

Impact of Commercial Precooking of Common Bean (<i>Phaseolus vulgaris</i>) on the  
Generation of Peptides, After Pepsin and Pancreatin Hydrolysis  
with a Specific Peptidase

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Hard-to-cook bean ( <i>Phaseolus vulgaris</i> L.) proteins hydrolyzed by alcalase and bromelain produced bioactive peptide fractions that inhibit targets of type-2 diabetes and oxidative stress. <i>Food Research International</i> , 2015, 76, 839-851.	2.9	97
2	Germination of <i>Phaseolus vulgaris</i> and alcalase hydrolysis of its proteins produced bioactive peptides capable of improving markers related to type-2 diabetes in vitro. <i>Food Research International</i> , 2015, 76, 150-159.	2.9	57
3	Quinoa ( <i>Chenopodium quinoa</i> Willd.) protein hydrolysates with in vitro dipeptidyl peptidase IV (DPP-IV) inhibitory and antioxidant properties. <i>Journal of Cereal Science</i> , 2015, 65, 112-118.	1.8	114
4	Characterization and Comparison of Protein and Peptide Profiles and their Biological Activities of Improved Common Bean Cultivars ( <i>Phaseolus vulgaris</i> L.) from Mexico and Brazil. <i>Plant Foods for Human Nutrition</i> , 2015, 70, 105-112.	1.4	61
5	Peptides present in the non-digestible fraction of common beans ( <i>Phaseolus vulgaris</i> L.) inhibit the angiotensin-I converting enzyme by interacting with its catalytic cavity independent of their antioxidant capacity. <i>Food and Function</i> , 2015, 6, 1470-1479.	2.1	39
6	Identification of ACE-inhibitory peptides from <i>Phaseolus vulgaris</i> after in vitro gastrointestinal digestion. <i>International Journal of Food Sciences and Nutrition</i> , 2015, 66, 774-782.	1.3	34
7	Food bioactive compounds: Quality control and functional properties. <i>Food Research International</i> , 2015, 77, 73-74.	2.9	4
8	Dietary supplementation with fermented legumes modulate hyperglycemia and acetylcholinesterase activities in Streptozotocin-induced diabetes. <i>Pathophysiology</i> , 2015, 22, 195-201.	1.0	30
9	Postharvest storage of Carioca bean ( <i>Phaseolus vulgaris</i> L.) did not impair inhibition of inflammation in lipopolysaccharide-induced human THP-1 macrophage-like cells. <i>Journal of Functional Foods</i> , 2016, 23, 154-166.	1.6	18
10	Digested protein isolate from fresh and stored Carioca beans reduced markers of atherosclerosis in oxidized LDL-induced THP-1 macrophages. <i>Journal of Functional Foods</i> , 2016, 24, 97-111.	1.6	11
11	In Rwandese Women with Low Iron Status, Iron Absorption from Low-Phytic Acid Beans and Biofortified Beans Is Comparable, but Low-Phytic Acid Beans Cause Adverse Gastrointestinal Symptoms. <i>Journal of Nutrition</i> , 2016, 146, 970-975.	1.3	35
12	Common bean ( <i>Phaseolus vulgaris</i> L.) protein-derived peptides increased insulin secretion, inhibited lipid accumulation, increased glucose uptake and reduced the phosphatase and tensin homologue activation in vitro. <i>Journal of Functional Foods</i> , 2016, 27, 160-177.	1.6	46
13	A peptidomic approach for the identification of antioxidant and ACE-inhibitory peptides in sardinelle protein hydrolysates fermented by <i>Bacillus subtilis</i> A26 and <i>Bacillus amyloliquefaciens</i> An6. <i>Food Research International</i> , 2016, 89, 347-358.	2.9	63
14	Food-derived dipeptidyl-peptidase IV inhibitors as a potential approach for glycemic regulation – Current knowledge and future research considerations. <i>Trends in Food Science and Technology</i> , 2016, 54, 1-16.	7.8	135
15	Optimization of enzymatic production of anti-diabetic peptides from black bean ( <i>Phaseolus vulgaris</i> L.) proteins, their characterization and biological potential. <i>Food and Function</i> , 2016, 7, 713-727.	2.1	104
16	Prospects for the management of type 2 diabetes using food protein-derived peptides with dipeptidyl peptidase IV (DPP-IV) inhibitory activity. <i>Current Opinion in Food Science</i> , 2016, 8, 19-24.	4.1	59
17	Changes in antioxidant and antiinflammatory activity of black bean ( <i>Phaseolus vulgaris</i> L.) protein isolates due to germination and enzymatic digestion. <i>Food Chemistry</i> , 2016, 203, 417-424.	4.2	71
18	Evaluation of the hypoglycemic potential of a black bean hydrolyzed protein isolate and its pure peptides using in silico, in vitro and in vivo approaches. <i>Journal of Functional Foods</i> , 2017, 31, 274-286.	1.6	79

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19	Black bean anthocyanin-rich extracts as food colorants: Physicochemical stability and antidiabetes potential. <i>Food Chemistry</i> , 2017, 229, 628-639.	4.2	122
20	Bean peptides have higher in silico binding affinities than ezetimibe for the N-terminal domain of cholesterol receptor Niemann-Pick C1 Like-1. <i>Peptides</i> , 2017, 90, 83-89.	1.2	16
21	Purification and identification of a novel ACE inhibitory peptide from marine alga <i>Gracilariopsis lemaneiformis</i> protein hydrolysate. <i>European Food Research and Technology</i> , 2017, 243, 1829-1837.	1.6	60
22	Antiproliferative effect of peptide fractions isolated from a quality protein maize, a white hybrid maize, and their derived peptides on hepatocarcinoma human HepG2 cells. <i>Journal of Functional Foods</i> , 2017, 34, 36-48.	1.6	44
23	Bioactivities of alternative protein sources and their potential health benefits. <i>Food and Function</i> , 2017, 8, 3443-3458.	2.1	79
24	Antihypertensive Effect of Protein Hydrolysate from Azufrado Beans in Spontaneously Hypertensive Rats. <i>Cereal Chemistry</i> , 2017, 94, 117-123.	1.1	6
25	Effect of Dehulling and Germination on Physicochemical and Pasting Properties of Black Beans ( <i>Phaseolus vulgaris</i> L.). <i>Cereal Chemistry</i> , 2017, 94, 98-103.	1.1	14
26	Characterization of peptides from common bean protein isolates and their potential to inhibit markers of type 2 diabetes, hypertension and oxidative stress. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 2401-2410.	1.7	75
27	Bioactive Peptides by in vitro Digestion of Germinated Bean Cotyledons Extrudates. <i>Journal of Food Research</i> , 2017, 7, 76.	0.1	8
28	Bioactive Peptides. <i>Foods</i> , 2017, 6, 32.	1.9	324
29	Increasing Antioxidant Activity and Protein Digestibility in <i>Phaseolus vulgaris</i> and <i>Avena sativa</i> by Fermentation with the <i>Pleurotus ostreatus</i> Fungus. <i>Molecules</i> , 2017, 22, 2275.	1.7	48
30	Beans ( <i>Phaseolus vulgaris</i> L.): whole seeds with complex chemical composition. <i>Current Opinion in Food Science</i> , 2018, 19, 63-71.	4.1	84
31	DPPIV/CD26 as a Target in Anti-inflammatory Therapy. , 2018, , 133-147.		1
32	Protein hydrolysates and ultrafiltered <math>1\text{ kDa}</math> fractions from <i>Phaseolus lunatus</i> , <i>Phaseolus vulgaris</i> and <i>Mucuna pruriens</i> exhibit antihyperglycemic activity, intestinal glucose absorption and $\alpha$ -glucosidase inhibition with no acute toxicity in rodents. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 587-595.	1.7	22
33	Chia ( <i>Salvia hispanica</i> L.) Seed Total Protein and Protein Fractions Digests Reduce Biomarkers of Inflammation and Atherosclerosis in Macrophages In Vitro. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1900021.	1.5	23
34	Two Sides of the Same Coin: The Impact of Grain Legumes on Human Health: Common Bean ( <i>Phaseolus</i> ) Tj ETQq1 1 0.784314 rgBT /Ov		
35	Bioprocessing of common pulses changed seed microstructures, and improved dipeptidyl peptidase-IV and $\alpha$ -glucosidase inhibitory activities. <i>Scientific Reports</i> , 2019, 9, 15308.	1.6	44
36	Discovery of Food-Derived Dipeptidyl Peptidase IV Inhibitory Peptides: A Review. <i>International Journal of Molecular Sciences</i> , 2019, 20, 463.	1.8	99

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37	Whole flour and protein hydrolysate from common beans reduce the inflammation in BALB/c mice fed with high fat high cholesterol diet. <i>Food Research International</i> , 2019, 122, 330-339.	2.9	29
38	Digested total protein and protein fractions from chia seed ( <i>Salvia hispanica</i> L.) had high scavenging capacity and inhibited 5-LOX, COX-1-2, and iNOS enzymes. <i>Food Chemistry</i> , 2019, 289, 204-214.	4.2	44
39	Enzymatic protein hydrolysates and ultrafiltered peptide fractions from Cowpea <i>Vigna unguiculata</i> L bean with in vitro antidiabetic potential. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 1773-1781.	1.2	17
40	Antihyperglycemic and hypoglycemic activity of naturally occurring peptides and protein hydrolysates from easy-to-cook and hard-to-cook beans ( <i>Phaseolus vulgaris</i> L.). <i>Food Research International</i> , 2019, 121, 238-246.	2.9	52
41	Cytotoxic and genotoxic activity of protein isolate of ayocote beans and anticancer activity of their protein fractions. <i>Journal of Food Measurement and Characterization</i> , 2019, 13, 1040-1048.	1.6	3
42	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. <i>Food Chemistry</i> , 2019, 281, 154-162.	4.2	16
43	Investigation into the potential of commercially available lesser mealworm ( <i>A. diaperinus</i> ) protein to serve as sources of peptides with DPP-IV inhibitory activity. <i>International Journal of Food Science and Technology</i> , 2019, 54, 696-704.	1.3	25
44	Common bean protein hydrolysate modulates lipid metabolism and prevents endothelial dysfunction in BALB/c mice fed an atherogenic diet. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2020, 30, 141-150.	1.1	32
45	Bioinformatics of edible yellow mealworm ( <i>Tenebrio molitor</i> ) proteome reveal the cuticular proteins as promising precursors of dipeptidyl peptidase-IV inhibitors. <i>Journal of Food Biochemistry</i> , 2020, 44, e13121.	1.2	9
46	Cocoa ( <i>Theobroma cacao</i> L.) Seed Proteins™ Anti-Obesity Potential through Lipase Inhibition Using In Silico, In Vitro and In Vivo Models. <i>Foods</i> , 2020, 9, 1359.	1.9	33
47	Dark red kidney bean ( <i>Phaseolus vulgaris</i> L.) protein hydrolysates inhibit the growth of oxidizing substances in plain yogurt. <i>Journal of Agriculture and Food Research</i> , 2020, 2, 100062.	1.2	18
48	Exploring the structure-function relationship of Great Northern and navy bean ( <i>Phaseolus vulgaris</i> ) Tj ETQq1 1 0.784314 rgBT /Overlook Biological Macromolecules, 2020, 162, 1516-1525.	3.6	29
49	Pulses™ germination and fermentation: Two bioprocessing against hypertension by releasing ACE inhibitory peptides. <i>Critical Reviews in Food Science and Nutrition</i> , 2021, 61, 2876-2893.	5.4	20
50	Combinations of Legume Protein Hydrolysates Synergistically Inhibit Biological Markers Associated with Adipogenesis. <i>Foods</i> , 2020, 9, 1678.	1.9	13
51	ACE Inhibitory Properties and Phenolics Profile of Fermented Flours and of Baked and Digested Biscuits from Buckwheat. <i>Foods</i> , 2020, 9, 847.	1.9	15
52	Autoclaving and extrusion improve the functional properties and chemical composition of black bean carbohydrate extracts. <i>Journal of Food Science</i> , 2020, 85, 2783-2791.	1.5	15
53	Bioactive peptides from beans with the potential to decrease the risk of developing noncommunicable chronic diseases. <i>Critical Reviews in Food Science and Nutrition</i> , 2021, 61, 2003-2021.	5.4	18
54	Sturgeon hydrolysates alleviate DSS-induced colon colitis in mice by modulating NF- $\kappa$ B, MAPK, and microbiota composition. <i>Food and Function</i> , 2020, 11, 6987-6999.	2.1	36

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55	Techno-functional properties of thermally treated black bean protein concentrate generated through ultrafiltration process. <i>LWT - Food Science and Technology</i> , 2021, 136, 110296.	2.5	23
56	Protein hydrolysates and phenolic compounds from fermented black beans inhibit markers related to obesity and type 2 diabetes. <i>LWT - Food Science and Technology</i> , 2021, 136, 110296.		5
57	Mechanistic study on the nanocomplexation between curcumin and protein hydrolysates from Great Northern bean ( <i>Phaseolus vulgaris</i> L.) for delivery applications in functional foods. <i>LWT - Food Science and Technology</i> , 2021, 139, 110572.	2.5	12
58	Fermentation of spent coffee grounds by <i>Bacillus clausii</i> induces release of potentially bioactive peptides. <i>LWT - Food Science and Technology</i> , 2021, 138, 110685.	2.5	26
59	Breeding for Enhanced Nutrition in Common Bean. <i>LWT - Food Science and Technology</i> , 2021, 138, 110685.		1
60	Glucagon-like peptide-1 regulation by food proteins and protein hydrolysates. <i>Nutrition Research Reviews</i> , 2021, 34, 259-275.	2.1	12
61	Protein Digests and Pure Peptides from Chia Seed Prevented Adipogenesis and Inflammation by Inhibiting PPAR $\alpha$ and NF- $\kappa$ B Pathways in 3T3L-1 Adipocytes. <i>Nutrients</i> , 2021, 13, 176.	1.7	28
62	Plant origin prebiotics affect duodenal brush border membrane functionality and morphology, <i>in vivo</i> ( <i>Gallus Gallus</i> ). <i>Food and Function</i> , 2021, 12, 6157-6166.	2.1	9
63	Bioactivities and ACE-inhibitory peptides releasing potential of lactic acid bacteria in fermented soy milk. <i>Food Production Processing and Nutrition</i> , 2021, 3, .	1.1	19
64	Antidiabetic Potential of Protein Hydrolysates and Peptide Fractions from Lima Bean ( <i>Phaseolus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 1979-1988.	0.9	9
65	Characterization of peptides with antioxidant activity and antidiabetic potential obtained from chickpea ( <i>Cicer arietinum</i> L.) protein hydrolyzates. <i>Journal of Food Science</i> , 2021, 86, 2962-2977.	1.5	25
66	Potential of green and roasted coffee beans and spent coffee grounds to provide bioactive peptides. <i>Food Chemistry</i> , 2021, 348, 129061.	4.2	26
67	Angiotensin I-converting enzyme, dipeptidyl peptidase-IV, and $\alpha$ -glucosidase inhibitory potential of hazelnut meal protein hydrolysates. <i>Journal of Food Measurement and Characterization</i> , 2021, 15, 4490-4496.	1.6	8
68	Cocoa ( <i>Theobroma cacao</i> L.) Seed-Derived Peptides Reduce Blood Pressure by Interacting with the Catalytic Site of the Angiotensin-Converting Enzyme. <i>Foods</i> , 2021, 10, 2340.	1.9	10
69	Pancreatin-Cetyl Pyridinium Chloride Digestion and Decontamination Method; A Novel, Sensitive, Cost-Effective Method for Culturing <i>Mycobacterium tuberculosis</i> . <i>Microorganisms</i> , 2021, 9, 2025.	1.6	1
70	Comparison of five chickpea varieties, optimization of hydrolysates production and evaluation of biomarkers for type 2 diabetes. <i>Food Research International</i> , 2021, 147, 110572.	2.9	13
71	Oxidant-reducing and antioxidant effects of a low molecular weight peptide fraction from hardened bean ( <i>Phaseolus vulgaris</i> ) on endothelium. <i>Brazilian Journal of Medical and Biological Research</i> , 2021, 54, e10423.	0.7	11
72	Bioaccessibilidad de compuestos antioxidantes de diferentes variedades de frijol ( <i>Phaseolus vulgaris</i> L.) en MÃ©xico, mediante un sistema gastrointestinal <i>in vitro</i> //Bioaccessibility of antioxidant compounds from different bean varieties ( <i>Phaseolus vulgaris</i> L.) in Mexico, through an <i>in vitro</i> gastrointestinal system. <i>Biotecnica</i> , 2019, 22, 117-125.	0.1	4

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73	Biscuits from Fermented Roasted Buckwheat Flour - Phenolics Profile and Bioaccessible Angiotensin Converting Enzyme Inhibitory Activity. <i>Acta Universitatis Cibiniensis Series E: Food Technology</i> , 2020, 24, 205-214.	0.6	2
74	Protein profile and antioxidant capacity of processed seeds from two common bean (<i>Phaseolus) Tj ETQq1 1 0.784314 rgBT /Overload	1.3	4
75	Enhancement of DPP-IV inhibitory activity and the capacity for enabling GLP-1 secretion through RADA16-assisted molecular designed rapeseed peptide nanogels. <i>Food and Function</i> , 2022, 13, 5215-5228.	2.1	4
76	Sensory and Biological Potential of Encapsulated Common Bean Protein Hydrolysates Incorporated in a Greek-Style Yogurt Matrix. <i>Polymers</i> , 2022, 14, 854.	2.0	9
77	Effects of hydrothermal pretreatments on thermodynamic and technological properties of red bean starch. <i>Journal of Food Process Engineering</i> , 2022, 45, .	1.5	5
78	Diabetes and seeds: New horizon to promote human nutrition and anti-diabetics compounds in grains by germination. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 8457-8477.	5.4	1
79	Novel ACE inhibitory peptides derived from whey protein hydrolysates: Identification and molecular docking analysis. <i>Food Bioscience</i> , 2022, 48, 101737.	2.0	33
80	Digested protein from chia seed ( <i>Salvia hispanica</i> L) prevents obesity and associated inflammation of adipose tissue in mice fed a high-fat diet. <i>PharmaNutrition</i> , 2022, 21, 100298.	0.8	16
81	Health Benefits of Cereal Grain- and Pulse-Derived Proteins. <i>Molecules</i> , 2022, 27, 3746.	1.7	19
82	Changes in bioactive properties of dry bean extracts during enzymatic hydrolysis and in vitro digestion steps. <i>Journal of Food Measurement and Characterization</i> , 2022, 16, 3682-3698.	1.6	2
83	Legume Seed Protein Digestibility as Influenced by Traditional and Emerging Physical Processing Technologies. <i>Foods</i> , 2022, 11, 2299.	1.9	18
84	Health Promoting and Functional Activities of Peptides from Vigna Bean and Common Bean Hydrolysates: Process to Increase Activities and Challenges. <i>Food Reviews International</i> , 2023, 39, 6537-6567.	4.3	3
85	Stability of antioxidant and hypoglycemic activities of peptide fractions of Maize ( <i>Zea mays</i> L.) under different processes. <i>Journal of Food Measurement and Characterization</i> , 2023, 17, 362-370.	1.6	3
86	Improving ACE inhibitory activity of hazelnut peptide modified by plastein: Physicochemical properties and action mechanism. <i>Food Chemistry</i> , 2023, 402, 134498.	4.2	11
87	Mexican grasshopper ( <i>Sphenarium purpurascens</i> ) as source of high protein flour: Techno-functional characterization, and in silico and in vitro biological potential. <i>Food Research International</i> , 2022, 162, 112048.	2.9	2
88	Escalate protein plates from legumes for sustainable human nutrition. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	19
89	Antidiabetic, angiotensinâ€converting enzyme inhibitory and antiâ€inflammatory activities of fermented camel milk and characterisation of novel bioactive peptides from lacticâ€fermented camel milk with molecular interaction study. <i>International Journal of Dairy Technology</i> , 2023, 76, 149-167.	1.3	10
90	Identification of Bioactive Peptides from <i>Nannochloropsis oculata</i> Using a Combination of Enzymatic Treatment, in Silico Analysis and Chemical Synthesis. <i>Biomolecules</i> , 2022, 12, 1806.	1.8	4

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91	Potential Role of Bioactive Proteins and Peptides Derived from Legumes towards Metabolic Syndrome. <i>Nutrients</i> , 2022, 14, 5271.	1.7	8
92	A comparative study of fermented buffalo and camel milk with anti-inflammatory, ACE-inhibitory and anti-diabetic properties and release of bio active peptides with molecular interactions: In vitro, in silico and molecular study. <i>Food Bioscience</i> , 2023, 52, 102373.	2.0	13
93	Impact of thermal treatments and simulated gastrointestinal digestion on the $\alpha$ -amylase inhibitory activity of different legumes. <i>Food Chemistry</i> , 2023, 418, 135884.	4.2	4
94	In Vitro Assessment Methods for Antidiabetic Peptides from Legumes: A Review. <i>Foods</i> , 2023, 12, 631.	1.9	4
95	Legume-Derived Bioactive Peptides in Type 2 Diabetes: Opportunities and Challenges. <i>Nutrients</i> , 2023, 15, 1096.	1.7	5
98	Protein from landâ€™legumes and pulses. , 2023, , 35-68.		1
99	Sprouted Legumes: Biochemical Changes, Nutritional Impacts and Food Safety Concerns. , 2023, , 173-199.		0