Amit Kumar Nayak

List of Publications by Year in Descending Order

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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.

220 papers	5,665 citations	51 h-index	69 g-index
224 ext. papers	6,317 ext. citations	3.8 avg, IF	6.62 L-index

#	Paper	IF	Citations
220	Uses of chitosan in drug delivery **2022**, 139-162		
219	Antimicrobial uses of chitosan **2022**, 13-36		
218	Chitosan-based scaffolds in tissue engineering and regenerative medicine **2022**, 329-354		0
217	Tumor targeting strategies by chitosan-based nanocarriers **2022**, 163-188		1
216	Chitosan nanocomposites for biomedical applications **2022**, 111-138		2
215	Antioxidant potential of herbal polysaccharides: An overview on recent researches. *Sensors International*, **2022**, 3, 100158	6.1	6
214	Chitosan **2022**, 1-11		
213	Gellan gum (GG)-based IPN microbeads for sustained drug release. *Journal of Drug Delivery Science and Technology*, **2022**, 69, 103034	4.5	0
212	Biological macromolecules: sources, properties, and functions **2022**, 3-22		0
211	Biological macromolecules in drug delivery **2022**, 339-379		0
210	Introduction to herbal biomolecules **2022**, 1-19		
209	Chitosan-based nanoparticles in drug delivery **2022**, 55-82		1
208	Cross-linking of chitosan in drug delivery **2022**, 277-299		
207	Chitosan: source, chemistry, and properties **2022**, 1-22		2
206	Chitosan as mucoadhesive polymer in drug delivery **2022**, 225-246		0
205	Chitosan-based drug delivery systems in cancer therapeutics **2022**, 159-193		1
204	Graft copolymers of chitosan in drug delivery applications **2022**, 301-322		1

203	Chitosan as a responsive biopolymer in drug delivery **2022**, 389-410		1
202	Herbal biopolysaccharides in drug delivery **2022**, 613-642		1
201	Chitosan-based hydrogels in drug delivery **2022**, 361-387		0
200	Chitosan-based nanobiocomposites in drug delivery **2022**, 411-432		0
199	Chitosan in colon-targeted drug delivery **2022**, 107-132		0
198	Jackfruit Seed Starch-Based Composite Beads for Controlled Drug Release. *Advances in Material Research and Technology*, **2022**, 213-240	0.4	1
197	Borderline microscopic organism and lockdown impacted across the borders-global shakers. *Environmental Science and Pollution Research*, **2021**, 1	5.1	
196	Preparation and Evaluation of Silymarin-Loaded Solid Eutectic for Enhanced Anti-Inflammatory, Hepatoprotective Effect: - Prospect. *Oxidative Medicine and Cellular Longevity*, **2021**, 2021, 1818538	6.7	2
195	Drug delivery using interpenetrating polymeric networks of natural polymers: A recent update. *Journal of Drug Delivery Science and Technology*, **2021**, 66, 102915	4.5	4
194	Effect of hydrophilic polymer on solubility and taste masking of linezolid in multi-component cyclodextrin inclusion complex: Physicochemical characterization and molecular docking. *Journal of Drug Delivery Science and Technology*, **2021**, 66, 102876	4.5	0
193	Plant Polysaccharides in Pharmaceutical Applications. *Advanced Structured Materials*, **2021**, 93-125	0.6	2
192	Approaches for prevention and environmental management of novel COVID-19. *Environmental Science and Pollution Research*, **2021**, 28, 40311-40321	5.1	13
191	QbD-driven formulation development and evaluation of topical hydrogel containing ketoconazole loaded cubosomes. *Materials Science and Engineering C*, **2021**, 119, 111548	8.3	22
190	Ionically Gelled Pectinates in Drug Delivery. *Gels Horizons: From Science To Smart Materials*, **2021**, 1-28		
189	Gellan gum-based nanomaterials in drug delivery applications **2021**, 313-336		2
188	Gum arabic-based nanomaterials in drug delivery and biomedical applications **2021**, 165-182		2
187	A scientometric review of hydrogel-based ocular drug delivery systems **2021**, 517-537		2
186	Process analytical technology (PAT) tools: Uses in pharmaceutical manufacturing **2021**, 243-259		

185	Hydroxyapatite-based composites for orthopedic drug delivery and tissue engineering **2021**, 293-320		1
184	Design and release kinetics of liposomes containing abiraterone acetate for treatment of prostate cancer. *Sensors International*, **2021**, 2, 100077	6.1	4
183	Polysaccharide-based polymeric gels as drug delivery vehicles **2021**, 283-325		1
182	Preparation and evaluation of solid self-microemulsifying drug delivery system of eprosartan mesylate using vegetable oils. *Journal of Drug Delivery Science and Technology*, **2021**, 66, 102771	4.5	
181	Biomedical Nanocomposites. *Materials Horizons*, **2021**, 35-69	0.6	2
180	Natural polymers as useful pharmaceutical excipients **2021**, 1-44		3
179	Curdlan-based nanomaterials in drug delivery applications **2021**, 253-273		3
178	Molecular insights and novel approaches for targeting tumor metastasis. *International Journal of Pharmaceutics*, **2020**, 585, 119556	6.5	33
177	Gum-based hydrogels in drug delivery **2020**, 605-645		7
176	Preparation and evaluation of aceclofenac dental pastes using dillenia fruit gum for periodontitis treatment. *SN Applied Sciences*, **2020**, 2, 1	1.8	18
175	Uses of tailored polysaccharides in dentistry **2020**, 287-304		2
174	Carbon Nanotubes: An Emerging Drug Delivery Carrier in Cancer Therapeutics. *Current Drug Delivery*, **2020**, 17, 558-576	3.2	20
173	Formulation and ex vivo skin permeation of lidocaine HCl topical gels using dillenia (Dillenia indica L.) fruit gum. *Revista Mexicana De Ingeniera Quimica*, **2020**, 19, 1465-1476	1.8	22
172	In silico molecular docking of Vetiver oil and formulation of Vetiver oil-Encapsulated gellan gum-based Microcapsules for Antidepressant activity. *Research Journal of Pharmacy and Technology* , **2020**, 13, 3135	1.7	2
171	Biomedical applications of polysaccharides **2020**, 1-34		2
170	Polysaccharide-based polyelectrolyte complex systems for biomedical uses **2020**, 151-174		2
169	Atenolol-releasing buccal patches made of Dillenia indica L. fruit gum: preparation and ex vivo evaluations. *SN Applied Sciences*, **2020**, 2, 1	1.8	20
168	Global impacts of pre- and post-COVID-19 pandemic: Focus on socio-economic consequences. *Sensors International*, **2020**, 1, 100042	6.1	23

167	Type II diabetes mellitus: a review on recent drug based therapeutics. *Biomedicine and Pharmacotherapy*, **2020**, 131, 110708	7.5	75
166	Bactericidal activity of silver nanoparticles: A mechanistic review. *Materials Science for Energy Technologies*, **2020**, 3, 756-769	5.2	53
165	Biopolymers for Drug Delivery. *Advances in Material Research and Technology*, **2020**, 1-29	0.4	0
164	Applications of biomass-derived materials for energy production, conversion, and storage. *Materials Science for Energy Technologies*, **2020**, 3, 905-920	5.2	10
163	Biocomposites of Alginates in Drug Delivery **2020**, 153-185		5
162	Alginates: sources, structure, and properties **2020**, 1-17		6
161	Alginates as drug delivery excipients **2020**, 19-39		11
160	Alginate-based hydrogels for drug delivery applications **2020**, 41-70		7
159	Grafted alginates in drug delivery **2020**, 71-100		5
158	Alginate-based interpenetrating polymer networks for sustained drug release **2020**, 101-128		7
157	Alginate nanoparticles in drug delivery **2020**, 129-152		18
156	Alginate□montmorillonite composite systems as sustained drug delivery carriers **2020**, 187-201		3
155	Ionotropically gelled alginate particles in sustained drug release **2020**, 203-230		6
154	Inorganic materials□lginate composites in drug delivery **2020**, 231-256		4
153	Polyelectrolyte complexes of alginate for controlling drug release **2020**, 297-321		10
152	Alginate-based hydrogel systems for drug releasing in wound healing **2020**, 323-358		14
151	Alginate-based scaffolds for drug delivery in tissue engineering **2020**, 359-386		5
150	Use of alginates for drug delivery in dentistry **2020**, 387-404		13

149	Particulate matrices of ionotropically gelled alginate- and plant-derived starches for sustained drug release **2020**, 257-295		4
148	Crystal Growth and Kinetic Behaviour of Assisted Biosynthesized Gold Nanoparticles. *Oxidative Medicine and Cellular Longevity*, **2020**, 2020, 6501294	6.7	0
147	Development and optimization of besifloxacin hydrochloride loaded liposomal gel prepared by thin film hydration method using 32 full factorial design. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 585, 124071	5.1	22
146	Stimuli-responsive carbon nanotubes for targeted drug delivery **2019**, 321-344		12
145	Recent progress in responsive polymer-based drug delivery systems **2019**, 569-595		6
144	Sterculia Gum Based Multiple Units for Oral Drug Delivery. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 67-82	0.4	11
143	Bone-implantable devices for drug delivery applications **2019**, 355-392		4
142	Iontophoretic drug delivery systems **2019**, 393-420		2
141	In situ polysaccharide-based gels for topical drug delivery applications **2019**, 615-638		5
140	Biopolymers-based gastroretentive buoyant systems for therapeutic management of Helicobacter pylori infection **2019**, 713-736		5
139	Background: Multiple Units in Oral Drug Delivery. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 1-17	0.4	4
138	Fenugreek Seed Mucilage Based Multiple Units for Oral Drug Delivery. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 93-112	0.4	9
137	Voriconazole loaded nanostructured lipid carriers based topical delivery system: QbD based designing, characterization, in-vitro and ex-vivo evaluation. *Journal of Drug Delivery Science and Technology*, **2019**, 52, 303-315	4.5	59
136	Gum Arabic Based Multiple Units for Oral Drug Delivery. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 25-30	0.4	9
135	Linseed Polysaccharide Based Multiple Units for Oral Drug Delivery. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 117-121	0.4	9
134	Quality by Design Approach for Development of Multiparticulate Drug Delivery Systems **2019**, 351-365		4
133	Application of Quality by Design for the Development of Biopharmaceuticals **2019**, 399-411		9
132	Plant Polysaccharides-Based Multiple-Unit Systems for Oral Drug Delivery. *SpringerBriefs in Applied Sciences and Technology*, **2019**,	0.4	6

131	Okra Gum Based Multiple Units for Oral Drug Delivery. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 83-92	0.4	9
130	Some Other Plant Polysaccharide Based Multiple Units for Oral Drug Delivery. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 123-128	0.4	10
129	Plant Polysaccharides in Drug Delivery Applications. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 19-23	0.4	13
128	Tamarind Polysaccharide Based Multiple Units for Oral Drug Delivery. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 31-59	0.4	10
127	Potato Starch Based Multiple Units for Oral Drug Delivery. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 113-116	0.4	10
126	Natural polysaccharides **2019**, 1-14		5
125	Gellan gum in drug delivery applications **2019**, 145-186		16
124	Cashew gum in drug delivery applications **2019**, 263-283		9
123	Tamarind gum in drug delivery applications **2019**, 285-306		9
122	Gum odina as pharmaceutical excipient **2019**, 327-337		6
121	MODIFICATION OF GUMS BY PERIODATE OXIDATION: A NATURAL CROSS-LINKER. *International Journal of Pharmacy and Pharmaceutical Sciences*, **2019**, 1-6	0.3	10
120	Natural polysaccharides in tissue engineering applications **2019**, 531-548		15
119	Sterculia gum in drug delivery applications **2019**, 223-247		8
118	Locust Bean Gum Based Multiple Units for Oral Drug Delivery. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 61-66	0.4	7
117	Carbon Nanotubes for Targeted Drug Delivery. *SpringerBriefs in Applied Sciences and Technology*, **2019**,	0.4	6
116	Stability indicating liquid chromatographic method for simultaneous quantification of betamethasone valerate and tazarotene in in vitro and ex vivo studies of complex nanoformulation. *Journal of Separation Science*, **2019**, 42, 3413-3420	3.4	16
115	Hydroxyapatite-Alginate Composites in Drug Delivery **2019**, 483-504		5
114	Pharmaceutical Applications of Tamarind Gum **2019**, 1-20		4

113	Pharmaceutical Applications of Locust Bean Gum **2019**, 139-162		2
112	Pharmaceutical Applications of Fenugreek Seed Gum **2019**, 203-226		2
111	Marine-Derived Polysaccharides: Pharmaceutical Applications **2019**, 1-36		5
110	Pharmaceutical Applications of Alginates **2019**, 37-70		3
109	Hyaluronic Acid (Hyaluronan): Pharmaceutical Applications **2019**, 1-32		4
108	Pharmaceutical Applications of Chondroitin **2019**, 117-131		1
107	Hydroxyapatite-alginate Based Matrices for Drug Delivery. *Current Pharmaceutical Design*, **2019**, 25, 3406-3416	3.3	19
106	Preparation and characterization of vetiver oil encapsulated polymeric microcapsules for sedative and hypnotic activity. *International Journal of Research in Pharmaceutical Sciences*, **2019**, 10, 3616-3625	1.9	10
105	Cellulose-Based Hydrogels: Present and Future **2019**, 285-332		11
104	Background: Carbon Nanotubes for Targeted Drug Delivery. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 1-9	0.4	2
103	Carbon Nanotubes as Quantum Dots for Therapeutic Purpose. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 59-64	0.4	3
102	Absorption and Transportation of Carbon Nanotubes. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 65-68	0.4	2
101	Carbon Nanotubes in Vaccine Delivery. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 69-73	0.4	5
100	Carbon Nanotubes in Gene Delivery. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 75-87	0.4	4
99	Toxicity Consideration of Carbon Nanotubes. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 89-101	0.4	1
98	Regulatory Considerations of Carbon Nanotubes. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 103-106	0.4	3
97	Classification of Carbon Nanotubes. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 11-15	0.4	3
96	Synthesis of Carbon Nanotubes. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 17-20	0.4	2

95	Functionalization of Carbon Nanotubes. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 21-28	0.4	4
94	Characterization of Carbon Nanotubes. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 29-31	0.4	1
93	Applications of Carbon Nanotubes. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 33-36	0.4	5
92	Targeted Delivery with Carbon Nanotubes. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 37-50	0.4	4
91	Carbon Nanotubes in Controlled Drug Delivery. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 51-54	0.4	2
90	CNTs in Solubility Enhancement. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 55-57	0.4	1
89	Purple heart plant leaves extract-mediated silver nanoparticle synthesis: Optimization by Box-Behnken design. *Materials Science and Engineering C*, **2019**, 99, 1105-1114	8.3	77
88	Calcium fluoride-based dental nanocomposites **2019**, 27-45		5
87	Dental pulp capping nanocomposites **2019**, 65-91		3
86	Hydroxyapatite composites for dentistry **2019**, 123-143		8
85	Degradation and failure of dental composite materials **2019**, 107-121		5
84	Interpenetrating Polymer Network Hydrogels of Chitosan: Applications in Controlling Drug Release. *Polymers and Polymeric Composites*, **2019**, 1727-1767	0.6	3
83	Biodegradable polymer matrix nanocomposites for bone tissue engineering **2019**, 1-37		19
82	Nanocomposite materials for prosthetic devices **2019**, 127-144		7
81	Nanocomposites for improved orthopedic and bone tissue engineering applications **2019**, 145-177		9
80	Soluble starch-blended Ca 2+ -Zn 2+ -alginate composites-based microparticles of aceclofenac: Formulation development and in vitro characterization. *Future Journal of Pharmaceutical Sciences*, **2018**, 4, 63-70	2.1	35
79	Gelled Microparticles/Beads of Sterculia Gum and Tamarind Gum for Sustained Drug Release. *Gels Horizons: From Science To Smart Materials*, **2018**, 361-414		8
78	Isolation and characterization of Linum usitatisimum polysaccharide to prepare mucoadhesive beads of diclofenac sodium. *International Journal of Biological Macromolecules*, **2018**, 116, 162-172	7.9	63

77	Development of lamivudine containing multiple emulsions stabilized by gum odina. *Future Journal of Pharmaceutical Sciences*, **2018**, 4, 71-79	2.1	30
76	Synthesis and Characterization of Graft Copolymers of Plant Polysaccharides **2018**, 1-62		10
75	Polysorbate 80 coated crosslinked chitosan nanoparticles of ropinirole hydrochloride for brain targeting. *Journal of Drug Delivery Science and Technology*, **2018**, 48, 21-29	4.5	75
74	Aceclofenac-Loaded Plantago ovata F. Husk Mucilage-Zn+2-Pectinate Controlled-Release Matrices. *Starch/Staerke*, **2018**, 70, 1700136	2.3	55
73	Functionalization of Tamarind Gum for Drug Delivery. *Springer Series on Polymer and Composite Materials*, **2018**, 25-56	0.9	8
72	Development and Validation of QbD-Driven Bioanalytical LC-MS/MS Method for the Quantification of Paracetamol and Diclofenac in Human Plasma. *Analytical Chemistry Letters*, **2018**, 8, 677-691	1	9
71	Interpenetrating Polymer Network Hydrogels of Chitosan: Applications in Controlling Drug Release. *Polymers and Polymeric Composites*, **2018**, 1-41	0.6	2
70	Extraction and characterization of cashew tree (Anacardium occidentale) gum; use in aceclofenac dental pastes. *International Journal of Biological Macromolecules*, **2018**, 116, 1074-1081	7.9	48
69	Chitosan as responsive polymer for drug delivery applications **2018**, 581-605		11
68	Transferosomal gel for transdermal delivery of risperidone: Formulation optimization and ex vivo permeation. *Journal of Drug Delivery Science and Technology*, **2017**, 38, 59-71	4.5	65
67	Natural Starches-Blended Ionotropically Gelled Microparticles/Beads for Sustained Drug Release **2017**, 527-559		7
66	Plant Polysaccharides Blended Ionotropically Gelled Alginate Multiple Unit Systems for Sustained Drug Release **2017**, 399-440		7
65	Chitosan-Hydroxypropyl Methylcellulose Matrices as Carriers for Hydrodynamically Balanced Capsules of Moxifloxacin HCl. *Current Drug Delivery*, **2017**, 14, 83-90	3.2	69
64	Tamarind Seed Polysaccharide: An Emerging Excipient for Pharmaceutical Use. *Indian Journal of Pharmaceutical Education and Research*, **2017**, 51, s136-s146	1.7	55
63	Tamarind Seed Polysaccharide-Based Multiple-Unit Systems for Sustained Drug Release **2016**, 469-491		3
62	Alginate-based bipolymeric-nanobioceramic composite matrices for sustained drug release. *International Journal of Biological Macromolecules*, **2016**, 83, 71-7	7.9	81
61	Sterculia Gum-Based Hydrogels for Drug Delivery Applications. *Springer Series on Polymer and Composite Materials*, **2016**, 105-151	0.9	33
60	Swelling and drug release behavior of metformin HCl-loaded tamarind seed polysaccharide-alginate beads. *International Journal of Biological Macromolecules*, **2016**, 82, 1023-7	7.9	89

59	Plant-Derived Polymers: Ionically Gelled Sustained Drug Release Systems **2016**, 6002-6017		6
58	Alginate gel-coated oil-entrapped alginate-tamarind gum-magnesium stearate buoyant beads of risperidone. *International Journal of Biological Macromolecules*, **2015**, 78, 102-11	7.9	73
57	Alginate-sterculia gum gel-coated oil-entrapped alginate beads for gastroretentive risperidone delivery. *Carbohydrate Polymers*, **2015**, 120, 74-84	10.3	91
56	Okra (Hibiscus esculentus) gum-alginate blend mucoadhesive beads for controlled glibenclamide release. *International Journal of Biological Macromolecules*, **2015**, 72, 1069-75	7.9	93
55	Pharmacokinetic evaluation of testosterone-loaded nanocapsules in rats. *International Journal of Biological Macromolecules*, **2015**, 72, 28-30	7.9	49
54	Alginates, Blends and Microspheres: Controlled Drug Delivery **2015**, 89-98		15
53	Alginate-okra gum blend beads of diclofenac sodium from aqueous template using ZnSO4 as a cross-linker. *International Journal of Biological Macromolecules*, **2015**, 79, 555-63	7.9	95
52	Mucoadhesive-floating zinc-pectinate-sterculia gum interpenetrating polymer network beads encapsulating ziprasidone HCl. *Carbohydrate Polymers*, **2015**, 131, 108-18	10.3	85
51	Screening of polysaccharides from tamarind, fenugreek and jackfruit seeds as pharmaceutical excipients. *International Journal of Biological Macromolecules*, **2015**, 79, 756-60	7.9	79
50	Novel alginate hydrogel core-shell systems for combination delivery of ranitidine HCl and aceclofenac. *International Journal of Biological Macromolecules*, **2015**, 74, 85-92	7.9	41
49	Development of calcium pectinate-tamarind seed polysaccharide mucoadhesive beads containing metformin HCl. *Carbohydrate Polymers*, **2014**, 101, 220-30	10.3	79
48	Trigonella foenum-graecum L. seed mucilage-gellan mucoadhesive beads for controlled release of metformin HCl. *Carbohydrate Polymers*, **2014**, 107, 31-40	10.3	68
47	Carbopol gel containing chitosan-egg albumin nanoparticles for transdermal aceclofenac delivery. *Colloids and Surfaces B: Biointerfaces*, **2014**, 114, 36-44	6	154
46	Zinc alginate-carboxymethyl cashew gum microbeads for prolonged drug release: development and optimization. *International Journal of Biological Macromolecules*, **2014**, 70, 506-15	7.9	89
45	Development of topical gel containing aceclofenac-crospovidone solid dispersion by Quality by Design (QbD) approach. *Chemical Engineering Research and Design*, **2014**, 92, 2095-2105	5.5	41
44	Floating capsules containing alginate-based beads of salbutamol sulfate: In vitro-in vivo evaluations. *International Journal of Biological Macromolecules*, **2014**, 64, 181-9	7.9	44
43	Artocarpus heterophyllus L. seed starch-blended gellan gum mucoadhesive beads of metformin HCl. *International Journal of Biological Macromolecules*, **2014**, 65, 329-39	7.9	60
42	Ispaghula mucilage-gellan mucoadhesive beads of metformin HCl: development by response surface methodology. *Carbohydrate Polymers*, **2014**, 107, 41-50	10.3	77

41	Tamarind seed polysaccharide-gellan mucoadhesive beads for controlled release of metformin HCl. *Carbohydrate Polymers*, **2014**, 103, 154-63	10.3	94
40	Development of pectinate-ispagula mucilage mucoadhesive beads of metformin HCl by central composite design. *International Journal of Biological Macromolecules*, **2014**, 66, 203-11	7.9	61
39	Candesartan cilexetil microemulsions for transdermal delivery: formulation, in-vitro skin permeation and stability assessment. *Current Drug Delivery*, **2014**, 11, 313-21	3.2	24
38	In situ cross-linked matrix tablets for sustained salbutamol sulfate release - formulation development by statistical optimization. *Polimery W Medycynie*, **2014**, 44, 221-30	1.1	3
37	Development, optimization, and evaluation of emulsion-gelled floating beads using natural polysaccharide-blend for controlled drug release. *Polymer Engineering and Science*, **2013**, 53, 238-250	2.3	52
36	Aceclofenac-loaded unsaturated esterified alginate/gellan gum microspheres: in vitro and in vivo assessment. *International Journal of Biological Macromolecules*, **2013**, 57, 129-37	7.9	84
35	Calcium pectinate-fenugreek seed mucilage mucoadhesive beads for controlled delivery of metformin HCl. *Carbohydrate Polymers*, **2013**, 96, 349-57	10.3	92
34	Formulation optimization and evaluation of jackfruit seed starch-alginate mucoadhesive beads of metformin HCl. *International Journal of Biological Macromolecules*, **2013**, 59, 264-72	7.9	84
33	Development of chitosan-based nanoparticles through inter-polymeric complexation for oral drug delivery. *Carbohydrate Polymers*, **2013**, 98, 870-6	10.3	93
32	Aceclofenac-loaded chitosan-tamarind seed polysaccharide interpenetrating polymeric network microparticles. *Colloids and Surfaces B: Biointerfaces*, **2013**, 105, 303-9	6	108
31	Topical gels of lidocaine HCl using cashew gum and Carbopol 940: preparation and in vitro skin permeation. *International Journal of Biological Macromolecules*, **2013**, 62, 514-7	7.9	75
30	Fenugreek seed mucilage-alginate mucoadhesive beads of metformin HCl: Design, optimization and evaluation. *International Journal of Biological Macromolecules*, **2013**, 54, 144-54	7.9	119
29	Gastroretentive hydrodynamically balanced systems of ofloxacin: In vitro evaluation. *Saudi Pharmaceutical Journal*, **2013**, 21, 113-7	4.4	24
28	Optimization of aceclofenac-loaded pectinate-poly(vinyl pyrrolidone) beads by response surface methodology. *International Journal of Biological Macromolecules*, **2013**, 62, 194-202	7.9	58
27	Blends of jackfruit seed starch-pectin in the development of mucoadhesive beads containing metformin HCl. *International Journal of Biological Macromolecules*, **2013**, 62, 137-45	7.9	65
26	Oil-entrapped sterculia gum-alginate buoyant systems of aceclofenac: development and in vitro evaluation. *Colloids and Surfaces B: Biointerfaces*, **2013**, 104, 268-75	6	72
25	Modified starch (cationized)□lginate beads containing aceclofenac: Formulation optimization using central composite design. *Starch/Staerke*, **2013**, 65, 603-612	2.3	67
24	Potato starch-blended alginate beads for prolonged release of tolbutamide: Development by statistical optimization and in vitro characterization. *Asian Journal of Pharmaceutics (discontinued)*, **2013**, 7, 43	0.5	55

23	Plantago ovata F. Mucilage-Alginate Mucoadhesive Beads for Controlled Release of Glibenclamide: Development, Optimization, and In Vitro-In Vivo Evaluation. *Journal of Pharmaceutics*, **2013**, 2013, 151035	2	14
22	Development and optimization of hydroxyapatite-ofloxacin implants for possible bone delivery in osteomyelitis treatment. *Current Drug Delivery*, **2013**, 10, 241-50	3.2	31
21	Development, optimization and in vitro-in vivo evaluation of pioglitazone- loaded jackfruit seed starch-alginate beads. *Current Drug Delivery*, **2013**, 10, 608-19	3.2	63
20	Formulation and statistical optimization of multiple-unit ibuprofen-loaded buoyant system using 23-factorial design. *Chemical Engineering Research and Design*, **2012**, 90, 1834-1846	5.5	69
19	Formulation, optimization and evaluation of transferosomal gel for transdermal insulin delivery. *Saudi Pharmaceutical Journal*, **2012**, 20, 355-63	4.4	157
18	Novel tamarind seed polysaccharide-alginate mucoadhesive microspheres for oral gliclazide delivery: in vitro-in vivo evaluation. *Drug Delivery*, **2012**, 19, 123-31	7	111
17	Development of cloxacillin loaded multiple-unit alginate-based floating system by emulsion-gelation method. *International Journal of Biological Macromolecules*, **2012**, 50, 138-47	7.9	100
16	Calcium alginate/gum Arabic beads containing glibenclamide: development and in vitro characterization. *International Journal of Biological Macromolecules*, **2012**, 51, 1070-8	7.9	149
15	Antimicrobial activity assessment of time-dependent release bilayer tablets of amoxicillin trihydrate. *Brazilian Journal of Pharmaceutical Sciences*, **2012**, 48, 265-272	1.8	14
14	Ondansetron HCl Microemulsions for Transdermal Delivery: Formulation and In Vitro Skin Permeation. *ISRN Pharmaceutics*, **2012**, 2012, 428396		7
13	Use of response surface methodology in the formulation and optimization of bisoprolol fumarate matrix tablets for sustained drug release. *ISRN Pharmaceutics*, **2012**, 2012, 730624		18
12	Ethyl Cellulose Microparticles Containing Metformin HCl by Emulsification-Solvent Evaporation Technique: Effect of Formulation Variables. *ISRN Polymer Science*, **2012**, 2012, 1-7		21
11	Development of pH-sensitive tamarind seed polysaccharide-alginate composite beads for controlled diclofenac sodium delivery using response surface methodology. *International Journal of Biological Macromolecules*, **2011**, 49, 784-93	7.9	191
10	Development, optimization, and anti-diabetic activity of gliclazide-loaded alginate-methyl cellulose mucoadhesive microcapsules. *AAPS PharmSciTech*, **2011**, 12, 1431-41	3.9	98
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