Sudha Pn

List of Publications by Year in Descending Order

56 papers	1,545 citations	22 h-index	38 g-index
59 ext. papers	1,873 ext. citations	4.9 avg, IF	5.05 L-index

#	Paper	IF	Citations
56	Removal of Copper(II) Ion using Nanochitosan/Carboxymethyl Cellulose/Grapheme Oxide Composite Biosorbent. *Asian Journal of Chemistry*, **2022**, 34, 1465-1471	0.4	
55	Electronic Gauge for Micron Measurement and its Relevance to Industry 4.0. *SN Computer Science*, **2021**, 2, 1	2	
54	Batch and column mode removal of the turquoise blue (TB) over bio-char based adsorbent from Prosopis Juliflora: Comparative study. *Chemosphere*, **2021**, 271, 129426	8.4	2
53	Batch adsorption studies on surface tailored chitosan/orange peel hydrogel composite for the removal of Cr(VI) and Cu(II) ions from synthetic wastewater. *Chemosphere*, **2021**, 271, 129415	8.4	39
52	Cadmium(II) ion removal from aqueous solution using chitosan oligosaccharide-based blend. *Polymer Bulletin*, **2021**, 78, 1109-1132	2.4	2
51	Synthesis and characterisation of nano chitosan/PVP/SF for environmental engineering applications. *International Journal of Ambient Energy*, **2021**, 42, 150-155	2	1
50	Effect of nano chitosan polymer blends for energy engineering applications. *International Journal of Ambient Energy*, **2021**, 42, 508-513	2	
49	Toxic heavy metal cadmium removal using chitosan and polypropylene based fiber composite. *International Journal of Biological Macromolecules*, **2020**, 164, 1809-1824	7.9	13
48	Clay Based Biopolymer Nanocomposites and Their Applications in Environmental and Biomedical Fields **2019**, 1159-1183		2
47	Banana fiber Cellulose Nano Crystals grafted with butyl acrylate for heavy metal lead (II) removal. *International Journal of Biological Macromolecules*, **2019**, 131, 461-472	7.9	22
46	Novel chitosan based thin sheet nanofiltration membrane for rejection of heavy metal chromium. *International Journal of Biological Macromolecules*, **2019**, 132, 939-953	7.9	28
45	Impact of Nanoparticle Shape, Size, and Properties of the Sustainable Nanocomposites **2019**, 313-336		9
44	Antimicrobial efficacy of novel nanochitosan-based mat via electrospinning technique. *Polymer Bulletin*, **2018**, 75, 5599-5618	2.4	5
43	Adsorption of Heavy Metal Cr (VI) By a Ternary Biopolymer Blend. *Materials Today: Proceedings*, **2018**, 5, 14628-14638	1.4	1
42	Hydroxyapatite from Cuttlefish Bone: Isolation, Characterizations, and Applications. *Biotechnology and Bioprocess Engineering*, **2018**, 23, 383-393	3.1	21
41	Development of 3D scaffolds using nanochitosan/silk-fibroin/hyaluronic acid biomaterials for tissue engineering applications. *International Journal of Biological Macromolecules*, **2018**, 120, 876-885	7.9	25
40	Contemplating the feasibility of vermiculate blended chitosan for heavy metal removal from simulated industrial wastewater. *Applied Water Science*, **2017**, 7, 4207-4218	5	6

39	Removal of heavy metal chromium from tannery effluent using ultrafiltration membrane. *Textiles and Clothing Sustainability*, **2017**, 2,		19
38	Fabrication of letrozole formulation using chitosan nanoparticles through ionic gelation method. *International Journal of Biological Macromolecules*, **2017**, 104, 1820-1832	7.9	65
37	Adsorption and kinetic studies on the removal of chromium and copper onto Chitosan-g-maliec anhydride-g-ethylene dimethacrylate. *International Journal of Biological Macromolecules*, **2017**, 104, 1578-1585	7.9	36
36	Batch adsorption and desorption studies on the removal of lead (II) from aqueous solution using nanochitosan/sodium alginate/microcrystalline cellulose beads. *International Journal of Biological Macromolecules*, **2017**, 104, 1483-1494	7.9	66
35	Adsorptive removal of copper (II) and lead (II) using chitosan-g-maleic anhydride-g-methacrylic acid copolymer. *International Journal of Biological Macromolecules*, **2017**, 104, 1495-1508	7.9	21
34	Removal of toxic heavy metal lead (II) using chitosan oligosaccharide-graft-maleic anhydride/polyvinyl alcohol/silk fibroin composite. *International Journal of Biological Macromolecules*, **2017**, 104, 1469-1482	7.9	60
33	Removal of the heavy metal ion chromiuim(VI) using Chitosan and Alginate nanocomposites. *International Journal of Biological Macromolecules*, **2017**, 104, 1459-1468	7.9	112
32	Adsorption Studies of Lead(II) from aqueous solution onto Nanochitosan /Polyurethane /Polypropylene glycol ternary blends. *International Journal of Biological Macromolecules*, **2017**, 104, 1436-1448	7.9	12
31	FTIR, XRD and DSC studies of nanochitosan, cellulose acetate and polyethylene glycol blend ultrafiltration membranes. *International Journal of Biological Macromolecules*, **2017**, 104, 1721-1729	7.9	49
30	Size optimization and in vitro biocompatibility studies of chitosan nanoparticles. *International Journal of Biological Macromolecules*, **2017**, 104, 1794-1806	7.9	60
29	Removal of heavy metals from tannery effluent using chitosan-g-poly(butyl acrylate)/bentonite nanocomposite as an adsorbent. *Textiles and Clothing Sustainability*, **2017**, 2,		11
28	Electronic sensors for micron resolution dimension measurement **2017**,		1
27	Biodegradable Polymer-Based Ternary Blends for Adsorption of Heavy Metal From Simulated Industrial Wastewater. *Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry*, **2016**, 46, 1664-1674		1
26	Removal of Cr(VI) from aqueous solution using chitosan-g-poly(butyl acrylate)/silica gel nanocomposite. *International Journal of Biological Macromolecules*, **2016**, 87, 545-54	7.9	49
25	Kinetics of Removal of Chromium From Wastewater Using Chitosan-Based Binary Polymer Blends. *Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry*, **2016**, 46, 1310-1317		8
24	Removal of copper(II) from aqueous solution using nanochitosan/sodium alginate/microcrystalline cellulose beads. *International Journal of Biological Macromolecules*, **2016**, 82, 440-52	7.9	56
23	A Study on Biological and Catalytic Activity of CSB Derivative and its Cobalt and Nickel Complexes. *Oriental Journal of Chemistry*, **2016**, 32, 2509-2516	0.8	2
22	Synthesis, Characterization and Applications of Nanochitosan/Sodium Alginate/Microcrystalline Cellulose Film. *Journal of Nanomedicine & Nanotechnology*, **2016**, 07,	1.9	5

21	Adsorptive Removal of Lead and Cadmium Ions using Cross-Linked CMC Schiff Base: Isotherm, Kinetics and Catalytic Activity. *Oriental Journal of Chemistry*, **2016**, 32, 441-453	0.8	10
20	Experimental analysis of binary and ternary polymer blends of nanochitosan. *Materials Today: Proceedings*, **2016**, 3, 2169-2177	1.4	3
19	Chitosan Modified Alginate-Polyurethane Scaffold for Skeletal Muscle Tissue Engineering. *Journal of Biomaterials and Tissue Engineering*, **2015**, 5, 665-672	0.3	13
18	Separation and Identification of Phenolic Acid and Flavonoids from Nerium indicum Flowers. *Indian Journal of Pharmaceutical Sciences*, **2015**, 77, 91-5	1.5	6
17	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. *Composite Interfaces*, **2014**, 21, 75-86	2.3	7
16	Studies on drug-polymer interaction, in vitro release and cytotoxicity from chitosan particles excipient. *International Journal of Pharmaceutics*, **2014**, 468, 214-22	6.5	27
15	Removal of cadmium (II) ions from aqueous solution using chitosan/starch polymer blend. *Composite Interfaces*, **2014**, 21, 95-109	2.3	11
14	Comparative studies on the removal of heavy metals ions onto cross linked chitosan-g-acrylonitrile copolymer. *International Journal of Biological Macromolecules*, **2014**, 67, 180-8	7.9	30
13	Sorption studies on Cr (VI) removal from aqueous solution using cellulose grafted with acrylonitrile monomer. *International Journal of Biological Macromolecules*, **2014**, 66, 295-301	7.9	34
12	Sorption studies of lead (II) onto crosslinked and non crosslinked biopolymeric blends. *International Journal of Biological Macromolecules*, **2013**, 59, 165-9	7.9	13
11	Removal of Cu(II) and Ni(II) using cellulose extracted from sisal fiber and cellulose-g-acrylic acid copolymer. *International Journal of Biological Macromolecules*, **2013**, 62, 59-65	7.9	48
10	Preparation and characterization of nano chitosan for treatment wastewaters. *International Journal of Biological Macromolecules*, **2013**, 57, 204-12	7.9	154
9	Physicochemical characterization of chitosan/nylon6/polyurethane foam chemically cross-linked ternary blends. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2013**, 105, 20-3	4.4	10
8	Sorption studies on heavy metal removal using chitin/bentonite biocomposite. *International Journal of Biological Macromolecules*, **2013**, 53, 67-71	7.9	65
7	Physicochemical and morphological evaluation of chitosan/poly(vinyl alcohol)/methylcellulose chemically cross-linked ternary blends. *Polymer Bulletin*, **2012**, 68, 1387-1393	2.4	17
6	Preparation and characterization of chitosan-carbon nanotube scaffolds for bone tissue engineering. *International Journal of Biological Macromolecules*, **2012**, 50, 393-402	7.9	136
5	Biomedical Applications of Chitosan: An Overview. *Journal of Biomaterials and Tissue Engineering*, **2012**, 2, 100-111	0.3	54
4	Preparation and Characterization of Curcumin Coated Chitosan-Alginate Blend for Wound Dressing Application. *Journal of Biomaterials and Tissue Engineering*, **2012**, 2, 54-60	0.3	27

3	Copper and cadmium removal from synthetic industrial wastewater using chitosan and nylon 6. *Environmental Science and Pollution Research*, **2011**, 19, 2930-41	5.1	47
2	Electrochemical Determination of L-Dopa in Mucuna pruriens Seeds, Leaves and Commercial Siddha Product Using Gold Modified Pencil Graphite Electrode. *Electroanalysis*, **2011**, 23, 1107-1115	3	21
1	SYNTHESIS AND CHARACTERISATION OF TERNARY BLENDS OF CHITOSAN. *International Journal of Chemical Research*, **2011**, 3, 27-32		2