

# Anuradha Mishra

## List of Publications by Year in descending order

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65  
papers

1,687  
citations

279701

23  
h-index

289141

40  
g-index

67  
all docs

67  
docs citations

67  
times ranked

1705  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tamarind xyloglucan: a polysaccharide with versatile application potential. <i>Journal of Materials Chemistry</i> , 2009, 19, 8528.	6.7	133
2	Flocculation behaviour of model textile wastewater treated with a food grade polysaccharide. <i>Journal of Hazardous Materials</i> , 2005, 118, 213-217.	6.5	128
3	Peptide nucleic acids: Advanced tools for biomedical applications. <i>Journal of Biotechnology</i> , 2017, 259, 148-159.	1.9	127
4	Synthesis, chemistry, physicochemical properties and industrial applications of amino acid surfactants: A review. <i>Comptes Rendus Chimie</i> , 2018, 21, 112-130.	0.2	126
5	Modification of Okra mucilage with acrylamide: Synthesis, characterization and swelling behavior. <i>Carbohydrate Polymers</i> , 2008, 72, 608-615.	5.1	65
6	The flocculation performance of Tamarindus mucilage in relation to removal of vat and direct dyes. <i>Bioresource Technology</i> , 2006, 97, 1055-1059.	4.8	64
7	Recent advances on nano-adsorbents and nanomembranes for the remediation of water. <i>Journal of Cleaner Production</i> , 2021, 322, 129051.	4.6	53
8	Use of polyacrylamide-grafted Plantago psyllium mucilage as a flocculant for treatment of textile wastewater. <i>Colloid and Polymer Science</i> , 2004, 282, 722-727.	1.0	51
9	Study on Flocculation Efficiency of Okra Gum in Sewage Waste Water. <i>Macromolecular Materials and Engineering</i> , 2001, 286, 560-563.	1.7	50
10	Metabolic profiling of <i>Commiphora wightii</i> (guggul) reveals a potential source for pharmaceuticals and nutraceuticals. <i>Phytochemistry</i> , 2015, 110, 29-36.	1.4	49
11	Application of dried plant biomass as novel low-cost adsorbent for removal of cadmium from aqueous solution. <i>International Journal of Environmental Science and Technology</i> , 2014, 11, 1043-1050.	1.8	44
12	P. psyllium-g-polyacrylonitrile: synthesis and characterization. <i>Colloid and Polymer Science</i> , 2003, 281, 187-189.	1.0	40
13	Ionic liquids: From a solvent for polymeric reactions to the monomers for poly(ionic liquids). <i>Journal of Molecular Liquids</i> , 2021, 335, 116540.	2.3	39
14	Flocculation of Textile Wastewater by Plantago psyllium Mucilage. <i>Macromolecular Materials and Engineering</i> , 2002, 287, 592-596.	1.7	37
15	Biodegradable graft copolymers of fenugreek mucilage and polyacrylamide: A renewable reservoir to biomaterials. <i>Carbohydrate Polymers</i> , 2006, 65, 58-63.	5.1	35
16	UTILIZATION OF OKRA GUM FOR TREATMENT OF TANNERY EFFLUENT. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2003, 52, 1049-1057.	1.8	34
17	1-(Bromoacetyl)pyrene, a novel photoinitiator for the copolymerization of styrene and methylmethacrylate. <i>Radiation Physics and Chemistry</i> , 2006, 75, 1093-1100.	1.4	33
18	Graft copolymers of xyloglucan and methyl methacrylate. <i>Carbohydrate Polymers</i> , 2012, 87, 1899-1904.	5.1	33

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19	Polyacrylonitrile-grafted Okra mucilage: A renewable reservoir to polymeric materials. Carbohydrate Polymers, 2007, 68, 95-100.	5.1	32
20	Evaluation of thermal, morphological and flame-retardant properties of thermoplastic polyurethane/polyphosphazene blends. Polymer Bulletin, 2018, 75, 2415-2430.	1.7	27
21	Fenugreek mucilage for solid removal from tannery effluent. Reactive and Functional Polymers, 2004, 59, 99-104.	2.0	26
22	P.psyllium-g-polyacrylamide: Synthesis and characterization. Polymer Bulletin, 2002, 48, 439-444.	1.7	25
23	Title is missing!. Journal of Polymer Research, 2002, 9, 69-73.	1.2	25
24	Curcumin, A Novel Natural Photoinitiator for the Copolymerization of Styrene and Methylmethacrylate. Journal of Macromolecular Science - Pure and Applied Chemistry, 2005, 42, 1667-1678.	1.2	24
25	Synthesis and characterization of polyacrylamide grafted copolymers of Kundoor mucilage. Journal of Applied Polymer Science, 2005, 98, 1186-1191.	1.3	23
26	Effect of diluents on the curing behavior of vinyl ester resin. Journal of Applied Polymer Science, 2003, 87, 1948-1951.	1.3	22
27	Synthesis of graft copolymers of xyloglucan and acrylonitrile. Polymers for Advanced Technologies, 2008, 19, 99-104.	1.6	22
28	Fenugreek mucilage as a flocculating agent for sewage treatment. Colloid and Polymer Science, 2003, 281, 164-167.	1.0	21
29	Isolation, characterization, and microwave assisted surface modification of Colocasia esculenta (L.) Schott mucilage by grafting polylactide. International Journal of Biological Macromolecules, 2018, 119, 1090-1097.	3.6	21
30	Plantago psyllium-Grafted-Polyacrylonitrile Synthesis, Characterization and Its Use in Suspended and Dissolved Solid Removal from Textile Effluent. Water Quality Research Journal of Canada, 2002, 37, 371-378.	1.2	20
31	OKRA (HIBISCUS ESCULENTUS) AND FENUGREEK (TRIGONELLA FOENUM GRACEUM) MUCILAGE: CHARACTERIZATION AND APPLICATION AS FLOCCULANTS FOR TEXTILE EFFLUENT TREATMENTS. Chinese Journal of Polymer Science (English Edition), 2008, 26, 679.	2.0	20
32	Curing studies on vinyl ester resin using acrylates as reactive diluents. Polymer International, 1992, 28, 189-192.	1.6	19
33	Polyacrylonitrile-grafted Plantago psyllium mucilage for the removal of suspended and dissolved solids from tannery effluent. Colloid and Polymer Science, 2004, 282, 300-303.	1.0	19
34	Removal of Dyes by Biodegradable Flocculants: A Lab Scale Investigation. Separation Science and Technology, 2006, 41, 583-593.	1.3	19
35	A sustainable process for adsorptive removal of methylene blue onto a food grade mucilage: kinetics, thermodynamics, and equilibrium evaluation. International Journal of Phytoremediation, 2019, 21, 1122-1129.	1.7	18
36	Tamarindus indica mucilage and its acrylamide-grafted copolymer as flocculants for removal of dyes. Colloid and Polymer Science, 2006, 285, 161-168.	1.0	17

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37	Curcumin, a natural colorant as initiator for photopolymerization of styrene: kinetics and mechanism. <i>Colloid and Polymer Science</i> , 2007, 285, 1109-1117.	1.0	17
38	Graft Copolymerization of Polyacrylamide onto Tamarind Mucilage. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006, 43, 315-326.	1.2	15
39	Removal of sulphate and phosphate from aqueous solutions using a food grade polysaccharide as flocculant. <i>Colloid and Polymer Science</i> , 2006, 284, 443-448.	1.0	12
40	Effect of Different Grinding Processes on Powder Characteristics of Tamarind Seeds. <i>Agricultural Research</i> , 2020, 9, 262-269.	0.9	12
41	Influence of particle size on physical, mechanical, thermal, and morphological properties of tamarind-fenugreek mucilage biodegradable films. <i>Polymer Bulletin</i> , 2023, 80, 3119-3133.	1.7	12
42	Effect of diluents on the decomposition behavior of vinyl ester resin. <i>Journal of Applied Polymer Science</i> , 2003, 87, 1952-1956.	1.3	10
43	Applications of Ionic Liquids in Metal Extraction. <i>RSC Green Chemistry</i> , 2013, , 155-180.	0.0	7
44	Tamarind Seed Xyloglucan: A Food Hydrocolloid for Water Remediation. <i>Journal of Biobased Materials and Bioenergy</i> , 2013, 7, 12-18.	0.1	6
45	Ferromagnetic xyloglucan-Fe <sub>3</sub> O <sub>4</sub> green nanocomposites: sonochemical synthesis, characterization and application in removal of methylene blue from water. <i>Environmental Sustainability</i> , 2020, 3, 15-22.	1.4	6
46	Copolymerization of n-butylacrylate with methylmethacrylate by a novel photoinitiator, 1-(bromoacetyl)pyrene. <i>International Journal of Chemical Kinetics</i> , 2007, 39, 261-267.	1.0	5
47	Microwave synthesis, characterization, and bio-efficacy of novel halogenated Schiff bases. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2016, 51, 558-570.	0.7	4
48	Evaluation of thermal degradation and melt crystallization behavior of taro mucilage and its graft copolymer with poly(lactide). <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	4
49	Methylmethacrylate polymerization photoinitiated by 1-(bromoacetyl)pyrene. <i>Journal of Applied Polymer Science</i> , 2006, 99, 920-926.	1.3	3
50	Determination of Pentacyclic Triterpenes from <i>Betula utilis</i> by High-Performance Liquid Chromatography and High-Resolution Magic Angle Spinning Nuclear Magnetic Resonance Spectroscopy. <i>Analytical Letters</i> , 2017, 50, 233-242.	1.0	3
51	Greening the Blue: How the World is Addressing the Challenge of Green Remediation of Water. <i>RSC Green Chemistry</i> , 2013, , 1-10.	0.0	3
52	Zeolites in Wastewater Treatment. <i>RSC Green Chemistry</i> , 2013, , 82-104.	0.0	3
53	Nanomaterials for Water Remediation. <i>RSC Green Chemistry</i> , 2013, , 135-154.	0.0	3
54	Decomposition behavior of vinyl ester resins prepared in presence of tertiary amines. <i>Polymer-Plastics Technology and Engineering</i> , 2002, 41, 327-340.	1.9	2

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55	Title is missing!. Chinese Journal of Polymer Science (English Edition), 2005, 23, 113.	2.0	2
56	1-(Bromoacetyl)pyrene, a novel photoinitiator for the copolymerization of styrene and acrylonitrile. Colloid and Polymer Science, 2006, 285, 397-404.	1.0	2
57	Copolymerization of n-butylacrylate with styrene by a novel photoinitiator, 1-(bromoacetyl)pyrene. Journal of Applied Polymer Science, 2006, 102, 3233-3239.	1.3	2
58	Polyvinylidene fluoride/Polymethylmethacrylate/Polyphosphazene/Lithium Tantalate Composites: Synthesis and Characterization. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 624-630.	1.9	2
59	Quantification of Optimal Reaction Parameters for the Synthesis of a Polysaccharide-Based Graft Copolymers Using Combined Shannon's Entropy and Data Envelopment Analysis. Starch/Staerke, 2019, 71, 1900126.	1.1	2
60	Emerging application of robust data envelopment analysis for optimization of graft copolymerization of poly(2-hydroxyethyl methacrylate) to Tamarindus indica seed polysaccharide. International Journal of Biological Macromolecules, 2020, 164, 3858-3863.	3.6	2
61	Cationic dye removal using a newer material fabricated by Taro Mucilage-g-PLA and Organobentonite clay. Materials Today: Proceedings, 2021, 34, 569-574.	0.9	2
62	Adsorption of Hexavalent Chromium Ion from Aqueous Solutions on Psyllium Mucilage and Cross-Linked Psyllium Mucilage Beads. Current Environmental Engineering, 2015, 1, 191-198.	0.6	2
63	Polymerization of n-Butyl Acrylate Photoinitiated by 1-(Bromoacetyl)pyrene and its Arsonium Salt. Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 955-966.	1.2	1
64	Data Envelopment Analysis and Decision Maker Models: An Innovative Approach for Optimization of Reaction Variables of Graft Copolymerization of Poly(butyl acrylate) to Tamarind Seed Xyloglucan. Macromolecular Theory and Simulations, 2020, 29, 2000051.	0.6	1
65	1-(bromoacetyl)pyrene and its arsonium salt as novel photoinitiators for styrene polymerization. Journal of Applied Polymer Science, 2006, 101, 1793-1798.	1.3	0