

# Ketan R Patel



## *Contact Information:*

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## ***Current Interests***

- Transition metal complexes as heterogeneous/ homogeneous catalysts
- Synthesis of mixed-metals inorganic clusters

## ***Education***

- Ph.D., M. S. University of Baroda, Vadodara, India, 2012
- M.Sc., M. S. University of Baroda, Vadodara, India, 2007
- B.Sc., M. S. University of Baroda, Vadodara, India, 2005

## ***Experience***

- 2012-2013, Post-Doctoral Research Fellow, Department of Ophthalmology and Visual Science, Texas Tech University Health Science Centre, Lubbock, Texas
- 2007- 2008, Trainee Officer in Research & Division at Solvay Advance Polymer, Panoli GIDC, Gujarat.

## **Publications**

- **A. Patel, K. Patel**  
Cs salt of Di-Manganese (II) Substituted Phosphotungstate: One Pot Synthesis, Structural, Spectroscopic Characterization and Solvent free Liquid Phase Oxidation of styrene using different oxidants,  
Polyhedron, 69, 110-118 (2014)
- **K. Patel, A. Patel**  
Functionalization of Keggin type manganese substituted phosphotungstate by R-(-)-1-cyclohexylethylamine: Synthesis and characterization,  
Inorganica Chimica Acta, 382, 79-83 (2012).
- **K. Patel, A. Patel**  
Keggin type inorganic-organic hybrid material containing Mn(II) monosubstituted phosphotungstate and S-(+)-sec-butyl amine: Synthesis and characterization,  
Material Research Bulletin, 47, 425-431 (2012).
- **K. Patel, P. Shringarpure, A. Patel**  
Synthesis, characterization and catalytic activity of non-crystalline organic-inorganic hybrid material comprising Keggin-type manganese(II) substituted phosphotungstate and salen,  
Supramolecular Chemistry, 24, 149-156 (2012).
- **K. Patel, B. K. Tripuramallu, A. Patel**  
Manganese(II) Sandwich-Type Phosphotungstate Complex – Synthesis, Structural Characterization and Catalytic Activity towards Liquid-Phase Aerobic Epoxidation of Alkenes,  
European Journal of Inorganic Chemistry, 1871-1875 (2011).
- **K. Patel, P. Shringarpure, A. Patel**  
One-step synthesis of a Keggin-type manganese(II)-substituted phosphotungstate: structural and spectroscopic characterization and non-solvent liquid phase oxidation of styrene,  
Transition Metal Chemistry, 36 (2), 2011, 171-177.
- **P. Shringarpure, B. Tripuramallu, K. Patel, and Anjali Patel**  
Synthesis, structural, and spectral characterization of Keggin-type mono cobalt(II)-substituted phosphotungstate,  
Journal of Coordination Chemistry, 64, 4016-4028 (2011)

