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Effects of Pulsed Electric Field Processing on Apple and Pear Polyphenoloxidases

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102	Effect of high intensity pulsed electric fields and heat treatments on vitamins of milk. 2002 , 69, 113-23		82
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100	Inactivation of Peach Polyphenoloxidase by Exposure to Pulsed Electric Fields. 2002 , 67, 1467-1472		83
99	Lessening polygalacturonase activity in a commercial enzyme preparation by exposure to pulsed electric fields. 2003 , 217, 43-48		29
98	Reduction of Protease Activity in Simulated Milk Ultrafiltrate by Continuous Flow High Intensity Pulsed Electric Field Treatments. 2003 , 68, 952-957		41
97	Microbial and Enzymatic Changes in Fruit Juice Induced by High-Intensity Pulsed Electric Fields. 2003 , 19, 253-273		75
96	Pulsed electric fields. 2003 , 360-427		5
95	Effects of Pulsed Electric Fields on the Activity of Enzymes in Aqueous Solution. 2004 , 69, FCT241-FCT248		71
94	Application of PEF on Orange Juice Products. 2004 , 131-144		
93	Reduction of pectinesterase activity in a commercial enzyme preparation by pulsed electric fields: comparison of inactivation kinetic models. 2005 , 85, 1613-1621		46
92	Models in a Bayesian framework for inactivation of pectinesterase in a commercial enzyme formulation by pulsed electric fields. 2005 , 221, 255-264		12
91	Enzymatic Inactivation by Pulsed Electric Fields. 2005 , 155-181		9
90	Modeling high-intensity pulsed electric field inactivation of a lipase from <i>Pseudomonas fluorescens</i> . 2006 , 89, 4096-104		11
89	Inactivation Effects of PEF on Horseradish Peroxidase (HRP) and Pectinesterase (PE). 2006 , 34, 2630-2636		19
88	Inactivation of plant pectin methylesterase by thermal or high intensity pulsed electric field treatments. 2006 , 7, 40-48		81
87	Inactivation of orange juice peroxidase by high-intensity pulsed electric fields as influenced by process parameters. 2006 , 86, 71-81		111
86	Impact of pulsed electric fields on food enzymes and shelf-life. 2007 , 212-246		

85	Pulsed Electric Field Technology: Effect on Milk and Fruit Juices. 241-269	4
84	. 2007 ,	21
83	Inactivation kinetics and secondary structural change of PEF-treated POD and PPO. 2007 , 100, 115-123	114
82	Influence of SO ₂ on the consumption of nitrogen compounds through alcoholic fermentation of must sterilized by pulsed electric fields. 2007 , 103, 771-777	29
81	Comparison of Thermal Processing and Pulsed Electric Fields Treatment in Pasteurization of Apple Juice. 2007 , 85, 93-97	77
80	Modeling the reduction of pectin methyl esterase activity in orange juice by high intensity pulsed electric fields. 2007 , 78, 184-193	60
79	Optimization and validation of PEF processing conditions to inactivate oxidative enzymes of grape juice. 2007 , 83, 452-462	67
78	Influence of SO ₂ on the evolution of volatile compounds through alcoholic fermentation of must stabilized by pulsed electric fields. 2008 , 227, 401-408	28
77	Comparative study of pulsed electric field and thermal processing of apple juice with particular consideration of juice quality and enzyme deactivation. 2008 , 56, 4545-54	83
76	Alkaline phosphatase and microbial inactivation by pulsed electric field in bovine milk. 2008 , 9, 217-223	75
75	Effect of storage conditions on the volatile composition of wines obtained from must stabilized by PEF during ageing without SO ₂ . 2008 , 9, 469-476	53
74	Polyphenol Oxidase: Characteristics and Mechanisms of Browning Control. 2008 , 24, 361-375	210
73	ENZYME INACTIVATION ON APPLE JUICE TREATED BY ULTRAPASTEURIZATION AND PULSED ELECTRIC FIELDS TECHNOLOGY. <i>Journal of Food Processing and Preservation</i> , 2009 , 33, 486-499	2.1 27
72	Effects of pulsed electric fields on bioactive compounds in foods: a review. 2009 , 20, 544-556	219
71	Methods for Pretreatment of Lignocellulosic Biomass for Efficient Hydrolysis and Biofuel Production. 2009 , 48, 3713-3729	2531
70	Food Quality and Safety Issues during Pulsed Electric Field Processing. 2009 , 441-479	
69	Application of chemical and physical agents in model systems to controlling phenoloxidase enzymes. 2010 , 231, 603-610	13
68	Electroporation of Cell Membranes: The Fundamental Effects of Pulsed Electric Fields in Food Processing. 2010 , 2, 52-73	146

67	Conformation changes of polyphenol oxidase and lipoxygenase induced by PEF treatment. 2010 , 40, 295-301	32
66	High-intensity pulsed electric fields processing parameters affecting polyphenoloxidase activity of strawberry juice. 2010 , 75, C641-6	22
65	Effect of pulsed electric fields treatment and mash size on extraction and composition of apple juices. 2010 , 58, 9611-6	20
64	Survivability of Inoculated Versus Naturally Grown Bacteria in Apple Juice Under Pulsed Electric Fields. 2010 , 46, 9-15	9
63	Pulsed Electric Field Pretreatment of Switchgrass and Wood Chip Species for Biofuel Production. 2011 , 50, 10996-11001	59
62	Pulsed Electric Fields Processing Basics. 2011 , 155-175	1
61	Food Preservation by Pulsed Electric Fields: An Engineering Perspective. 2011 , 3, 94-107	37
60	Non-thermal Food Engineering Operations. 2012 ,	7
59	Pulsed Electric Field Processing of Fluid Foods. 2012 , 63-108	4
58	Effect of UV-vis irradiation of must on Cabernet Franc and Xarel·lo wines chemical quality. 2012 , 47, 2015-2020	3
57	Inactivation of polyphenol oxidase by ultraviolet irradiation: Protective effect of melanins. 2012 , 110, 305-309	23
56	A review of kinetic models for inactivating microorganisms and enzymes by pulsed electric field processing. 2012 , 111, 191-207	75
55	Proteolysis of Cheese Slurry Made from Pulsed Electric Field-Treated Milk. 2012 , 5, 47-54	20
54	Protective Effect of Melanoidins from Fructose–Glutamic Acid on Polyphenol Oxidase Inactivation by Ultraviolet–Visible Irradiation. 2013 , 6, 3290-3294	7
53	From Apple to Juice—The Fate of Polyphenolic Compounds. 2013 , 29, 276-293	23
52	Advances in Food Process Engineering Research and Applications. 2013 ,	5
51	Effects of electric field strength and pulse rise time on physicochemical and sensory properties of apple juice by pulsed electric field. 2013 , 17, 85-92	53
50	Kinetics of peroxidase inactivation in carrot juice treated with pulsed electric fields. 2013 , 78, E222-8	11

49	Modelling of polyphenoloxidase inactivation by pulsed electric fields considering coupled effects of temperature and electric field. 2013 , 20, 126-132	15
48	Enzymatic Browning. 2013 , 387-418	7
47	UV-C irradiation: An alternative to reduce SO ₂ in white wines?. 2013 , 51, 59-64	18
46	Effect of pulsed electric field treatment on polyphenol oxidase, total phenolic compounds, and microbial growth of apple juice. 2013 , 37, 772-780	13
45	Enzyme activity and colour changes in apple juice pasteurised thermally and by pulsed electric fields. 2013 , 42, 45-54	8
44	Effects of High-Intensity Pulsed Electric Fields Processing Parameters on the Chlorophyll Content and Its Degradation Compounds in Broccoli Juice. 2014 , 7, 1137-1148	15
43	Stevia rebaudiana Bertoni as a natural antioxidant/antimicrobial for high pressure processed fruit extract: processing parameter optimization. 2014 , 148, 261-7	61
42	Enzymatic Inactivation by Pulsed Electric Fields. 2014 , 155-168	2
41	Effect of Stevia rebaudiana on Oxidative Enzyme Activity and Its Correlation with Antioxidant Capacity and Bioactive Compounds. 2014 , 7, 1518-1525	25
40	Chapter 7 Freezing. 2015 , 282-319	1
39	A Novel Strategy Using Pulsed Electric Fields to Modify the Thermostability of Ascorbic Acid Oxidase in Different Carrot Cultivars. 2015 , 8, 811-823	14
38	Cold Plasma: A novel Non-Thermal Technology for Food Processing. 2015 , 10, 1-11	284
37	Use of Weibull distribution to quantify the antioxidant effect of Stevia rebaudiana on oxidative enzymes. 2015 , 60, 985-989	7
36	Quality-related enzymes in plant-based products: effects of novel food processing technologies part 2: pulsed electric field processing. 2015 , 55, 1-15	43
35	Metabolic response of fresh-cut apples induced by pulsed electric fields. 2016 , 38, 356-364	28
34	Physicochemical and sensory characterization of gnocchi and the effects of novel formulation on in vitro digestibility. 2016 , 53, 4033-4042	2
33	Impact of Pulsed Electric Fields on Enzymes. 2016 , 1-21	3
32	Effect of pulsed electrical fields on the structural properties that affect french fry texture during processing. 2017 , 67, 1-11	40

31	Pome Fruit Juices. 2017 , 1-25	
30	Polyphenol Oxidases (PPOs) in Plants. 2017 ,	13
29	Polyphenol Oxidase(s): Importance in Food Industry. 2017 , 93-106	
28	Sustainable Production of Polyphenols and Antioxidants by Plant In Vitro Cultures. 2018 , 225-269	8
27	Physicochemical properties of apple juice influenced by induced potential difference (induced electric field) during disposable continuous-flow treatment. 2018 , 234, 108-116	7
26	Initial stages of minimal processing of red beets result in significant loss of bioactive compounds. 2018 , 96, 439-445	7
25	Utilising Pulsed Electric Fields Processing to Modify the Characteristics of Plant-Based Foods. 2018 ,	
24	Pulsed Electric Fields Processing of Plant-Based Foods: An Overview. 2019 , 245-254	
23	Emerging Technologies of Meat Processing. 2019 , 181-205	2
22	Effect of pulsed electric fields (PEF) on physico-chemical properties, β -carotene and antioxidant activity of air-dried apricots. 2019 , 291, 253-262	25
21	Cysteine enhances the content of betalains and polyphenols in fresh-cut red beet. 2019 , 286, 600-607	12
20	Impact of pulsed magnetic field treatment on enzymatic inactivation and quality of cloudy apple juice. 2021 , 58, 2982-2991	0
19	Vivid techniques of pretreatment showing promising results in biofuel production and food processing. 2021 , 44, e13580	1
18	Study on the influence of different magnetic and electric field-assisted storage methods on non-thermal effects of food.	1
17	Retention of polyphenols and vitamin C in cranberrybush purb (Viburnum opulus) by means of non-thermal treatments. 2021 , 360, 129918	9
16	Basics for Modeling of Pulsed Electric Field Processing of Foods. 171-191	2
15	High-Voltage Pulsed Electric Fields. 2012 , 275-300	1
14	Nonthermal Technologies to Extend the Shelf Life of Fresh-Cut Fruits and Vegetables. 2013 , 375-413	2

13	Pulsed Electric Field Treatment for Beverage Production and Preservation. 2016 , 1-17	4
12	Impact of Pulsed Electric Fields on Enzymes. 2017 , 2369-2389	5
11	Does High-Intensity Pulsed Electric Fields Induce Changes in Enzymatic Activity, Protein Conformation, and Vitamin and Flavor Stability?. 2004 , 87-104	1
10	Effect of Novel Food Processing on Fruit and Vegetable Enzymes. 2010 , 245-312	5
9	Pulsed Electric Fields to Obtain Safe and Healthy Shelf-Stable Liquid Foods. 2011 , 205-222	2
8	High-Intensity Pulsed Electric Field Applications in Fruit Processing. 2012 , 149-184	
7	Pulsed Electric Field Treatment for Beverage Production and Preservation. 2017 , 2477-2493	1
6	Sustainable Production of Polyphenols and Antioxidants by Plant In Vitro Cultures. 2018 , 1-45	1
5	Utilising Pulsed Electric Fields Processing to Modify the Characteristics of Plant-Based Foods. 2018 , 297-304	
4	Fruits: Apple, Tomato, and Citruses. 2020 , 211-241	
3	Possibility of Pulsed Electric Field and Essential Oil Pre-treatment, Microwave-air Dehydration to the Quality of the Dehydrated Sesban (Sesbania sesban) Flower.	0
2	UV-C irradiation delays browning of fresh-cut Fuji Apples. <i>Journal of Food Processing and Preservation</i> ,	2.1 0
1	Engineering and Nonthermal Technologies: Process Optimization Through Kinetic Modelling. 2022 , 53-92	0