

# Haradhan Kolya

## List of Publications by Citations

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36  
papers

548  
citations

14  
h-index

22  
g-index

44  
ext. papers

682  
ext. citations

5.3  
avg, IF

4.74  
L-index

#	Paper	IF	Citations
36	Green synthesis of silver nanoparticles with antimicrobial and azo dye (Congo red) degradation properties using <i>Amaranthus gangeticus</i> Linn leaf extract. <i>Journal of Analytical Science and Technology</i> , <b>2015</b> , 6,	3.4	87
35	Synthesis of Starch-g-Poly-(N-methylacrylamide-co-acrylic acid) and its application for the removal of mercury (II) from aqueous solution by adsorption. <i>European Polymer Journal</i> , <b>2014</b> , 58, 1-10	5.2	46
34	Hydroxyethyl Starch-g-Poly-(N,N-dimethylacrylamide-co-acrylic acid): An efficient dye removing agent. <i>European Polymer Journal</i> , <b>2013</b> , 49, 4265-4275	5.2	42
33	Bioinspired silver nanoparticles/reduced graphene oxide nanocomposites for catalytic reduction of 4-nitrophenol, organic dyes and act as energy storage electrode material. <i>Composites Part B: Engineering</i> , <b>2019</b> , 173, 106924	10	31
32	Starch-g-Poly-(N, N-dimethyl acrylamide-co-acrylic acid): an efficient Cr (VI) ion binder. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 72, 560-8	7.9	26
31	Preparation, investigation of metal ion removal and flocculation performances of grafted hydroxyethyl starch. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 62, 557-64	7.9	26
30	Green synthesis of Ag-Au bimetallic nanocomposites using a biodegradable synthetic graft copolymer; hydroxyethyl starch-g-poly (acrylamide-co-acrylic acid) and evaluation of their catalytic activities. <i>European Polymer Journal</i> , <b>2017</b> , 87, 113-123	5.2	25
29	Biodegradable flocculants based on polyacrylamide and poly(N,N-dimethylacrylamide) grafted amylopectin. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 70, 26-36	7.9	25
28	Study of congo red dye removal from its aqueous solution using sulfated acrylamide and N, N-dimethyl acrylamide grafted amylopectin. <i>Journal of Water Process Engineering</i> , <b>2017</b> , 18, 7-19	6.7	24
27	Preparation of gold nanoparticles by a novel biodegradable graft copolymer sodium alginate-g-poly (N,N-dimethylacrylamide-co-acrylic acid) with anti micro bacterial application. <i>European Polymer Journal</i> , <b>2015</b> , 66, 139-148	5.2	23
26	Grafted polysaccharides based on acrylamide and N,N-dimethylacrylamide: Preparation and investigation of their flocculation performances. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 2786-2795 <sup>2,9</sup>		23
25	Novel Biodegradable Flocculating Agents Based on Grafted Starch Family for the Industrial Effluent Treatment. <i>Journal of Polymers and the Environment</i> , <b>2017</b> , 25, 408-418	4.5	17
24	Green synthesis, characterization and antibacterial activity of gold nanoparticles using hydroxyethyl starch-g-poly (methylacrylate-co-sodium acrylate): A novel biodegradable graft copolymer. <i>Journal of Molecular Liquids</i> , <b>2015</b> , 212, 259-265	6	16
23	Selective adsorption of Pb (II) ions by amylopectin-g-poly (acrylamide-co-acrylic acid): A bio-degradable graft copolymer. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 97, 585-597	7.9	15
22	Starch based biodegradable graft copolymer for the preparation of silver nanoparticles. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 81, 83-90	7.9	14
21	Hygrothermal treated paulownia hardwood reveals enhanced sound absorption coefficient: An effective and facile approach. <i>Applied Acoustics</i> , <b>2021</b> , 174, 107758	3.1	14
20	Metal complexation studies of amylopectin-graft-poly[(N,N-dimethylacrylamide)-co-(acrylic acid)]: a biodegradable synthetic graft copolymer. <i>Polymer International</i> , <b>2015</b> , 64, 1336-1351	3.3	13

19	High acoustic absorption properties of hackberry compared to nine different hardwood species: A novel finding for acoustical engineers. <i>Applied Acoustics</i> , <b>2020</b> , 169, 107475	3.1	13
18	Selective Lead(II) Adsorption and Flocculation Characteristics of the Grafted Sodium Alginate: A Comparative Study. <i>Journal of Polymers and the Environment</i> , <b>2018</b> , 26, 926-937	4.5	8
17	Amylopectin-g-poly(methylacrylate-co-sodium acrylate): An efficient Cd(II) binder. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 91, 934-45	7.9	8
16	Colorimetric/naked eye detection of arsenic ions in aqueous medium by mango flower extract: A facile and novel approach. <i>Applied Surface Science</i> , <b>2020</b> , 513, 145760	6.7	6
15	Polyvinyl acetate/reduced graphene oxide-poly (diallyl dimethylammonium chloride) composite coated wood surface reveals improved hydrophobicity. <i>Progress in Organic Coatings</i> , <b>2021</b> , 156, 106253	4.8	6
14	Steam exploded wood cell walls reveals improved gas permeability and sound absorption capability. <i>Applied Acoustics</i> , <b>2021</b> , 179, 108049	3.1	6
13	Sulfated katira gum-graft-poly(N-vinyl imidazole): A useful scavenger of mercury(II) ions. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134,	2.9	5
12	Green Synthesis of Ag-Au Bimetallic Nanocomposites Using Waste Tea Leaves Extract for Degradation Congo Red and 4-Nitrophenol. <i>Sustainability</i> , <b>2021</b> , 13, 3318	3.6	5
11	Flocculation and Color Removal Performances of Polyacrylamide and Poly N, N-Dimethylacrylamide Grafted Starch: A Comparative Study. <i>American Journal of Polymer Science and Technology</i> , <b>2017</b> , 3, 1	3	4
10	Effective changes in softwood cell walls, gas permeability and sound absorption capability of Larix kaempferi (larch) by steam explosion. <i>Wood Material Science and Engineering</i> , 1-9	1.9	4
9	Effective changes in cellulose cell walls, gas permeability and sound absorption capability of Cocos nucifera (palmwood) by steam explosion. <i>Cellulose</i> , <b>2021</b> , 28, 5707	5.5	4
8	Recent Advances in Colorimetric Detection of Arsenic Using Metal-Based Nanoparticles. <i>Toxics</i> , <b>2021</b> , 9,	4.7	3
7	Conducting scaffold supported defect rich 3D rGO-CNT/MoS2 nanostructure for efficient HER electrocatalyst at variable pH. <i>Composites Part B: Engineering</i> , <b>2022</b> , 230, 109489	10	2
6	Oxidation treatment on wood cell walls affects gas permeability and sound absorption capacity. <i>Carbohydrate Polymers</i> , <b>2022</b> , 276, 118874	10.3	1
5	Improved bending strength of Douglas fir ( <i>Pseudotsuga menziesii</i> ) timber relative to Japanese larch ( <i>Larix kaempferi</i> Carr) grown in Korea. <i>International Wood Products Journal</i> , <b>2021</b> , 12, 172-177	0.9	0
4	Polymeric Membranes and Hybrid Techniques for Water Purification Applications. <i>Energy, Environment, and Sustainability</i> , <b>2022</b> , 75-91	0.8	
3	Polymer nanocomposites for energy-related applications <b>2021</b> , 215-248		
2	Thermal conductivity of graphene-polymer composites <b>2022</b> , 245-273		

1 The use of polymer-graphene composites in catalysis **2022**, 537-556