

1. **Name:** Dr. Sachin B. Kakodkar
2. **Date of Birth:** 26.07.1974
3. **Educational Qualifications:** M. Sc., Ph. D
4. **Department:** Chemistry
5. **Designation:** Assistant Professor
6. **Date of Joining the College:** 05.07.2000
7. **Research Interests:** Material Science, Catalysis
8. **Research Projects:**
 - UGC Minor Research Project ‘**Synthesis, Characterisation and catalytic activity of pure and metal-Ion modified MCM-41 Material**’ vide F. 47-200/2003 (30 MARCH 2005); duration 2 years amount sanctioned Rs 56000 = 00.
Status: COMPLETED

9. **Research Contributions:**

PAPERS PUBLISHED

1. **Catalytic activity of copper Y zeolite towards dehydration of tertiary butyl alcohol**
Sachin B. Kakodkar, Krishnaswamy Narasimhan, Sajo P. Naik and Julio B. Fernandes, Studies in Surface Science and Catalysis, Vol.113, 1998, 729-35.
2. **Electrocatalytic oxidation of methanol on copper Y based zeolite catalyst**
Purnakala B. Sawant, Sachin B. Kakodkar, Sajo P. Naik and Julio B. Fernandes, Recent trends in Catalysis, 1999, 230-5.
3. **Temperature Programmed desorption studies of a Zinc oxide/zeolite Hybrid catalyst**
Sajo P. Naik, Sachin B. Kakodkar, and Julio B. Fernandes, Proceedings of Thermans 2004, 120-121.
4. **Selective synthesis of dibutylamine over Na β zeolite catalyst**
Sachin B. Kakodkar, Sajo P. Naik and Julio B. Fernandes, Bulletin of Catalysis Society of India, 4 (2005) 101-108.
5. **Temperature programmed desorption studies and ammonolysis of n-butyl alcohol over HZSM-5 zeolite catalysts of different Si/Al ratios**
Sachin B. Kakodkar, Sajo P. Naik and Julio B. Fernandes, Proceedings of Thermans 2006, 87-291.
6. **A highly active anatase TiO₂ for alkylation of phenol with methanol**

Aditi R. Gandhe, Sajo P. Naik, Sachin B. Kakodkar, and Julio B. Fernandes, *Catalysis Communications*, 7(2006) 285-288.

7. Temperature programmed desorption studies and ammonolysis of sec-butyl alcohol over Y zeolite

Sachin B. Kakodkar and Julio B. Fernandes, *Proceedings of Thermans 2008*, 244-246.

8. Synthesis, Characterisation and Photocatalytic Activity Of Cadmium Sulphide

S. B. Kakodkar, *The International Journal Of Engineering And Science (IJES)* 2 (7) 2013, 35-38.

9. Synthesis, Characterization and Catalytic Activity of MCM-41 Catalyst for Nitration of Phenol

Sachin B. Kakodkar, *Chemical Science Transactions*, 2015, 4(2), pp 438- 442.
DOI:10.7598/cst2015.952

10. Synthesis, Characterisation and Photocatalytic Activity of Cadmium Sulphide Nanoparticles

Sachin B. Kakodkar, *Chemical Science Transactions*, 2016, 5(1). DOI:10.7598/cst2016.1143

11. Catalytic activity of MCM-41 catalyst for dehydration reaction of isopropyl alcohol: Correlation of catalytic activity with acidity of catalyst

Sachin B Kakodkar, *International Journal of Chemical Studies* 2017; 5(2): 33-34.

PAPERS PRESENTED IN CONFERENCES:

1. Catalytic activity of copper Y zeolite towards dehydration of tertiary butyl alcohol

Sachin B. Kakodkar, Krishnaswamy Narasimhan, Sajo P. Naik and Julio B. Fernandes, 13th National symposium on Catalysis, 1997.

2. Synthesis of ethylamines and N-heterocycles on ZnO modified γ -Al₂O₃ catalyst

Sajo P. Naik, Sachin B. Kakodkar, and Julio B. Fernandes, *National Workshop on Catalysis*, 1997, 29.

3. Catalytic activity of Copper Modified ZSM-5 zeolite towards dehydration of tertiary butyl alcohol

Krishnaswamy Narasimhan ,Sajo P. Naik, Sachin B. Kakodkar, and Julio B. Fernandes, *National Workshop on Catalysis*, 1997, 58.

4. Ammonolysis of tertiary butyl alcohol over HZSM-5 zeolite of different Si/Al ratios

Sachin B. Kakodkar, Sajo P. Naik, and Julio B. Fernandes, National Workshop on Catalysis, 1997, 65.

5. Catalytic Activity of nickel oxides in decomposition reaction of propan-2-ol

Praveen M. Naik, Supriya M. Pai, Sachin B. Kakodkar, Sajo P. Naik and Julio B. Fernandes, 16th Annual Conferences of ICC, 1997.

6. Catalytic Activity of γ -alumina in amination of ethanol

Sajo P. Naik, Sachin B. Kakodkar, and Julio B. Fernandes, 16th Annual Conferences of ICC, 1997.

7. Synthesis and ammonolysis activity of alumina and silica supported NiO catalyst

Ravi Fernandes, Witty D'Souza, Sachin B. Kakodkar, Sajo P. Naik and Julio B. Fernandes, 14th National Symposium on Catalysis, 1998 –139.

8. Catalytic Activity of nickel oxides in decomposition reaction of propan-2-ol

Sajo P. Naik, Sachin B. Kakodkar, and Julio B. Fernandes, 14th National Symposium on Catalysis, 1998, 139.

9. Electrocatalytic oxidation of methanol on copper Y based zeolite catalyst

Purnakala B. Sawant, Sachin B. Kakodkar, Sajo P. Naik and Julio B. Fernandes, 14th National Symposium on Catalysis, 1998.

10. Synthesis, characterization and catalytic activity of a ZnO/zeolite hybrid catalyst

Sachin B. Kakodkar, Sajo P. Naik and Julio B. Fernandes, presented at Gogate-Jogalekar College, Ratnagiri 2003.

11. Synthesis, characterization and catalytic activity of a ZnO/zeolite composite catalyst

Sachin B. Kakodkar, Sajo P. Naik and Julio B. Fernandes, presented at one-day symposium held at Goa University, 2003.

12. Ammonolysis of n-butyl alcohol over HZSM-5 zeolite of different Si/Al ratios

Sachin B. Kakodkar, Sajo P. Naik, and Julio B. Fernandes, presented at National Workshop on Catalysis held at Loyola College, Chennai, 2004.

13. Temperature Programmed desorption studies of a zinc oxide/zeolite hybrid catalyst

Sajo P. Naik, Sachin B. Kakodkar, and Julio B. Fernandes, presented at Thermans 2004 held at M. S. University, Vadodara, 2004.

14. Catalytic activity of HZSM-5 zeolites of different Si/Al ratios for the ammonolysis reaction of sec-butyl alcohol

Sajo P. Naik, Sachin B. Kakodkar, and Julio B. Fernandes, presented at ISCAS 2005 held at Goa University, Goa, 2005.

15. Temperature programmed desorption studies and ammonolysis of n-butyl alcohol over HZSM-5 zeolite catalysts of different Si/Al ratios

Sachin B. Kakodkar, Sajo P. Naik, and Julio B. Fernandes, presented at Thermans 2006 held at University of Rajasthan, Jaipur, 2006.

16. Ammonolysis of t-butyl alcohol over ZSM-5 zeolites: Reaction mechanism and elucidation of active sites

Sachin B. Kakodkar, Sajo P. Naik, and Julio B. Fernandes, presented at DMC College, 2007.

17. Temperature programmed desorption studies and ammonolysis of sec-butyl alcohol over Y zeolite

Sachin B. Kakodkar and Julio B. Fernandes, presented at Thermans 2008 held at IGCAR, Kalpakkam 2008.

18. The Increasing Role of Art and Theater in National Service Scheme Activities

Sachin B. Kakodkar and Hanumant C. Chopdekar, presented at National Seminar held at Mamashaeb Mohol College, Pune, December 2008.

19. Catalytic activity of HZSM-5 zeolites of different Si/Al ratios for the ammonolysis reaction of sec-butyl alcohol

Sachin B. Kakodkar and Julio B. Fernandes, presented at National Symposium on Catalysis, CATSYMP-19 held at NCL, Pune, January 2009.

20. Synthesis, Characterization and Catalytic Activity of MCM-41 catalyst for Knoevenagel condensation reaction of benzaldehyde and ethyl cyanoacetate

Sachin B. Kakodkar, presented at National Symposium, GIT Belgaum (2016).

21. Synthesis, Characterisation and Photocatalytic Activity of Cadmium Sulphide

S. B. Kakodkar and G. K. Naik, presented at National Symposium, GIT Belgaum (2018).