

O/o. Academic Research

No. of students and Vacancy details under the guides.

Name of the Centre: CO2 Research and Green Technologies Centre

S. No.	Emp ID	Guide Name	Area of Expertise	School/ Centre	Total Scholar	Total Vacancy
1	11322	Dr. Senthil Kumar A	askumar@vit.ac.in Research interests: <ul style="list-style-type: none"> • Electrochemistry, Redox reactions & Electrocatalyst • Energy Materials, Super-capacitor, Zn-ion battery • Nanomaterials • Design and development of chemically modified electrodes • Electrochemical reduction of CO2 • Electrochemical and bioelectrochemical sensors 	CO2	6	0
2	12575	Dr. Kavitha M.S	kavitha.ms@vit.ac.in Research interests: <ul style="list-style-type: none"> • Bioenergy Technology • Alternate Fuel 	CO2	2	4
3	13605	Dr. Ranjitha J	ranjitha.j@vit.ac.in Research interests: <ul style="list-style-type: none"> • Chemical Reaction Engineering • Bio-fuel Production from Biomass • Phycoremediation • Bio-process Engineering • Electrochemical Engineering • Bio-diesel Production using organometallic catalysts • Hydrothermal Liquefaction • Bio-sensors, Bio-diesel 	CO2	6	0
4	13611	Dr. Vijayalakshmi S	vijayalakshmi.s@vit.ac.in Research interests: <ul style="list-style-type: none"> • Bio-chemical Engineering • Environmental Engineering • Bioremediation • Biogas Technology • Hydrocarbon derivative production from Microbe, Algal Technology • Bio-energy Technology 	CO2	6	0
5	14016	Dr. Murugavelh S	murugavelh.s@vit.ac.in Research interests: <ul style="list-style-type: none"> • Chemical Engineering • Bioprocess Engineering • Biofuels • Environmental Engineering 	CO2	2	4
6	14839	Dr. Thirumalini S	thirumalini.selvaraj@vit.ac.in Research interests: <ul style="list-style-type: none"> • Ancient materials • Structural materials 	CO2	6	0

			<ul style="list-style-type: none"> • Characterization • Conservation • Restoration • Carbon Sequestratio 			
7	15782	Dr. Velvizhi G	velvizhi.g@vit.ac.in Research interests: <ul style="list-style-type: none"> • CO2 Conversion to Value Added products • Biogas and Biofuel production • Solid Waste Management • Ecological Engineering systems 	CO2	5	1
8	17040	Dr. Ashish Alex Sam	ashishalex.sam@vit.ac.in Research interests: <ul style="list-style-type: none"> • Turbomachinery • Waste heat recovery systems • Carbon capture Technologies • Computational fluid dynamics • Cryogenic Engineering 	CO2	2	4
9	18924	Dr. Shanmugam R	shanmugam.r@vit.ac.in Research interests: <ul style="list-style-type: none"> • Computational catalysis • Small molecule activation and transformation • Reaction mechanism • Inter and intra molecular forces • Enzyme engineering • Renewable energy generation 	CO2	4	2
10	18925	Dr. Ramesh Kumar Singh	rameshkumar.singh@vit.ac.in Research interests: <ul style="list-style-type: none"> • Renewable Energy Technologies: Anion Exchange Membrane Fuel Cells and Electrolyzers • Electrochemistry, Nanomaterials, Corrosion • Electrocatalysts: Precious and Nonprecious metal catalysts, Metal-free Catalysts, Metal-oxide Supports • Fuel Oxidation: Hydrogen, Urea, Ammonia, Methanol, and Borohydride • Oxygen Reduction, NH3 Reduction and CO2 Reduction Reactions • Ion Exchange Membranes: Proton Exchange Membrane and Anion Exchange Membrane 	CO2	4	2
11	19564	Dr. Rajesh Kanna	rajeshkanna.p@vit.ac.in Research interests: <ul style="list-style-type: none"> • Fluid-Thermal Engineering • CFD Simulation • CO2 based thermal systems • Solar Energy • Nanofluids 	CO2	3	3
12	20041	Dr. Sreetama Ghosh	sreetama.ghosh@vit.ac.in Research interests: <ul style="list-style-type: none"> • Heterogeneous catalysis • CO2 capture • Electrochemical CO2 reduction 	CO2	1	5

			<ul style="list-style-type: none"> • Thermocatalytic CO2 hydrogenation • Water splitting 			
13	20148	Dr. Sarigamala Karthik Kiran	karthikkiran.sarigamala@vit.ac.in Research interests: <ul style="list-style-type: none"> • Electrochemistry • Energy Storage (Batteries & hybrid devices, Solid state electrolytes) • 2D Materials & Heterostructures • Transport at nano-interfaces, CDI 	CO2	2	4