

Sl/No.	Students Group	Seminar Topic	Faculty Mentor
1	15BCH030 15BCH042 15BCH043	Enhancement of fuel properties using Nano-Lubricants	Dr. Swapnil Dharaskar
2	15BCH005 15BCH025 15BCH044	Synthesis of Glycoluril by use of heterogeneous catalysts	Dr. Pravin Kodgire
3	15BCH050 15BCH052 15BCH035	Heavy Metal extraction	Dr. Swapnil Dharaskar/ Dr. Pravin Kodgire
4	15BCH015 15BCH049	Metal organic frameworks and its application in Catalysis	Dr. Ashish Unnarkat
5	15BCH054	Polymers/Plastics Recycling - A Review on Present Scenario	Dr. Ashish Unnarkat
6	15BCH011 15BCH029 15BCH032	Decomposition of Peroxide - A Review on Catalyst and Applications	Dr. Ashish Unnarkat
7	15BCH002 15BCH007	Reclamation of waste polystyrene and its applications	Dr. Manish Sinha
8	15BCH017 15BCH027	Micellar Enhanced Ultrafiltration (MEUF) for the waste water treatment	Dr. Manish Sinha
9	15BCH063	Process Design, Simulation and Profitability analysis of production of Ethanolamines	Dr. Manish Sinha
10	15BCH064 15BCH003 15BCH046	A review on adsorption Studies of HUMIC ACID using various Adsorbents	Dr. Surendra Sasi Kumar
11	15BCH068D 15BCH031	Review on removal of Congo red using various adsorbents	Dr. Surendra Sasi Kumar
12	15BCH026	Oil Exploration Using Numerical Techniques	Dr. Swapnil Dharaskar
13	15BCH019 15BCH036 15BCH051	Numerical study of momentum and heat transfer characteristics for flow past bluff bodies	Dr. Lubhani Mishra
14	15BCH055 15BCH009 15BCH069D	Stability of pickering emulsion	Dr. Abhishek Yadav
15	15BCH001 15BCH022 15BCH028	Surface energy Minimisation using surface evolver	Dr. Abhishek Yadav
16	15BCH037 15BCH048 15BCH057	Performance study of different categories of adsorbents for effective defluoridation of water	Mr. Anirban Dey

17	15BCH060 15BCH061 15BCH010	Fly ash based adsorbent for treatment of Air and water pollutants	Mr. Anirban Dey
18	15BCH062 15BCH018 15BCH024	Magnetic polymer adsorbent for removal of heavy metals.	Ms. Bharti Saini
19	15BCH038 15BCH045 15BCH020	Advancement in modification of polysulfone (PSF) membrane	Ms. Bharti Saini
20	15BCH004	Multiphase CFD simulation of different reactor configuration for Chemical Looping Combustion	Dr. S.K.Dash
21	15BCH006	Study of Hydrogen Production Via Chemical Looping Combustion	Dr. S.K.Dash
22	15BCH066D	Study of properties of nanomaterials as different Oxygen Carrier in Chemical Looping Combustion	Dr. S.K.Dash
23	15BCH065D 15BCH067D	Investigation of transport properties of CO ₂ loaded aqueous amines	Dr. S.K.Dash
24	15BCH021	Carbon-dioxide sequestration by algae growth and its conversion along with biomass to energy molecule	Dr. S.K.Dash
24	15BCH070D 15BCH023 15BCH075D	Reuse of solid waste	Dr. Surya
25	15BCH040 15BCH041 15BCH072D	Recycle of solid waste	Dr. Surya
26	15BCH056 15BCH008	Simulation of air dispersion models	Ms. Sweta Balchandani
27	15BCH053 15BCH014	Heavy oil Refining Processes	Ms. Sweta Balchandani
28	15BCH034 15BCH073D	Enhanced photocatalytic degradation of dyes under sunlight using biocompatible TiO ₂ nanoparticles.	Dr. Suverna Trivedi
29	15BCH016 15BCH047 15BCH071D	Catalytic control of diesel soot emissions	Dr. Suverna Trivedi
30	15BCH058 15BCH013	Numerical study of momentum and heat transfer characteristics in 3-dimensional bodies	Dr. Lubhani Mishra