

# Francesca Maestrelli

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

98 papers	3,388 citations	37 h-index	53 g-index
100 ext. papers	3,750 ext. citations	5.2 avg, IF	5.22 L-index

#	Paper	IF	Citations
98	Preparation and characterisation of liposomes encapsulating ketoprofen-cyclodextrin complexes for transdermal drug delivery. <i>International Journal of Pharmaceutics</i> , <b>2005</b> , 298, 55-67	6.5	154
97	Effect of preparation technique on the properties of liposomes encapsulating ketoprofen-cyclodextrin complexes aimed for transdermal delivery. <i>International Journal of Pharmaceutics</i> , <b>2006</b> , 312, 53-60	6.5	117
96	Development, characterization and in vivo evaluation of benzocaine-loaded liposomes. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2007</b> , 67, 86-95	5.7	116
95	A new drug nanocarrier consisting of chitosan and hydroxypropylcyclodextrin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2006</b> , 63, 79-86	5.7	103
94	Ternary systems of naproxen with hydroxypropyl-beta-cyclodextrin and aminoacids. <i>International Journal of Pharmaceutics</i> , <b>2003</b> , 260, 293-302	6.5	95
93	Comparative study of liposomes, transfersomes and ethosomes as carriers for improving topical delivery of celecoxib. <i>Drug Delivery</i> , <b>2012</b> , 19, 354-61	7	86
92	Development of enteric-coated calcium pectinate microspheres intended for colonic drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2008</b> , 69, 508-18	5.7	80
91	Sustained-release matrix tablets of metformin hydrochloride in combination with triacetyl-beta-cyclodextrin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2008</b> , 68, 303-9	5.7	77
90	Development and evaluation of an in vitro method for prediction of human drug absorption II. Demonstration of the method suitability. <i>European Journal of Pharmaceutical Sciences</i> , <b>2006</b> , 27, 354-62	5.1	77
89	Solid-state characterization and dissolution properties of naproxen-arginine-hydroxypropyl-beta-cyclodextrin ternary system. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2005</b> , 59, 99-106	5.7	74
88	Characterization of physicochemical properties of naproxen systems with amorphous beta-cyclodextrin-epichlorohydrin polymers. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2002</b> , 29, 1015-24	3.5	72
87	New "drug-in cyclodextrin-in deformable liposomes" formulations to improve the therapeutic efficacy of local anaesthetics. <i>International Journal of Pharmaceutics</i> , <b>2010</b> , 395, 222-31	6.5	71
86	Development and characterization of naproxen-chitosan solid systems with improved drug dissolution properties. <i>European Journal of Pharmaceutical Sciences</i> , <b>2003</b> , 19, 67-75	5.1	71
85	Analysis of triclosan inclusion complexes with cyclodextrin and its water-soluble polymeric derivative. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2011</b> , 54, 1030-9	3.5	63
84	Development and evaluation of glyburide fast dissolving tablets using solid dispersion technique. <i>Drug Development and Industrial Pharmacy</i> , <b>2004</b> , 30, 525-34	3.6	63
83	Development of solid lipid nanoparticles as carriers for improving oral bioavailability of glibenclamide. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2016</b> , 102, 41-50	5.7	60
82	Effect of preparation technique on the properties and in vivo efficacy of benzocaine-loaded ethosomes. <i>Journal of Liposome Research</i> , <b>2009</b> , 19, 253-60	6.1	56

81	Influence of chitosan and its glutamate and hydrochloride salts on naproxen dissolution rate and permeation across Caco-2 cells. <i>International Journal of Pharmaceutics</i> , <b>2004</b> , 271, 257-67	6.5	54
80	Preparation and solid-state characterization of bupivacaine hydrochloride cyclodextrin complexes aimed for buccal delivery. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2010</b> , 52, 9-18	3.5	53
79	Simultaneous effect of cyclodextrin complexation, pH, and hydrophilic polymers on naproxen solubilization. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2006</b> , 42, 126-31	3.5	52
78	Microspheres for colonic delivery of ketoprofen-hydroxypropyl-beta-cyclodextrin complex. <i>European Journal of Pharmaceutical Sciences</i> , <b>2008</b> , 34, 1-11	5.1	51
77	Design, characterization and in vivo evaluation of nanostructured lipid carriers (NLC) as a new drug delivery system for hydrochlorothiazide oral administration in pediatric therapy. <i>Drug Delivery</i> , <b>2018</b> , 25, 1910-1921	7	51
76	Influence of formulation and process variables on in vitro release of theophylline from directly-compressed Eudragit matrix tablets. <i>Il Farmaco</i> , <b>2005</b> , 60, 913-8		50
75	Comparison of the effect of chitosan and polyvinylpyrrolidone on dissolution properties and analgesic effect of naproxen. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2004</b> , 57, 93-9	5.7	49
74	Development of enteric-coated pectin-based matrix tablets for colonic delivery of theophylline. <i>Journal of Drug Targeting</i> , <b>2003</b> , 11, 365-71	5.4	46
73	Study of formulation variables influencing the drug release rate from matrix tablets by experimental design. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2006</b> , 62, 77-84	5.7	45
72	Development of mucoadhesive films for buccal administration of flufenamic acid: Effect of cyclodextrin complexation. <i>Journal of Pharmaceutical Sciences</i> , <b>2010</b> , 99, 3019-29	3.9	42
71	Optimization of glibenclamide tablet composition through the combined use of differential scanning calorimetry and D-optimal mixture experimental design. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2005</b> , 37, 65-71	3.5	42
70	Characterization and dissolution properties of ketoprofen in binary and ternary solid dispersions with polyethylene glycol and surfactants. <i>Drug Development and Industrial Pharmacy</i> , <b>2005</b> , 31, 425-34	3.6	41
69	Influence of cyclodextrins and chitosan, separately or in combination, on glyburide solubility and permeability. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2006</b> , 62, 241-6	5.7	41
68	Improvement of oxaprozin solubility and permeability by the combined use of cyclodextrin, chitosan, and bile components. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2011</b> , 78, 385-93	5.7	40
67	Evaluation of supercritical fluid technology as preparative technique of benzocaine-cyclodextrin complexes--comparison with conventional methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2007</b> , 43, 566-74	3.5	40
66	Propolis wax nanostructured lipid carrier for delivery of $\beta$ -sitosterol: Effect of formulation variables on physicochemical properties. <i>Food Chemistry</i> , <b>2018</b> , 260, 97-105	8.5	39
65	Determination of stability constant values of flurbiprofen-cyclodextrin complexes using different techniques. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2005</b> , 37, 995-1002	3.5	39
64	Physical-chemical characterization of binary systems of metformin hydrochloride with triacetyl-beta-cyclodextrin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2007</b> , 45, 480-6	3.5	38

63	Comparison of liposomal and NLC (nanostructured lipid carrier) formulations for improving the transdermal delivery of oxaprozin: Effect of cyclodextrin complexation. <i>International Journal of Pharmaceutics</i> , <b>2016</b> , 515, 684-691	6.5	37
62	Interaction of naproxen with ionic cyclodextrins in aqueous solution and in the solid state. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2005</b> , 37, 987-94	3.5	37
61	Development of fast-dissolving tablets of flurbiprofen-cyclodextrin complexes. <i>Drug Development and Industrial Pharmacy</i> , <b>2005</b> , 31, 697-707	3.6	36
60	Physico-chemical characterization in solution and in the solid state of clonazepam complexes with native and chemically-modified cyclodextrins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 89, 142-9	3.5	35
59	In vitro release of sodium diclofenac from a central core matrix tablet aimed for colonic drug delivery. <i>European Journal of Pharmaceutical Sciences</i> , <b>2003</b> , 20, 125-31	5.1	35
58	Development of liposomal and microemulsion formulations for transdermal delivery of clonazepam: effect of randomly methylated $\beta$ -cyclodextrin. <i>International Journal of Pharmaceutics</i> , <b>2014</b> , 475, 306-14	6.5	34
57	Liposomal formulations of prilocaine: effect of complexation with hydroxypropyl- $\beta$ -cyclodextrin on drug anesthetic efficacy. <i>Journal of Liposome Research</i> , <b>2010</b> , 20, 315-22	6.1	33
56	Comparative study of oxaprozin complexation with natural and chemically-modified cyclodextrins in solution and in the solid state. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2009</b> , 63, 17-25		33
55	Development and evaluation of an in vitro method for prediction of human drug absorption I. Assessment of artificial membrane composition. <i>European Journal of Pharmaceutical Sciences</i> , <b>2006</b> , 27, 346-53	5.1	32
54	Formulation and characterization of triclosan sub-micron emulsions and nanocapsules. <i>Journal of Microencapsulation</i> , <b>2004</b> , 21, 857-64	3.4	31
53	Development and in vivo evaluation of an innovative "Hydrochlorothiazide-in Cyclodextrins-in Solid Lipid Nanoparticles" formulation with sustained release and enhanced oral bioavailability for potential hypertension treatment in pediatrics. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 521, 73-83	6.5	30
52	Comparative study of ibuprofen complexation with amorphous beta-cyclodextrin derivatives in solution and in the solid state. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2002</b> , 54, 181-91	5.7	30
51	Calcium alginate microspheres containing metformin hydrochloride niosomes and chitosomes aimed for oral therapy of type 2 diabetes mellitus. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 530, 430-439	6.5	29
50	Response surface methodology in the optimization of chitosan-Ca pectinate bead formulations. <i>European Journal of Pharmaceutical Sciences</i> , <b>2008</b> , 35, 318-25	5.1	29
49	Optimization of dissolution test precision for a ketoprofen oral extended-release product. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2003</b> , 32, 159-65	3.5	29
48	Influence of the preparation method on the physical-chemical properties of ketoprofen-cyclodextrin-phosphatidylcholine ternary systems. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2009</b> , 50, 690-4	3.5	28
47	Hybrid systems based on "drug - in cyclodextrin - in nanoclays" for improving oxaprozin dissolution properties. <i>International Journal of Pharmaceutics</i> , <b>2016</b> , 509, 8-15	6.5	26
46	Comparative evaluation of polymeric and waxy microspheres for combined colon delivery of ascorbic acid and ketoprofen. <i>International Journal of Pharmaceutics</i> , <b>2015</b> , 485, 365-73	6.5	26

45	Polymeric mucoadhesive tablets for topical or systemic buccal delivery of clonazepam: Effect of cyclodextrin complexation. <i>Carbohydrate Polymers</i> , <b>2016</b> , 152, 755-763	10.3	26
44	Analysis of physicochemical properties of ternary systems of oxaprozin with randomly methylated- $\beta$ -cyclodextrin and L-arginine aimed to improve the drug solubility. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 129, 350-358	3.5	25
43	Influence of cross-linking agent type and chitosan content on the performance of pectinate-chitosan beads aimed for colon-specific drug delivery. <i>Drug Development and Industrial Pharmacy</i> , <b>2012</b> , 38, 1142-51	3.6	24
42	Photostability studies on nicardipine-cyclodextrin complexes by capillary electrophoresis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2004</b> , 35, 267-75	3.5	24
41	Novel Findings about Double-Loaded Curcumin-in-HP $\beta$ -cyclodextrin-in Liposomes: Effects on the Lipid Bilayer and Drug Release. <i>Pharmaceutics</i> , <b>2018</b> , 10,	6.4	24
40	Development of low methoxy amidated pectin-based mucoadhesive patches for buccal delivery of triclosan: effect of cyclodextrin complexation. <i>Carbohydrate Polymers</i> , <b>2012</b> , 90, 1794-803	10.3	23
39	Optimization of formulation variables of benzocaine liposomes using experimental design. <i>Journal of Liposome Research</i> , <b>2008</b> , 18, 113-25	6.1	23
38	Fast-dissolving tablets of glyburide based on ternary solid dispersions with PEG 6000 and surfactants. <i>Drug Delivery</i> , <b>2007</b> , 14, 247-55	7	22
37	Native and polymeric $\beta$ -cyclodextrins in performance improvement of chitosan films aimed for buccal delivery of poorly soluble drugs. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2012</b> , 74, 87-97		21
36	Physical chemical characterization of binary systems of prilocaine hydrochloride with triacetyl- $\beta$ -cyclodextrin. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2010</b> , 68, 437-445		21
35	Characterization and microbiological evaluation of chitosan-alginate microspheres for cefixime vaginal administration. <i>Carbohydrate Polymers</i> , <b>2018</b> , 192, 176-183	10.3	20
34	Development of glyburide fast-dissolving tablets based on the combined use of cyclodextrins and polymers. <i>Drug Development and Industrial Pharmacy</i> , <b>2009</b> , 35, 73-82	3.6	20
33	Phase solubility, $^1\text{H}$ NMR and molecular modelling studies of bupivacaine hydrochloride complexation with different cyclodextrin derivatives. <i>Chemical Physics Letters</i> , <b>2010</b> , 500, 347-354	2.5	20
32	Solid-state characterization of glyburide-cyclodextrin co-ground products. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2004</b> , 77, 413-422	4.1	19
31	Development of a new delivery system consisting in drug-in cyclodextrin-in PLGA nanoparticlesV <i>Journal of Microencapsulation</i> , <b>2010</b> , 27, 479-86	3.4	18
30	Physical-chemical characterization of binary and ternary systems of ketoprofen with cyclodextrins and phospholipids. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2009</b> , 50, 683-9	3.5	18
29	Dissolution and permeation properties of naproxen from solid-state systems with chitosan. <i>Drug Delivery</i> , <b>2008</b> , 15, 303-12	7	16
28	The influence of chitosan on cyclodextrin complexing and solubilizing abilities towards drugs. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2007</b> , 59, 307-313		16

27	Advanced formulations for improving therapies with anti-inflammatory or anaesthetic drugs: A review. <i>Journal of Drug Delivery Science and Technology</i> , <b>2016</b> , 32, 192-205	4.5	14
26	Characterization and evaluation of different mesoporous silica kinds as carriers for the development of effective oral dosage forms of glibenclamide. <i>International Journal of Pharmaceutics</i> , <b>2019</b> , 563, 43-52	6.5	14
25	Cyclodextrin complexes of sulfonamide carbonic anhydrase inhibitors as long-lasting topically acting antiglaucoma agents. <i>Journal of Pharmaceutical Sciences</i> , <b>2002</b> , 91, 2211-9	3.9	13
24	Evaluation and Comparison of Solid Lipid Nanoparticles (SLNs) and Nanostructured Lipid Carriers (NLCs) as Vectors to Develop Hydrochlorothiazide Effective and Safe Pediatric Oral Liquid Formulations. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	13
23	Combined Approach of Cyclodextrin Complexation and Nanostructured Lipid Carriers for the Development of a Pediatric Liquid Oral Dosage Form of Hydrochlorothiazide. <i>Pharmaceutics</i> , <b>2018</b> , 10,	6.4	13
22	New docking CFF91 parameters specific for cyclodextrin inclusion complexes. <i>Chemical Physics Letters</i> , <b>2003</b> , 370, 280-292	2.5	11
21	Dual Carbonic Anhydrase IX/XII Inhibitors and Carbon Monoxide Releasing Molecules Modulate LPS-Mediated Inflammation in Mouse Macrophages. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	11
20	Development and microbiological evaluation of chitosan and chitosan-alginate microspheres for vaginal administration of metronidazole. <i>International Journal of Pharmaceutics</i> , <b>2021</b> , 598, 120375	6.5	10
19	Development of cyclodextrin hydrogels for vaginal delivery of dehydroepiandrosterone. <i>Journal of Pharmacy and Pharmacology</i> , <b>2016</b> , 68, 762-71	4.8	10
18	Development and characterization of fast dissolving tablets of oxaprozin based on hybrid systems of the drug with cyclodextrins and nanoclays. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 531, 640-649	6.5	8
17	β-sterol Lipid Nano Carrier Based on Propolis Wax and Pomegranate Seed Oil: Effect of Thermal Processing, pH, and Ionic Strength on Stability and Structure. <i>European Journal of Lipid Science and Technology</i> , <b>2019</b> , 121, 1800347	3	8
16	β-sterol Loaded Nanostructured Lipid Carrier: Physical and Oxidative Stability, In Vitro Simulated Digestion and Hypocholesterolemic Activity. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	7
15	Development of a Cyclodextrin-Based Mucoadhesive-Thermosensitive In Situ Gel for Clonazepam Intranasal Delivery. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	7
14	Combined use of bile acids and aminoacids to improve permeation properties of acyclovir. <i>International Journal of Pharmaceutics</i> , <b>2015</b> , 490, 351-9	6.5	6
13	A preliminary study for the development and optimization by experimental design of an in vitro method for prediction of drug buccal absorption. <i>International Journal of Pharmaceutics</i> , <b>2018</b> , 547, 530-536	6.5	6
12	Effect of preparation technique on the properties and in vivo efficacy of benzocaine-loaded ethosomes. <i>Journal of Liposome Research</i> , 1-8	6.1	6
11	The role of solid state properties on the dissolution performance of flufenamic acid. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 180, 113058	3.5	6
10	Tablets of "Hydrochlorothiazide in Cyclodextrin in Nanoclay": A New Nanohybrid System with Enhanced Dissolution Properties. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	5



9	Nanoencapsulation of propolis extract by sodium caseinate-maltodextrin complexes. <i>Food and Bioproducts Processing</i> , <b>2021</b> , 128, 177-185	4.9	5
8	Cyclodextrin Inclusion Complexes of Auranofin and Its Iodido Analog: A Chemical and Biological Study. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	3
7	Improvement of Butamben Anesthetic Efficacy by the Development of Deformable Liposomes Bearing the Drug as Cyclodextrin Complex. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	3
6	Multiple Roles of Chitosan in Mucosal Drug Delivery: An Updated Review. <i>Marine Drugs</i> , <b>2022</b> , 20, 335	6	3
5	Development of a stable oral pediatric solution of hydrochlorothiazide by the combined use of cyclodextrins and hydrophilic polymers. <i>International Journal of Pharmaceutics</i> , <b>2020</b> , 587, 119692	6.5	2
4	Niosomal Formulation of a Lipoyl-Carnosine Derivative Targeting TRPA1 Channels in Brain. <i>Pharmaceutics</i> , <b>2019</b> , 11,	6.4	2
3	Preparation, Characterization and Evaluation of the Anti-Inflammatory Activity of Epichlorohydrin- $\beta$ -Cyclodextrin/Curcumin Binary Systems Embedded in a Pluronic/Hyaluronate Hydrogel.. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
2	Role of Cyclodextrins and Drug Solid State Properties on Flufenamic Acid Dissolution Performance from Tablets.. <i>Pharmaceutics</i> , <b>2022</b> , 14,	6.4	1
1	Curcumin-in-Cyclodextrins-in-Liposomes: An Alternative for Osteoarthritis Treatment. <i>Proceedings (mdpi)</i> , <b>2021</b> , 78, 52	0.3	