

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	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
9	Municipal Solid Waste Management and Waste to Energy using Pyrolysis method.	Mr. Shahzad	Dr. Syed Ali Ammar Taqvi / Dr. Asif Ahmed Shaikh	Spring 2022

10	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
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