



DEPARTMENT OF PETROCHEMICAL TECHNOLOGY

University College of Engineering - BIT Campus
Anna University, Tiruchirappalli - 620 024.

FUNDED PROJECTS - STUDENTS

| S. No. | Name of the Student | Mentor Name | Title of the Project | Funding Agency | Amount Sanctioned |
|--------------------|--|-------------------------------------|--|--------------------------------|-------------------|
| 2025 - 2026 | | | | | |
| 1 | Ms.M. Kaviya Mr.M. Chandru | Dr.N. Jaya | Modified Orsat Apparatus for Multi-gas Analysis with Aspen Simulation | CSRC, Anna University Chennai | Rs. 21000 |
| 2 | Ms.A.R. Harini Ms. K. Anand Ms.M. Sangavi | Dr.M. Arulmozhi | Portable Cold Storage Box (Nanocooler) | CSRC, Anna University Chennai | Rs. 19000 |
| 3 | Karthika K Swetha | Dr. M. Rengasamy | Development of modified nano-zeolite catalyst for low temperature catalytic cracking | CSRC, Anna University, Chennai | Rs.18,000 |
| 2024 - 2025 | | | | | |
| 1 | Mr.K. Madhavan Mr.O. Siddharthan Mr.M. Logesh Raja | Dr.K. Kumaraguru Dr.M. Arulmozhi | Nano Fertilizers for enhancing soil carbon sequestration in Precision agriculture | CSRC, Anna University Chennai | Rs. 25000 |

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|--------------------|---|-------------------|---|--|------------|
| 2 | Mr.S.V. Dinesh Ram Ms.S.T. Swetha Mr.S. Abdul Wahid | Dr.E. Gomathi | Development of Kcarrageenan based composite gel for food packaging using DIW 3d printing technology | CSRC, Anna University Chennai | Rs. 25000 |
| 2023 - 2024 | | | | | |
| 1 | Ms. Nishika B S | Dr.M. Arulmozhi | Plastic degradation by microwave treatment | Tamil Nadu Science and Technology (TNSCST), Govt of Tamilnadu | Rs. 7500 |
| 2022 - 2023 | | | | | |
| 1 | Akash G, Monish V, Selvavisagan B | Dr. S. Venkatesan | Reduction of pour point and Wax deposition in Diesel fuel using Vegetable Oil Additives | Centre for Sponsored Research and Consultancy (CSRC), Anna University, Chennai | Rs. 25,000 |
| 2 | Nicholas Jones S Sooria Narayen J | Dr. S. Venkatesan | Deep desulphurisation of liquid fuels using ionic liquids | Centre for Sponsored Research and Consultancy (CSRC), Anna University, Chennai | Rs.25,000 |
| 3 | Enayah Dastagir Subhashini T | Dr. M. Rengasamy | Design and Fabrication of Suction Pump for Removal of Oil Spills from Sea Water | Centre for Sponsored Research and Consultancy (CSRC), Anna University, Chennai | Rs.25,000 |
| 4 | Mohamed Yasir M Shiva Shakthi Kumar S | Dr. M. Rengasamy | Design and Fabrication of Portable Fuel Extractor from a Used Masks and PPE Kits of Covid-19 | Centre for Sponsored Research and Consultancy (CSRC), Anna University, Chennai | Rs.25,000 |

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|---|---|-------------------|--|---|------------|
| 5 | Selva Visagan B | Dr. S. Venkatesan | A systematic analysis of endocrine disturbing chemicals elimination in aquatic environment | Indian Institute of Chemical Engineers (IICHE), Kolkata | Rs. 10,000 |
| 6 | Arnica. G Thanga Varsha. M | Dr. N. Jaya | Development of cross-linked PU-PS hydrophobic coatings from castor oil | Indian Institute of Chemical Engineers (IICHE), Kolkata | Rs. 10,000 |
| 7 | Aadhithyan. A Gurudeshnamoorthy N Vishnuvaradhan. N | Dr. N. Stalin | Reclamation of Used Engine oil by Lab Scale Method. | Tamil Nadu Science and Technology (TNSCST), Govt of Tamilnadu | Rs. 7,500 |
| 8 | Jeevananth. S Habip Rahuman. K Vishnu. S | Dr. N. Stalin | Pilot model study for Combined Heat and Power application in Sugar Plant | Tamil Nadu Science and Technology (TNSCST), Govt of Tamilnadu | Rs. 7,500 |

2019 - 2020

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|----|---|-------------------|---|--|------------|
| 9 | Veeramani. M Ambrose Thiagaraja. | Dr. M. Arulmozhi | Development and demonstration of the ultra efficient nano filter system for recycling of textile effluents | Centre for Technology Development and Transfer (CTDT) Anna University, Chennai | Rs. 25,000 |
| 10 | Tamizhazhagan. M Seenivasan. V Varunn. P | Dr. M. Arulmozhi | Biodegradation of oil spills by indigenous actionobacteria originated from hydrocarbon contaminated soil | Centre for Technology Development and Transfer (CTDT) Anna University, Chennai | Rs. 25,000 |
| 11 | Abinaya. M Bharath. R | Dr. M. Arulmozhi | Design and fabrication Of biocompatible core-shell nonocomposites for the enhanced antioxidant and antimicrobial activities | Centre for Technology Development and Transfer (CTDT) Anna University, Chennai | Rs. 25,000 |
| 12 | Amarnath. M Ramya. R | Dr. S .Venkatesan | Deep desulphurisation of liquid fuels using ionic liquids | Centre for Technology Development and Transfer (CTDT) Anna University, Chennai | Rs. 25,000 |
| 13 | Krishna Theja. V Manojkumar. S Vijayakumar. V | Dr. M. Rengasamy | Design and Fabrication Of One Step Oil Removal From Crude Oil Spills Using Novel Adsorbent | Centre for Technology Development and Transfer (CTDT) Anna University, Chennai | Rs. 25,000 |

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|----|--|------------------|---|---|-----------|
| 14 | Krishna Theja. V Manojkumar. S Vijayakuma. V | Dr. M. Rengasamy | Fabrication of capillary action crude oil removal and recovery model to clean up oil spills | Tamil Nadu Science and Technology (TNSCST), Govt of Tamilnadu | Rs. 7,500 |
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2018 - 2019

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|----|--------------------------|-------------------|---|---|-----------|
| 15 | Abirami. R Saranya. R | Dr. S. Venkatesan | Deep desulphurisation of liquid fuels using ionic liquids | Tamil Nadu Science and Technology (TNSCST), Govt of Tamilnadu | Rs. 7,500 |
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2015 - 2016

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| 16 | Surendhar. A. D | Dr. M. Arulmozhi | Control of Non-linear fermentation process for the cultivation of actinomycetes and its application for the treatment of petroleum waste water | TEQIP – II, UCE, BIT Campus, Tiruchirappalli | Rs. 10,000 |
| 17 | Saranya. S | Dr. M. Arulmozhi | Removal of heavy metal ions in aqueous solution by musk melon seeds assisted synthesis of PVA nanocomposite | TEQIP – II, UCE, BIT Campus, Tiruchirappalli | Rs. 10,000 |
| 18 | Govindaraj. P | Dr. S. Venkatesan | Removal of phenol from aqueous solution using organic solvent +ionic liquid | TEQIP – II, UCE, BIT Campus, Tiruchirappalli | Rs. 10,000 |
| 19 | Harsha Vardhan. S Rajamanickam. A Mohamed Thowfeek. | Dr. K. Kumaraguru | Comparative study of Removal of Crude oil by using sugarcane bagasse, rice hucks and wood dust | TEQIP – II, UCE, BIT Campus, Tiruchirappalli | Rs. 10,000 |
| 20 | Arun Pandiyan. K. Sathiya Barani. K Tamilalagan. S | Dr. K. Kumaraguru | Reclamation of lube oil from used Engine oil by solvent extraction | TEQIP – II, UCE, BIT Campus, Tiruchirappalli | Rs. 10,000 |
| 21 | Logesh, R Mohammed Halith. A | Dr. N. Jaya | Analysis of various pretreatments for the conversion of Rice straw into ethanol using fungi trichoderma viride F94 | TEQIP – II, UCE, BIT Campus, Tiruchirappalli | Rs. 10,000 |
| 22 | Murugavel. S Selvam. E Raju. M | Dr. N. Jaya | Removal of Oil from water using of calotropis Gigantea as an adsorbant | TEQIP – II, UCE, BIT Campus, Tiruchirappalli | Rs. 10,000 |

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| 23 | Mugundhan. N Rameshkumar. A Parthasarathy. R | Dr. M. Rengasamy | Production of Biodiesel from Hostel waste cooking oil chalk powder as a catalyst | TEQIP – II, UCE, BIT Campus, Tiruchirappalli | Rs. 10,000 |
| 24 | Shriram. V. A. Murali. M. | Dr. E. Gomathi | Treatment of tannery effluent using electrocoagulation | TEQIP – II, UCE, BIT Campus, Tiruchirappalli | Rs. 10,000 |

2014 - 2015

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| 25 | Titus Praveen Kumar Satheesh T | Dr. T. Sekar | Batch Studies on Adsorption of waste oil by Poultry Feather | TEQIP – II, UCE, BIT Campus, Tiruchirappalli | Rs. 10,000 |
| 26 | Saranya T | Dr. M. Arulmozhi | Studies on Removal of 4-hlorophenol from Aqueous Solution using <i>Azadirachta Indica</i> and TRITON X-100 | TEQIP – II, UCE, BIT Campus, Tiruchirappalli | Rs. 10,000 |
| 27 | Hemalatha M | Dr. M. Arulmozhi | Investigations on semiconductor nanostructures based Hetero Junction Diode Interfaces for Solar Cell Applications | TEQIP – II, UCE, BIT Campus, Tiruchirappalli | Rs. 10,000 |
| 28 | Suriya K P | Dr. M. Arulmozhi | Preparation of Fe ₃ O ₄ / ZnO/ AuCore/Shell/Nanostructures for Resuable Photocatalytic Reactions used in Dye Degradation | TEQIP – II, UCE, BIT Campus, Tiruchirappalli | Rs. 10,000 |