

Published (2020)

S. No	Authors	Title of Paper	Journal Name	Volume	Year	Starting Page	End Page	Impact Factor	Month
1	A.K. Gautam and A. Chandra	A computational study of excess properties for mW potential model of water in supercooled region	Physica – A	548	2020	1224495: 1	1224495: 10	2.924	6
2	Thakre, P. N., Mukherjee S., Samanta, S., Barman, S., G.N. Halder, G.N.,	A mechanistic insight into defluorination of simulated wastewater applying bio-inspired sodium alginate bead	Applied Water Science	10	2020	65	x		1
3	Shelly Daksh; Singh Karanbir; Nanda Tarun; Mehta Rajeev	Advancements in multi-scale filler reinforced epoxy nanocomposites for improved impact strength: a review	<i>Critical Reviews in Solid State and Material Sciences</i>	x	2020	1547	6561	8.344	06
4	Sable S, Ahuja S, Bhunia H	Biodegradation kinetic modeling of acrylic acid-grafted polypropylene during thermophilic phase of composting.	Iranian Polymer Journal	29	2020	735	747	1.707	5
5	Gautam, P., Barman S, Ali A,	Catalytic performance of cerium modified ZSM-5 zeolite as a catalyst for the esterification of glycerol with acetic acid.	International Journal of Chemical Reactor Engineering,	x	2020	x	x	1.19	9
6	Balpreet Kaur, Raj Kumar Gupta and Haripada Bhunia	CO ₂ capture on activated carbon from PET (polyethylene terephthalate) waste: kinetics and modeling studies	Chemical Engineering Communications	207	2020	1031	1047	1.282	7
7	Aanchal, Basu S., Barman S.	Complete Removal of Endocrine Disrupting Compound and Toxic Dye by Visible Light Active Porous g-C ₃ N ₄ /H-ZSM-5 Nanocomposite	Chemosphere	241	2020	124981	x	5.08	2
8	Duhan S., Sahoo K, Singh S.K. and Kumar M.	Development of ultrasensitive and As(III)-selective upconverting (NaYF ₄ :Yb ³⁺ ,Er ³⁺) platform	<i>Analyst</i>	145	2020	6378	6387	3.978	7
9	Sable S, Ahuja S, Bhunia H	Effect of pro-oxidant concentration on characteristics of packaging films of cobalt stearate filled polypropylene.	Journal of Polymer Engineering	40	2020	637	646	1.072	8
10	Nitika Parashar, Kirti Sachdeva, Chandrashekar Vasudev, Bhanu Prakash, Haripada Bhunia, Jitendra Kumar, Kumar Abhinav Dubey, Jose Savio Melo and Yateindra Kumar Bhardwaj	Elastomeric Matrix Composites with Enhanced Hybrid Fuel Resistance via Percolation Assisted Grafting	ACS Applied Polymer Materials	2	2020	2633	2643	--	6
11	Sharma Nikhil, Sharma Shruti, Sharma K. Sandeep, Mehta Rajeev	Evaluation of corrosion inhibition and self-healing capabilities of Nanoclay and tungoil microencapsulated epoxy coatings on Rebars in concrete	<i>Construction and Building Materials</i>	259	2020	120278	x	4.419	10

12	Mukherjee S., Khan A., Barman S., Halder G.	Experimental study of biosorption of fluoride by immobilized beads of zeolite NaA and Nostoc sp. (BTA394) using a continuous flow system	Environmental Progress and Sustainable Energy	x	2020	x	x	1.3	6
13	Metali Sarkar, Vikas Kumar Sangal, Haripada Bhunia	Hydrodynamics and parametric study of an activated sludge process using residence time distribution technique	Environmental Engineering Research	25	2020	400	408	1.5	6
14	Mohit Kumar; J.S. Saini; H. Bhunia	Investigations on the strength of mechanical joints prepared from carbon fiber laminates with addition of carbon nanotubes	Journal of Mechanical Science and Technology	34	2020	1059	1070	1.221	01
15	Midda MO, Srivastava VC, Kushwaha JP	Modelling Single and Binary Adsorptive Behaviour of Aniline and Nitrobenzene onto Granular Activated	<i>Physics and Chemistry of Liquids</i>	58/2	2020	150	163	1.707	2
16	M. Aneja, A. Chandra, S. Sharm	Natural convection in a partially heated porous cavity to Casson fluid	International Communications in Heat and Mass Transfer	114	2020	10455:1	10455:15	3.971	5
17	Sharma B, Singh N, Kushwaha J P	Natural deep eutectic solvent-mediated extractive distillation for Separation of Acetonitrile + water azeotropic mixture	<i>Journal of Chemical and Engineering Data</i>	65/4	2020	1497	1505	2.369	2
18	Pankaj Sharma, Vijay Kumar, Gurpreet Singh Sokhal, GangacharyuluDasaroju, Vijaya Kumar Bulasara	Numerical Study on Performance of Flat Tube with Water Based Copper Oxide Nanofluids,	Materials Today: Proceedings,	21 (4)	2020	1800	1808	0.694	--
19	Midda M O, Srivastava V C, Kushwaha J P	Optimizing experimental binary adsorption of aniline–nitrobenzene onto granular activated carbon packed bed by Taguchi’s methodology	Journal of Water process Engineering	34	2020	101045	101045	3.465	4
20	Kaur P, Imteaz M, Sillanpää M, Sangal V K, Kushwaha J P	Parametric optimization and MCR-ALS kinetic modeling of electro oxidation process for the treatment of textile wastewater	Chemometrics and Intelligent Laboratory Systems	203	2020	104027	104027	2.895	8
21	Kumar M, Saini JS, Bhunia H.	Performance of Mechanical Joints Prepared from Carbon- Fiber-Reinforced Polymer Nanocomposites under Accelerated Environmental Aging	Journal of Materials Engineering and Performance	29	2020	7511	7525	1.652	10
22	M. Sheoran, N. Kaur, A. Chandra, A.K. Gautam, R.K. Arya	Pilot-scale soda pulping of wheat straw using continuous pulp digester	Journal of The Indian Chemical Society	97	2020	403	408	0.24	2
23	S. Goswami, H.J. Pant, MeenakshiSheoran, Avinash Chandra, V. K. Sharma, H.Bhunia	Residence time distribution measurements in an industrial-scale pulp digester using technetium-99m as radiotracer	Journal of Radioanalytical and Nuclear Chemistry	323	2020	1373	1379	1.186	8
24	Mehta T, Aachal, Barman S., Halder G, Verma A,	Sportive expulsion of Fipronil (FP) pesticide from aqueous solution by copper doped zeolite composite	International Journal of Environmental Analytical Chemistry	x	2020	x	x	1.43	7
25	Sable S, Ahuja S, Bhunia H	Studies on Biodegradability of Cobalt Stearate Filled Polypropylene After Abiotic Treatment.	Journal of Polymers and the Environment	28	2020	2236	2252	2.765	5

26	KalotraShivani , Mehta Rajeev	Synthesis of Polyaniline/Clay Nanocomposites by In-Situ Polymerization and its Application for the Removal of Acid Green 25 Dye from Wastewater	<i>Polymer Bulletin</i>	78/5	2020	2439	2463	2.014	4
27	Kumar M, Saini JS, Bhunia H, Chowdhury SR	The effect of radiation curing on mechanical joints prepared from carbon nanotubes added carbon/epoxy laminates.	Polymer Composites	41	2020	4260	4276	2.3	6
28	Kataria R, Jain T, Singh N, Kushwaha J P, Sharma B	Using Diaminomethanal as an Entrainer for the Separation of Isopropanol + Water Mixture	<i>Journal of Solution Chemistry</i>	49	2020	133	144	1.273	2