

Ph.D Projects: in-progress

S. No	Title of Research	Scholar Name	Supervisor / Co-Supervisor	Start Date
1	Synthesis of Molybdenum foam based Sulfided derivative Cathodes for Hydrogen Generation.	Mr. Muhammd Ahmed Memon	Dr. Faaz Ahmed Butt / Dr. Saad Nadeem	2019
2	Development of Enhanced Polymeric Material for Commodity Application	Mr. Raza Muhammad Khan	Dr. Asim Mushtaq	2020
3	Development of Metal Oxide Based Engineered Nano Materials for Sustainable Agriculture Application	Ms. Kainat Amin Ismail Bora	Prof. Dr. Saud Hashmi / Dr. Zainul Abideen	2020
4	Intelligent Control on Vinyl Chloride Monomer Production Process	Ms. Tuba Siraj Ansari	Dr. Syed Ali Ammar Taqvi	Spring 2021
5	Development of Novel Nanostructured Transition Metal Based Carbon Cathode Material for Lithium air Batteries	Ms. Aisha Jilani	Prof. Dr. Zahoor Ul Hussain Awan / Dr. Syed Ali Ammar Taqvi	Spring 2021
6	Inhibition and Mitigation of asphaltene precipitation in crude oils using chemical additives	Mr. Syed Imran Ali	Dr. Javed Haneef / Prof.Dr. Zahoor Ul Hussain Awan	Spring 2021
7	Developing engineered nanoparticles (ENPs) based drilling fluid for improved drilling in the shale formation	Mr. Shaine Mohammadali	Dr. Javed Haneef / Prof.Dr. Saud Hashmi	Spring 2021
8	Development of Nitrile Butadiene Rubber (NBR) Nano-Composite.	Ms. Asra Nafees	Prof. Dr. Saud Hashmi	Spring 2021
9	Physio-chemical pre-treatment of biomass for enhancement of Bio-Methane Production By Anaerobic Digestion	Mr. Ghulam Mustafa Memon	Dr. Asim Mushtaq / Dr. Saad Nadeem	Fall 2021

10	Municipal Solid Waste Management and Waste to Energy using Pyrolysis method.	Mr. Shahzad	Dr. Syed Ali Ammar Taqvi / Dr. Asif Ahmed Shaikh	Spring 2022
11	Integrated Waste-to-Energy Process for Municipal Solid Waste Management: A Step Toward Sustainable Circular Economy	Mr. Syed Muhammad Hasnain	Dr. Syed Ali Ammar Taqvi	Spring 2022
12	Model Correction Algorithm for improvement of Model Predictive Control Performance of Nonlinear Systems.	Ms. Zaha Naseem	Dr. Fahim Uddin	Spring 2023