

Name of the Centre: CO2 Research and Green Technologies Centre

Number of students and Vacancy details under the Faculty Members of CO2 Centre.

S. No.	Emp ID	Guide Name	Mail ID & Area of Expertise	Mobile Number	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 	9976890975	4	2
2	12575	Dr. Kavitha M.S	kavitha.ms@vit.ac.in Research interests: <ul style="list-style-type: none"> • Bioenergy Technology • Alternate Fuel • Hydrothermal carbonisation 	9597285814	3	3
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 	9952223180	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 	9791346604	6	0
5	14016	Dr. Murugavelh S	murugavelh.s@vit.ac.in Research interests: <ul style="list-style-type: none"> • Pyrolysis • Biogas Technology • Waste to Energy • Desalination • Purification of biofuels 	9445209683	1	5
6	14839	Dr. Thirumalini S	thirumalini.selvaraj@vit.ac.in Research interests: <ul style="list-style-type: none"> • Ancient materials • Structural materials • Characterization • Conservation • Restoration • Biomineralisation • Carbon Capture, Storage, Utilisation and Sequestration 	9444135437	6	0
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 	9963122496	5	1

8	17040	Dr. Ashish Alex Sam	ashishalex.sam@vit.ac.in Research interests: <ul style="list-style-type: none"> Hybrid membrane processes for CO₂ capture Modelling of CO₂ capture systems CFD of cryogenic carbon capture Turbomachinery design for hydrogen applications 	9474711747	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 	9092791423	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, Electro Chemical impedance spectroscopy (EIS) Electrocatalysts: Precious and Nonprecious metal catalysts, Metal-free Catalysts, Metal-oxide Supports Fuel Oxidation: Hydrogen, Urea, Ammonia, Methanol, and Borohydride Oxygen Reduction, N₂ Reduction and CO₂ Reduction Reactions Ion Exchange Membranes: Proton Exchange Membrane and Anion Exchange Membrane Aluminum Air Fuel Cells 	9956054815	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 	9942369531	3	3
12	20041	Dr. Sreetama Ghosh	sreetama.ghosh@vit.ac.in Research interests: <ul style="list-style-type: none"> Electrochemistry, 2D Materials, carbon based catalysts Electrochemical CO₂ reduction Electrochemical water splitting Heterogeneous catalysis 	9051056826	2	4
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 	7598349326	3	3