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मालवीय राष्ट्रीय प्रौद्योगिकी संस्थान जयपुर (राष्ट्रीय महत्व का संस्थान)
Malaviya National Institute of Technology Jaipur (*An Institute of National Importance*)



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- [!\[\]\(f816ec24a4f444430eb3ace8485a2c05_img.jpg\) Metallurgical and Materials Engineering](#)
- [!\[\]\(92716c51db45aaaf5ce767d5fa156ae3_img.jpg\) Physics](#)

Centres

- [!\[\]\(2a133ebb0337313d16cc068f19494aa2_img.jpg\) Centre for Energy & Environment](#)
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Faculty

Head of Department



Dr. Sushant Upadhyaya

 Associate Professor

 Ph.D.,M.Tech.,B.Tech.

Research Interests : Transport Phenomena, Modelling And Simulation, Wastewater Treatment, Computational method for linear/non-linear problems, Polymer Process Modeling , Mass Transfer, Membrane Separation , Piping Engineering, Numerical Modelling, Computational Fluid Dynamics (CFD).

 supadhyay.chem@mnit.ac.in  01412713586

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 [Personal Website](#)

Professor-HAG



Prof. Satyendra Prasad Chaurasia

 Professor-HAG

 Ph.D.(Chemical Engg.),M.Tech.(Chemical Engg.),B.Tech.(Chemical Engg.)

Research Interests : Biocatalysis, Fermentation Technology, Downstream Processing, Membrane Separation,, Enzymatic Synthesis of DHA Rich TGs,, Biofuels (Biodiesel & Bioethanol), Bioethanol Production in MBR System, Desalination and Water Treatment, Membrane Distillation.

 spchaurasia.chem@mnit.ac.in  01412713339

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Professor



Prof. Kailash Singh

 Professor

 Ph.D.(Chemical Engineering),M.Tech.(Chemical Engineering),B.E.(Chemical Engineering)

Research Interests : Modelling And Simulation, Advanced Process Control.

 ksingh.chem@mnit.ac.in  01412713392

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Prof. Madhu Agarwal

 Professor

 Ph.D.(Chemical Engineering),M. Tech.(Chemical Engineering),B .Tech.(Chemical Engineering)

Research Interests : Bioprocess Engineering, Biofuels, Biotechnology, Fluid Particle Mechanics, Adsorption, Energy Storage, Water and Wastewater Treatment, Waste to resource valorization, Catalysis and Reaction Mechanism.

 magarwal.chem@mnit.ac.in  01412713498

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**Prof. Manish Vashishta****✉ Professor****🎓 Ph.D.(Chemical Engg.),M. Tech.(Chemical Engg.(Process. Engg. &Design)),B.E.(Chemical Engg. (With Honours))****Research Interests :** Modelling And Simulation, Chemical Reaction Engineering, Thermodynamics, Colloid And Interface Science, Composite Materials, Soft Matter, Environmental Engg., Thin films.**✉ mvashishta.chem@mnit.ac.in** **📞 01412713492****[View Detailed Profile](#)****[Google Scholar Profile](#)****Prof. Raj Kumar Vyas****✉ Professor****🎓 Ph.D.(Chemical Engineering),M.E.(Chemical Engineering),B.E.(Pulp & Paper Engineering)****Research Interests :** Chemical Reaction Engineering, Separation Processes, Industrial Pollution Abatement, Biotechnology.**✉ rkyas.chem@mnit.ac.in** **📞 01412713338****[View Detailed Profile](#)****[Google Scholar Profile](#)****Prof. Suja George****✉ Professor****🎓 Ph.D.(Chemical Engineering),M.Tech.(Chemical Engineering),B.Tech.(Chemical Engineering)****Research Interests :** Environmental Engg., Advanced Process Control, Colloid And Interface Science,

Advanced Separation Processes, Water and Wastewater Treatment.

✉ sgeorge.chem@mnit.ac.in ☎ 01412713313

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Prof. SUSANTA KUMAR JANA

✉ Professor

🎓 Ph.D.(Chemical Engineering),M.E.(Chemical Engineering),B.Tech.(Chemical Engineering)

Research Interests : Separation Technology (Mass Transfer with Chemical Reaction), Chemical Reaction Engineering, Industrial Pollution Abatement.

✉ skjana.chem@mnit.ac.in ☎ 01412713327

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Associate Professor



Dr. Dipaloy Datta

✉ Associate Professor

🎓 Ph.D.(Chemical Engineering),M.E.(Chemical Engineering),B.E.(Chemical Engineering)

Research Interests : Adsorption, Reactive Extraction, Wastewater Treatment, Process Intensification, Separation Processes, Solvent Impregnated Resin, Textile Dyes Removal.

✉ dipaloy.chem@mnit.ac.in ☎ 01412713317

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**Dr. Prabhat Pandit****✉ Associate Professor****🎓 Ph.D.(Chemical Engineering),M.Tech.(Chemical Engineering),B.Tech.(Chemical Engineering)****Research Interests :** Wastewater Treatment, Novel Separation Techniques.**✉ ppandit.chem@mnit.ac.in ☎ 01412523016****[View Detailed Profile](#)****[Google Scholar Profile](#)****Dr. Rajeev Kumar Dohare****✉ Associate Professor****🎓 Ph.D.(Chemical Engineering),M.Tech.(Chemical Engineering),B.Tech.(Chemical Engineering)****Research Interests :** Modelling And Simulation, Advanced Process Control, Optimizations & Systems Applications, Solid Waste Management, Artificial Intelligence in Process Control, Emulsion Liquid Membrane.**✉ rkdohare.chem@mnit.ac.in ☎ 01412713485****[View Detailed Profile](#)****[Google Scholar Profile](#)****Dr. Vikas Kumar Sangal****✉ Associate Professor****🎓 Ph.D.(Chemical Engineering),M.Tech.(Chemical Engineering),B.E.(Chemical Engineering)****Research Interests :** Industrial Pollution Abatement, Modelling And Simulation, Photocatalytic oxidation, Water and Wastewater Treatment, Dividing wall column, Electrochemical Treatment.

✉ vksangal.chem@mnit.ac.in ☎ 09549650367
⌚ [View Detailed Profile](#)
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Assistant Professor



Dr. Bikashbindu Das

✉ Assistant Professor
🎓 Ph.D.(Chemical Engineering),B .Tech.(Chemical Engineering)
Research Interests : Catalysis and Reaction Mechanism, Green Chemistry, Renewable Chemicals and Fuels, Biomass Conversion, CO₂ Conversion, Waste Valorization, Circular Economy.
✉ bbdas.chem@mnit.ac.in ☎ 09860185963
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Dr. Hrushikesh M. Gade

✉ Assistant Professor
🎓 Ph.D.(Chemical Engineering),M.E.(Chemical Engineering),B.E.(Chemical Engineering)
Research Interests : Molecular dynamics simulations, Self-assembly of nanostructured materials, Molecular modeling , Advanced Composites, Composite and Nanocomposite materials.
✉ hrushikesh.chem@mnit.ac.in
⌚ [View Detailed Profile](#)
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Dr. Lovjeet Singh

 Assistant Professor

 Ph.D.(Chemical Engineering),M.Tech.(Chemical Engineering),B.Tech.(Chemical Engineering)

Research Interests : # Heterogeneous Catalysis for Environmental Applications and Green Technology, # Nanoscale Materials for Cleaner Environment and Sustainability, Chemical Reaction Engineering, Industrial Pollution Abatement.

 lovjeet.chem@mnit.ac.in

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 [Google Scholar Profile](#)  [Personal Website](#)

**Dr. Md Oayes Midda**

 Assistant Professor

 Ph.D.(Chemical Engineering),M.Tech.(Chemical Engineering),B.Tech.(Chemical Engineering),B.Sc(Chemistry (Hons))

Research Interests : Membrane Separation , Polymeric composite membranes, Industrial Gas Separation, Facilitated gas transport & Modeling, Nanoparticle synthesis, Adsorption, Water and Wastewater Treatment, Membrane bioreactor.

 oayes.chem@mnit.ac.in

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**Dr. Neetu Kumari**

 Assistant Professor

 Ph.D.(Chemical Engineering),M.Tech.(Chemical Engineering),B.Tech.(Chemical Engineering)

Research Interests : # Electrochemical Energy Conversion and Storage Systems, # Heterogeneous Catalysis for Environmental Applications and Green Technology, Molecular modeling, Carbon dioxide utilization, solid oxide fuel cell or electrolysis cell.

 neetu.chem@mnit.ac.in

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**Dr. Pooja Jangir****Assistant Professor****Ph.D.(Chemical Engineering),M. Tech.(Chemical Engineering),B .Tech.(Chemical Engineering)****Research Interests :**, , Computational Fluid Dynamics (CFD), Hydrodynamic Stability, Complex Fluids,, Particle Laden Flows, Microfluidics, Experiments: Flow Visualization and Characterization.**pooja.chem@mnit.ac.in** **[09712357003](tel:09712357003)****[View Detailed Profile](#)****[Google Scholar Profile](#)****Dr. Ramdayal Panda****Assistant Professor****Ph.D.(Chemical Engineering),M. Tech.(Chemical Engineering),B .Tech.(Chemical Engineering)****Research Interests :** Chemical Engineering, Environmental Engineering, Critical Mineral Exploration, Urban Mining, Resource Recovery.**ramdayal.chem@mnit.ac.in** **[07978735230](tel:07978735230)****[View Detailed Profile](#)****[Google Scholar Profile](#)****Dr. Rohidas Gangaram Bhoi****Assistant Professor****Ph.D.(Chemical Engineering),B.E.(Chemical Engineering)****Research Interests :** Chemical Reaction Engineering, Mass Transfer, Pyrolysis, Biofuels (Biodiesel & Bioethanol), Biomass to Bioenergy.

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Dr. Shiv Om Meena

 Assistant Professor

 Ph.D.(Chemical Engineering),M.Tech.(Chemical Engineering),B.E.(Chemical Engineering)

Research Interests : Petroleum Refinery Engineering, Fluid Dynamics, Modelling And Simulation, Chemical Reaction Engineering, Water and Wastewater Treatment.

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Dr. Subbaramaiah V

 Assistant Professor

 Ph.D.(Chemical Engineering),M.Tech.(Chemical Engineering),B.Tech.(Chemical Engineering)

Research Interests : Novel Separation Techniques, Chemical Reaction Engineering, Carbon Capture & Sequestration, # Heterogeneous Catalysis for Environmental Applications and Green Technology, Petroleum Refinery Engineering, Industrial Pollution Abatement, Water and Wastewater Treatment, Advanced Oxidation Technique, Chemical Process Safety and Disaster Management.

[!\[\]\(9fb35ce00785e0d1c8f42da5044e6593_img.jpg\) vsr.chem@mnit.ac.in](mailto:vsr.chem@mnit.ac.in) [!\[\]\(b59183c9f4bf74b1da61c6912b6cfe40_img.jpg\) 09549650141](tel:09549650141)

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Dr. Surajit Ghosh

 Assistant Professor

 Ph.D.(Chemical Engineering),M.E.(Chemical Engineering),B.Tech.(Chemical Engineering)

Research Interests : # Nanomaterials Chemistry for New Materials, Smart Materials and Nanoscale Composites, # Heterogeneous Catalysis for Environmental Applications and Green Technology, # Nanoscale Materials for Cleaner Environment and Sustainability, # Nanoparticle Synthesis, Growth and Assembly, # Engineered Nanomaterials/Composites for Electrocatalysis, Waste to resource valorization, Composite and Nanocomposite materials, Polymeric materials, Polymer solar cell, Polymer Process Modeling , Polymer, Additive Manufacturing.

 surajit.chem@mnit.ac.in

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Dr. U. K. ARUN KUMAR

 Assistant Professor

 Ph.D.(Chemical Engineering),M.E.(Chemical Engineering),B.E.(Chemical Engineering)

Research Interests : Mass Transfer, Microfluidics for chemical processes - separation and purification, Chemical Engineering Thermodynamics - Physico-Chemical property measurements and simulations, Carbon Capture & Sequestration, Wastewater Treatment.

 ukarunkumar.chem@mnit.ac.in  01412713513

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Dr. Vijayalakshmi Gosu

 Assistant Professor

 Ph.D.,M.Tech.,B.Tech.

Research Interests : # Nanoscale Materials for Cleaner Environment and Sustainability, # Heterogeneous Catalysis for Environmental Applications and Green Technology, Advanced Oxidation Technique, Catalysis and Reaction Mechanism, Water and Wastewater Treatment, Adsorption.

 vlakshmi.chem@mnit.ac.in  09549650966

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**Dr. Virendra Kumar Saharan****Assistant Professor****Ph.D.(Chemical Engineering),M. Tech.(Chemical Engineering),B.E.(Chemical Engineering)****Research Interests :** Process Intensification, Wastewater Treatment, Advanced Oxidation Technique, Cavitation, Sonochemistry, Emulsification, Photocatalytic oxidation, Nanoparticle synthesis.**E-mail:** vksaharan.chem@mnit.ac.in **Phone:** 01412713317**[View Detailed Profile](#)****[Google Scholar Profile](#)** **[Personal Website](#)****Staff****Mr. Anish Yadav****Senior Technical Assistant****B Tech. (S. A. D. T. M. Jaipur)****E-mail:** anishkumar.chem@mnit.ac.in**Mr. Peddapatla Baswaraj****Senior Technical Assistant****B. Tech (Chemical Engineering)****E-mail:** baswaraj.chem@mnit.ac.in

**Mr. S. N. Reddy Y**

- ✉ Senior Technical Assistant
- 🎓 M. Tech. (NITK Surathkal)B Tech. (Bapatla Engg. College)
- ✉ satyanarayana.chem@mnit.ac.in

**Mr. Uttam Singh**

- ✉ Senior Technical Assistant
- 🎓 M. Tech (Chemical Engineering), B.E (Chemical Engineering)
- ✉ uttam.chem@mnit.ac.in

**Mr. Mohammad Ragib**

- ✉ Senior Technician
- 🎓 B.Tech (Chemical engineering)
- ✉ mohammadragib@mnit.ac.in

**Mr. Sameer Chadar**

- ✉ Senior Technician
- 🎓 M.Tech(Electronics), B.E.(Electronics).
- ✉ sameerchadar@mnit.ac.in

**Ms. Babita Aithani**

- ✉ Senior Assistant
- ✉ baithani@gmail.com

对学生研究学者**Mr. Sarmad Rizvi**

- ✉ 2021rch9019
- ⚙ **Research Interests :**Molecular dynamics investigations of self assembly of nanostructures for novel materials development
- 👨‍👩‍👧‍👦 **Supervisors :**Dr. Hrushikesh M. Gade/ Dr. Manish Vashishtha
- ✉ 2021rch9019@mnit.ac.in



Mrs. Gayatri Rajput

2021RCH9016

Research Interests :Advanced oxidation of waste water

Supervisors :Dr.V.Subbaramaiah / Dr.Vikas K. Sangal

2021rch9016@mnit.ac.in



Mr. Udit Khandara

2021rch9015

Research Interests :Development of sustainable heterogeneous catalyst for the valorisation of glycerol

Supervisors :Dr. Vijayalakshmi Gosu

2021rch9015@mnit.ac.in



Mr. Neetesh Kumar Dehariya

2020rch9553

Research Interests :Wastewater treatment by Advanced Oxidation Process: Parametric Optimization & Kinetic study

Supervisors :Dr. Vikas K Sangal

2020rch9553@mnit.ac.in



Mr. Satyanarayana Reddy Y

2020rch9552

Research Interests :Development of novel electrodes for wastewater treatment by electrochemical methods

Supervisors :Dr. Vikas K Sangal

2020rch9552@mnit.ac.in



Mr. Pushpendra Kushwaha

2020rch9551

Research Interests :Extraction/synthesis of chemicals for water and waste water treatment

Supervisors :Dr Madhu Agarwal

2020rch9551@mnit.ac.in



Mr. Rupak Kumar Singh

2020rch9550

Research Interests :Development of heterogeneous catalysts for the production of oxygenated fuel additive

Supervisors :Dr. Vijayalakshmi Gosu

2020rch9550@mnit.ac.in



Mr. Rajeshwar Keshavrao Kholapure

2020RCH9053

Research Interests :Separation of Azeotropic Mixture by using Air Gap Membrane Distillation

Supervisors :Prof. Kailash Singh/ Dr. Sushant Upadhyaya

2020RCH9053@mnit.ac.in



Mr. Yogesh Ashoke Bhadange

2019rch9554

Research Interests :Studies of extraction of bioactive components from natural ingredients.

Supervisors :Dr. Virendra Kumar Saharan

2019rch9554@mnit.ac.in



Mr. Mohd Mohsin Ikram

2019rch9521

Research Interests :Studies on the conversion of Glycerol into value added products

Supervisors :Dr. Virendra Kumar Saharan

2019rch9521@mnit.ac.in



Mr. Aamir Baig

✉ 2019RCH9520

⚙ **Research Interests :**Catalytic steam reforming of bio oil for renewable hydrogen generation

👥 **Supervisors :**Dr. Sonal

✉ 2019RCH9520@mnit.ac.in



Ms. Meenu

✉ 2019rch9515

⚙ **Research Interests :**Experimental and Modeling studies on Controlled Release Urea using Mustard straw derived biochar coating

👥 **Supervisors :**Dr. Shiv Om Meena

✉ 2019rch9515@mnit.ac.in



Mr. Vinod Kumar Dhakad

✉ 2019rch9165

⚙ **Research Interests :**Synthesis of PCC from marble waste along with its utilization in paper and manufacturing of other valuable products

👥 **Supervisors :**Prof. S. K. Jana

✉ 2019rch9165@mnit.ac.in



Mr. Ravi Kumar Parihar

2019RCH9164

Research Interests :Anaerobic fluidized bed membrane bioreactor for wastewater treatment and fouling mitigation

Supervisors :Dr. Md Oayes Midda/Prof. S.P. Chaurasia

2019rch9164@mnit.ac.in



Ms. Harshika Suman

2019rch9162

Research Interests :Study for the Treatment of Tannery Effluent by Electrochemical Methods

Supervisors :Dr. Vikas K Sangal

2019rch9162@mnit.ac.in



Ms. Sonal Rajoria

2019rch9160

Research Interests :Treatment of electroplating industry wastewater using electrochemical process

Supervisors :Dr. Manish Vashishtha

2019rch9160@mnit.ac.in

**Mr. Prathwiraj Meena**

2019rch9157

Research Interests :Catalytic Pyrolysis of Plastic **Supervisors :**Dr. Rohidas G. Bhoi 2019rch9157@mnit.ac.in**Mr. Durgesh Singh Songera**

2019RCH9151

Research Interests :Upgradation of bio-oil to biofuel by catalytic hydro-deoxygenation process **Supervisors :**Dr. Virendra Kumar Saharan durgesh.songera@gmail.com**Ms. Shivika Sharma**

2019rch9149

Research Interests :Reduction of CO₂ into syngas using Solid Oxide Electrolysis Cells (SOEC) **Supervisors :**Dr. Neetu Kumari 2019rch9149@mnit.ac.in



Ms. Divya Gaur

2019rch9098

Research Interests : Mathematical Modelling and Experimental study on removal of benzene and toluene using AGMD

Supervisors : Dr. Sushant Upadhyaya/Dr. Kailash Singh

2019rch9098@mnit.ac.in



Mr. Sameer Imdad

2019rch9093

Research Interests : Removal of heavy metals from industrial wastewater using supported liquid membrane

Supervisors : Dr. Rajeev Kumar Dohare

2019rch9093@mnit.ac.in



Mrs. Neha Pal

2019RCH9047

Research Interests : Development of value-added product from waste

Supervisors : Dr. Madhu Agarwal

2019RCH9047@mnit.ac.in

**Ms. Ketaki Tikekar****✉ 2019RCH9039****⚙ Research Interests :**Model based control of fixed bed reactor and membrane separation of products**人群 Supervisors :**Prof. Kailash Singh/Dr. Sushant Upadhyaya**✉ 2019rch9039@mnit.ac.in****Ms. Surabhi Singh****✉ 2019rch9026****⚙ Research Interests :**Bio ethanol Production from Lignocellulosic biomass**人群 Supervisors :**Prof. Suja George/Dr Rohidas G. Bhoi**✉ 2019rch9026@mnit.ac.in****Mr. Ramesh Kumar****✉ 2019rch9003****⚙ Research Interests :**Thermodynamic Studies and Performance Analysis of Photovoltaic Operated Energy Conversion Systems and Their HybridCombinations**人群 Supervisors :**Dr. Manish Vashishtha/ Dr. Sushant Upadhyaya**✉ 2019rch9003@mnit.ac.in**



Jyoti Katiyar

2018RCH9107

Research Interests :Degradation of biorefractory pollutants with photocatalytic process comprising ultrasound and hydrodynamic cavitation; A perspective to the development of novel nano photocatalyst.

Supervisors :Dr. Virendra Kumar Saharan

2018RCH9107@mnit.ac.in



Ms. Karishma Maheshwari

2018RCH9106

Research Interests :Experimental studies on treatment of RO reject water.

Supervisors :Dr. Madhu Agrawal

2018RCH9106@mnit.ac.in



Ms. Anju Gupta

2018RCH9090

Research Interests :Reactive Adsorption Studies on Acyclovir Removal from Aqueous Solution using Solid Reactive Adsorbent

Supervisors :Dr. R. K. Vyas

2018RCH9090@mnit.ac.in

**Ritu Chaudhary****✉ 2018RCH9038****⚙ Research Interests :**Study the effect on**👥 Supervisors :**Dr.Vikas Kumar Sangal/ Dr. Sushant Uphadhyaya**✉ 2018rch9038@mnit.ac.in****Meenakshi Yadav****✉ 2018RCH9037****⚙ Research Interests ::** Preparation and characterization of hydrophobic membrane for VMD.**👥 Supervisors :**Dr. Sushant upadhyaya/ Dr. Kailash singh**✉ 2018rch9037@mnit.ac.in****Mr. Pappu Kumar Burnwal****✉ 2018RCH9035****⚙ Research Interests :**Synthesis and characterization of membrane for VMD**👥 Supervisors :**Prof. S.P. Chaurasia**✉ 2018rch9035@mnit.ac.in**

**Dr. Tarun Kumar Chaturvedi****✉** 2017rch9034**⚙ Research Interests :**Solvent extraction of heavy metal ions from wastewater using reverse micelles**👥 Supervisors :**Dr. Prabhat Pandit/Dr. Sushant Upadhyaya**✉** 2017rch9034@mnit.ac.in**Rohitash Kumar****✉** 2016RCH9019**⚙ Research Interests :**Absorption of Carbon Dioxide using Micro-Channels**👥 Supervisors :**Dr. U. K. Arun Kumar**✉** 2016RCH9019@mnit.ac.in**🎖 PhD Awarded****Ms. Anjali Awasthi****✉** 2017RCH9044**⚙ Thesis Title :**Application of Solvent Impregnated Resins for the Treatment of Wastewater Containing Reactive Dyes**👥 Supervisors :**Dr. Dipaloy Datta**📅 Year of Award :**2022**✉** 2017rch9044@mnit.ac.in

**Ms. Arshia Khan****✉ 2016RCH9525****⚙ Thesis Title :**Development of Photocatalyst and Adsorbent from Marble Waste: An Application for the Removal of Biorefractory Pollutants.**👥 Supervisors :**Dr. Suja George**📅 Year of Award :**2022**✉ 2016rch9525@mnit.ac.in** 7389484664**Ms. Kalpana Patidar****✉ 2016RCH9526****⚙ Thesis Title :**Studies on energy extraction and production of value added product from mustard crop residues.**👥 Supervisors :**Dr. Manish Vashishtha**📅 Year of Award :**2022**✉ 2016RCH9526@mnit.ac.in** 8269798592**Dr. Prashant Shrivastava****✉ 2015RCH9036****⚙ Thesis Title :**Synthesis of Precipitated Calcium Carbonate by Carbonation of Calcium Chloride in Bubble Column and Stirrer Reactors**👥 Supervisors :**Dr. S. K. Jana

-  **Year of Award :**2021
-  2015rch9036@mnit.ac.in



Dr. Priya Pal

-  [2014RCH9066](#)
-  **Thesis Title :**Synthesis, characterization and performance study of PVDF membranes for liquid mixture (glycerol-water) And gaseous mixture (H₂-CO₂/N₂) separation
-  **Supervisors :**Prof.S.P.Chaurasia/Dr.SushantUpadhyay
-  **Year of Award :**2021
-  2014rch9066@mnit.ac.in



Mr. Yogendra Singh Solanki

-  [2017RCH9506](#)
-  **Thesis Title :**Development of defluoridation kit for domestic drinking water
-  **Supervisors :**Dr. Madhu Agrawal
-  **Year of Award :**2021
-  2017rch9506@mnit.ac.in 8935928802



Dr. Muzaffar Iqbal

-  [2017RCH9504](#)
-  **Thesis Title :**Synthesis and Characterization of Solvent Impregnated Resins for the Treatment of Simulated Textile Dye using Ultrasonic Technology
-  **Supervisors :**Dr. Dipaloy Datta

✉ Year of Award :2021**✉ 2017RCH9504@mnit.ac.in 8929393434****Dr. Shivali Arora****✉ 2016rch9003****⚙ Thesis Title :**Green Process: Development of green catalyst for the synthesis of glycerol carbonate from waste glycerol**人群 Supervisors :**Dr. V. Subbaramaiah**✉ Year of Award :2021****✉ 2016rch9003@mnit.ac.in****Dr. Prashant Shrivastava****✉ 2015RCH9036****⚙ Thesis Title :**Synthesis of Precipitated Calcium Carbonate by Carbonation of Calcium Chloride in Bubble Column and Stirrer Reactors**人群 Supervisors :**Prof. S. K. Jana**✉ Year of Award :2021****✉ 2015rch9036@mnit.ac.in****Dr. Sakshi Batra****✉ 2016RCH9024****⚙ Thesis Title :**Removal of Endocrine Disrupting Chemical from wastewater using Solvent Impregnated Resin

 **Supervisors :**Dr. Dipaloy Datta

 **Year of Award :**2020

 2016RCH9024@mnit.ac.in 7906308408



Dr. Swapnil SukhadeoBargole

 [2016RCH9008](#)

 **Thesis Title :**Value added products from waste cooking oil (WCO) using cavitation: process development and intensification

 **Supervisors :**Dr. Virendra Kumar Saharan

 **Year of Award :**2020

 2016rch9008@mnit.ac.in



Dr. Prakash Kumar

 [2014rch9543](#)

 **Thesis Title :**Fluoride adsorption studies on calcium and magnesium amended alumina for drinking water application

 **Supervisors :**Prof.Suja George

 **Year of Award :**2020

 2014rch9543@mnit.ac.in



Dr. Renu

 [2014RCH9064](#)

 **Thesis Title :**Adsorptive Removal of Copper, Cadmium and Chromium From Waste Water: Modelling

and Experimental Study

• Supervisors :Dr.Madhu Agarwal / Prof. Kailash Singh

• Year of Award :2020

✉ renubisht123@gmail.com



Dr. Lokesh Kumar

✉ 2015RCH9506

⚙ Thesis Title :Utilization of Marble Waste Slurry for the Synthesis of PoP through Sulfation and Desulfurization of Flue Gases

• Supervisors :Prof.Susanta Kumar Jana

• Year of Award :2020

✉ 2015rch9506@mnit.ac.in



Dr. Sudhanshu Singh

✉ 2015RCH9505

⚙ Thesis Title :Carboxylic Acid Separation from Aqueous Solution in Microchannel

• Supervisors :Dr. U.K. Arun Kumar

• Year of Award :2020

✉ 2015rch9505@mnit.ac.in 9161734509



Dr. Prakash Kumar Singh

✉ 2014RCH9543

⚙ Thesis Title :Fluoride adsorption studies on calcium and magnesium amended alumina for drinking

water application

Supervisors :Dr. Suja George

Year of Award :2020

2014RCH9543@mnit.ac.in



Dr. PRERANA SIKARWAR

2015RCH9503

Thesis Title :Catalytic desulfurization & denitrogenation of liquid fuels

Supervisors :Dr. V. Subbaramaiah

Year of Award :2019

2015rch9503@mnit.ac.in



Dr. Jitendra Carpenter

2014RCH9505

Thesis Title :Cavitation assisted synthesis of emulsion based delivery systems

Supervisors :Dr. Virendra Kumar Saharan

Year of Award :2019

2014rch9505@mnit.ac.in



Dr. PreranaSikarwar

2015rch9503

Thesis Title :Catalytic desulfurization &denitrogenation of liquid fuels

Supervisors :Dr. V. Subbaramaiah

-  **Year of Award :**2019
-  2015rch9503@mnit.ac.in



Dr. Shivendu

-  [2014rch9057](#)
-  **Thesis Title :**Studies on process intensification of treatment techniques for tannery waste water.
-  **Supervisors :**Prof.Suja George
-  **Year of Award :**2019
-  2014rch9057@mnit.ac.in



Dr. Swati Dubey

-  [2015RCH9033](#)
-  **Thesis Title :**Experimental Study OnDefluoridation Of Drinking Water Using Alum & Poly-Aluminium Chloride And Speciation Of Alumino-Fluoro Complexes
-  **Supervisors :**Dr. Madhu Agarwal and Prof. A.B. Gupta
-  **Year of Award :**2019
-  swatidubey2021@gmail.com



Dr. Shiv Om Meena

-  [2012RCH9002](#)
-  **Thesis Title :**Experimental and Modelling Studies on Neem (*AzadirachtaIndica*) Oil Coated Urea
-  **Supervisors :**Dr. Manish Vashishtha

-  **Year of Award :**2019
-  2012rch9002@mnit.ac.in



Dr. Rakesh Baghel

-  [2014RCH9050](#)
-  **Thesis Title :**CFD Modeling and Experimental Study of Vacuum Membrane Distillation for Removal of Dyes from Aqueous Solutions
-  **Supervisors :**Dr. Sushant Upadhyaya (Supervisor) & Dr. S. P. Chaurasia (Co-Supervisor)
-  **Year of Award :**2019
-  rakeshbaghel2509@gmail.com



Dr. Avdesh Singh Pundir

-  [2013RCH9513](#)
-  **Thesis Title :**Control of non-isothermal fixed-bed reactor
-  **Supervisors :**Prof. Kailash Singh
-  **Year of Award :**2019
-  2013rch9513@mnit.ac.in



Dr. RenuBisht

-  [2014RCH9064](#)
-  **Thesis Title :**Heavy Metal removal from wastewater
-  **Supervisors :**Dr .Madhu Agarwal / Prof. Kailash Singh

✉ Year of Award :2019

✉ renu.bisht123@gmail.com



Dr. SaritaKalla

✉ 2015RCH9022

⚙ Thesis Title :Mathematical modeling and experimental study of air gap membrane distillation for separation of HCl/water azeotrope

人群 Supervisors :Dr. Sushant Upadhyaya /Prof. Kailash Singh

✉ Year of Award :2019

✉ sarita87mishra@gmail.com



Ms. Swati Dubay

✉ 2015RCH9033

⚙ Thesis Title :Defluoridation using continuous process

人群 Supervisors :Dr. Madhu Agarwal, Prof. A.B. Gupta

✉ Year of Award :2019

✉ 2015rch9033@mnit.ac.in



Dr. Gaurav Kataria

✉ 2014RCH9514

⚙ Thesis Title :Soft sensing and control of product composition of reactive distillation column using dynamic neural network

人群 Supervisors :Prof. Kailash Singh

 **Year of Award :**2018
 gkataria64@gmail.com



Dr. Komal Sharma

 **2014RCH9051**
 **Thesis Title :**Removal of Textile Dyes from Aqueous Solution using Reactive Adsorption
 **Supervisors :**Prof. R. K. Vyas/ Prof. Ajay Dalai
 **Year of Award :**2018
 knkomal@gmail.com



Dr. Dhiraj Mehta

 **2013RCH9010**
 **Thesis Title :**Utilization of Marble waste into value added product-Hydroxyapatite
 **Supervisors :**Dr. Suja George
 **Year of Award :**2018
 2013RCH9010@mnit.ac.in



Dr. Ajay Sujan

 **2013RCH9528**
 **Thesis Title :**Studies on Hydrodynamic and Mass Transfer Parameters in a Bubble Column
 **Supervisors :**Dr. R. K. Vyas
 **Year of Award :**2018
 ajaysujan@gmail.com

**Dr. Sunil Rajoriya****✉** 2013RCH9519**⚙ Thesis Title :**Development of Advanced Oxidation Processes (AOPs) based on Hydrodynamic Cavitation for the degradation of Bio-refractory Pollutants**人群 Supervisors :**Dr. Virendra Kumar Saharan**📅 Year of Award :**2018**✉** sunilrajoriya@gmail.com**Dr. Avanish Kumar****✉** 2013RCH9066**⚙ Thesis Title :**Absorption accompanied by chemical reaction of SO₂ in gas-liquid and gas-liquid-solid systems**人群 Supervisors :**Prof. S. K. Jana**📅 Year of Award :**2018**✉** 2013rch9066@mnit.ac.in**Dr. Jharna Gupta****✉** 2013RCH9542**⚙ Thesis Title :**Biodiesel synthesis in helical coil reactor.**人群 Supervisors :**Dr. Madhu Agarwal, Dr. A.K. Dalai**📅 Year of Award :**2018**✉** 2013rch9542@mnit.ac.in

**Dr. AbhayDinker****✉** 2013RCH9067**🎓** Ph.D.**⚙ Thesis Title :**Experimental Thermal Performance Study on Heat Storage Unit Using Beeswax and Graphite**👥 Supervisors :**Dr. Madhu Agarwal**📅 Year of Award :**2017**✉** dinkerabhay@hotmail.com**Dr. Sruti Chakraborty****✉** 2012RCH9520**⚙ Thesis Title :**Moisture Dynamics in Oil Filled Power Transformers**👥 Supervisors :**Dr. Manish Vashishtha**📅 Year of Award :**2017**✉** 2012rch9520@mnit.ac.in**Dr. Saakshy****✉** 2011RCH7109**⚙ Thesis Title :**Treatment, Recycle and Reuse of Waste from Handmade Paper Industry**👥 Supervisors :**Prof. Kailash Singh/ Prof. A.B. Gupta**📅 Year of Award :**2017**✉** saakshyagarwal@gmail.com

A large gray rectangular box with rounded corners containing the text "NO IMAGE AVAILABLE" in bold, capital letters.**Dr. Sruti Chakraborty**

-  [2012RCH9520](#)
-  **Thesis Title :**Moisture Dynamics in Oil Filled Power Transformers
-  **Supervisors :**Manish Vashishta
-  **Year of Award :**2017
-  2012rch9520@mnit.ac.in

A large gray rectangular box with rounded corners containing the text "NO IMAGE AVAILABLE" in bold, capital letters.**Dr. Jitendra Kumar**

-  [2011rch7107](#)
-  **Thesis Title :**Comparative study on performance of PTFE and PVDF membranes for water desalination using Vacuum Membrane Desalination
-  **Supervisors :**Prof.S.P.Chaurasia
-  **Year of Award :**2017
-  2011rch7107@mnit.ac.in

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-  [2012RCH9053](#)
-  **Thesis Title :**Defluoridation Studies using Calcium based compounds
-  **Supervisors :**Prof Suja George
-  **Year of Award :**2016
-  poonam.mbiotech@gmail.com

**Dr. Manisha Sharma**

- ✉ 2010RCH101
- ⚙ Thesis Title :Experimental study and mathematical modeling of reactive adsorption of phenol
- 👥 Supervisors :Prof. R.K. Vyas /Prof. Kailash Singh
- 📅 Year of Award :2015
- ✉ manisha.sharma@jaipur.manipal.edu

**Dr. Isha Arya**

- ✉ 2008RCH101
- ⚙ Thesis Title :Analyses of gas-liquid and gas-liquid-solid foam-bed rectors
- 👥 Supervisors :Prof. S. K. Jana
- 📅 Year of Award :2015
- ✉ 2008rch101@mnit.ac.in

**Dr. D. R. Jangid**

- ✉ 2007RCE108
- ⚙ Thesis Title :Performance Analysis of Activated Sludge Process and Enhancement of Energy Yield using Excess Sludge as a Flocculent in the Primary Settling Tank – A Case Study of STP Delawas
- 👥 Supervisors :Prof. A. B. Gupta/ Prof. R. K. Vyas
- 📅 Year of Award :2015
- ✉ jangid60dr@gmail.com

A large gray rectangular box with rounded corners containing the text "NO IMAGE AVAILABLE" in bold, capital letters.**Dr. Parul Bhatt** 2008RCH901 **Thesis Title :**Studies on Removal of Reactive Blue 19 and Direct Red 81 Dyes from Wastewater using Adsorption and Electrocoagulation **Supervisors :**Prof. R. K. Vyas/ Dr. PrabhatPandit **Year of Award :**2014 parul.bhatt2008@gmail.comA large gray rectangular box with rounded corners containing the text "NO IMAGE AVAILABLE" in bold, capital letters.**Dr. Sushant Upadhyaya** 2008RCH105 **Thesis Title :**Mathematical modeling and experimental study of vacuum membrane distillation for desalination **Supervisors :**Prof. S.P. Chaurasia /Prof. Kailash Singh **Year of Award :**2014 supadyay.chem@mnit.ac.inA large gray rectangular box with rounded corners containing the text "NO IMAGE AVAILABLE" in bold, capital letters.**Dr. Monika Maheshwari** 2007RCH101 **Thesis Title :**Studies on Removal of Ciprofloxacin Hydrochloride from Aqueous Solutions using Adsorption and Advanced Oxidation Processes **Supervisors :**Prof. R. K. Vyas

 **Year of Award :**2014 maheshwari.monika16@gmail.com

NO
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Ms. Neha Sharma 2008rch103 **Thesis Title :**Machine learning based control of TAME and isopropyl acetate reactive distillation column **Supervisors :**Prof. Kailash Singh **Year of Award :**2014 nehasharma103@gmail.com

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Dr. Swati Jain 2009RCH502 **Thesis Title :**Studies on Adsorptive Removal of Acyclovir from Aqueous Solutions **Supervisors :**Dr. PrabhatPandit / Prof. R. K. Vyas **Year of Award :**2013 swatijainbio@gmail.com

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Dr. KritiBhandari 2007RCH107 **Thesis Title :**Studies on synthesis of DHA rich triglycerides from fish oil **Supervisors :**Prof.S.P.Chaurasia/Prof.Alok Gupta **Year of Award :**2012 2007rch102@mnit.ac.in

**Dr. Ravi Dhabhai**

- ✉** 2007RCH103
- ⚙️ Thesis Title :**Studies on Bioethanol production from lingo-cellulosic feedstock
- 👥 Supervisors :**Prof.S.P.Chaurasia
- 📅 Year of Award :**2012
- ✉** 2007rch103@mnit.ac.in

**Dr. Madhu Agarwal**

- ✉** 0690942
- ⚙️ Thesis Title :**Studies on preparation and characterization of biodiesel
- 👥 Supervisors :**Prof. S.P. Chaurasia /Prof. Kailash Singh
- 📅 Year of Award :**2011
- ✉** magarwal.chem@mnit.ac.in

**Dr. Suja George**

- ✉** 036004
- ⚙️ Thesis Title :**Modeling of Interactions of Aluminium and Fluorides in Defluoridation of water
- 👥 Supervisors :**Dr Prabhat pandit/ Prof A.B.Gupta
- 📅 Year of Award :**2009
- ✉** sgeorge.chem@mnit.ac.in

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Malaviya National Institute of Technology Jaipur
 Jawahar Lal Nehru Marg,
 Jaipur-302017 (Rajasthan) INDIA
 webmaster[at]mnit.ac.in

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