



Department of Chemical Engineering

On 28-02-2020, CBIT signed MoU with M/s. CSIR-Indian Institute of Chemical Technology, Hyderabad to work in Partnership for R&D projects, Training programs/ Workshops, Research and Capacity Building programs including Certification programs.

S.N	Name of Faculty	Title of the project	Funding agencies	Year	Funding amount (in Rs. Lacs)	Status	Role
1	Harsha Nagar	Novel cost-effective water treatment tap filter for household applications	TSCOST	2019 - 2020	4.5	Submitted	PI
2	Harsha Nagar	Biochar based controlled release nitrogen fertilizers with Reduced Nitrogen leaching, volatilization and N ₂ O emissions	TSCOST	2019 - 2020	5	Submitted	CO-PI
3	Harsha Nagar	An Integrated Biorefinery approach for Valorization of waste Marigold flowers.	DST	2019 - 2020	27.63	Submitted	PI
4	Harsha Nagar	Post-Harvest Green Wastes Valorization as a Sustainable Source of Fuels, Nutraceuticals, Biomaterials and Chemicals	DST International call for Proposal	2019 - 2020	22.8	Submitted	PI
5	Harsha Nagar	Process scale up for conversion of plastic waste to generator fuel, paver block/brick and plastic granules with process wastewater treatment	DST WMT	2020 - 2021	32.01	Submitted	PI

Joint Publications = 03

S. No	Author's Name, Title of Paper, Journal Name, Volume, issue and Year.	DOI	Impact Factor	Scopus Indexed
	Harsha Nagar , Vineet Aniya, P. Mondal, High proton conductivity dual modified ionic crosslink membrane for fuel cell application at low humidity condition with molecular dynamics simulations. Renewable Energy. 160, 2020, 1036-1047.	https://doi.org/10.1016/j.renene.2020.06.026	6.274	Elsevier
	Harsha Nagar , Vineet Aniya, Microporous Material Induced Composite Membrane with Reduced Oxygen Leakage for MFC Application. Journal of Environmental Chemical Engineering, 8, 5, 2020, 104117	https://doi.org/10.1016/j.jece.2020.104117	4.3	Elsevier

	Abhilash Reddy, Harsha Nagar , Bankupalli Satyavathi, Vineet Aniya (2020) Phase equilibria and thermophysical properties of dibromomethane: Measurement and correlation studies. Journal of Molecular liquids, 306, 2020,11297.	https://doi.org/10.1016/j.molliq.2020.112917	5.065	Elsevier
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International Conferences: 02

- Saranya Ch, Harsha Nagar, Vineet Aniya, Raja Rao, Biochar Valorization for Kitchen Wastewater Treatment through Microbial Fuel Cell, CHEMCON 2020, 129.
- Naresh Kathula, Dhiraj Ingle, Rakesh Velagala, Alka Kumari , Harsha Nagar , Vineet Aniya, Selective Hydrogenation of 2-Furoic Acid to Tetrahydro-2-Furoic Acid Over Heterogeneous Catalyst, CHEMCON 2020, 195.