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A comparative study on phenolic profiles and antioxidant activities of legumes as affected by extraction solvents

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#	Paper	IF	Citations
664	Comparative studies on the antioxidant activities of nine common food legumes against copper-induced human low-density lipoprotein oxidation in vitro. <i>Journal of Food Science</i> , <b>2007</b> , 72, S52	.2 <sup>3</sup> 7 <sup>4</sup>	49
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511	Invitro assessment of cytotoxic, antioxidant and antimicrobial activities of leaves from two grape varieties collected from arid and temperate regions in Palestine. <b>2015</b> , 2015,	3
510	Effect of Processing on Phenolic Content and Antioxidant Activity of Four Commonly Consumed Pulses in China. <b>2015</b> , 02,	2
509	Bacterial bioeffectors delay postharvest fungal growth and modify total phenolics, flavonoids and anthocyanins in blackberries. <b>2015</b> , 61, 437-443	13
508	Chemico-physical and nutritional properties of traditional legumes (lentil, Lens culinaris L., and grass pea, Lathyrus sativus L.) from organic agriculture: an explorative study. <b>2015</b> , 5, 179-187	15
507	Interrelations between herbage yield, £ocopherol, £arotene, lutein, protein, and fiber in non-leguminous forbs, forage legumes, and a grass-clover mixture as affected by harvest date. <b>2015</b> , 63, 406-14	14
506	Effect of in vitro digestion on bioactive compounds and antioxidant activity of common bean seed coats. <i>Food Research International</i> , <b>2015</b> , 76, 74-78	42
505	Chemical modification of tannins to elaborate aromatic biobased macromolecular architectures. <b>2015</b> , 17, 2626-2646	178
504	Distribution of phenolic compounds in seed coat and cotyledon, and their contribution to antioxidant capacities of red and black seed coat peanuts (Arachis hypogaea L.). <b>2015</b> , 67, 448-456	48

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503	Inhibitory Effects of Phenolics and Saponins From Commonly Consumed Food Legumes in China Against Digestive Enzymes Pancreatic Lipase and Eglycosidase. <i>International Journal of Food Properties</i> , <b>2015</b> , 18, 2246-2255	3	11
502	Solvent effects on phenolic content, composition, and antioxidant activity of extracts from florets of sunflower (Helianthus annuus L.). <b>2015</b> , 76, 574-581		40
501	Synthesis, characterization, and controlled release of selenium nanoparticles stabilized by chitosan of different molecular weights. <b>2015</b> , 134, 158-66		96
500	Profiles of phenolics, carotenoids and antioxidative capacities of thermal processed white, yellow, orange and purple sweet potatoes grown in Guilin, China. <i>Food Science and Human Wellness</i> , <b>2015</b> , 4, 123-132	8.3	65
499	Ethanol extract of mango (Mangifera indica L.) peel inhibits hamylase and halucosidase activities, and ameliorates diabetes related biochemical parameters in streptozotocin (STZ)-induced diabetic rats. <b>2015</b> , 52, 7883-93		40
498	Phenolics of selected lentil cultivars: Antioxidant activities and inhibition of low-density lipoprotein and DNA damage. <b>2015</b> , 18, 1022-1038		85
497	Superfine grinding improves functional properties and antioxidant capacities of bran dietary fibre from Qingke (hull-less barley) grown in Qinghai-Tibet Plateau, China. <b>2015</b> , 65, 43-47		86
496	Total phenolics, flavonoids, tannins and antioxidant activity of lima beans conserved in a Brazilian Genebank. <b>2015</b> , 45, 335-341		11
495	Antioxidant's cytoprotective effects on rotator cuff tenofibroblasts exposed to aminoamide local anesthetics. <b>2015</b> , 33, 1001-7		7
494	Assessment of antibacterial and antioxidant properties of chitosan edible films incorporated with maqui berry (Aristotelia chilensis). <b>2015</b> , 64, 1057-1062		139
493	Valorization of Pomace Powder Obtained from Native Mexican Apple (Malus domestica var. rayada): Chemical, Techno-functional and Antioxidant Properties. <b>2015</b> , 70, 310-6		20
492	Phenolics and polyphenolics in foods, beverages and spices: Antioxidant activity and health effects IA review. <b>2015</b> , 18, 820-897		1341
491	Macronutrients, Phytochemicals, and Antioxidant Activity of Soybean Sprout Germinated with or without Light Exposure. <i>Journal of Food Science</i> , <b>2015</b> , 80, S1391-8	3.4	32
490	Lipase-Catalyzed Production of 6-O-cinnamoyl-sorbitol from D-sorbitol and Cinnamic Acid Esters. <b>2015</b> , 176, 244-52		6
489	Effects of sprouting and postharvest storage under cool temperature conditions on starch content and antioxidant capacity of green pea, lentil and young mung bean sprouts. <b>2015</b> , 185, 99-105		33
488	Impact of Elicitation on Antioxidant and Potential Antihypertensive Properties of Lentil Sprouts. <b>2015</b> , 70, 401-7		20
487	Innovative formulation of fermented food (dhokla) and its characterization on storage property. <b>2015</b> , 9, 508-516		
486	Nutritional Value. <b>2015</b> , 291-325		15

485	Effect of Various Extracted Solvent on DPPH Radical Scavenging Activity of Natural Rubber. <b>2015</b> , 659, 388-393	
484	A systematic, comparative study on the beneficial health components and antioxidant activities of commercially fermented soy products marketed in China. <b>2015</b> , 174, 202-13	71
483	Achievements and Challenges in Improving the Nutritional Quality of Food Legumes. 2015, 34, 105-143	128
482	ChickpeasEomposition, nutritional value, health benefits, application to bread and snacks: a review. <b>2015</b> , 55, 1137-45	100
481	Quality traits analysis and protein profiling of field pea (Pisum sativum) germplasm from Himalayan region. <b>2015</b> , 172, 528-36	8
480	Biochemical characterization and pharmacognostic evaluation of purified catechins in green tea (Camellia sinensis) cultivars of India. <b>2015</b> , 5, 285-294	15
479	Grain Legume Consumption Inhibits Colorectal Tumorigenesis: A Meta-Analysis of Human and Animal Studies. <b>2016</b> ,	
478	Comparison of the Chemical Profiles and Antioxidant and Antidiabetic Activities of Extracts from Two Ganoderma Species (Agaricomycetes). <b>2016</b> , 18, 609-20	7
477	PHYTOCHEMICAL CONTENT AND ANTIOXIDANT ACTIVITIES IN DIFFERENT ORGANS OF POMELO (CITRUS MAXIMA [BURM.] MERR.) USING 2,2-DIPHENYL-1-PICRYLHYDRAZYL AND PHOSPHOMOLYBDENUM ASSAYS. <b>2016</b> , 185	5
476	Roles of conjugated double bonds in electron-donating capacity of sorghum grains. <b>2016</b> , 11, 2146-2156	
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474	A Comprehensive Approach to Antioxidant Activity in the Seeds of Wild Legume Species of Tribe Fabeae. <b>2016</b> , 2016, 1-6	
473	Phytochemical Evaluation of Moth Bean (Vigna aconitifolia L.) Seeds and Their Divergence. <b>2016</b> , 2016, 3136043	15
472	Bioactive compounds and antioxidant activity of mung bean (Vigna radiata L.), soybean (Glycine max L.) and black bean (Phaseolus vulgaris L.) during the germination process. <i>Czech Journal of Food Sciences</i> , <b>2016</b> , 34, 68-78	29
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470	Innovative Soaking and Grinding Methods and Cooking Affect the Retention of Isoflavones, Antioxidant and Antiproliferative Properties in Soymilk Prepared from Black Soybean. <i>Journal of Food Science</i> , <b>2016</b> , 81, H1016-23	12
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466	Protein and quality analyses of accessions from the USDA soybean germplasm collection for tofu production. <b>2016</b> , 213, 31-39	19
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462	Antioxidant phenolics and their microbial production by submerged and solid state fermentation process: A review. <b>2016</b> , 53, 60-74	149
461	Antioxidant property and their free, soluble conjugate and insoluble-bound phenolic contents in selected beans. <b>2016</b> , 24, 359-372	58
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459	The influence of light-emitting diodes on the phenolic compounds and antioxidant activities in pea sprouts. <b>2016</b> , 25, 459-465	48
458	Comparison of Composition, Protein, Pasting, and Phenolic Compounds of Brown Rice and Germinated Brown Rice from Different Cultivars. <b>2016</b> , 93, 584-592	29
457	Extraction and determination of total polyphenols and antioxidant capacity of red coffee (Coffea arabica L.) pulp of wet processing plants. <b>2016</b> , 3,	27
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439	Comparison of hmylase, lglucosidase and lipase inhibitory activity of the phenolic substances in two black legumes of different genera. <b>2017</b> , 214, 259-268		168
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412	Comparison of phenolic compounds, antioxidant and antidiabetic activities between selected edible beans and their different growth periods leaves. <b>2017</b> , 35, 694-702		23
411	Chemical composition and physicochemical properties of Phaeodactylum tricornutum microalgal residual biomass. <b>2017</b> , 23, 681-689		10
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377	Pulse seed germination improves antioxidative activity of phenolic compounds in stripped soybean oil-in-water emulsions. <b>2018</b> , 250, 140-147	18
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368	Anti-scorpion venom activity of Thapsia garganica methanolic extract: Histopathological and biochemical evidences. <b>2018</b> , 211, 340-347	7
367	Antioxidant and hepatoprotective effects of Asparagus albus leaves in carbon tetrachloride-induced liver injury rats. <b>2018</b> , 42, e12433	5
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357	Kaolin particle film modulates morphological, physiological and biochemical olive tree responses to drought and rewatering. <b>2018</b> , 133, 29-39		22
356	Effect of Parboiling on Phenolic, Protein, and Pasting Properties of Rice from Different Paddy Varieties. <i>Journal of Food Science</i> , <b>2018</b> , 83, 2761-2771	3.4	15
355	Antifungal stilbene impregnation: transport and distribution on the micron-level. <b>2018</b> , 38, 1526-1537		16
354	Antioxidant and Phytochemical Studies of 31 Cowpeas ( (Walp L)) Genotypes from Burkina. <i>Foods</i> , <b>2018</b> , 7,	4.9	15
353	Candidatus Phytoplasma trifolii (16SrVI) infection modifies the polyphenols concentration in pepper (Capsicum annuum) plant tissues. <b>2018</b> , 166, 555-564		3
352	Extraction of polyphenolic antioxidants from orange peel waste using deep eutectic solvents. <b>2018</b> , 206, 1-13		178
351	New Trends in Food Technology for Green Recovery of Bioactive Compounds From Plant Materials. <b>2018</b> , 1-36		2
350	Effects of different extraction methods on total phenolic content and antioxidant activity in soybean cultivars. <b>2018</b> , 102, 012039		2
349	Let food be thy medicine and medicine be thy food: A bibliometric analysis of the most cited papers focusing on nutraceuticals and functional foods. <b>2018</b> , 269, 455-465		38
348	Effect of Processing on Antioxidant Activity, Total Phenols, and Total Flavonoids of Pigmented Heirloom Beans. <i>Journal of Food Quality</i> , <b>2018</b> , 2018, 1-6	2.7	10
347	Physiological responses of date palm (Phoenix dactylifera) seedlings to acute ozone exposure at high temperature. <b>2018</b> , 242, 905-913		16
346	Optimal design and control of Eastman organic wastewater treatment process. <b>2018</b> , 198, 333-350		19
345	Total phenolics and antioxidants profiles of commonly consumed edible flowers in China. <i>International Journal of Food Properties</i> , <b>2018</b> , 21, 1524-1540	3	44
344	Composition, Distribution, and Antioxidant Activity of Phenolic Compounds in 18 Soybean Cultivars. <b>2018</b> , 101, 520-528		5
343	Radiomodulatory effects of Aloe vera on hepatic and renal tissues of X-ray irradiated mice. <b>2018</b> , 811, 1-15		7
342	Entomochemicals fromPterophylla beltraniBolivar and Bolivar: Antioxidants and Other Metabolites. <b>2018</b> , 43, 369-381		5

341	Variation in composition, protein and pasting characteristics of different pigmented and non pigmented rice (L.) grown in Indian Himalayan region. <b>2018</b> , 55, 3809-3820		13
340	Antiproliferative and Antioxidant Activities of Two Extracts of the Plant Species L. <b>2018</b> , 5,		4
339	Effect of solvents on polyphenol recovery and antioxidant activity of isolates of Asparagus Officinalis roots from Chinese and New Zealand cultivars. <b>2018</b> , 53, 2369-2377		6
338	Comparison of antioxidants potential, metabolites, and nutritional profiles of Korean fermented soybean () with KCTC 13241. <b>2018</b> , 55, 2871-2880		15
337	High hydrostatic pressure treatment for manufacturing of red bean powder: A comparison with the thermal treatment. <b>2018</b> , 238, 141-147		31
336	The phenolic profile of pea (Pisum sativum): a phytochemical and pharmacological overview. <b>2019</b> , 18, 173-198		12
335	The Effect of Concentration of Methanol as a Solvent on the Antioxidative Activity of Sage Extract. <b>2019</b> , 480-490		2
334	Validation of coffee by-products as novel food ingredients. <b>2019</b> , 51, 194-204		68
333	Characteristics of flavonol glycosides in bean (Phaseolus vulgaris L.) seed coats. <b>2019</b> , 272, 26-32		24
332	Exploitation of sourdough lactic acid bacteria to reduce raffinose family oligosaccharides (RFOs) content in breads enriched with chickpea flour. <b>2019</b> , 245, 2353-2363		10
331	Studies on antivenom activity of Lactuca serriola methanolic extract against Buthus atlantis scorpion venom by in vivo methods. <b>2019</b> , 125, 270-279		3
330	Cooked Red Lentils Dose-Dependently Modulate the Colonic Microenvironment in Healthy C57Bl/6 Male Mice. <b>2019</b> , 11,		6
329	The Effect of Black Soybean Tempe Extract on the Increase of Proliferation Stimulation Index (PTI), Protein Tyrosine Kinase Enzyme Activity and Proliferating Cell Nuclear Antigen of Human Lymphocytes. <b>2019</b> , 292, 012040		
328	Polyphenols and the glycaemic index of legume pasta. <b>2019</b> , 10, 5931-5938		18
327	Effects of ripening stage on the content and antioxidant capacities of phenolic compounds of arils, seeds and husks of ackee fruit Blighia sapida Kanig. <b>2019</b> , 256, 108632		1
326	Characterization of Soaking Process' Impact in Common Beans Phenolic Composition: Contribute from the Unexplored Portuguese Germplasm. <i>Foods</i> , <b>2019</b> , 8,	4.9	11
325	Nutraceutical Properties of Legume Seeds and Their Impact on Human Health. 2019,		8
324	Response surface methodology to optimise the heat-assisted aqueous extraction of phenolic compounds from coffee parchment and their comprehensive analysis. <b>2019</b> , 10, 4739-4750		20

323	, Rosmarinic and Caffeic Acids Attenuate Neuropathic Pain and Improve Function Recovery after Sciatic Nerve Chronic Constriction in Mice. <b>2019</b> , 2019, 1702378	5
322	Environment Friendly Synthesis of N'-(1,3-Diphenylallylidene)-1-ethyl-7-methyl-4-oxo-1,4-dihydro-1,8-naphthyridine-3-carbohydrazides: Crystal Structure and Their Anti-oxidant Potential. <b>2019</b> , 67, 1191-1200	2
321	Improving the Health Benefits of Snap Bean: Genome-Wide Association Studies of Total Phenolic Content. <b>2019</b> , 11,	13
320	Vapour pressure deficit: The hidden driver behind plant morphofunctional traits in controlled environments. <b>2019</b> , 175, 313-325	23
319	Bioactive phenolic compounds, metabolism and properties: a review on valuable chemical compounds in Scots pine and Norway spruce. <b>2019</b> , 18, 623-664	67
318	Pulses and food security: Dietary protein, digestibility, bioactive and functional properties. <b>2019</b> , 93, 53-68	84
317	Antioxidant activity and proximate composition of stir-fried fermented gude beans (Cajanus cajan). <b>2019</b> ,	
316	Enzymatic treatment improves the antioxidant and antiproliferative activities of Adenanthera pavonina L. seeds. <b>2019</b> , 18, 101002	6
315	Cyanidin and cyanidin-3-glucoside derived from Vigna unguiculata act as noncompetitive inhibitors of pancreatic lipase. <b>2019</b> , 43, e12774	10
314	Stability of the physical properties, bioactive compounds and antioxidant capacity of spray-dried grapefruit powder. <b>2019</b> , 28, 74-82	6
313	Optimized extraction for active compounds in Glossogyne tenuifolia using response surface methodology. <b>2019</b> , 13, 663-676	2
312	Chemical composition of the seed and thilklight three common bean (Phaseolus vulgaris L) varieties. <b>2019</b> , 13, 1242-1249	5
311	Modification of wheat bran insoluble dietary fiber with carboxymethylation, complex enzymatic hydrolysis and ultrafine comminution. <b>2019</b> , 297, 124983	38
310	Salicylic acid increases drought adaptability of young olive trees by changes on redox status and ionome. <b>2019</b> , 141, 315-324	12
309	Assessment of nutritional and phytochemical quality of Dawadawa (an African fermented condiment) produced from Bambara groundnut (Vigna subterranea). <b>2019</b> , 149, 104034	29
308	Purple pigment from heartwood as a potential colorant for food. <b>2019</b> , 56, 3225-3238	1
307	The nutraceutical value of grain legumes: characterisation of bioactives and antinutritionals related to diabesity management. <b>2019</b> , 54, 2863-2871	10
306	Is Chickpea a Potential Substitute for Soybean? Phenolic Bioactives and Potential Health Benefits. <b>2019</b> , 20,	37

305	Alteration of phenolic profiles and antioxidant capacities of common buckwheat and tartary buckwheat produced in China upon thermal processing. <i>Journal of the Science of Food and Agriculture</i> , <b>2019</b> , 99, 5565-5576	25
304	American Civil War plant medicines inhibit growth, biofilm formation, and quorum sensing by multidrug-resistant bacteria. <b>2019</b> , 9, 7692	18
303	Nutritional and bioactive characteristics of Ayocote bean (Phaseolus coccienus L.): An underutilized legume harvested in Mexico. <b>2019</b> , 17, 199-206	10
302	Common bean seeds from plants subjected to severe drought, restricted- and full-irrigation regimes show differential phytochemical fingerprint. <b>2019</b> , 294, 368-377	9
301	Enhanced Antioxidant Activity in Mung Bean Seedlings Grown under Slow Clinorotation. <b>2019</b> , 31, 395-401	4
300	Potential Health Promoting Properties of Isoflavones, Saponins, Proanthocyanidins, and Other Phytonutrients in Pulses. <b>2019</b> , 109-127	1
299	Health Benefits of Pulses. <b>2019</b> ,	0
298	Effect of different extraction solvents on phenolic compounds and antioxidant capacity of hop flowers (Humulus lupulus L.). <b>2019</b> , 1-6	3
297	Influence of Ultrasonic Pretreatment with Hot Air Drying on Nutritional Quality and Structural Related Changes in Dried Sweet Potatoes. <b>2019</b> , 15,	9
296	Ozone and Wounding Stresses Differently Alter the Temporal Variation in Formylated Phloroglucinols in Leaves. <b>2019</b> , 9,	8
295	Polyphenols and Alkaloids in Byproducts of Longan Fruits (Lour.) and Their Bioactivities. <i>Molecules</i> , 4.8	29
294	Extraction of bioactive compounds from mango ( $L$ ) seed kernel with ethanol-water binary solvent systems. <b>2019</b> , 56, 2536-2544	17
293	Effect of infrared drying with multifrequency ultrasound pretreatments on the stability of phytochemical properties, antioxidant potential, and textural quality of dried sweet potatoes. <b>2019</b> , 43, e12809	19
292	A paper-based device for simultaneous determination of antioxidant activity and total phenolic content in food samples. <b>2019</b> , 198, 542-549	27
291	Antioxidant properties and sensory attributes of blends prepared from standardized milk and soy milk. <b>2019</b> , 50, 679-693	O
<b>2</b> 90	Antioxidant and anti-Salmonella activities of eggplant peel compounds obtained by solvent-free calcium-based extraction. <b>2019</b> , 17, 873-881	2
289	Optimization of the Steam Explosion Pretreatment Effect on Total Flavonoids Content and Antioxidative Activity of Seabuckthom Pomace by Response Surface Methodology. <i>Molecules</i> , <b>2018</b> 4.8 , 24,	2
288	Bioactive compounds and antioxidant activity of seventeen Moroccan date varieties and clones (Phoenix dactylifera L.). <b>2019</b> , 121, 402-409	9

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287	Crocus sativus restores dopaminergic and noradrenergic damages induced by lead in Meriones shawi: A possible link with Parkinson's disease. <b>2019</b> , 121, 171-181	17
286	UPLC-MS metabolome based classification of Lupinus and Lens seeds: A prospect for phyto-equivalency of its different accessions. <i>Food Research International</i> , <b>2019</b> , 115, 379-392	22
285	Effect of simulated gastrointestinal digestion in vitro on the antioxidant activity, molecular weight and microstructure of polysaccharides from a tropical sea cucumber (Holothuria leucospilota). <b>2019</b> , 89, 735-741	38
284	The investigation of bioactive compounds of wine, grape juice and boiled grape juice wastes. <b>2019</b> , 43, e13850	16
283	Kaolin and salicylic acid alleviate summer stress in rainfed olive orchards by modulation of distinct physiological and biochemical responses. <b>2019</b> , 246, 201-211	21
282	Effect of plasma-activated water on microbial quality and physicochemical characteristics of mung bean sprouts. <b>2019</b> , 52, 49-56	81
281	Heat pump drying of grape pomace: Performance and product quality analysis. 2019, 37, 1766-1779	20
280	Comparative studies on ACE inhibition, degree of hydrolysis, antioxidant property and phenolic acid composition of hydrolysates derived from simulated in vitro gastrointestinal proteolysis of three thermally treated legumes. <b>2019</b> , 281, 154-162	8
279	Reduction of off-flavours and the impact on the functionalities of lentil protein isolate by acetone, ethanol, and isopropanol treatments. <b>2019</b> , 277, 84-95	18
278	Nutritional and pro-health quality of lentil and adzuki bean sprouts enriched with probiotic yeast Saccharomyces cerevisiae var. boulardii. <b>2019</b> , 100, 220-226	12
277	Antioxidant activities, polyphenol, flavonoid, and amino acid contents in peanut shell. <b>2019</b> , 18, 437-442	34
276	Extraction, characterization and biological activity of citrus flavonoids. <b>2019</b> , 35, 265-284	49
275	Chemical composition, UV/vis absorptivity, and antioxidant activity of essential oils from bark and leaf of zhennan S. K. Lee & F. N. Wei. <b>2020</b> , 34, 876-879	2
274	Phenolic compounds in germinated cereal and pulse seeds: Classification, transformation, and metabolic process. <b>2020</b> , 60, 740-759	24
273	Comparative analysis of metabolites in contrasting chickpea cultivars. <b>2020</b> , 29, 253-265	3
272	Plant antioxidants, extraction strategies, and their application in meat. <b>2020</b> , 241-264	2
271	Optimizing the extraction of protein from Prosopis cineraria seeds using response surface methodology and characterization of seed protein concentrate. <b>2020</b> , 117, 108630	7
270	Impact of sprouting and cooking on antioxidant compounds and activity in different Italian varieties of Lens culinaris L <b>2020</b> , 14, 333-342	

269	Consumption of rich/enrich phytonutrients food and their relationship with health status of population. <b>2020</b> , 67-101		3
268	Statistical Optimization of Terminalia chebula Fruit Extraction for Improved Antibacterial Activity Against Odour-Causing Bacteria. <b>2020</b> , 90, 365-374		
267	Effects of UV-C treatment and ultrafine-grinding on the biotransformation of ergosterol to vitamin D, physiochemical properties, and antioxidant properties of shiitake and Jew's ear. <b>2020</b> , 309, 125738		14
266	Nutritional and functional properties of durum wheat bran protein concentrate. <b>2020</b> , 97, 304-315		11
265	Genotypic variation for phenolic compounds in developing and whole seeds, and storage conditions influence visual seed quality of yellow dry bean genotypes. <b>2020</b> , 100, 284-295		1
264	Comparative assessment regarding antioxidative and nutrition potential of leaves by bacterial fermentation. <b>2020</b> , 57, 1110-1118		3
263	Enhanced nutritional value of chickpea protein concentrate by dry separation and solid state fermentation. <b>2020</b> , 59, 102269		35
262	Isolation and characterization of indigenous Weissella confusa for in situ bacterial exopolysaccharides (EPS) production in chickpea sourdough. <i>Food Research International</i> , <b>2020</b> , 138, 109785	7	14
261	Green argan oil extraction from roasted and unroasted seeds by using various polarity solvents allowed by the EU legislation. <b>2020</b> , 276, 123081		5
260	Phytochemical profiles and antioxidant capacity of improved cowpea varieties and landraces grown in Ethiopia. <b>2020</b> , 37, 100732		
259	The effects of preparation and cooking processes on vitamins and antioxidant capacity of sour and spicy potato silk. <b>2020</b> , 55, 3475-3483		2
258	A solvent-free delipidation method for functional validation of lipases. <b>2020</b> , 10, 343		3
257	Influence of an Orange Product Composition on the Characteristics of the Obtained Freeze-dried Cake and Powder as Related to Their Consumption Pattern. <b>2020</b> , 13, 1368-1379		6
256	Effects of solid-state fermentation and extraction solvents on the antioxidant properties of lentils. <b>2020</b> , 28, 101753		5
255	Bioactive Compounds of Legume Seeds. <b>2020</b> , 1-21		0
254	Bioactive Compounds, Antioxidant Activity, and Antinutritional Content of Legumes: A Comparison between Four Species. <i>Molecules</i> , <b>2020</b> , 25,	4.8	13
253	The value of bioactive compounds of cruciferous vegetables (Brassica) as antimicrobials and antioxidants: A review. <b>2020</b> , 44, e13414		28
252	Nutritional Content and Antioxidant Capacity of the Seed and the Epicarp in Different Ecotypes of Desf. Subsp <i>Plants</i> , <b>2020</b> , 9,	4.5	4

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251	Fruiting-body-base flour from an Oyster mushroom waste in the development of antioxidative chicken patty. <i>Journal of Food Science</i> , <b>2020</b> , 85, 3124-3133	3.4	11
250	Sustainable Agriculture Reviews 45. <b>2020</b> ,		О
249	Characterization of Beet Root Extract () Encapsulated with Maltodextrin and Inulin. <i>Molecules</i> , <b>2020</b> , 25,	4.8	10
248	Influence of pomegranate seed extract on the formation of biogenic amines in a cereal based fermented food: Tarhana. <b>2020</b> , 57, 4492-4500		3
247	Study of the protein, antioxidant activity, and starch during in vitro simulated digestion of green wheat and wheat cooked flours. <i>International Journal of Food Properties</i> , <b>2020</b> , 23, 722-735	3	4
246	Study on processing conditions for lotus root starch and red bean dumpling. <b>2020</b> , 44, e14492		
245	Solid-state fermentation of lentil (Lens culinaris L.) with Aspergillus awamori: Effect on phenolic compounds, mineral content, and their bioavailability. <b>2020</b> , 2, e37		14
244	Black Soybean Seed. <b>2020</b> , 147-159		1
243	Effect of steam explosion on phenolic compounds and antioxidant capacity in adzuki beans. <i>Journal of the Science of Food and Agriculture</i> , <b>2020</b> , 100, 4495-4503	4.3	2
242	Elicitation with Bacillus QV15 reveals a pivotal role of F3H on flavonoid metabolism improving adaptation to biotic stress in blackberry. <b>2020</b> , 15, e0232626		9
241	Temperature-Associated Effects on Flavonol Content in Field-Grown Phaseolus vulgaris L. Zolfino del Pratomagno. <b>2020</b> , 10, 682		
240	Functional properties of tempe protein isolates derived from germinated and non-germinated soybeans. <b>2020</b> , 443, 012001		
239	Gravity-driven biomimetic membrane (GDBM): An ecological water treatment technology for water purification in the open natural water system. <b>2020</b> , 399, 125650		15
238	Modeling the drying of ultrasound and glucose pretreated sweet potatoes: The impact on phytochemical and functional groups. <b>2020</b> , 68, 105226		15
237	Morinda citrifolia L. leaves extracts obtained by traditional and eco-friendly extraction solvents: Relation between phenolic compositions and biological properties by multivariate analysis. <b>2020</b> , 153, 112586		27
236	Crop Management in Controlled Environment Agriculture (CEA) Systems Using Predictive Mathematical Models. <b>2020</b> , 20,		7
235	Changes in the secondary compounds of persimmon leaves as a defense against circular leaf spot caused by Plurivorosphaerella nawae. <b>2020</b> , 15, e0230286		7
234	State-of-the-Art Production Chains for Peas, Beans and Chickpeas-Valorization of Agro-Industrial Residues and Applications of Derived Extracts. <i>Molecules</i> , <b>2020</b> , 25,	4.8	26

233	Comparative Study on Phytochemical Profiles and Antioxidant Capacities of Chestnuts Produced in Different Geographic Area in China. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	8
232	Male date palm flowers: Valuable nutritional food ingredients and alternative antioxidant source and antimicrobial agent. <b>2020</b> , 131, 181-187		7
231	Delineation of Genotype-by-Environment interactions for identification and validation of resistant genotypes in mungbean to root-knot nematode (Meloidogyne incognita) using GGE biplot. <b>2020</b> , 10, 4108		9
230	Effects of plasma-activated water treatment on seed germination and growth of mung bean sprouts. <b>2020</b> , 14, 823-830		24
229	Development of gelatin/chitosan film incorporated with lemon essential oil with antioxidant properties. <b>2020</b> , 14, 3010-3019		14
228	A novel fermented soybean, inoculated with selected Bacillus, Lactobacillus and Hansenula strains, showed strong antioxidant and anti-fatigue potential activity. <b>2020</b> , 333, 127527		21
227	Prosopis nigra fruits waste characterization, a potential source of functional ingredients for food formulations. <b>2020</b> , 132, 109828		3
226	The antioxidant index and chemometric analysis of tannin, flavonoid, and total phenolic extracted from medicinal plant foods with the solvents of different polarities. <b>2020</b> , 44, e14680		12
225	Heat priming improved heat tolerance of photosynthesis, enhanced terpenoid and benzenoid emission and phenolics accumulation in Achillea millefolium. <b>2021</b> , 44, 2365-2385		8
224	Physicochemical and functional properties of chitosan-stabilized selenium nanoparticles under different processing treatments. <b>2020</b> , 331, 127378		9
223	Management of Plant Physiology with Beneficial Bacteria to Improve Leaf Bioactive Profiles and Plant Adaptation under Saline Stress in L. <i>Foods</i> , <b>2020</b> , 9,	4.9	6
222	Spatiotemporal shading regulates anthocyanin, proanthocyanidin, and sucrose accumulation in black soybean seeds. <b>2020</b> , 112, 708-718		3
221	The Impact of Freeze-Drying Conditions on the Physico-Chemical Properties and Bioactive Compounds of a Freeze-Dried Orange Puree. <i>Foods</i> , <b>2019</b> , 9,	4.9	31
220	Selenium-Nanoparticles-Loaded Chitosan/Chitooligosaccharide Microparticles and Their Antioxidant Potential: A Chemical and In Vivo Investigation. <b>2020</b> , 12,		21
219	Formulation of functional crackers enriched with germinated lentil extract: A Response Surface Methodology Box-Behnken Design. <b>2020</b> , 123, 109065		17
218	Effect of gamma irradiation on antioxidant potential, isoflavone aglycone and phytochemical content of soybean (Glycine max L. Merrill) cultivar Williams. <b>2020</b> , 324, 497-505		4
217	Upcycling Legume Water: from wastewater to food ingredients. 2020,		8
216	Lentils (Lens culinaris L.): A candidate chemopreventive and antitumor functional food. <b>2020</b> , 99-120		4

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215	An Investigation on Phenolic and Antioxidant Capacity of Under-utilized Food Legumes Consumed in China. <i>Foods</i> , <b>2020</b> , 9,	4.9	5
214	Fruit Shell Extract-Induced Melanogenesis via cAMP Signaling Pathway Activation. <b>2020</b> , 21,		7
213	Microparticles of Eugenia stipitata pulp obtained by spray-drying guided by DSC: An analysis of bioactivity and in vitro gastrointestinal digestion. <b>2021</b> , 334, 127557		5
212	Beneficial effects of mung bean seed coat on the prevention of high-fat diet-induced obesity and the modulation of gut microbiota in mice. <b>2021</b> , 60, 2029-2045		10
211	Soybean (Glycine max) hull valorization through the extraction of polyphenols by green alternative methods. <b>2021</b> , 338, 128131		9
210	Nutritional value and antioxidant activity of Chinese black truffle (Tuber indicum) grown in different geographical regions in China. <b>2021</b> , 135, 110226		6
209	Solvent effect on phenolics and antioxidant activity of Huangshan Gongju (Dendranthema morifolium (Ramat) Tzvel. cv. Gongju) extract. <b>2021</b> , 147, 111875		6
208	Antioxidant, antimicrobial, and cytotoxic activities of extracts from the seed and pulp of Jujube () grown in Iran. <b>2021</b> , 9, 682-691		6
207	Impact of processing technologies on isoflavones, phenolic acids, and antioxidant capacities of soymilk prepared from 15 soybean varieties. <b>2021</b> , 345, 128612		16
206	Physicochemical stability and functional properties of selenium nanoparticles stabilized by chitosan, carrageenan, and gum Arabic. <b>2021</b> , 255, 117379		13
205	Drought stress effect on polyphenolic content and antioxidant capacity of cowpea pods and seeds. <b>2021</b> , 207, 197-207		4
204	Yellow- and green-cotyledon seeds of black soybean: Phytochemical and bioactive differences determine edibility and medical applications. <b>2021</b> , 39, 100842		2
203	Phytochemical characterization and biological activities of green tea (Camellia sinensis) produced in the Azores, Portugal. <b>2021</b> , 1, 100001		2
202	Effects of lemon essential oil and ethyl lauroyl arginate on the physico-chemical and mechanical properties of chitosan films for mackerel fillet coating application. <b>2021</b> , 15, 1499-1508		4
201	Preparation, characterization and antioxidant properties of gelatin films incorporated with Origanum onites L. essential oil. <b>2021</b> , 15, 795-806		3
200	Effect of Bacillus clausii-fermented spent coffee ground extract on Salmonella-infected macrophages. <b>2021</b> , 137, 110429		1
199	Solid state fermentation of fenugreek (-): implications on bioactive compounds, mineral content and in vitro bioavailability. <b>2021</b> , 58, 1927-1936		4
198	Optimization of process conditions to improve the quality properties of healthy watermelon snacks developed by hot-air drying. <b>2021</b> , 15, 2146-2160		3

197	Combinatorial effect of Macrotyloma uniflorum (Lam.) Verdc. seed extract and vorinostat (suberoylanilide hydroxamic acid) in human leukemia cells. <b>2021</b> , 17, 213		O
196	Comparative analysis of the antioxidant capacity and lipid and protein oxidation of soy and oats beverages. <b>2021</b> , 3,		3
195	Bioactive Compounds of Legume Seeds. <b>2021</b> , 645-665		O
194	Melanogenesis Promoting Effect, Antioxidant Activity, and UPLC-ESI-HRMS Characterization of Phenolic Compounds of Argan Leaves Extract. <i>Molecules</i> , <b>2021</b> , 26,	4.8	4
193	Innovative extraction technologies for high-value compounds. 2021, 309-350		
192	Chemistry of pulses: Dicronutrients. 2021, 61-86		О
191	Phenolic Antioxidants in Legumes and Nuts. <b>2021</b> , 177-208		1
190	Effect of elevated carbon-dioxide on plant growth, physiology, yield and seed quality of chickpea (L.) in Indo-Gangetic plains. <b>2021</b> , 27, 251-263		5
189	Alleviating Cr(VI) stress in horse gram (Macrotyloma uniflorum Var. Madhu) by native Cr-tolerant nodule endophytes isolated from contaminated site of Sukinda. <b>2021</b> , 28, 31717-31730		О
188	Protective Action of Nanoencapsulated Algal Extract in Controlling Vegetable Oils' Rancidity. <b>2021</b> , 6, 5642-5652		
187	Antioxidant capacity and total phenolics content of direct-expanded chickpeallorghum snacks. <b>2021</b> , 45, e15439		1
186	The effects of life style modification versus food supplementation on menopausal symptoms. <b>2021</b> , 45,		1
185	Technological, processing and nutritional aspects of chickpea (Cicer arietinum) - A review. <b>2021</b> , 109, 448-463		27
184	Protein plant-based composites synthesized with transglutaminase. <b>2021</b> , 677, 032046		
183	Total polyphenols and antihyperglycemic activity of aqueous fruits extract of Abelmoschus esculentus: Modeling and optimization of extraction conditions. <b>2021</b> , 16, e0250405		5
182	The use of biological selenium nanoparticles to suppress L. crown and root rot diseases induced by species and improve yield under drought and heat stress. <b>2021</b> , 28, 4461-4471		45
181	Effects of Radio Frequency Heating on the Stability and Antioxidant Properties of Rice Bran. <i>Foods</i> , <b>2021</b> , 10,	4.9	4
180	Foliar-applied Silicon and its Nanoparticles Stimulate Physio-chemical Changes to Improve Growth, Yield and Active Constituents of Coriander (Coriandrum Sativum L.) Essential Oil Under Different Irrigation Regimes. 1		11

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141	Textural, rheological and pasting properties of dough enriched with einkorn, cranberry bean and potato flours, using simplex lattice mixture design. <b>2018</b> , 10, 389-398	3
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100	Cooking Water Composition. <b>2020</b> , 73-85	O
99	Antioxidant Profile of Legume Seeds. <b>2020</b> , 71-95	
98	Comparative Analysis of Commercial Chinese Bean Sauce (Chunjang) from Korea and China Based on Antioxidant Activity. <b>2020</b> , 25, 78-83	1
97	Antioxidant (gallic acid and quercetin) profile of Sumatran wild mangoes (Mangifera spp.): a potential source for antidegenerative medicine. <b>2020</b> , 9, 220	2
96	Effects of twin-screw extrusion processing variables on physicochemical properties and antioxidant activity of rice incorporated with Agriophyllum squarrosum flour. <b>2020</b> , 44, e14524	2
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94	Optimization of ultrasound-assisted extraction of bioactive compounds from Achillea kellalensis using response surface methodology. <b>2021</b> , 28, 100355	1
93	Peanut Seed Coat Acts as a Physical and Biochemical Barrier against Infection <b>2021</b> , 7,	0
92	Phenolic content, antioxidant, cytotoxic and antiproliferative effects of fractions of (L.) verdc from Mpumalanga, South Africa <b>2021</b> , 7, e08397	2
91	Enrichment of isoflavone for development of functional soya and dairy products.	0
90	Comparative phenolic content and antioxidant activity of some medicinal plant extracts prepared by choline chloride based green solvents and methanol. <b>2021</b> , 4, 100224	1

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Optimization Method for Phenolic Compounds Extraction from Medicinal Plant (and Phytochemicals Screening <i>Molecules</i> , <b>2021</b> , 26,	3	6
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70	Multiresponse optimization of physical, chemical, and sensory properties of the gluten-free cake made with whole white quinoa flour. 1		O
69	Changes in antioxidant activity, phenolic compounds, fatty acids, and mineral contents of raw, germinated, and boiled lentil seeds <i>Journal of Food Science</i> , <b>2022</b> ,	3.4	О
68	Inhibitory effects of carob and propolis extracts on the formation of heterocyclic aromatic amines in beef meatballs cooked with different methods.		O
67	Phenolic compounds, antioxidant and antimicrobial activities of Pulicaria odora extract. <b>2022</b> , 18,		
66	The Anti-obesity Effect of Allium cepa L. Leaves on High Fat Diet Induced Obesity in Male Wistar Rats. <b>2022</b> , 100035		1
65	The bioactive constituents and antioxidant activities of ten selected Brazilian Cerrado fruits <b>2022</b> , 14, 100268		2
64	Antioxidant Profile and Biosafety of White Truffle Mycelial Products Obtained by Solid-State Fermentation <i>Molecules</i> , <b>2021</b> , 27,	4.8	O
63	Effect of Ethanol Solvents on Total Phenolic Content and Antioxidant Properties of Seed Extracts of Fenugreek (Trigonella foenum-graecum L.) Varieties and Determination of Phenolic Composition by HPLC-ESI-MS. <i>Diversity</i> , <b>2022</b> , 14, 7	2.5	4
62	The Effects Of Tempe Extract On The Oxidative Stress Marker And Lung Pathology In Tuberculosis Wistar Rat. <i>Russian Open Medical Journal</i> , <b>2021</b> , 10,	1.6	
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60	Phenolic Profile and Antioxidant Capacity of Selected Medicinal and Aromatic Plants: Diversity upon Plant Species and Extraction Technique. <i>Processes</i> , <b>2021</b> , 9, 2207	2.9	O
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54	Structural, Physicochemical, and Functional Properties of Wheat Bran Insoluble Dietary Fiber Modified With Probiotic Fermentation. <i>Frontiers in Nutrition</i> , <b>2022</b> , 9,	6.2	О

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29	Encapsulation of soy isoflavone extract by freeze drying, its stability during storage and development of isoflavone enriched yoghurt.	0
28	Development and optimization of NIRS prediction models for simultaneous multi-trait assessment in diverse cowpea germplasm. 9,	1
27	Effect of Pearling Rate on Highland Barley: Chemical, Physical, Antioxidant and Digestibility Characteristics.	0
26	Implications of exposing mungbean (Vigna radiata L.) plant to higher CO2 concentration on seed quality.	О
25	Bacillus H47 triggers Olea europaea metabolism activating DOXP and shikimate pathways simultaneously and modifying leaf extracts[antihypertensive activity. 13,	0
24	Pumpkin flour qualities as affected by ultrasound and microwave pre-drying treatment. <b>2022</b> , 25, 2409-2424	O
23	Modulation of Photosynthesis and ROS Scavenging Response by Beneficial Bacteria in Olea europaea Plantlets under Salt Stress Conditions. <b>2022</b> , 11, 2748	0
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18	A comparative study on biological activities of different solvent extracts from whole seed, seed coat and cotyledon of two Lathyrus species. 58,	Ο

17	Influence of bisphenol A on growth and metabolism of Vicia faba ssp. minor seedlings depending on lighting conditions. <b>2022</b> , 12,	1
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15	Nutritional value assessments of peanut hulls and valorization with exogenous fibrolytic enzymes extracted from a mixture culture of Aspergillus strains and Neurospora intermedia.	О
14	Utilization of Chitosan and Cassia (Cassia fistula) Seed Extract Based Filters in Efficient Wastewater Management. <b>2022</b> , 44, 458-466	О
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5	Biological Activity of Celery Extract Using Different Extraction Methods. 2023, 312-326	О
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1	Dates (Phoenix dactylifera L.) from the Adrar region of Algeria are rich in polyphenols, and ternary solvent extracts[antioxidant activity correlates with condensed tannins content.	0