

Trace elements in cocoa solids and chocolate: An ICPMS

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Mango Butter Emulsion Gels as Cocoa Butter Equivalents: Physical, Thermal, and Mechanical Analyses. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 11357-11368.	2.4	30
2	Magnetite-doped eggshell membrane as a magnetic sorbent for extraction of aluminum(III) ions prior to their fluorometric determination. <i>Mikrochimica Acta</i> , 2014, 181, 1797-1805.	2.5	14
3	Cadmium and Lead in Chocolates Commercialized in Brazil. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 8759-8763.	2.4	56
4	Concentration of cadmium in cacao beans and its relationship with soil cadmium in southern Ecuador. <i>Science of the Total Environment</i> , 2015, 533, 205-214.	3.9	135
5	A novel, rapid and simple acid extraction for multielemental determination in chocolate bars. <i>Microchemical Journal</i> , 2015, 121, 199-204.	2.3	24
6	Nutritional Evaluation of the Mineral Composition of Chocolate Bars: Total Contents vs. Bioaccessible Fractions. <i>Journal of Food Processing & Technology</i> , 2016, 07, .	0.2	0
7	Evaluation of soil amendments as a remediation alternative for cadmium-contaminated soils under cacao plantations. <i>Environmental Science and Pollution Research</i> , 2016, 23, 17571-17580.	2.7	24
8	Differentiation of cocoa nibs from distinct origins using comprehensive two-dimensional gas chromatography and multivariate analysis. <i>Food Research International</i> , 2016, 90, 133-138.	2.9	29
9	Multielemental fingerprinting and geographic traceability of <i>Theobroma cacao</i> beans and cocoa products. <i>Food Control</i> , 2016, 65, 46-53.	2.8	113
10	Aluminium, nickel, cadmium and lead in candy products and assessment of daily intake by children in Spain. <i>Food Additives and Contaminants: Part B Surveillance</i> , 2016, 9, 66-71.	1.3	7
11	The synergic effect of microwave and ultraviolet radiation for chocolate digestion and further determination of As, Cd, Ni and Pb by ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 523-530.	1.6	30
12	Cadmium bioaccumulation and gastric bioaccessibility in cacao: A field study in areas impacted by oil activities in Ecuador. <i>Environmental Pollution</i> , 2017, 229, 950-963.	3.7	68
13	Impact of soils and cropping systems on mineral composition of dry cacao beans. <i>Journal of Soil Science and Plant Nutrition</i> , 2017, , 0-0.	1.7	9
14	Cadmium voltametric quantification in table chocolate produced in Chiquinquirá-Boyacá, Colombia. <i>Acta Agronomica</i> , 2017, 66, .	0.0	3
15	Heavy metal concentrations in cocoa beans (<i>Theobroma cacao</i> L.) originating from East Luwu, South Sulawesi, Indonesia. <i>Journal of Physics: Conference Series</i> , 2018, 979, 012011.	0.3	12
16	Cadmium and lead in cocoa powder and chocolate products in the US Market. <i>Food Additives and Contaminants: Part B Surveillance</i> , 2018, 11, 92-102.	1.3	39
17	Multielemental quantification in dark chocolate by ICP OES. <i>Journal of Food Composition and Analysis</i> , 2018, 67, 163-171.	1.9	29
18	Bioimaging of the elemental distribution in cocoa beans by means of LA-ICP-TQMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 187-194.	1.6	15

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19	Elemental fingerprint profiling with multivariate data analysis to classify organic chocolate samples. <i>Journal of Chemometrics</i> , 2018, 32, e3036.	0.7	10
20	Dietary intake of cadmium, chromium, copper, manganese, selenium and zinc in a Northern Italy community. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 50, 508-517.	1.5	117
21	Method optimization for heavy metal determination in milk powder: application to milk samples from Greece. <i>Environmental Science and Pollution Research</i> , 2018, 25, 26766-26779.	2.7	11
22	Nickel, cadmium and lead levels in raw cocoa and processed chocolate mass materials from three different manufacturers. <i>Journal of Food Composition and Analysis</i> , 2018, 66, 127-135.	1.9	49
23	Toxic metal levels in cocoa powder and chocolate by ICP-MS method after microwave-assisted digestion. <i>Food Chemistry</i> , 2018, 245, 1163-1168.	4.2	70
24	Analysis of metal ion impurity in tetraethyl orthosilicate by sector field inductively coupled plasma mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018, 149, 243-248.	1.5	2
25	Physiological, ultrastructural, biochemical and molecular responses of young cocoa plants to the toxicity of Cr (III) in soil. <i>Ecotoxicology and Environmental Safety</i> , 2018, 159, 272-283.	2.9	33
26	Manganese levels in infant formula and young child nutritional beverages in the United States and France: Comparison to breast milk and regulations. <i>PLoS ONE</i> , 2019, 14, e0223636.	1.1	29
27	The elemental composition of chocolates is related to cacao content and origin: A multi-element fingerprinting analysis of single origin chocolates. <i>Journal of Food Composition and Analysis</i> , 2019, 83, 103277.	1.9	42
28	Dietary exposure assessment of aluminium and cadmium from cocoa in relation to cocoa origin. <i>PLoS ONE</i> , 2019, 14, e0217990.	1.1	6
29	Exposures and risks of arsenic, cadmium, lead, and mercury in cocoa beans and cocoa-based foods: a systematic review. <i>Food Quality and Safety</i> , 2019, 3, 1-8.	0.6	15
30	Vortex assisted-ionic liquid based dispersive liquid liquid microextraction of low levels of nickel and cobalt in chocolate-based samples and their determination by FAAS. <i>Microchemical Journal</i> , 2019, 147, 277-285.	2.3	45
31	Direct determination by portable ED-XRF of mineral profile in cocoa powder samples. <i>Food Chemistry</i> , 2019, 278, 373-379.	4.2	25
32	The impact of fermentation on the distribution of cadmium in cacao beans. <i>Food Research International</i> , 2020, 127, 108743.	2.9	23
33	Direct Analysis of Cocoa Powder, Chocolate Powder, and Powdered Chocolate Drink for Multi-element Determination by Energy Dispersive X-ray Fluorescence Spectrometry. <i>Food Analytical Methods</i> , 2020, 13, 195-202.	1.3	9
34	Method validation and determination of heavy metals in cocoa beans and cocoa products by microwave assisted digestion technique with inductively coupled plasma mass spectrometry. <i>Food Chemistry</i> , 2020, 303, 125392.	4.2	54
35	Multi-elemental concentration in different body parts of <i>Sepiella inermis</i> by inductively coupled plasma mass spectrometry. <i>Environmental Science and Pollution Research</i> , 2020, 27, 2797-2804.	2.7	4
36	Essential and non-essential/toxic trace elements in whey protein supplements. <i>Journal of Food Composition and Analysis</i> , 2020, 86, 103383.	1.9	6

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37	Mitigation of cadmium toxicity by zinc in juvenile cacao: Physiological, biochemical, molecular and micromorphological responses. <i>Environmental and Experimental Botany</i> , 2020, 179, 104201.	2.0	18
38	Sniffing out cocoa bean traits that persist in chocolates by PTR-MS, ICP-MS and IR-MS. <i>Food Research International</i> , 2020, 133, 109212.	2.9	10
39	Direct Determination of Ca, K, and Mg in Cocoa Beans by Laser-Induced Breakdown Spectroscopy (LIBS): Evaluation of Three Univariate Calibration Strategies for Matrix Matching. <i>Food Analytical Methods</i> , 2020, 13, 1017-1026.	1.3	16
40	Cocoa-laden cadmium threatens human health and cacao economy: A critical view. <i>Science of the Total Environment</i> , 2020, 720, 137645.	3.9	56
41	Perspective on Cadmium and Lead in Cocoa and Chocolate. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 13008-13015.	2.4	14
42	Cd and Pb in cocoa beans: Occurrence and effects of chocolate processing. <i>Food Control</i> , 2021, 119, 107455.	2.8	11
43	Plant metal concentrations in <i>Theobroma cacao</i> as affected by soil metal availability in different soil types. <i>Chemosphere</i> , 2021, 262, 127749.	4.2	14
44	Simultaneous determination of cadmium, lead and copper in chocolate samples by square wave anodic stripping voltammetry. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2021, 38, 418-426.	1.1	8
45	Health Benefit: Risk Assessment of Trace and Essential Elements Found in Cocoa Beans and Derived Products. <i>Chemistry Africa</i> , 2021, 4, 299.	1.2	2
46	Synthesis and performance of cross-linked poly(vinylpyridine-co-protoporphyrin) for effective cobalt determination using a micro-packed column hyphenated system coupled to FAAS. <i>Reactive and Functional Polymers</i> , 2021, 164, 104934.	2.0	5
47	Multi-element determination in chocolate bars by microwave-induced plasma optical emission spectrometry. <i>Food Chemistry</i> , 2021, 351, 129285.	4.2	9
48	Mitigating the level of cadmium in cacao products: Reviewing the transfer of cadmium from soil to chocolate bar. <i>Science of the Total Environment</i> , 2021, 781, 146779.	3.9	43
49	A New Method for Determination of Mg, Ca, Zn, and Na in Cocoa Butter by FAAS Employing Extraction Induced by Emulsion Breaking and Multivariate Optimization. <i>Food Analytical Methods</i> , 2022, 15, 458-467.	1.3	4
50	Beyond cadmium accumulation: Distribution of other trace elements in soils and cacao beans in Ecuador. <i>Environmental Research</i> , 2021, 192, 110241.	3.7	10
51	Toxic Trace Element Contents in Gluten-free Cereal Bars Marketed in Argentina. <i>International Journal of Celiac Disease</i> , 2016, 3, 12-16.	0.1	4
52	Surveillance of Cadmium Concentration in Chocolate and Cocoa Powder Products Distributed in Japan. <i>Shokuhin Eiseigaku Zasshi Journal of the Food Hygienic Society of Japan</i> , 2018, 59, 269-274.	0.1	4
53	Zanieczyszczenie czekolad zwiÄ...zkami kadmu na polskim rynku. <i>PrzemysÅ•SpoÅ•ywczy</i> , 2017, 1, 34, 36-39.	0.1	0
54	Investigation of chocolate types on the content of selected metals and non-metals determined by ICP-OES analytical technique. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2021, 38, 293-303.	1.1	12

