

# Thandapani Gomathi

## 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.

42  
papers

1,438  
citations

23  
h-index

37  
g-index

48  
ext. papers

1,819  
ext. citations

5.3  
avg, IF

5.04  
L-index

#	Paper	IF	Citations
42	Preparation and characterization of nano chitosan for treatment wastewaters. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 57, 204-12	7.9	154
41	Removal of the heavy metal ion chromium(VI) using Chitosan and Alginate nanocomposites. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 104, 1459-1468	7.9	112
40	Green approach for synthesis of zinc oxide nanoparticles from <i>Andrographis paniculata</i> leaf extract and evaluation of their antioxidant, anti-diabetic, and anti-inflammatory activities. <i>Bioprocess and Biosystems Engineering</i> , <b>2018</b> , 41, 21-30	3.7	97
39	Batch adsorption and desorption studies on the removal of lead (II) from aqueous solution using nanochitosan/sodium alginate/microcrystalline cellulose beads. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 104, 1483-1494	7.9	66
38	Fabrication of letrozole formulation using chitosan nanoparticles through ionic gelation method. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 104, 1820-1832	7.9	65
37	Sorption studies on heavy metal removal using chitin/bentonite biocomposite. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 53, 67-71	7.9	65
36	Removal of toxic heavy metal lead (II) using chitosan oligosaccharide-graft-maleic anhydride/polyvinyl alcohol/silk fibroin composite. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 104, 1469-1482	7.9	60
35	Size optimization and in vitro biocompatibility studies of chitosan nanoparticles. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 104, 1794-1806	7.9	60
34	Removal of copper(II) from aqueous solution using nanochitosan/sodium alginate/microcrystalline cellulose beads. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 82, 440-52	7.9	56
33	FTIR, XRD and DSC studies of nanochitosan, cellulose acetate and polyethylene glycol blend ultrafiltration membranes. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 104, 1721-1729	7.9	49
32	Removal of Cr(VI) from aqueous solution using chitosan-g-poly(butyl acrylate)/silica gel nanocomposite. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 87, 545-54	7.9	49
31	Evaluation of anti-cholinesterase, antibacterial and cytotoxic activities of green synthesized silver nanoparticles using from <i>Millettia pinnata</i> flower extract. <i>Microbial Pathogenesis</i> , <b>2017</b> , 103, 123-128	3.8	48
30	Removal of Cu(II) and Ni(II) using cellulose extracted from sisal fiber and cellulose-g-acrylic acid copolymer. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 62, 59-65	7.9	48
29	Synthesis, characterization and pharmacological potential of green synthesized copper nanoparticles. <i>Bioprocess and Biosystems Engineering</i> , <b>2019</b> , 42, 1769-1777	3.7	47
28	Batch adsorption studies on surface tailored chitosan/orange peel hydrogel composite for the removal of Cr(VI) and Cu(II) ions from synthetic wastewater. <i>Chemosphere</i> , <b>2021</b> , 271, 129415	8.4	39
27	Sunitinib loaded chitosan nanoparticles formulation and its evaluation. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 82, 952-8	7.9	38
26	Adsorption and kinetic studies on the removal of chromium and copper onto Chitosan-g-maleic anhydride-g-ethylene dimethacrylate. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 104, 1578-1585 <sup>36</sup>	7.9	36

25	Sorption studies on Cr (VI) removal from aqueous solution using cellulose grafted with acrylonitrile monomer. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 66, 295-301	7.9	34
24	Biosynthesis and Biomedical Applications of Gold Nanoparticles Using Eclipta prostrata Leaf Extract. <i>Applied Sciences (Switzerland)</i> , <b>2016</b> , 6, 222	2.6	34
23	Comparative studies on the removal of heavy metals ions onto cross linked chitosan-g-acrylonitrile copolymer. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 67, 180-8	7.9	30
22	Studies on drug-polymer interaction, in vitro release and cytotoxicity from chitosan particles excipient. <i>International Journal of Pharmaceutics</i> , <b>2014</b> , 468, 214-22	6.5	27
21	Development of 3D scaffolds using nanochitosan/silk-fibroin/hyaluronic acid biomaterials for tissue engineering applications. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 120, 876-885	7.9	25
20	Yttrium Oxide Nanoparticle Synthesis: An Overview of Methods of Preparation and Biomedical Applications. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 2172	2.6	24
19	Current Use of Carbon-Based Materials for Biomedical Applications: A Prospective and Review. <i>Processes</i> , <b>2020</b> , 8, 355	2.9	23
18	Banana fiber Cellulose Nano Crystals grafted with butyl acrylate for heavy metal lead (II) removal. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 131, 461-472	7.9	22
17	Adsorptive removal of copper (II) and lead (II) using chitosan-g-maleic anhydride-g-methacrylic acid copolymer. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 104, 1495-1508	7.9	21
16	Nanotechnology for human food: Advances and perspective. <i>Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences</i> , <b>2017</b> , 10, 63-72	0.7	19
15	Sorption studies of lead (II) onto crosslinked and non crosslinked biopolymeric blends. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 59, 165-9	7.9	13
14	Toxic heavy metal cadmium removal using chitosan and polypropylene based fiber composite. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 164, 1809-1824	7.9	13
13	Adsorption Studies of Lead(II) from aqueous solution onto Nanochitosan /Polyurethane /Polypropylene glycol ternary blends. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 104, 1436-1448 <sup>12</sup>	7.9	12
12	Marine carbohydrates of wastewater treatment. <i>Advances in Food and Nutrition Research</i> , <b>2014</b> , 73, 103-113	4.3	12
11	Application of Chitin/Chitosan and Its Derivatives as Adsorbents, Coagulants, and Flocculants <b>2017</b> , 453-487		11
10	Nanochitosan/carboxymethyl cellulose/TiO <sub>2</sub> biocomposite for visible-light-induced photocatalytic degradation of crystal violet dye. <i>Environmental Research</i> , <b>2021</b> , 204, 112047	7.9	11
9	Adsorption of copper(II) and nickel(II) ions from aqueous solution using graft copolymer of cellulose extracted from the sisal fiber with acrylic acid monomer. <i>Composite Interfaces</i> , <b>2014</b> , 21, 75-86 <sup>2.3</sup>	2.3	7
8	Experimental analysis of binary and ternary polymer blends of nanochitosan. <i>Materials Today: Proceedings</i> , <b>2016</b> , 3, 2169-2177	1.4	3

7	Cadmium(II) ion removal from aqueous solution using chitosan oligosaccharide-based blend. <i>Polymer Bulletin</i> , <b>2021</b> , 78, 1109-1132	2.4	2
6	Removal of toxic heavy metal Cd(II) and Cu(II) ions using glutaraldehyde-cross-linked KFC/CNT/PVA ternary blend. <i>Biomass Conversion and Biorefinery</i> ,1	2.3	1
5	Adsorption of Heavy Metal Cr (VI) By a Ternary Biopolymer Blend. <i>Materials Today: Proceedings</i> , <b>2018</b> , 5, 14628-14638	1.4	1
4	Evaluation of batch and packed bed adsorption column for chromium(VI) ion removal from aqueous solution using chitosan-silica $\gamma$ -AM/orange peel hydrogel composite. <i>Biomass Conversion and Biorefinery</i> ,1	2.3	0
3	Crosslinked chitosan oligosaccharide-based binary and ternary blends for the removal of Cu(II) ions. <i>International Journal of Environmental Science and Technology</i> ,1	3.3	0
2	Marine Biomaterials as Antifouling Agent <b>2015</b> , 1181-1192		
1	Removal of Copper(II) Ion using Nanochitosan/Carboxymethyl Cellulose/Grapheme Oxide Composite Biosorbent. <i>Asian Journal of Chemistry</i> , <b>2022</b> , 34, 1465-1471	0.4	