

Research under Ph.D. program of Department of Science

Sr. No.	Name of the Supervisor	Name of the Student	Title of Thesis	Full / Part Time	Start Month/Yr	Enrolment Number	Current Status
1	Prof. Rajib Bandyopadhyay	Sunita Barot	Synthesis of porous catalytic materials and their application in transesterification reaction	Full Time	11/2012	12RSC001	Completed
2	Prof. Rajib Bandyopadhyay	Maaz Nawab	Synthesis and modification of hierarchical microporous and mesoporous materials and their application in oxidation reactions	Full Time	07/2013	13RSC002	Ongoing
3	Prof. Rajib Bandyopadhyay	Sukumar Mandal	Thermo-catalytic conversion of biomass to biofuels & petrochemical feedstock	Part Time	07/2013	13RSC003	Ongoing
4	Prof. Rajib Bandyopadhyay	Riddhi Thaker	Vapor phase organic reactions over modified zeolites	Full Time	07/2015	15RSC006	Ongoing
5	Prof. Rajib Bandyopadhyay	Biswajit Shown	Studies of the conversion of syngas to oxo-chemicals over modified catalysts	Part Time	07/2017	17RSC001	Ongoing
6	Prof. Nirendra M. Misra	Khushbu G Patel	Characterization and application of silica extracted from wheat straw	Full Time	07/2013	13RSC004	Submitted
7	Prof. Nirendra M. Misra	Rakshith R. Shettigar	Eco-friendly drilling fluid formulation and its molecular dynamics simulation	Full Time	01/2014	14RSC001	Completed
8	Prof. Nirendra M. Misra	Asha Anil	Characterization and utilization of red-clay from local fields	Part Time	01/2015	15RSC001	Ongoing
9	Prof. Nirendra M. Misra	Priyank Bhutiya	Synthesis of new materials (Tentative)	Full Time	07/2016	16RSC006	Completed
10	Dr. Manoj Pandey	Chandrakanth P	Development of novel synthetic methods for synthesis of bio-active and functional materials and their screening in various energy harvesting applications	Full Time	10/2012	12RSC002	Ongoing
11	Dr. Manoj Pandey	Maaz Kureshi	Development of newer synthetic methodologies towards evolution of bioactive heterocyclic compounds and polycyclic hydrocarbons	Full Time	07/2013	13RSC001	Ongoing
12	Dr. Manoj Pandey	Jessica Patel	Design and development of novel synthetic methodologies for polyarene derivatives	Full Time	07/2015	15RSC004	Ongoing
13	Dr. Manoj Pandey	Maitreyee Trivedi	Design and synthesis of novel methodology for Triphenylene Derivatives	Full time	07/2015	15RSC005	Ongoing
14	Dr. Anirban Das	Bibhabasu	Heavy Metals in Soil, Agricultural Product, and in	Part Time	07/2014	14RSC01P	On going

		Mohanty	Groundwater from Industrially Contaminated Sites near Ahmedabad City				
15	Dr. Anirban Das	Shailja Singh	Hydrogeochemical and isotopic investigation of Mahi River: Implication to the chemical budget to the Gulf of Khambhat	Full time	01/2016	16RSC003	Ongoing
16	Dr. Anirban Das	Reema Mandal	Chemical and isotopic investigations of fluoride rich groundwater in selected districts of Gujarat	Full time	01/2016	16RSC004	Ongoing
17	Dr. Bharatkumar Parekh	Mitesh B. Solanki	Theoretical and experimental study of Non linear optical materials crystals	Full time	07/2013	13RSC005	Ongoing
18	Dr. Bharatkumar Parekh & Dr. Satyam Shinde	Hiral Shah	Growth and Characterization of Imidazole and its derivatives with L-Tartaric acid for non linear applications	Full time	07/2015	15RSC008	Ongoing
19	Dr. Rohit Srivastava	Ruchita Shah	Investigation of cloud microphysical properties over Indian and adjoining oceanic regions	Full Time	01/2016	16RSC001	Ongoing
20	Dr. Brijesh Tripathi	Zeel Purohit	Performance evaluation of different solar cells under potential-induced degradation (PID)	Full Time	07/2015	15RSC009	Ongoing
21	Dr. Brijesh Tripathi	Harikrushna Vahanka	Study of four-terminal photovoltaic system for field applications	Part Time	07/2016	16RSC008	Ongoing
22	Dr. Balamurali Krishna Mayya K	Gaurav Shukla	Study of Plasma rotations and impurity transport in ADITYA-U/SST-1 Tokamaks using Charge Exchange Recombination Spectroscopy.	Full Time	07/2016	16RSC009	Ongoing
23	Dr. Balamurali Krishna Mayya K	Kajal Shah	Development of Crystal Spectrometer to study Plasma Rotation and Impurity behaviour in ADITYA-U Tokamak.	Full Time	07/2016	16RSC010	Ongoing
24	Dr. Satyam Shinde	Pratikkumar Patel	First Principle investigations of Heulser compounds for thermoelectric & spintronics applications	Full Time	01/2016	16RSC002	Ongoing
25	Dr. Anantha Singh	Nibedita Pani	Studies on the treatment of ammoniacal nitrogen from industrial waste water by chemical and electrochemical methods.	Full Time	07/2016	16RSC007	Ongoing
26	Dr. Anurag Kandya	Hemixa Patel	Modelling & Mapping the Pollutants in Groundwater along with the associated health risks with mitigative strategies	Full Time	01/2016	16RSC005	Ongoing