

DEPARTMENT OF CHEMICAL ENGINEERING

List of Publications for the AY 2020-21

(1st June/ July 2020 to till date)

S. No	Author	Article Title	Journal/ conference	(Journal -J /Conference --C)	Indexed (Scopus / Web of Sc.)	Month & Year of Publication	Impact Factor (if any)	Department
1	M.B.Venkata Ramana Reddy, M.Mukunda Vani	Study of flow patterns of <i>Anabaena ambigua</i> culture in an external loop airlift photobioreactor with cross-shaped sparger using Computational Fluid Dynamics analysis	Journal of Biochemical Technology, vol-11, Issue-3, Page: 1-7	J	WOS , ESCI	August 2020	--	Chemical Engineering
2	M.Mukunda Vani, R.Satish Babu, M.B.Venkata Ramana Reddy	Process Variable Optimization for the Liquefaction of Guava Fruit Pulp using Soluble Enzyme by Response Surface Methodology	Journal of Biochemical Technology, vol-11, Issue-3, Page: 68-76.	J	WOS , ESCI	August 2020	---	Chemical Engineering
3	N.Vaishnavi, M.Shireesha, V. SessaSai Kumar N.Rama	Equation Of State Models To Study Compression Behavior Under Pressure: Zno Nanoparticles As An Example	Solid state Technology. Volume - 63,Issue-5,Page No: 368-370	J	SCOPUS	August 2020	--	Chemical Engineering

4	T.Vijaya Kumar, Purushotham Theegala, M.Mukunda Vani	Experimental investigation of temperature dependent dynamic viscosity of SiO ₂ -water nanofluid at various concentrations	International journal of advanced research in engineering and technology (IJARET), Volume 11, Issue 12, Page: 2599-2608.	J	SCOPUS	December 2020	--	Chemical Engineering
5	M. Mukunda Vani , Yasser Mirza Baig , Caroline Wesley and Syed Rashid Iqbal	Sustainable Project-Based Learning: A More Practical Approach	Journal of Engineering Education Transformations , 34 (2021): 718-724.	J	SCOPUS, UGC-CARE, EBSCO	January 2021	--	Chemical Engineering
6	D. Pratibha, P Anurag, C Nagamani, D Shruthi Keerthi	Impact of Industry collaboration in developing core engineering departments	Journal of Engineering Education Transformations , 34 (2021): 468-476	J	SCOPUS, UGC-CARE, EBSCO	January 2021	--	Chemical Engineering
7	Jaikishan Chandrana, P.L.V.N. Saichandra	Production of Bioplastics from Banana Peels	International Journal of Scientific Research and Engineering Trends (IJSRET), Vol. 7, Issue 1, Page: 131-133.	J	Google scholar	Jan- Feb- 2021	--	Chemical Engineering

8	M. Shireesha, Yaseer Mirza Baig, C. Sarita, Syed Rashid Iqbal, Caroline Wesley, N.Vaishnavi	Bio-Oil Extraction from the Shells of Cocos Nucifera – A Source of Generating Renewable Energy and Its Analysis	International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-10 Issue-7. Page: 1-10.	J	SCOPUS	May 2021	--	Chemical Engineering
9	M.Mukunda Vani, Purushotham Theegala, M.B.Venkata Ramana Reddy, T.Vijaya Kumar	Investigations on Antibacterial compounds present in different solvent extracts of <i>Azardirachta Indica</i>	Ecology, Environment and Conservation	J	SCOPUS	Accepted for Publication in 2021 October Supplement Issue	--	Chemical Engineering
International/National Conferences								
1	D. Pratibha, P Anurag, C Nagamani, D Shruthi Keerthi	Impact of Industry collaboration in developing core engineering departments	Eighth International conference on Transformation in engineering education.	C	--	January 2021	--	Chemical Engineering
2	Ashish Natarajan, T. Shwetha Shree, D. Shruthi Keerthi	Plastic waste management and recycling plastic bricks	CHEMCON- 2020, Organized by IICHE- Hyderabad	C	--	December 27-29, 2020	--	Chemical Engineering

3	P. L. V. N. Saichandra	Significance of chemical sciences in prevention of COVID-19 pandemic	SCSPCP-2020, Anjangaon Surji, Maharashtra.	C	--	June 2020	--	Chemical Engineering
4	P. L. V. N. Saichandra, G. B. Radhika, Satyanarayana	Studies on removal of copper using graphene from wastewater	ICRTSH-2020	C	--	September 2020	--	Chemical Engineering
Book Chapters								
1	Rahul Kumar, Uttam Kumar Neerudu, Ragini Gothalwal, Swati Mohapatra, Pallav Kauhsik Deshpande, M. Mukunda Vani, Ramchander Merugu	Bioprocess Parameters for Thermophilic and Mesophilic Biogas Production: Recent Trends and Challenges	Published in: Bioenergy Research: Basic and advanced concepts. DOI: 10.1007/978-981-33-4611-6_8. Publisher: Springer Singapore	B	--	March 2021	--	Chemical Engineering
2	V. Sessa sai kumar, M. Shireesha, N. Rama, Yaseer Mirza Baig, C.Sarita, Syed Rashid Iqbal, R. S. Amrutha Varshini, Caroline wesely	Transformation of diary production in India: A simplified review.	Published in: Agriculture and Food. ESN publications. ISBN: 978-93-90781-05-8	B	--	2021	--	Chemical Engineering

Patents

S. No	Year of Application	Patent Application No.	Inventor (Name1, Name2,...)	Status (Filed / Published / FER / Granted)	Patent Title
1	2021	2021101099	Ramesh Chandra Panda, Pranati Rakshit , Tanya Garg, Lakshmi D, M. Mukunda Vani , R. Venkat Reddy, Jyoti Snehi, Ram Krishn Mishra, Sumanta Bhattacharya, Sonali Bhattacharyya, Lokanatha Dhall Samanta, Ravinder Goyal, Anupam Garg.	Published	A Novel Indigenous Sustainable Vaccine Carrier for Maintenance of Cold Chain
2	2021	2021101539	Manimaran A, Avinash lakshmikanthan, Neeraja B, Tasneem Bano Rehman, Roohi Ansari, Shiv Pratap Singh Yadav , Vijendra Babu D, Narayanaswamy C, Saichandra P L V N , Parasuraman S, Veeramalai G, Jenopaul P.	Published	System and method for indoor clothes dryer using direct transportation of solar Light