

## CURRICULUM-VITAE



**Name** : Priya Pal  
**Birth Date/Sex** : 31-03-1989 / FEMALE  
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### Membership of Professional Societies

1. Life member of Indian Institute of Chemical Engineers (IIChE)
2. Life member of Indian Desalination Association (InDA)

### PROFESSIONAL & BASIC QUALIFICATION DETAILS

Standard / Level	Year	University / Board	Marks
a) PhD (Chemical Engg.)	2014-2019	Malaviya National Institute of Technology, Jaipur (Raj.)	Awarded
b) M.Tech.(Petroleum Processing & Petrochemical Engg.)	2011-2013	Aligarh Muslim University, Aligarh (U.P.)	69.5%
c) B.Tech. (Chemical Engg.)	2007-2011	Chhatrapati Shahu ji maharaj University, Kanpur (U.P.)	68%
d) 12th (CBSE Board)	2007	Kendriya Vidyalaya No.2	60%
e) 10th (CBSE Board)	2005	Kendriya Vidyalaya No.2	71%

### THESIS TITLE

	Title
<b>Ph.D.</b>	Synthesis, Characterization and Performance Study of PVDF Membranes for Liquid Mixture (Glycerol-water) and Gaseous Mixture (H <sub>2</sub> -CO <sub>2</sub> /N <sub>2</sub> ) Separation
<b>M.Tech</b>	Studies on Polymer Surfactant Interaction

### AREA OF INTEREST

Advanced membrane separation, Fluid Mechanics, Heat transfer and Instrumentation & Process Control.

## **SOFTWARE SKILLS**

- Ansys
- Comsol Multiphysics
- Latex
- Origin Pro

## **COMPUTER SKILLS**

- C (basic)
- C++ (basic)

## **BOOK CHAPTER PUBLISHED**

- Priya Pal, S. P. Chaurasia, Sushant Upadhyaya, Madhu. Agarwal, S. Sridhar, Book Chapter15, "*Glycerol Purification Using Membrane Technology*", John Wiley & Sons in Book entitled "Membrane Processes: Pervaporation, Vapor Permeation and Membrane Distillation for Industrial Scale Separation" ISBN: 978-1-449-41822-1, Nov 2018.

## **INTERNATIONAL / NATIONAL JOURNALS**

- Priya Pal, S. P. Chaurasia, Sushant Upadhyaya, S. Sridhar, Rajesh Kumar, "*Development of Hydrogen Selective Microporous PVDF Membrane*", International Journal of Hydrogen Energy, 2019.
- Priya Pal, Sushant Upadhyaya and S.P.Chaurasia, "*Performance of Polytetra fluoroethylene Membrane and Specific Energy Consumption in VMD*", International Journal of Biotechnology and Biomedical Sciences, Nov. 2018.

## **INTERNATIONAL / NATIONAL CONFERENCE**

- Priya Pal, Pappu Burnwal, S.P Chauraisa, Sushant Upadhyaya, S. Sridhar, "*Effects of Coagulation bath on different polymeric membranes morphology and performance for the separation of glycerol water mixture*", International Conference on Energy & Environment: Challenges and Opportunities for Industries, CHEMCON, MNIT, 28-29 Dec 2019.
- Priya Pal, S.P Chauraisa, Sushant Upadhyaya, S. Sridhar, "*Effects of Synthesis Parameters On the Morphology of PVDF Membrane and its Performance*", International Conference On Seamless Chemical Engineering in Service of Humanity: Innovations, Opportunities & Challenges, CHEMCON, Dr. B.R. Ambedkar NIT Jalandhar, 27-30 Dec 2018.
- Priya Pal, S.P.Chaurasia, Sushant Upadhyaya, "*Glycerol Water Separation by Membrane Distillation using PTFE Membrane*", National symposium on water purification & reject management (WPRM -2016), MNIT Jaipur.
- Priya Pal, S.P.Chaurasia, Sushant Upadhyaya, "*Characterization of Crude and Purified Glycerol from Biodiesel Production and Purification Techniques*", 5<sup>th</sup> International Symposium on Fusion of Science & Technology, New Delhi, Jan 18-22, 2016.

## **ALLIED INTERNATIONAL/ NATIONAL CONFERENCES**

- Pappu Burnwal, Priya Pal, S.P Chauraisa, Sushant Upadhyaya, S. Sridhar, “ *Application of Vacuum Membrane Distillation for Desalination*”, International Conference on Energy & Environment: Challenges and Opportunities for Industries, CHEMCON, MNIT, 28-29 Dec 2019.
- Vaibhav Dhyani, Priya Pal, S.P Chauraisa, “ *A Review on Direct Contact Membrane Distillation*”, 5th International conference on fusion of science and technology, 18-22 Jan 2016, Delhi.
- Avadh Oza, Priya pal, S.P. Chaurasia, “ *Bioethanol Production in Membrane Bioreactor (MBR) System: Helping towards Energy and Water Security*”, 3rd Rajasthan Science Congress (RSC), 28th Feb- 2nd March 2015, Manipal University Jaipur, Jaipur

## **WORKSHOPS/CORSES/ SEMINARS ATTENDED**

- GIAN Program “ *Advances in Pipeline Transportation of Crude oils*” organized by MNIT Jaipur, 02<sup>nd</sup> – 06<sup>th</sup> June 2018.
- TEQIP Sponsored Short-term course on “ *Membrane Processes for Water Purification and Reject Management*” organized by Department of Chemical Engg, MNIT Jaipur, 20-24 September 2017.
- Training program on “ *Field Emission Scanning Electron Microscopy*” organized by Material Research Centre, MNIT Jaipur, 28<sup>th</sup> March 2017.
- National Symposium on “ *Water Purification & Reject Management (WPRM-2016)*” organized by Department of Chemical Engg., MNIT Jaipur associated with WWSO, PHED Rajasthan, InDA & IChE, 12<sup>th</sup> Nov 2016.
- Workshop on “ *Nature Inspired Optimization*” organized by Department of Electronics & Communication Engg., MNIT Jaipur, 21<sup>st</sup> -23<sup>rd</sup> October 2016.
- Workshop on “ *Safety & Storage of Explosives & Petroleum Products*” organized by Department of Chemical Engg, MNIT Jaipur, 4<sup>th</sup> -5<sup>th</sup> December 2015.
- Workshop on “ *Small Molecules Analysis by API Mass Spectroscopy*” organized by CSIR-CDRI Lucknow, 2<sup>nd</sup> -3<sup>rd</sup> Nov 2015.
- Short-term training program on “ *Research Methodology*” organized by Department of Mechanical Engg. MNIT Jaipur, 27-31<sup>st</sup> October 2015.
- Workshop on “ *Technical Manuscript Preparation with LaTeX*” organized by Department of Electronics & Communication Engg., MNIT Jaipur, 19<sup>th</sup> September 2015
- National symposium on “ *Chemistry*” under SAP (DRS-I) organized by Department of Chemistry, Aligarh Muslim University, 22<sup>nd</sup> March 2014.
- Workshop on “ *Process Modeling and Simulation*” organized by Department of Chemical Engg. Aligarh Muslim University, 23-24<sup>th</sup> March 2013.
- International conference on “ *Chemistry: Frontiers & Challenges*” Organized by Department of Chemistry, Aligarh Muslim University, 2<sup>nd</sup> -3<sup>rd</sup> March 2013.
- National conference on “ *Hydrocarbon, Energy and Environment (HEEcon-2012)*” organized by Department of Petroleum Studies, Aligarh Muslim University, 25<sup>th</sup> Feb 2012.

## AWARD

First prize on Poster Presentation during National Symposium on “Water Purification & Reject Management” entitled “*Glycerol Water Separation by Membrane Distillation Using PTFE Membrane*”.

## REFERENCES

- Prof. S.P.Chaurasia, Chemical Engineering Department, MNIT, Jaipur (Raj.), [spchaurasia.chem@mnit.ac.in](mailto:spchaurasia.chem@mnit.ac.in)
- Dr. Sushant Upadhyaya, Chemical Engineering Department, MNIT, Jaipur (Raj.), [supadhyay.chem@mnit.ac.in](mailto:supadhyay.chem@mnit.ac.in)
- Dr. Madhu Agarwal, Chemical Engineering Department, MNIT, Jaipur (Raj.), [magarwal.chem@mnit.ac.in](mailto:magarwal.chem@mnit.ac.in)
- Dr. S. Sridhar, Principal Scientist, Indian Institute of Chemical Technology, Hyderabad, [sridhar11in@yahoo.com](mailto:sridhar11in@yahoo.com)



**PRIYA PAL**

**Place: Kanpur**  
**Date: 12-04-2021**