

Research Projects (2022-2025)

S. No.	Name of the Faculty	Project Title	Project Type Research/ Consultancy	Funding Agency	Amount (Lakhs)	Duration
2022-23						
1	M. Kalyan Kumar	Remove of Pollutants from Municipal wastewater by Electrocoagulation.	Research Project	RSG, JNTUA	1.0	2022-2024
2023-24						
2	Prashant Kumar Gupta, Dilip Kumar Behara	Hydrogen Production via Selective Seawater Electrolysis by Use of Polymorphic MnO ₂ Structure as Diffusion Blocking Layer and Scale up Approach.	Research Project	DST-SERB	36.57	2024-2027
3	Dilip Kumar Behara, S. V. Satyanarayana, Prashant Kumar Gupta	Heteroatom Doped metal oxide heterostructures and nanocarbons as efficient electro-catalysts for electro-catalytic applications	Research Project	RUSA, Govt. of A.P.	12	2024-26
4	S. V. Satyanarayana, Dilip Kumar Behara,	Synthesis & Characterization of Mixed Matrix Membranes (MMM) for Esterification/ Etherification Reactions in Pervaporation Membrane Reactors	Research Project	RUSA, Govt. of A.P.	11	2024-26
5	Prof. T. Bala Narsaiah	Printable high energy storage materials for portable devices based on nanomaterials	Research Project	RUSA, Govt. of A.P.	11	2024-26
2024-25						
6	S. V. Satyanarayana, Dilip Kumar Behara Prof. B. Eswar Reddy	Nanoparticle-Infused Polymer Composite Membranes for Ethanol-Water and Hydrogen Separation: Leveraging AI & ML Techniques for Performance Forecasting and Parameter Fine-tuning	Research Project	IIT Hyderabad (Hub Institute) to TheAnusandhan National Research Foundation (ANRF)	175.8	In Pipeline

7	Prof. Dilip Kumar Behara Prof. GV Subba Reddy Prof. C. Shobha Bindu	Sol-gel Assisted Synthesis and Characterization of High Entropy Metal Phosphides (HEMPs) for Energy Storage Applications	Research Project	IIT Hyderabad (Hub Institute) to TheAnusandhan National Research Foundation (ANRF)	170.4	In Pipeline
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Consultancy Projects:

AY : 2022-23

S. No.	Name of the Faculty	Project Title	Project Type Research/ Consultancy	Funding Agency	Amount (in Lakhs)	Duration
1	Dr. B. Dilip Kumar	Electrochemical techniques for heavy metal detection and removal of Pharmaceuticals in wastewater with different Sensing platforms.	Consultancy Project	Meditronix Labs Pvt. Ltd., Kanpur.	10.22	Dec 2022 - Till date

AY :2023-24 : Nil

AY :2024-25: Nil