976-84	6.1	81
18	First diastereoselective synthesis of methyl caffeoyl- and feruloyl-muco-quinates. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 5266-77	3.9	15
17	Identification and characterization of proanthocyanidins of 16 members of the Rhododendron genus (Ericaceae) by tandem LC-MS. <i>Journal of Mass Spectrometry</i> , <b>2012</b> , 47, 502-15	2.2	101
16	Analysis of Chlorogenic Acids and Other Hydroxycinnamates in Food, Plants, and Pharmacokinetic Studies <b>2012</b> , 461-510		7
15	Identification and characterization of two new derivatives of chlorogenic acids in Arnica (Arnica montana L.) flowers by high-performance liquid chromatography/tandem mass spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 4033-9	5.7	31
14	Characterization and quantification of hydroxycinnamate derivatives in Stevia rebaudiana leaves by LC-MSn. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 10143-50	5.7	65
13	Hill coefficients of dietary polyphenolic enzyme inhibitors: can beneficial health effects of dietary polyphenols be explained by allosteric enzyme denaturing?. <i>Journal of Chemical Biology</i> , <b>2011</b> , 4, 109-16		6
12	The inhibition of the mammalian DNA methyltransferase 3a (Dnmt3a) by dietary black tea and coffee polyphenols. <i>BMC Biochemistry</i> , <b>2011</b> , 12, 16	4.8	49
11	Profiling the chlorogenic acids of Rudbeckia hirta, Helianthus tuberosus, Carlina acaulis and Symphyotrichum novae-angliae leaves by LC-MS(n). <i>Phytochemical Analysis</i> , <b>2011</b> , 22, 432-41	3.4	50

10	How to identify and discriminate between the methyl quinate of chlorogenic acids by liquid chromatography-tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , <b>2011</b> , 46, 269-81	2.2	55
9	How to distinguish between cinnamoylshikimate esters and chlorogenic acid lactones by liquid chromatography-tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , <b>2011</b> , 46, 933-42	2.2	31
8	Scope and limitations of principal component analysis of high resolution LC-TOF-MS data: the analysis of the fraction in green coffee beans as a case study. <i>Analytical Methods</i> , <b>2011</b> , 3, 144-155	3.2	37
7	Identification and characterization of five new classes of chlorogenic acids in burdock ( <i>Arctium lappa</i> L.) roots by liquid chromatography/tandem mass spectrometry. <i>Food and Function</i> , <b>2011</b> , 2, 63-71	6.1	53
6	Determination of the hydroxycinnamate profile of 12 members of the Asteraceae family. <i>Phytochemistry</i> , <b>2011</b> , 72, 781-90	4	110
5	Profile and characterization of the chlorogenic acids in green Robusta coffee beans by LC-MS(n): identification of seven new classes of compounds. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 8722-37	5.7	126
4	Profiling and characterization by LC-MSn of the chlorogenic acids and hydroxycinnamoylshikimate esters in maté ( <i>Ilex paraguariensis</i> ). <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 5471-84	5.7	168
3	How to distinguish between feruloyl quinic acids and isoferuloyl quinic acids by liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2010</b> , 24, 1575-82	2.2	51
2	Hierarchical scheme for liquid chromatography/multi-stage spectrometric identification of 3,4,5-triacyl chlorogenic acids in green Robusta coffee beans. <i>Rapid Communications in Mass Spectrometry</i> , <b>2010</b> , 24, 2283-94	2.2	58
1	Profiling and characterisation by liquid chromatography/multi-stage mass spectrometry of the chlorogenic acids in Gardeniae Fructus. <i>Rapid Communications in Mass Spectrometry</i> , <b>2010</b> , 24, 3109-20	2.2	40