

# Effect of additives on thermal, rheological and tribological chocolate

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Citation Report

#	ARTICLE	IF	CITATIONS
1	3D food printing: a categorised review of inks and their development. <i>Virtual and Physical Prototyping</i> , 2019, 14, 203-218.	5.3	100
2	Printability and Physicochemical Properties of Microalgae-Enriched 3D-Printed Snacks. <i>Food and Bioprocess Technology</i> , 2020, 13, 2029-2042.	2.6	62
3	A rapid method to evaluate the chocolate smoothness based on the tribological measurement. <i>Journal of Texture Studies</i> , 2020, 51, 882-890.	1.1	5
4	Comparison of 3D printed and molded carrots produced with gelatin, guar gum and xanthan gum. <i>Journal of Texture Studies</i> , 2020, 51, 852-860.	1.1	21
5	How to Formulate for Structure and Texture via Medium of Additive Manufacturing-A Review. <i>Foods</i> , 2020, 9, 497.	1.9	49
6	Food Oral Processing and Tribology: Instrumental Approaches and Emerging Applications. <i>Food Reviews International</i> , 2021, 37, 538-571.	4.3	25
7	Effect of polymer flow aids on LD iron ore flowability. <i>Powder Technology</i> , 2021, 377, 523-533.	2.1	0
8	A review on customizing edible food materials into 3D printable inks: Approaches and strategies. <i>Trends in Food Science and Technology</i> , 2021, 107, 68-77.	7.8	42
9	Novel evaluation technology for the demand characteristics of 3D food printing materials: a review. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 4669-4683.	5.4	39
11	Consumer Assessment of 3D-Printed Food Shape, Taste, and Fidelity Using Chocolate and Marzipan Materials. <i>3D Printing and Additive Manufacturing</i> , 2022, 9, 473-482.	1.4	10
12	3D food printing: Applications of plant-based materials in extrusion-based food printing. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 7184-7198.	5.4	28
13	4D Printing of Sago Starch with Turmeric Blends: A Study on pH-Triggered Spontaneous Color Transformation. <i>ACS Food Science &amp; Technology</i> , 2021, 1, 669-679.	1.3	29
14	Trends in functional food development with three-dimensional (3D) food printing technology: prospects for value-added traditionally processed food products. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 7866-7904.	5.4	47
15	Protein-based hydrocolloids: Effect on the particle size distribution, tribo-rheological behaviour and mouthfeel characteristics of low-fat chocolate flavoured milk. <i>Food Hydrocolloids</i> , 2021, 115, 106628.	5.6	17
16	Drawing the scientific landscape of 3D Food Printing. Maps and interpretation of the global information in the first 13 years of detailed experiments, from 2007 to 2020. <i>Innovative Food Science and Emerging Technologies</i> , 2021, 70, 102689.	2.7	17
17	Extrusion-Based 3D Food Printing: Technological Approaches, Material Characteristics, Printing Stability, and Post-processing. <i>Food Engineering Reviews</i> , 2022, 14, 100-119.	3.1	38
18	Formulation engineering of food systems for 3D-printing applications – A review. <i>Food Research International</i> , 2021, 148, 110585.	2.9	38
19	The role of hydrocolloids on the 3D printability of meat products. <i>Food Hydrocolloids</i> , 2021, 119, 106879.	5.6	25

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20	Formulation and evaluation of cold-extruded chocolate ganache for three-dimensional food printing. <i>Journal of Food Engineering</i> , 2022, 314, 110785.	2.7	17
21	Formulation of protein-enriched 3D printable food matrix and evaluation of textural, rheological characteristics, and printing stability. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e15182.	0.9	21
22	Measurement of molten chocolate friction under simulated tongue-palate kinematics: Effect of cocoa solids content and aeration. <i>Current Research in Food Science</i> , 2020, 3, 304-313.	2.7	21
23	Advances and prospective applications of 3D food printing for health improvement and personalized nutrition. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021, 20, 5722-5741.	5.9	37
24	Chocolate flow behavior: Composition and process effects. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 3788-3802.	5.4	10
25	LF-NMR as a tool for predicting the 3D printability of surimi-starch systems. <i>Food Chemistry</i> , 2022, 374, 131727.	4.2	32
26	Restructuring cookie dough with 3D printing: Relationships between the mechanical properties, baking conditions, and structural changes. <i>Journal of Food Engineering</i> , 2022, 319, 110911.	2.7	24
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33	3D food printing curing technology based on gellan gum. <i>Journal of Food Engineering</i> , 2022, 327, 111036.	2.7	16
34	Towards the Development of 3D-Printed Food: A Rheological and Mechanical Approach. <i>Foods</i> , 2022, 11, 1191.	1.9	29
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36	Correlating rheology with 3D printing performance based on thermo-responsive $\kappa$ -carrageenan/Pleurotus ostreatus protein with regard to interaction mechanism. <i>Food Hydrocolloids</i> , 2022, 131, 107813.	5.6	29
37	3D Printing Technology : Food Tech Analysis. <i>Jawon Gwahak Yeongu</i> , 2022, 4, 1-11.	0.1	1
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39	Effect of gums on the multi-scale characteristics and 3D printing performance of potato starch gel. <i>Innovative Food Science and Emerging Technologies</i> , 2022, 80, 103102.	2.7	16
40	Development of fat-reduced 3D printed chocolate by substituting cocoa butter with water-in-oil emulsions. <i>Food Hydrocolloids</i> , 2023, 135, 108114.	5.6	17
41	Influence of Test Parameters on the Evaluation of Chocolate Silkiness Using the Tribological Method. <i>Lubricants</i> , 2022, 10, 217.	1.2	0

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42	Accurate Evaluation of the Flow Properties of Molten Chocolate: Circumventing Artefacts. Food Analytical Methods, 2023, 16, 190-205.	1.3	2
44	Preparation of Dashanzha Wan by three-dimensional printing. Journal of Traditional Chinese Medical Sciences, 2022, , .	0.1	0
45	Printability, texture, and sensory trade-offs for 3D printed potato with added proteins and lipids. Journal of Food Engineering, 2023, 351, 111517.	2.7	4
46	Effects of high-protein milk powder, linseed paste, and grape molasses levels on physicochemical, rheological, and sensory attributes of linseed spread. Food Science and Nutrition, 0, , .	1.5	0
47	A brief review on 3D printing of chocolate. International Journal of Food Science and Technology, 2023, 58, 2811-2828.	1.3	0
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56	Application of 3D printing in food industry. , 2024, , 127-142.		0