

List of Publications 23 NOs

S.No	Title of the paper	First Author & Affiliation	Remaining Authors & Affiliation as per the order in papers	Name of the Journal / Conference	Volume No, Issue No Page No Month & Year	Indexing Scopus/ SCI/ SCIE/ WoSetc	Is it available in Scopus Author Search (Yes/No)	Online Link of the paper (by clicking this link, paper should opened in online)
1.	Thermal Processing of Liquid Food in a rectangular prism – Type Container	Suresh Krishnan - Department of Chemical Engineering, SRMIST, Kattankulathur, Chennai, Tamilnadu - 603203, India.	Asish Kapoor - Department of Chemical Engineering, SRMIST, Kattankulathur, Chennai, Tamilnadu - 603203, India. Bonasi Krishna Srihari	AIP Conference proceedings	2516, 410003 (Nov, 30,2022)	Scopus	Yes	https://doi.org/10.1063/5.0108654

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			Department of chemical Engineering, National Institute of Technology, Srinagar, Jammu & Kashmir, India. Balasubramanian Sivasamy - Department of Chemical Engineering, KPR Institute of Engineering and Technology, Coimbatore - 641407.					
2.	Computational Fluid Dynamics studies on the flow of fluids through microchannel with intentional obstacles	Bonasi Krishna Srihari Department of chemical Engineering, National Institute of Technology, Srinagar, Jammu	Asish Kapoor - Department of Chemical Engineering, SRMIST, Kattankulathur, Chennai, Tamilnadu - 603203, India.	AIP Conference proceedings	2516, 170003 (Nov 30, 2022)	Scopus	Yes	https://doi.org/10.1063/5.0108550

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		& Kashmir, India.	Suresh Krishnan - Department of Chemical Engineering, SRMIST, Kattankulathur, Chennai, Tamilnadu - 603203, India. Balasubramanian Sivasamy - Department of Chemical Engineering, KPR Institute of Engineering and Technology, Coimbatore - 641407. Asish Kapoor - Department of Chemical Engineering, SRMIST, Kattankulathur, Chennai, Tamilnadu - 603203, India.					
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3.	Studies on the feasibility of bisphenol-A removal and its kinetics using <i>Pseudomonas aeruginosa</i> in both flask and an inverse fluidized bed reactor	M. Venkatesh Prabhu , Department of Biotechnology, School of Bioengineering, SRM IST, Kattankulathur, Chennai - 603203, India	S. Balasubramanian , Department of Chemical Engineering, KPR Institute of Engineering and Technology, Coimbatore, - 641402, India Kapoor, Ashish , Department of Chemical Engineering, School of Bioengineering, SRM IST, Kattankulathur, Chennai - 603203, India Joshi, Ketki , Department of Biotechnology, School of Bioengineering, SRM IST, Kattankulathur, Chennai - 603203, India Joshi, Keya , Department of Biotechnology,	Ingenta Connect	February 2023, pp. 181-191(11)	SCI	yes	https://doi.org/10.1080/00985445.2021.2012462
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			School of Bioengineering, SRM IST, Kattankulathur, Chennai - 603203, India Shariffa, Nasrin , Department of Biotechnology, School of Bioengineering, SRM IST, Kattankulathur, Chennai - 603203, India					
4.	Lipid Extraction from freshwater and marine microalgae using confined impinging jet mixer	Gaurav Kumar Poricha Department of Chemical Engineering, SRMIST, Kattankulathur, Chennai, Tamilnadu - 603203, India.	Venkatesh Prabhu M, Department of Biotechnology, SRMIST, Kattankulathur, Chennai, Tamilnadu - 603203, India. Ashish Kapoor, Department of Chemical Engineering,	AIP Conference Proceedings	2023, February 27	Scopus	Yes	https://doi.org/10.1063/5.0100927

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			SRMIST, Kattankulathur, Chennai, Tamilnadu - 603203, India. Balasubramanian Sivasamy - Department of Chemical Engineering, KPR Institute of Engineering and Technology, Coimbatore - 641407.					
5.	Impact on the effect of acetic acid in its aqueous forms on environments and its separation methods	K. Suresh Department of Chemical Engineering, SRMIST, Kattankulathur, Chennai, Tamilnadu - 603203, India.	Balasubramanian Sivasamy - Department of Chemical Engineering, KPR Institute of Engineering and Technology, Coimbatore - 641407. K. Sofiya, Department of	AIP Conference Proceedings	2023	Scopus	Yes	https://doi.org/10.1063/5.0101145

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			Chemical Engineering, SRMIST, Kattankulathur, Chennai, Tamilnadu - 603203, India.					
6.	Modelling and multi-objective optimization of parameters in fabrication and performance analysis of polyvinylidene fluoride spiral wound membrane modules	Venkatesh Prabhu Murugesan, Fermentation Engineering Lab, Department of Biotechnology, School of BioEngineering, SRMIST, Kattankulathur, Chennai, Tamilnadu - 603203, India	Shreyasi Ghosh - Fermentation Engineering Lab, Department of Biotechnology, School of BioEngineering, SRMIST, Kattankulathur, Chennai, Tamilnadu - 603203, India. Aditi Tulshyan - Fermentation Engineering Lab, Department of Biotechnology, School of BioEngineering,	Polymer Bulletin - Springer	289, 22, 4361, July 2022	SCI	Yes	doi.org/10.1007/s00289-022-04361-5

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			<p>Chemical Engineering, SRMIST, Kattankulathur, Chennai, Tamilnadu - 603203, India.</p> <p>Selvam Karuppasamy - Department of Chemical Engineering, SRMIST, Kattankulathur, Chennai, Tamilnadu - 603203, India.</p>					
7.	Modeling Strategies for Crude Oil-Induced Fouling in Heat Exchangers: A Review	Obaid ur Rehman, Department of Chemical Engineering, Universiti Teknologi PETRONAS, Seri Iskandar 32610, Perak, Malaysia,	Marappa Gounder Ramasamy , Department of Chemical Engineering, KPR Institute of Engineering and Technology, Arasur, Coimbatore 641407, India	Processes	29 March 2023	WoS	YES	https://doi.org/10.3390/pr11041036

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		Department of Chemical Engineering, University of Karachi, Karachi 75270, Pakistan	Nor Erniza Mohammad Rozali , Department of Chemical Engineering, Universiti Teknologi PETRONAS, Seri Iskandar 32610, Perak, Malaysia Shuhaimi Mahadzir , Ali Shaan Manzoor Ghumman, Department of Chemical Engineering, Universiti Teknologi PETRONAS, Seri Iskandar 32610, Perak, Malaysia, Abdul Hannan Quresh, Department of Chemical Engineering, Universiti Teknologi PETRONAS, Seri Iskandar 32610, Perak, Malaysia					
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8.	Control of the Multi-Timescale Process Using Multiple Timescale Recurrent Neural Network-Based Model Predictive Control	Ngiam Li Jian Department of Chemical Engineering, Universiti Teknologi PETRONAS, Bandar Seri Iskandar, 32610 Perak, Malaysia	Haslinda Zabiri Department of Chemical Engineering, Universiti Teknologi PETRONAS, Bandar Seri Iskandar, 32610 Perak, Malaysia Marappagounder Ramasamy KPR Institute of Engineering and Technology, Avinashi Road, Arasur, Coimbatore 641407, India	Industrial & Engineering Chemistry Research	APR 2023	SCOPUS	YES	https://doi.org/10.1021/acs.iecr.2c04114
9.	The conversion of biomass to fuels via cutting-edge technologies: Explorations from	Lalitha Gnanasekaran, Departamento de Ingeniería Mecánica, Chile	A.K.Priya, Department of Chemical Engineering, KPR Institute of Engineering and Technology,	Fuel	331, JAN 2023	SCI	Yes	https://doi.org/10.1016/j.fuel.2022.125668

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	natural utilization systems		Coimbatore S.Thanigaivel, Department of Biotechnology, Faculty of Science & Humanities, SRM Institute of Science and Technology, Kattankulathur, India, Tuan K.A.Hoang, Centre of Excellence in Transportation Electrification and Energy Storage, Canada, Matias Soto- Moscoso, Universidad Autónoma de Chile, Chile					
10	Biosorption of heavy metals by microorganisms: Evaluation of different underlying mechanisms	Dr.A.K.Priya, Department of Chemical Engineering, KPR Institute of Engineering and	Lalitha Gnanasekaran, Departamento de Ingeniería Mecánica, Chile, KingshukDutta, Central Institute of	Chemosphere	NOV 2022, 307	SCI	Yes	https://doi.org/10.1016/j.chemosphere.2022.135957

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		Technology, Coimbatore	Petrochemicals Engineering and Technology (CIPET), Bengaluru, Saravanan Rajendran, Departamento de Ingeniería Mecánica, Chile, Deepanraj Balakrishnan, College of Engineering, Saudi Arabia, MatiasSoto-Moscoso, Universidad Autónoma de Chile, Chile					
11	Metal-organic framework-enabled pesticides are an emerging tool for sustainable cleaner production and environmental hazard reduction	YasserVasseghia, Soongsil University, South korea	Priya Arunkumar, KPRIET, Sang- WooJoo, Universidad de Tarapacá, Lalitha Gnanasekaran, Universidad de Tarapacá, HesamKamyab, Saveetha Institute of Medical and	Journal of Cleaner Production	NOV 2022, 373, 133966	SCI	Yes	https://www.sciencedirect.com/science/article/pii/S0959652622035387?dgcid=coauthor

			Technical Science, Chennai, Saravanan Rajendran, Universidad de Tarapacá, Deepanraj Balakrishnan, Prince Mohammad Bin Fahd University, ShreeshivadasanChell iapan, Universiti Teknologi Malaysia, Jiří JaromírKlemeš, NETME Centre					
12	Algal degradation of microplastic from the environment: Mechanism, challenges, and future prospects	A.K.Priya, KPRIET	A.JalilbcKingshukDut tadSaravananRajendr aneYasserVasseghianf gHassanKarimi- MalehhMatiasSoto- Moscoso	Algal Research	SEP, 2022, 67, 102848	SCI	Yes	https://www.sciencedirect.com/science/article/abs/pii/S2211926422002193
13	Emerging waste-to- wealth applications of fly ash for environmental	Hong-Ha T. Nguyen	Ha Tran Nguyen, Shams Forruque Ahmed, Natarajan Rajamohan,	Environmenta l Research	JUNE, 2023	SCI	Yes	https://doi.org/10.1016/j.envres.2023.115800

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	remediation: A review		Mohammad Yusuf, Ajit Sharma, Priya Arunkumar , Balakrishnan Deepanraj, Huu-Tuan Tran i, Adel Al-Gheethi k, Dai-Viet N. Vo					
14	Clean-Up of Heavy Metals from Contaminated Soil by Phytoremediation: A Multidisciplinary and Eco-Friendly Approach	Dr.A.K.Priya , Department of Chemical Engineering, KPR Institute of Engineering and Technology, Coimbatore	Muthiah Muruganandam , Project Prioritization, Monitoring & Evaluation and Knowledge Management Unit, ICAR-Indian Institute of Soil & Water Conservation (ICAR-IISWC), Dehradun 248195, India Sameh S. Ali, Biofuels Institute, School of the Environment and	Toxics	MAY, 2023	SCI	Yes	https://doi.org/10.3390/toxics11050422

			<p>Safety Engineering, Jiangsu University, Zhenjiang 212013, China and Michael Kornaros, Department of Chemical Engineering, University of Patras, 1 Karatheodori Str., University Campus- Rio, 26504 Patras, Greece</p>					
15	<p>Effect of Nitrogen, Salinity, and Light Intensity on the Biomass Composition of Nephroselmis sp.: Optimization of Lipids Accumulation (Including EPA)</p>	<p>Savvas Giannis Mastropetros, Laboratory of Biochemical Engineering & Environmental Technology (LBEET), Department of Chemical Engineering, University of</p>	<p>Konstantina Tsigkou, Laboratory of Biochemical Engineering & Environmental Technology (LBEET), Department of Chemical Engineering, University of Patras, 26504 Patras, Greece</p>	Marine drugs	May 2023	SCI	Yes	<p>https://www.mdpi.com/1660-3397/21/6/331</p>

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		Patras, 26504 Patras, Greece	Yannis Cladas , Department of Animal Production, Fisheries & Aquaculture, University of Patras, Mesolonghi, 30200 Nea Ktiria, Greece Arun Kumar Priya Department of Chemical Engineering, KPR Institute of Engineering and Technology, Coimbatore 641407, India Michael Kornaros Project Prioritization, Monitoring & Evaluation and Knowledge Management Unit, ICAR-Indian Institute of Soil & Water Conservation (ICAR-					
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			IISWC), Dehradun 248195, India					
16	Removal of Hexavalent Chromium using Emulsion Liquid Membrane with jet mixer-a continuous approach	Dr G Surendran Department of Chemical Engineering, KPR Institute of Engineering and Technology, Coimbatore - 641407.	Dr. S. Kavitha Department of Petrochemical Engineering, JCT College of Engineering and Technology, Coimbatore. Saroj Sundar Baral Department of Chemical Engineering, BITS, Goa	Chemical Engineering & Technology	February, 2023	SCI	Yes	https://onlinelibrary.wiley.com/doi/abs/10.1002/ceat.202200183
17	Synthesizers of Nanocatalyst for the Biodiesel from Tannery sludge; Characterization and Optimization	Karunakaran Saravanan, Department of Chemical Engineering, KPR Institute of Engineering and Technology,	Vijaya Kumar Booramurthy, Department of Petrochemical Engineering, RVS College of Engineering and	Theoretical Foundations of Chemical Engineering	56, 6, (1140-1146), JAN 2023	SCI	Yes	10.1134/S0040579522060240

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		Coimbatore - 641407.	Technology, Coimbatore – 641402. Sivakumar Pandian, School of Petroleum Technology, Pandit Deenadayal Energy University, Gandhinagar, 382426. Ravishankar Sathyamurthy, Department of Mechanical Engineering, KPR Institute of Engineering and Technology, Coimbatore - 641407.					
18	Investigation on the Mechanical Properties of Powder Metallurgy-	R. Srinivasan Sri Krishna College of Technology,	S. Karunakaran Department of Chemical Engineering, KPR Institute of	Advances in Materials Science and Engineering	MAY, 2023	Scopus	Yes	Article ID 3085478

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	Manufactured AA7178/ZrSiO4 Nanocomposites	Coimbatore, Tamilnadu, India	Engineering and Technology, Coimbatore, M. Hariprabhu Department of Electrical and Electronics Engineering, M. Kumarasamy College of Engineering, Karur, Tamilnadu, India R. Arunbharathi Department of Mechanical Engineering, Sri Krishna College of Engineering and Technology, Coimbatore, Tamilnadu, India					
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19	Experimental investigation on the impact of mechanical properties of SiC, Al ₂ O ₃ and ZrSiO ₄ particles on AA6063 composites	S. Vinothkumar Department of Mechanical Engineering, KSR College of Engineering, Tiruchengode, Namakkal, Tamilnadu, India	S. Karunakaran Department of Chemical Engineering, KPR Institute of Engineering and Technology, Coimbatore, N. Jayanthi Department of Physics, R.M.K College of Engineering and Technology, Chennai, Tamilnadu, India Mohan G.Bodkhe NMIMS, Mukesh Patel School of Technology Management & Engineering, Mumbai, India	Materials Today: Proceedings	MAY, 2023	Scopus	Yes	www.elsevier.com/locate/matpr
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			Hemambika Sadasivuni Department of Chemistry, St. Martin's Engineering College, Secunderabad, Telangana, India					
20	A smart Irrigation system based on machine learning for effective plant development	Dr.T. Rajasekaran Sri Venkateswara College of Engineering, Sriperumbudhur, Chennai, Tamilnadu	Dr R Umapriya Department of Chemical Engineering, KPR Institute of Engineering and Technology, Coimbatore - 641407. Dr K P Vetrivel Department of Mechanical Engineering, M.P.Nachimuthu M.Jeganathan	International Journal for Food and Nutritional Sciences	Vol.11, 1, 2022	Scopus	Yes	https://www.ijfans.org/issue-content/a-smart-irrigation-system-based-on-machine-learning-for-efficient-plant-development-932

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			Engineering College, Erode.					
21	Optimal Feature Selection and Classification Using Convolutional Neural Network-Based Plant Disease Prediction	Prasanna Kumar Lakineni Department of Computer Science and Engineering, Dadi Institute of Engineering & Technology, Visakhapatnam, India	D Jayanarayana Reddy Department of Computer Science and Engineering, G Pullaiah College of Engineering and Technology, Andhra Pradesh, India M. Chitra Department of Electronics and Communication Engineering, Rajalakshmi Institute of Technology, Chennai, India R Umapriya Department of Chemical	IEEE XPLORE	APRIL 2023	SCOPUS	YES	https://doi.org/10.1109/ICICA-CS57338.2023.10099630

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			Engineering, KPR Institute of Engineering and Technology, Coimbatore, India L. Vadivel Kannan Department of Mechanical Engineering, PSNA College of Engineering and Technology, Dindigul, India					
22	Preparation of Breadfruit Leaf Biochar for the Application of Congo Red Dye Removal from Aqueous Solution and Optimization of Factors by RSM-BBD	Dr. M. Laxmi Deepak Bhatlu, Department of Chemical Engineering, KPR Institute of Engineering and Technology, Coimbatore - 641407.	PS Athira-Buckman Laboratories (India) Pvt Ltd, Chennai, Tamil Nadu-600031, India Neethu Jayan-Department of Chemical Engineering, Texas Tech University, Lubbock, TX 79409, United States	Adsorption Science & Technology	FEB, 2023	SCI	Yes	https://www.hindawi.com/journals/ast/2023/7369027/

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			Debabrata Barik- Department of Mechanical Engineering, Karpagam Academy of Higher Education, Tamil Nadu-641021, India					
23	Optimization of process parameters by RSM-BBD for the removal of titan yellow dye from aqueous solution by acid-treated Phyllanthus acidus leaves	Chandradhwaj Nayak, Department of Chemical Engineering, Indira Gandhi Institute of Technology, Sarang, Odisha, 759146, India	Babitha Babu & V. Manoj Department of Chemical Engineering, Karpagam Academy of Higher Education, Coimbatore, Tamil Nadu, 641021, India Chelluboyana Vaishnava Raghunath & Poornima Pandey Chemical Engineering Department, BIT Sindri, Dhanbad,	Biomass Conversion and Biorefinery	JUNE, 2023	SCI	YES	https://link.springer.com/article/10.1007/s13399-023-04474-5

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