

# CITATION REPORT

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Curcumin- $\beta$ -cyclodextrin inclusion complex: stability, solubility, characterisation by FT-IR, FT-Raman, X-ray diffraction and photoacoustic spectroscopy, and food applica

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#	Paper	IF	Citations
352	Microencapsulation of Natural Anti-Oxidant Pigments. <b>2015</b> , 369-389		3
351	Stabilization of curcumin against photodegradation by encapsulation in gamma-cyclodextrin: A study based on chromatographic and spectroscopic (Raman and UV-visible) data. <b>2015</b> , 81, 106-111		20
350	Fabrication of amorphous curcumin nanosuspensions using $\beta$ -lactoglobulin to enhance solubility, stability, and bioavailability. <b>2015</b> , 127, 114-21		84
349	Encapsulation of Functional Lipophilic Food and Drug Biocomponents. <b>2015</b> , 7, 417-438		38
348	Curcumin loaded self assembled lipid-biopolymer nanoparticles for functional food applications. <b>2015</b> , 52, 6143-56		34
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169	Anti-oxidative effect of mangiferin-chitosan nanoparticles on oxidative stress-induced renal cells. <b>2020</b> , 151, 36-46	8
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154	Direct microencapsulation of an annatto extract by precipitation of psyllium husk mucilage polysaccharides. <b>2021</b> , 112, 106333		2
153	Curcumin-loaded nanoMOFs@CMFP: A biological preserving paste with antibacterial properties and long-acting, controllable release. <i>Food Chemistry</i> , <b>2021</b> , 337, 127987	8.5	16
152	Preparation and characterization of zein/carboxymethyl dextrin nanoparticles to encapsulate curcumin: Physicochemical stability, antioxidant activity and controlled release properties. <i>Food Chemistry</i> , <b>2021</b> , 340, 127893	8.5	71
151	Fabrication of pea protein-curcumin nanocomplexes via microfluidization for improved solubility, nano-dispersibility and heat stability of curcumin: Insight on interaction mechanisms. <b>2021</b> , 168, 686-694		3
150	In vitro and in vivo evaluation of cnicin from blessed thistle ( <i>Centaurea benedicta</i> ) and its inclusion complexes with cyclodextrins against <i>Schistosoma mansoni</i> . <b>2021</b> , 120, 1321-1333		5
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147	Effect of sophorolipid on the curcumin-loaded ternary composite nanoparticles self-assembled from zein and chondroitin sulfate. <b>2021</b> , 113, 106493		19
146	Electrospun poly (vinyl alcohol) nanofibers incorporating caffeic acid/cyclodextrins through the supramolecular assembly for antibacterial activity. <b>2021</b> , 249, 119308		6
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144	Coloration and Chromatic Sensing Behavior of Electrospun Cellulose Fibers with Curcumin. <b>2021</b> , 11,		10
143	Construction and characterization of L. polyphenols nanoparticles based on bovine serum albumin and polysaccharides, and their gastrointestinal digestion and colonic fermentation. <b>2021</b> , 12, 10397-10410		2
142	Curcumin Encapsulated in Crosslinked Cyclodextrin Nanoparticles Enables Immediate Inhibition of Cell Growth and Efficient Killing of Cancer Cells. <b>2021</b> , 11,		4
141	An efficient approach for development and optimisation of curcumin-loaded solid lipid nanoparticles' patch for transdermal delivery. <b>2021</b> , 38, 233-248		6
140	Three-Dimensional Printing of Curcumin-Loaded Biodegradable and Flexible Scaffold for Intracranial Therapy of Glioblastoma Multiforme. <b>2021</b> , 13,		6
139	Visible light-curable water-soluble chitosan derivative, chitosan hydrogel, and preparation method: a patent evaluation of US2019202998A1. <b>2021</b> , 31, 351-360		0
138	Solubility of Piperine and Its Inclusion Complexes in Biorelevant Media and Their Effect on Attenuating Mouse Ileum Contractions. <b>2021</b> , 6, 6953-6964		0

137	Simultaneous isolation and selective encapsulation of volatile compounds from essential oil during electrospinning of $\beta$ -Cyclodextrin. <b>2021</b> , 258, 117673	10
136	Optimally controlled morphology and physico-mechanical properties of inclusion complex loaded electrospun polyvinyl alcohol based nanofibrous mats for therapeutic applications. <b>2021</b> , 32, 1182-1202	8
135	Development of sorbic acid microcapsules and application in starch-poly (butylene adipate co-terephthalate) films. <b>2021</b> , 45, e15459	1
134	Thermosensitive Cotton Textile Loaded with Cyclodextrin-complexed Curcumin as a Wound Dressing. <b>2021</b> , 22, 2475-2482	0
133	Effect of Curcumin-Hydroxypropyl-(beta)-Cyclodextrin Complex and the Complex Loaded Gelatin Carrageenan Microparticles on the Various Chemical and Biological Properties. <b>2021</b> , 1	
132	Encapsulation of curcumin using fucoidan stabilized zein nanoparticles: Preparation, characterization, and in vitro release performance. <b>2021</b> , 329, 115586	16
131	Physicomechanical performance and encapsulation efficiency of $\beta$ -cyclodextrin loaded functional electrospun mats based on aliphatic polyesters and their blends. <b>2021</b> , 32, 1489-1513	8
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128	Curcumin-Loaded Micelles Dispersed in Ureasil-Polyether Materials for a Novel Sustained-Release Formulation. <b>2021</b> , 13,	3
127	Molecular Structure of Cefuroxime Axetil Complexes with $\beta$ -CD and 2-Hydroxypropyl- $\beta$ -Cyclodextrins: Molecular Simulations and Raman Spectroscopic and Imaging Studies. <b>2021</b> , 22,	6
126	A supramolecular complex of hydrazide-pillar[5]arene and bisdemethoxycurcumin with potential anti-cancer activity. <b>2021</b> , 110, 104764	7
125	Designing active mats based on cellulose acetate/polycaprolactone core/shell structures with different release kinetics. <b>2021</b> , 261, 117849	6
124	Microencapsulation of curcumin using coconut milk whey and Gum Arabic. <b>2021</b> , 298, 110502	5
123	Development of an LC-MS/MS method for simultaneous quantitative analysis of macromolecular pharmaceutical adjuvant 2-hydroxypropyl- $\beta$ -cyclodextrin and active pharmaceutical ingredients butylphthalide in rat plasma. <b>2021</b> , 44, 2680-2692	0
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121	Fabrication of optimally controlled electrospayed polymer-free nano-particles of curcumin/ $\beta$ -cyclodextrin inclusion complex. <b>2021</b> , 618, 126504	12
120	Novel $\beta$ -cyclodextrin-metal-organic frameworks for encapsulation of curcumin with improved loading capacity, physicochemical stability and controlled release properties. <i>Food Chemistry</i> , <b>2021</b> , 347, 128978	8.5 14

119	Curcumin encapsulation in nanostructures for cancer therapy: A 10-year overview. <i>International Journal of Pharmaceutics</i> , <b>2021</b> , 604, 120534	6.5	11
118	Host-guest inclusion complex of quinoxaline-1,4-dioxide derivative with 2-hydroxypropyl-β-cyclodextrin: Preparation, characterization, and antibacterial activity. <b>2021</b> , 1235, 130273		1
117	Colloidal and vesicular delivery system for herbal bioactive constituents. <b>2021</b> , 29, 415-438		2
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115	A pH-sensitive curcumin loaded microemulsion-filled alginate and porous starch composite gels: Characterization, in vitro release kinetics and biological activity. <b>2021</b> , 182, 1863-1873		8
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111	Enhancing In Vitro Bioavailability of Berberine by Incorporation of Beta-γ-cyclodextrin Complex into Solid Dispersion System. <b>2022</b> , 301-314		
110	Beta-carotene/cyclodextrin-based inclusion complex: improved loading, solubility, stability, and cytotoxicity. 1		5
109	Cyclodextrin-based nano-carrier for intelligent delivery of dopamine in a self-healable anti-corrosion coating. <b>2021</b> , 9, 105457		3
108	Novel supramolecular self-healing silk fibroin-based hydrogel via host-guest interaction as wound dressing to enhance wound healing. <b>2021</b> , 417, 128278		35
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106	Essential oil characterization of Ocimum basilicum and Syzygium aromaticum free and complexed with β-cyclodextrin. Determination of its antioxidant, antimicrobial, and antitumoral activities. 1		3
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104	Preparation and photodynamic bactericidal effects of curcumin-β-cyclodextrin complex. <i>Food Chemistry</i> , <b>2021</b> , 361, 130117	8.5	7
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93	Development and Optimization of Dispersible Tablet of with Improved Functionality for Memory Enhancement. <b>2017</b> , 9, 208-215	3
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91	Food Applications of Cyclodextrins. <b>2021</b> , 201-238	1
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82	Application of $\beta$ CD/HA composite as a potential SD carrier to improve the dissolution of curcumin. <b>2019</b> , 14, 353-358		
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78	Reparation of an Inflamed Air-Liquid Interface Cultured A549 Cells with Nebulized Nanocurcumin. <b>2021</b> , 13,		1
77	Evaluation and Characterization of Curcumin- $\beta$ Cyclodextrin and Cyclodextrin-Based Nanosponge Inclusion Complexation. <b>2021</b> , 13,		4
76	Inspiring biomimetic system based on red blood cell membrane vesicles for effective curcumin loading and release.. <i>International Journal of Pharmaceutics</i> , <b>2021</b> , 121419	6.5	0
75	Encapsulation, protection, and delivery of curcumin using succinylated-cyclodextrin systems with strong resistance to environmental and physiological stimuli.. <i>Food Chemistry</i> , <b>2021</b> , 376, 131869	8.5	2
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73	Nutraceutical and phytopharmaceuticals in immune health. <b>2022</b> , 445-475		
72	Comprehensive properties of photodynamic antibacterial film based on $\beta$ Carrageenan and curcumin- $\beta$ cyclodextrin complex.. <b>2022</b> , 282, 119112		2
71	Effects of wound dressing based on the combination of silver@curcumin nanoparticles and electrospun chitosan nanofibers on wound healing.. <b>2022</b> , 13, 4328-4339		7
70	Chitosan-curcumin complexation to develop functionalized nanosystems with enhanced antimicrobial activity against hetero-resistant gastric pathogen.. <b>2022</b> ,		1
69	Mono-Dendronized $\beta$ Cyclodextrin Derivatives as Multitasking Containers for Curcumin. Impacting Its Solubility, Loading, and Tautomeric Form.. <b>2022</b> ,		
68	Double-layer indicator films aided by BP-ANN-enabled freshness detection on packaged meat products. <b>2022</b> , 31, 100808		0
67	Delineating the behavior of Berberis anthocyanin/ $\beta$ cyclodextrin inclusion complex in vitro: A molecular dynamics approach. <b>2022</b> , 157, 113090		1
66	Controlled release and antibacterial properties of PEO/casein nanofibers loaded with Thymol/ $\beta$ cyclodextrin inclusion complexes in beef preservation.. <i>Food Chemistry</i> , <b>2022</b> , 382, 132369	8.5	1

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64	Self-oxygenation mesoporous MnO nanoparticles with ultra-high drug loading capacity for targeted arteriosclerosis therapy.. <b>2022</b> , 20, 88		1
63	Effect of $\beta$ -Cyclodextrin and surfactants on stability nanoemulsion system of medium chain triglyceride (MCT). <b>2022</b> ,		
62	Encapsulation of curcumin in soluble soybean polysaccharide-coated gliadin nanoparticles: Interaction, stability, antioxidant capacity, and bioaccessibility.. <b>2022</b> ,		1
61	Unraveling the effect of surfactant chain length on the binding interaction of curcumin with cationic and non-ionic micelles.		
60	Interaction mechanism of cholesterol/ $\beta$ -Cyclodextrin complexation by combined experimental and computational approaches. <b>2022</b> , 107725		0
59	Comparing deep eutectic solvents and cyclodextrin complexes as curcumin vehicles for blue-light antimicrobial photodynamic therapy approaches.. <b>2022</b> , 1		
58	$\beta$ -Cyclodextrin encapsulation of curcumin elicits an altered mode of angiogenin inhibition: In vitro and in vivo studies.. <b>2022</b> , 208, 654-666		1
57	Cyclodextrin-based metal-organic framework nanoparticles as superior carriers for curcumin: Study of encapsulation mechanism, solubility, release kinetics, and antioxidative stability.. <i>Food Chemistry</i> , <b>2022</b> , 383, 132605	8.5	3
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55	Application of $\beta$ -Cyclodextrin-lysozyme as host materials for encapsulation of curcumin: characterization, stability and controlled release properties.. <b>2022</b> ,		1
54	The structure and properties of functionalized cyclodextrins and complex compounds based on them. <b>2022</b> , 71, 430-442		
53	Application of mesoporous calcium silicate nanoparticles as a potential SD carrier to improve the solubility of curcumin. 1-9		3
52	An updated and comprehensive review on the potential health effects of curcumin-encapsulated micro/nanoparticles.. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2022</b> , 1-21	11.5	0
51	Comparative Study of Preparation, Evaluation, and Pharmacokinetics in Beagle Dogs of Curcumin $\beta$ -Cyclodextrin Inclusion Complex, Curcumin Solid Dispersion, and Curcumin Phospholipid Complex.. <i>Molecules</i> , <b>2022</b> , 27,	4.8	0
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41	L-Arginine-Derived Polyamidoamine Oligomers Bearing at Both Ends $\beta$ -Cyclodextrin Units as pH-Sensitive Curcumin Carriers. <b>2022</b> , 14, 3193		0
40	Delivery of curcumin by shellac encapsulation: Stability, bioaccessibility, freeze-dried redispersibility, and solubilization. <b>2022</b> , 15, 100431		1
39	$\beta$ -Carotene - 2-hydroxypropyl- $\beta$ -Cyclodextrin complexes coated with pectin. <b>2022</b> , 133, 107990		1
38	Inclusion complex formation between sulfadiazine and various modified $\beta$ -Cyclodextrins and characterization of the complexes. <b>2022</b> , 76, 103814		0
37	Alginate hydrogel with enhanced curcumin release through HPICD assisted host-guest interaction. <b>2022</b> , 141, 213130		2
36	Microencapsulation of curcumin by ionotropic gelation with surfactants: Characterization, release profile and antioxidant activity. <b>2022</b> , 76, 103812		0
35	Effect of dialysate type on ultrasound-assisted self-assembly Zein nanocomplexes: Fabrication, characterization, and physicochemical stability. <b>2022</b> , 111812		0
34	Curcumin and Capsaicin-Loaded Ag-Modified Mesoporous Silica Carriers: A New Alternative in Skin Treatment. <b>2022</b> , 12, 3075		0
33	Application of nanostructured delivery systems in food: From incorporation to detection and characterization. <b>2022</b> , 129, 111-125		0
32	Biophysical Evaluation of Water-Soluble Curcumin Encapsulated in $\beta$ -Cyclodextrins on Colorectal Cancer Cells. <b>2022</b> , 23, 12866		2
31	$\beta$ -Cyclodextrin-Based Nanosponges Inclusion Compounds Associated with Gold Nanorods for Potential NIR-II Drug Delivery. <b>2022</b> , 14, 2206		0
30	Bioactivity and cell imaging of antitumor fluorescent agents (curcumin derivatives) coated by two-way embedded cyclodextrin strategy.		0

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- 22 Encapsulation of (E)-N[1-(7-(diethylamino)-2-oxo-2H-chromen-3 yl)ethylidene]benzohydrazide (7-diEAHC) in β-cyclodextrins: Optimized synthesis of 7-diEAHC and in silico ADME profiling, physical stability, antioxidant properties of encapsulated 7-diEAHC and bioavailability in rats. **2023**, 5, 100681 0
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