

# P K Dutta

## 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.

35  
papers

2,413  
citations

23  
h-index

36  
g-index

36  
ext. papers

2,791  
ext. citations

6.2  
avg, IF

5.55  
L-index

#	Paper	IF	Citations
35	Chitosan for Wound Healing in the Light of Skin Tissue Engineering and Stem Cell Research <b>2021</b> , 351-379		
34	Modified Chitosan Films/Coatings for Active Food Packaging. <i>Advances in Polymer Science</i> , <b>2021</b> , 203-232.	3	4
33	A systematic study on chitosan-liposome based systems for biomedical applications. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 160, 470-481	7.9	31
32	Thioglycolic acid modified chitosan: a template for in-situ synthesis of CdSe QDs for cell imaging. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2020</b> , 57, 711-724	2.2	2
31	Natural Antioxidant and Antimicrobial Agents from Agrowastes: An Emergent Need to Food Packaging. <i>Waste and Biomass Valorization</i> , <b>2020</b> , 11, 1905-1916	3.2	5
30	Preparation, physicochemical and biological evaluation of quercetin based chitosan-gelatin film for food packaging. <i>Carbohydrate Polymers</i> , <b>2020</b> , 227, 115348	10.3	115
29	Green synthesis, characterization and biological evaluation of chitin glucan based zinc oxide nanoparticles and its curcumin conjugation. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 156, 514-521	7.9	18
28	Methyl methacrylate modified chitosan: Synthesis, characterization and application in drug and gene delivery. <i>Carbohydrate Polymers</i> , <b>2019</b> , 211, 109-117	10.3	44
27	Chitosan grafted graphene oxide aerogel: Synthesis, characterization and carbon dioxide capture study. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 125, 300-306	7.9	64
26	Synthesis of chitin-glucan-aldehyde-quercetin conjugate and evaluation of anticancer and antioxidant activities. <i>Carbohydrate Polymers</i> , <b>2018</b> , 193, 99-107	10.3	42
25	Curcumin loaded chitin-glucan quercetin conjugate: Synthesis, characterization, antioxidant, in vitro release study, and anticancer activity. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 110, 234-244	7.9	23
24	Cu(II)-carboxymethyl chitosan-silane schiff base complex grafted on nano silica: Structural evolution, antibacterial performance and dye degradation ability. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 110, 215-226	7.9	43
23	Phenolic compounds based conjugates from dextran aldehyde and BSA: Preparation, characterization and evaluation of their anti-cancer efficacy for therapeutic applications. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 110, 425-436	7.9	19
22	Chitosan containing azo-based Schiff bases: thermal, antibacterial and birefringence properties for bio-optical devices. <i>RSC Advances</i> , <b>2016</b> , 6, 5575-5581	3.7	19
21	Antibacterial activity of diisocyanate-modified chitosan for biomedical applications. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 84, 349-53	7.9	56
20	Dibutylchitin nanoparticles as novel drug carrier. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 82, 1011-7	7.9	17
19	Self-assembling N-(9-Fluorenylmethoxycarbonyl)-l-Phenylalanine hydrogel as novel drug carrier. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 93, 1639-1646	7.9	23

18	Porous Chitosan Scaffolds: A Systematic Study for Choice of Crosslinker and Growth Factor Incorporation. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2015</b> , 64, 242-252 <sup>3</sup>		18
17	Chitosan silk-based three-dimensional scaffolds containing gentamicin-encapsulated calcium alginate beads for drug administration and blood compatibility. <i>Journal of Biomaterials Applications</i> , <b>2015</b> , 29, 1314-25	2.9	24
16	Chitosan-PVP-nano silver oxide wound dressing: in vitro and in vivo evaluation. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 73, 49-57	7.9	235
15	Chitosan Biopolymer Schiff Base: Preparation, Characterization, Optical, and Antibacterial Activity. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2014</b> , 63, 173-177	3	35
14	Evaluation of chitosan nano dressing for wound healing: characterization, in vitro and in vivo studies. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 57, 193-203	7.9	316
13	In vivo evaluation of chitosan-PVP-titanium dioxide nanocomposite as wound dressing material. <i>Carbohydrate Polymers</i> , <b>2013</b> , 95, 530-9	10.3	265
12	A new chitosan-thymine conjugate: synthesis, characterization and biological activity. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 50, 493-502	7.9	64
11	Progress in antimicrobial activities of chitin, chitosan and its oligosaccharides: a systematic study needs for food applications. <i>Food Science and Technology International</i> , <b>2012</b> , 18, 3-34	2.6	119
10	Preparation and properties of hybrid monodispersed magnetic $\gamma\text{-Fe}_2\text{O}_3$ based chitosan nanocomposite film for industrial and biomedical applications. <i>International Journal of Biological Macromolecules</i> , <b>2011</b> , 48, 170-6	7.9	61
9	A physico-chemical and biological study of novel chitosan-chloroquinoline derivative for biomedical applications. <i>International Journal of Biological Macromolecules</i> , <b>2011</b> , 49, 356-61	7.9	45
8	4-(Ethoxycarbonyl) phenyl-1-amino-oxobutanoic acid-chitosan complex as a new matrix for silver nanocomposite film: preparation, characterization and antibacterial activity. <i>International Journal of Biological Macromolecules</i> , <b>2011</b> , 49, 863-70	7.9	37
7	Chitosan-silver oxide nanocomposite film: Preparation and antimicrobial activity. <i>Bulletin of Materials Science</i> , <b>2011</b> , 34, 29-35	1.7	147
6	Preparation, Antibacterial and Physicochemical Behavior of Chitosan/Ofloxacin Complexes. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2010</b> , 59, 793-807	3	32
5	Chitosan Based Scaffolds by Lyophilization and sc.CO <sub>2</sub> Assisted Methods for Tissue Engineering Applications. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2010</b> , 47, 429-434	2.2	30
4	Spectroscopic and conformational study of chitosan acid salts. <i>Journal of Polymer Research</i> , <b>2009</b> , 16, 231-238	2.7	16
3	Preparation, circular dichroism induced helical conformation and optical property of chitosan acid salt complexes for biomedical applications. <i>International Journal of Biological Macromolecules</i> , <b>2009</b> , 45, 384-92	7.9	43
2	Physicochemical and bioactivity of cross-linked chitosan-PVA film for food packaging applications. <i>International Journal of Biological Macromolecules</i> , <b>2009</b> , 45, 372-6	7.9	312
1	Preparation and characterization of N-heterocyclic chitosan derivative based gels for biomedical applications. <i>International Journal of Biological Macromolecules</i> , <b>2009</b> , 45, 330-7	7.9	89

