

**Department of Chemical Engineering**  
**List of SCI Publications**

Sr. No	Authors	Title of Paper	Journal Name	Volume	Year	Starting Page	End Page	Impact Factor	Month
1.	Sanjeev Ahuja; Raj Kumar Arya	Laplace Transform Treatment for Chemical Engineering Systems: Whether to Use $0^-$ or $0^+$ ?	Chem. Eng. Tech.	41	2018	875	882	2.051	4
2.	Aman Pathania, Jyoti Sharma, Raj Kumar Arya, Sanjeev Ahuja	Effect of crosslinked polymer content on drying of binary polymer—solvent coatings	Progress in Organic Coatings	114	2018	78	89	2.858	1
3.	Deepak Tiwari, Haripada Bhunia, Pramod K Bajpai	Development of chemically activated N-enriched carbon adsorbents from urea-formaldehyde resin for CO <sub>2</sub> adsorption: Kinetics, isotherm, and thermodynamics	Journal of Environmental Management	218	2018	579	592	4.010	4
4.	Meenakshi Sheoran, Avinash Chandra, Haripada Bhunia, Pramod Bajpai, Harish Pant	Progress in residence time distribution studies using radiotracer in the chemical industry- a review	Chemical Engineering Communication	205	2018	739	758	1.08	3
5.	Deepak Tiwari, Haripada Bhunia, Pramod K Bajpai	CO <sub>2</sub> adsorption on oxygen enriched nanostructured carbons-derived from silica templated resorcinol-formaldehyde	Journal of Industrial and Engineering Chemistry	60	2018	321	332	4.421	
6.	Deepak Tiwari, Haripada Bhunia, Pramod K Bajpai	Development of porous carbons from urea formaldehyde resin for carbondioxide adsorption	Journal of the Indian Chemical Society, dedicated to SATEM-2017	95	2018	247	252	0.145	3

7.	Kulwinder Singh, J. S. Saini H. Bhunia	Effect of nanoclay and bolt preloads on the strength of bolted joints in glass epoxy nanocomposites	Journal of the Brazilian Society of Mechanical Sciences and Engineering	40	2018	184	220	1.235	3
8.	Vatsala Sugumaran, Haripada Bhunia and Anudeep K. Narula	Evaluation of Biodegradability of Potato Peel Powder Based Polyolefin Biocomposites	Journal of Polymers and the Environment	26	2018	2049	2060	1.877	5
9.	Dev K. Mandal, Haripada Bhunia, Pramod K. Bajpai, Chandrasekhar V. Chaudhari, Kumar A. Dubey and Lalit Varshney	Morphology, Rheology and Biodegradation of Oxo-degradable Polypropylene/Poly (lactic acid) blends	Journal of Polymer Engineering	38	2018	239	249	0.631	3
10.	Dev K. Mandal, Haripada Bhunia, Pramod K. Bajpai, Anil Kumar, Gaurav Madhu and Golok B. Nando	Biodegradation of pro-oxidant filled polypropylene films and evaluation of the ecotoxicological impact	Journal of Polymers and the Environment	26	2018	1061	1071	1.877	3
11.	M Singh, JS Saini, H Bhunia	To Study the Contribution of Different Geometric Parameters on the Failure Load for Multi Holes Pin Joints Prepared from Glass/Epoxy Nanoclay Laminates	Journal of Composite Materials	52	2018	629	644	1.494	3
12.	Jasminder Singh, Haripada Bhunia, Soumen Basu	CO <sub>2</sub> adsorption on oxygen enriched porous carbon monoliths: kinetics, isotherm and thermodynamic studies	Journal of Industrial and Engineering Chemistry	60	2018	321	332	4.421	11
13.	Deepak Tiwari, Haripada Bhunia, Pramod K Bajpai	Adsorption of CO <sub>2</sub> on KOH activated, N-enriched carbon derived from urea formaldehyde resin: kinetics, isotherm and thermodynamic studies	Applied Surface Science	439	2018	760	771	3.387	01
14.	Dev K. Mandal, Haripada Bhunia, Pramod K. Bajpai Anil Kumar, Gaurav Madhu Golok B. Nando	Biodegradation of pro-oxidant filled polypropylene films and evaluation of the ecotoxicological impact	Journal of Polymers and Environment	26	2018	1061	1071	1.969	03

15.	M. Rawat, V.K. Bulasara	Synthesis and characterization of low-cost ceramic membranes from fly ash and kaolin for humic acid separation	Korean Journal of Chemical Engineering	35	2018	725	733	2.007	03
16.	Parminder Kaur, Jai P Kushwaha, Vikas K Sangal,	Electrocatalytic oxidative treatment of real textile wastewater in continuous reactor: degradation pathway and disposability study	Journal of Hazardous Materials	346	2018	242	252	6.065	03
17.	N. Goyal, V.K. Bulasara, S. Barman	Removal of emerging contaminants daidzein and coumestrol from water by nanozeolite beta modified with tetrasubstituted ammonium cation	Journal of Hazardous Materials	344	2018	417	430	6.065	02
18.	Paramjit Kaur, Nikhil Rajani, Piyush Kumawat, Neetu Singh, Jai P Kushwaha	Performance and mechanism of dye extraction from aqueous solution using synthesized deep eutectic solvents	Colloids and Surfaces A: Physicochemical and Engineering Aspects	539	2018	85	91	2.714	02
19.	Ravneet Kaur, Jai Prakash Kushwaha Neetu Singh	Electro-Oxidation of Ofloxacin antibiotic by Dimensionally stable Ti/RuO <sub>2</sub> anode: Evaluation and Mechanistic approach	Chemosphere	193	2018	685	694	4.208	02
20.	S. Talwar, V. K. Sangal, A. Verma.	Feasibility of using combined TiO <sub>2</sub> photocatalysis and RBC process for the treatment of real pharmaceutical wastewater	Journal of Photochemistry and Photobiology A: Chemistry	353	2018	263	270	2.495	02
21.	Sudhir K Singh	Critical temperature estimation of bulk and confined atomic fluid using vapour-liquid interfacial free energy	Molecular Simulation	44	2018	156	163	1.678	02
22.	Aman Pathania, Jyoti Sharma, Raj Kumar Arya, Sanjeev Ahuja	Effect of Crosslinked Polymer Content on Drying of Binary Polymer—Solvent Coatings	Progress in Organic Coatings	114	2018	78	89	2.858	01

23.	Bikramjit Sharma, Rahul Chhibber, Rajeev Mehta	Seawater ageing of glass fiber reinforced epoxy nanocomposites based on silylated clays	Polymer Degradation and Stability	147	2018	103	114	3.386	01
24.	H. Rajput V. K. Sangal A Dhir.	Synthesis of highly stable and efficient Ag loaded GO/TiO <sub>2</sub> nanotube electrodes for the photoelectrocatalytic degradation of pentachlorophenol	Journal of Electroanalytical Chemistry	814	2018	118	126	2.822	01
25.	H. Rajput, A Dhir. V. K. Sangal	GO mediated TiO <sub>2</sub> nanotube electrode for the photoelectrocatalytic degradation of pentachlorophenol,	Journal of The Electrochemical Society	165	2018	16	26	3.259	01
26.	J Singla A. Verma V. K. Sangal	Parametric optimization for the treatment of human urine metabolite, creatinine using electro-oxidation	Journal of Electroanalytical Chemistry	809	2018	136	146	2.822	01
27.	Mansi Singh, Rajeev Mehta, Sanjeev K Verma, Ipsita Biswas	Effect of addition of different nano-clays on the fumed silica- polyethylene glycol-based shear-thickening fluids	Material Research Express	5	2018	014001	014008	1.068	01