

Name: Dr. P. N. Joshi, Principal Scientist.

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Catalysis & Inorg. Chem. Divn.

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Education and
experience

- M.Sc. Ph.D.
- Post-doc (1994 -1996, Laval University, Quebec, Canada).
- 29 years of experience in the field of synthesis, characterization and applications of zeolites/ mesoporous molecular sieves / mixed oxides / supports / new promising materials with unique compositional/structural peculiarities

Achievements

- Significant contribution in the fields of synthesis, characterization and catalytic applications of zeolites/ mesoporous molecular sieves / mixed oxides / supports / new promising materials with unique compositional/structural peculiarities. (Total paper publications: 113 & patents: 21).
- ICICI Technology of the Year Award (1993).

Research subjects:

- Catalysis and Inorganic Chemistry

Research Areas

- Synthesis, scale up and characterization of novel catalytic materials and adsorbents.
- Green catalytic processes.
- Synthesis of value-added materials from biomass/ waste.
- Heterogeneous catalysis for Biomass-derived Chemicals and

Recent publications

- C.V.Rode, R. B. Mane, A. S. Potdar, P. B. Patil, P. S. Niphadkar, **P. N. Joshi**, *Catalysis Today*, (In press, 2012) doi:[10.1016/j.cattod.2011.11.038](https://doi.org/10.1016/j.cattod.2011.11.038).
- P.S.Niphadkar, K.R.Patil, and **P.N.Joshi**, *Microporous and Mesoporous Materials*, 141 , (2011) 236 – 240.
- P.S.Niphadkar, **P.N.Joshi**, S.S.Deshpande and V.V.Bokade, *Applied Catalysis A: General* 401 , (2011)182 – 188.
- P. S. Niphadkar, A. C.Garade, R. K. Jha, C.V.Rode, **P. N.Joshi**, *Microporous and Mesoporous Materials*, 136 , (2010)115-125.
- M.S. Kotwal, P.S. Niphadkar, S.S. Deshpande, V.V. Bokade and **P.N. Joshi**, *Fuel* , 88(9), (2009) 1773-1778.