

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 Annamalai	askumar@vit.ac.in Research interests: • 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	5	1
2	10063	Dr. Senthil Kumar Arumugam	asenthilkumar@vit.ac.in Research interests: • Advanced Engg. Thermodynamics • Computational Fluid Dynamics • Renewable Energy Sources • Cryogenic Engineering • Fluid Mechanics • Refrigeration & Air Conditioning	9943729444	4	2
3	14016	Dr. Murugavelh S	murugavelh.s@vit.ac.in Research interests: • Pyrolysis • Biogas Technology • Waste to Energy • Desalination • Purification of biofuels	9445209683	3	3
4	19564	Dr. Rajesh Kanna	rajeshkanna.p@vit.ac.in Research interests: • Fluid-Thermal Engineering • CFD Simulation • CO2 based thermal systems • Solar Energy • Nanofluids	9942369531	5	1
5	14839	Dr. Thirumalini S	thirumalini.selvaraj@vit.ac.in Research interests: • Ancient materials • Structural materials • Characterization • Conservation • Restoration • Biomineralisation • Carbon Capture, Storage, Utilisation and Sequestration	9444135437	6	0
6	15782	Dr. Velvizhi G	velvizhi.g@vit.ac.in Research interests: • CO2 Conversion to Value Added products • Biogas and Biofuel production • Solid Waste Management • Ecological Engineering systems	9963122496	6	0
7	13605	Dr. Ranjitha J	ranjitha.j@vit.ac.in Research interests: • 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
8	13611	Dr. Vijayalakshmi S	vijayalakshmi.s@vit.ac.in	9791346604	6	0

			Research interests: • Bio-chemical Engineering • Environmental Engineering • Bioremediation • Biogas Technology • Hydrocarbon derivative production from Microbe, Algal Technology • Bio-energy Technology			
9	12575	Dr. Kavitha M.S	kavitha.ms@vit.ac.in Research interests: • Bioenergy Technology • Alternate Fuel • Hydrothermal carbonisation	9597285814	3	3
10	18924	Dr. Shanmugam R	shanmugam.r@vit.ac.in Research interests: • Computational catalysis • Small molecule activation and transformation • Reaction mechanism • Inter and intra molecular forces • Enzyme engineering • Renewable energy generation	9092791423	5	1
11	18925	Dr. Ramesh Kumar Singh	rameshkumar.singh@vit.ac.in Research interests: • 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	5	1
12	20041	Dr. Sreetama Ghosh	sreetama.ghosh@vit.ac.in Research interests: • 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: • Electrochemistry • Energy Storage (Batteries & hybrid devices, Solid state electrolytes) • 2D Materials & Heterostructures • Transport at nano-interfaces, CDI	7598349326	3	3