



**PDEU** PANDIT  
DEENDAYAL  
ENERGY  
UNIVERSITY

Formerly Pandit Deendayal Petroleum University

**Name:- Prof. (Dr.) Rajib Bandyopadhyay**

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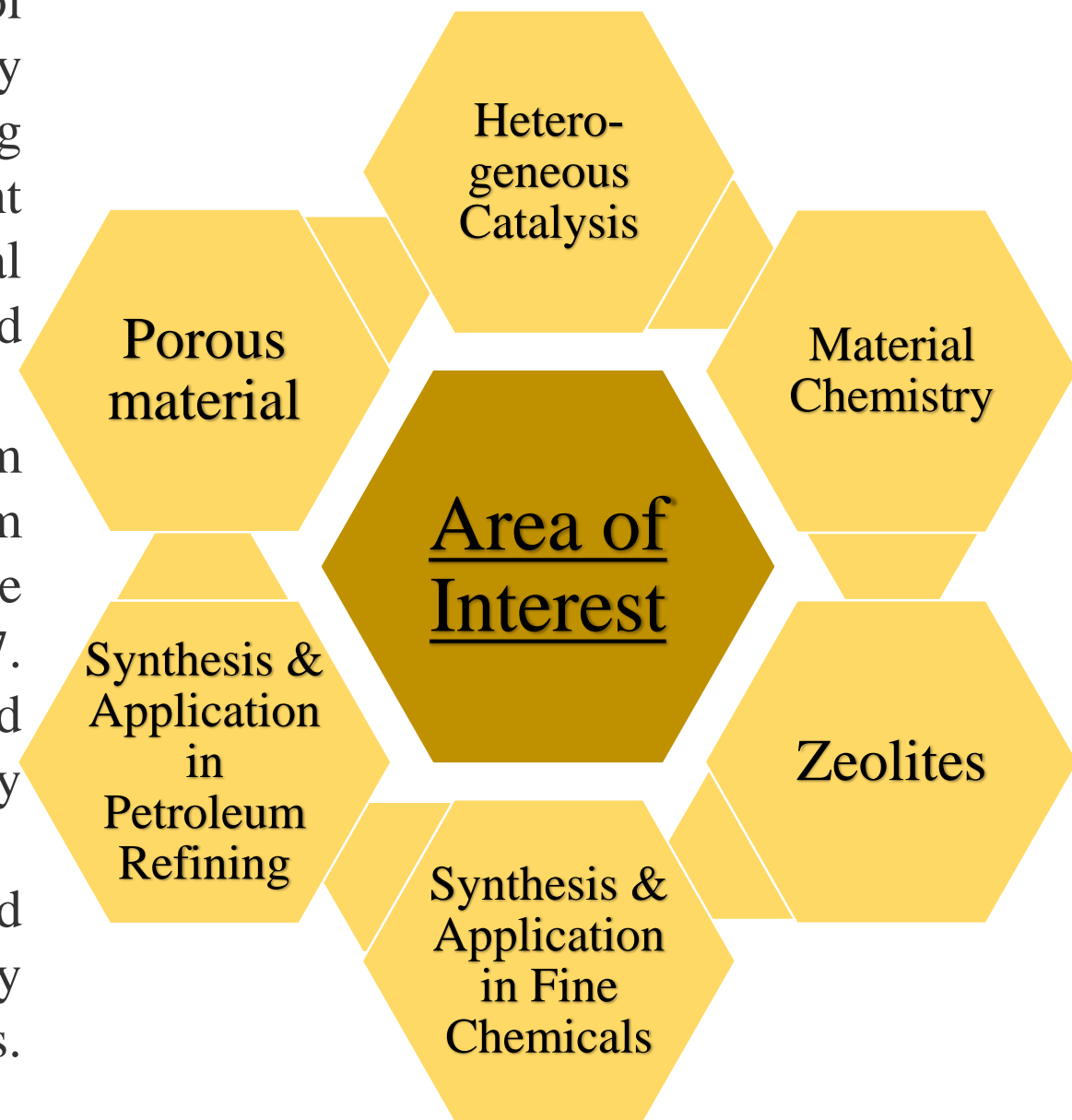
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# **Brief Bio**

Dr. Rajib Bandyopadhyay has been working in the School of Technology, Pandit Deendayal Energy University (Formerly PDPU), since October 2010. Before joining PDPU, Dr. Bandyopadhyay worked in senior management position in the R&D sectors of various multinational companies including Sud-Chemie, Owens Corning and Sika.

Dr. Bandyopadhyay received his B.Sc. Degree from Jadavpur University in 1990 and M.Sc. Degree from Jadavpur University in 1992. He received his Ph.D. degree from National Chemical Laboratory (NCL), Pune in 1997. Later he did postdoctoral research in Japan (NEDO and JSPS Fellow) for four years followed by Germany (Alexander von Humboldt Fellow).

He has more than 45 publications in peer-reviewed international journals and book chapters. He also regularly reviews journal papers from Elsevier and other publishers. He is a life member of International Zeolite Association.







## Dr. Sunita Barot

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Sunita received her B.Sc. Degree in chemistry from University of Pune in 2006 and M.Sc. in Chemistry from University of Pune in 2008. She also received her M.Phil. degree from University of Pune in 2012. She joined Pandit Deendayal Energy University (Formerly as PDCU) in 2012. She was awarded Ph. D. degree from Pandit Deendayal Energy University in 2016.

**Her thesis entitled “Synthesis of Porous Catalytic Materials and Their Application in Transesterification Reaction”.**

Currently, she is working as ‘Scientist’ at PLS analytical, NJ, USA focusing on the R&D of Pharmaceutical Drug Formulation and Deliveries. Also, she is a review committee member of several international journals. She has worked as a Research Associate for a project by ISRO (Indian Space Research Organization).



## **Dr. Maaz Nawab**

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Maaz received his B.Sc. Degree in chemistry from St. Xavier's college, Ahmedabad in 2010 and M.Sc. in Organic Chemistry from P.D. Patel Institute of Applied Sciences, (PDPIAS), Charusat University in 2012.

He was awarded Ph. D. degree from Pandit Deendayal Energy University in 2019.

He had joined Pandit Deendayal Energy University (Formerly as PDPU) in 2013. he had UGC Fellowship, during his Ph.D. tenure.

His thesis entitled **“Synthesis, Modification and Application of Porous Materials in Catalytic Oxidation of Toluene.”**

Currently, he is affiliated as Research Scientist (Assistant Manager) at INTAS Pharmaceuticals in Bio-Pharma division.





## **Dr. Riddhi Thakkar**

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Riddhi received her B.Sc. Degree in chemistry from M.B. Patel Science College, S.P.U, Anand in 2011 and M.Sc. in Physical Chemistry (Gold Medal) from Department of Chemistry, Sardar Patel University, Anand in 2013. She was a lecturer at B.N. Patel Institute of Science, SPU, Anand, Gujarat during 2013-2014. she was awarded Ph. D. degree from Pandit Deendayal Energy University in 2019.

She joined Pandit Deendayal Energy University (Formerly as PDPU) in 2015. she had DST-INSPIRE Fellowship, New Delhi during her Ph.D. tenure. She received 3<sup>rd</sup> prize in the Poster presentation category at 7<sup>th</sup> Federation of European Zeolite Association (FEZA).

**Her thesis entitled “Vapor Phase Organic Reaction Over Modified Zeolites.”**

Currently, she is Research Associate-I under DST-Nano mission sponsored project at Department of chemistry, Sardar Patel University, Anand, Gujarat.



## **Mr. Hardik Koshti**

**Doctoral Student (Full-time)**

**B.Sc., M.Sc.**

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Hardik received his B.Sc. Degree in chemistry from St. Xavier's college, Ahmedabad in 2017 and M.Sc. in Organic Chemistry from Gujarat University in 2019. In his graduate and Post-Graduate he worked on the synthesis of gold nanoparticles & their applications.

He joined Pandit Deendayal Energy University (Formerly as PDPU) in August 2019. His research focuses on the Generation of Hierarchy in the Microporous Zeolite materials for their application in the Alkylation reactions. He is involved in Synthesis of different classes of Zeolites and generating hierarchy. he is trying to understand how all the relevant parameter affects the performance of the Zeolite. He mentored several master students for their research projects in our laboratory.

His research work is entitled as "Investigation of Hierarchical Microporous Materials in Alkylation Reaction."





## **Mr. Rohit Prajapati**

**Doctoral Student (Full-time)**

**B.Sc., M.Sc., SLET**

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Rohit joined Department of Chemistry, School of Technology, PDEU, Gandhinagar in July 2020. He completed his M.Sc. (Inorganic Chemistry) from Department of Chemistry, School of Science, Gujarat University in 2019. He completed his B.Sc. from K.K. Shah , (affiliated to Gujarat University, Ahmedabad) in 2017. He has also qualified State level eligibility test in 2020.

He is involved in Synthesis of different classes of Microporous materials and generating hierarchy. he is trying to understand how all the relevant parameter affects the performance of the Porous materials.

His research work is entitled as “Synthesis and Modification of Functional Porous Materials for Industrial Application.”

## **Mr. Vaibhav Vamja**

**Doctoral Student (Full-time)**

**B.Sc., M.Sc.**

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Vaibhav joined Department of Chemistry, School of Technology, PDEU, Gandhinagar in July 2021. He completed his M.Sc. (Organic Chemistry) from M.D. Patel institute of Physical Science & Research (affiliated to Sardar Patel University, Vallabh Vidyanagar) in 2020. He completed his B.Sc. from Gyanyagna College of Science and Management, (affiliated to Saurashtra University, Rajkot) in 2018.

His research work is entitled as “Development of energy efficient solvent for post combustion CO<sub>2</sub> capture.”







## **Mr. Sukumar Mandal**

**Doctoral Student (Part-time)**

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Mr. Sukumar received his B.Sc. Degree in chemistry from Kolkata University in 1985, B.Tech. degree in Chemical Engg. from Kolkata University in 1988, and M.Tech. in Chemical Engg. From IIT Kanpur in 1990.

He joined Pandit Deendayal Energy University (Formerly as PDCU) in August 2013. His research work is entitled as “Thermocatalytic conversion of Biomass to Petrochemical Feedstock/Fuel.”

Currently he is affiliated as Vice-president at Reliance Industries Limited, (Refining R&D, Jamnagar). He has a professional experience of 27 years in the Research field.

## **Mr. Bishwajit Shown**

**Doctoral Student (Part-time)**

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Mr. Bishwajit received his B.Sc. Degree in chemistry from SGB college, University of Burdwan in 1995 and M.Sc. in Organic chemistry from Tripura University in 1998. He also received his B.Ed. degree from Kalyani University in 2000 and M.Tech. (Surface science and engg.) from NIT, Jamshedpur in 2002.

He joined Pandit Deendayal Energy University (Formerly as PDP) in July 2017. His research work is entitled as “Studies of the conversion of Syngas to Oxo-chemicals over modified catalysts.”

Currently he is affiliated as Assistant Vice-president at Reliance Industries Limited, (Refining R&D, Jamnagar). He has a professional experience of 19 years in the Research field.







## **Mr. Sudhir Patel**

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Mr. Sudhir received his B.Sc. Degree in chemistry from South Gujarat University in 1996 and M.Sc. in chemistry from Madurai Kamaraj University in 2006.

He joined Pandit Deendayal Energy University (Formerly as PDU) in October 2020. His research work is entitled as “Synthesis of Zeolite and Mesozeolite for Petrochemical Application.”

Currently he is affiliated as Senior Research Scientist (Sr. Manager) at Reliance Industries Limited, (R&D, Jamnagar). He has a professional experience of 24 years in the Research field.



## Alumni Students



**Dr. Sunita Barot**  
B.Sc., M.Sc., Ph.D.



**Dr. Maaz Nawab**  
B.Sc., M.Sc., Ph. D.



**Dr. Riddhi Thakkar**  
B.Sc., M.Sc., Ph. D.



## Fulltime Students



**Mr. Hardik Koshti**  
B.Sc., M.Sc.



**Mr. Rohit Prajapati**  
B.Sc., M.Sc., SLET



**Mr. Vaibhav Vamja**  
B.Sc., M.Sc.



## Part-time Students



**Mr. Sukumar Mandal**  
B.Sc., B.Tech., M.Tech.



**Mr. Bishwajit Shown**  
B.Sc., M.Sc., B.Ed., M.Tech.



**Mr. Sudhir Patel**  
B.Sc., M.Sc.



# Final Defense of Ms. Sunita Barot





# Final Defense of Mr. Maaz Nawab





# Final Defense of Ms. Riddhi Thakkar

