

Curriculum Vitae

DR. SUJIT SAMANTA

Associate Professor

V T T College, Midnapore

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Teaching Experiences :18 years(including school)



Biography

B.Sc.[Chemistry (hons)] From University of Calcutta, 1997,

M.Sc.(Chemistry) From University of Calcutta, 1999,

Ph.D. from Jadavpur University, 2006

M.Ed. from University of Calcutta, 2010

Research

Research interest :

Synthesis and Characterization of mesoporous metal containing molecular sieves and metal oxide nanoparticles inside mesoporous silica, Studies of catalytic activities of the molecular sieves, Synthesis of layer double hydroxide (LDH) and use it in Efficient removal of arsenic from polluted ground water, Synthesis of high silica mordenite and Studies its catalytic activity.

Research Experiences: 18 years

Awards/ Fellowship

- a. NET Dec 2000, June 2001, Dec 2001
 - b. GATE 2000
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Books written

Sl. No.	Title with page no.	Type of Book, & authorship	Publisher& ISSN/ ISBN No.
1.	ESSENTIALS OF TEACHER EDUCATION IN INDIA	Reference Books & Single	National & ISBN 978-93-82974-54-3
2.	MEASUREMENT AND EVALUTION IN EDUCATION	Reference Books & Single	National & ISBN 978-93-82974-53-6

List of Publications:

1. Synthesis and Characterization of Iron-Rich Highly Ordered Mesoporous Fe-MCM-41, **S. Samanta**, S. Giri, P. U. Sastry, N. K. Mal, A. Manna, A. Bhaumik, Ind. Eng. Chem. Res. 42 (2003) 3012.
2. Highly active disordered extra large pore titanium silicate, A. Bhaumik, **S. Samanta**, N. K. Mal, Microporous and Mesoporous Mater. 68 (2004) 29.
3. Hydrothermally synthesized high silica mordenite as an efficient catalyst in alkylation reaction under liquid phase condition, **S. Samanta**, N. K. Mal, P. Kumar, A. Bhaumik, J. Mol. Catal. A: Chem. 215 (2004) 169.
4. Mesoporous tin silicate: an efficient liquid phase oxidative dehydrogenation catalyst, **S. Samanta**, N. K. Mal, A. Manna, A. Bhaumik, Appl. Catal. A: Gen. 273 (2004) 157.
5. Efficient Removal of Arsenic from Polluted Ground Water, A. Bhaumik, **S. Samanta** and N.K. Mal, J. Appl. Sci. 4 (3): (2004) 467.
6. Co(III)-containing mesoporous silica as an efficient catalyst in selective dihydroxylation of cyclohexene, **S. Samanta**, S.C. Laha, N.K. Mal, A. Bhaumik, J. Mol. Catal. A: Chem. 222 (2004) 235.

7. Magnetic properties of a α -Fe₂O₃ nanoparticle synthesized by a new hydrothermal method S.Giri, **S. Samanta**, S.Maji, S. Ganguli, A. Bhaumik, J. Magne. Mag. Mater. 285 (2005) 296.
8. Highly dispersed zinc phosphate microdomains in mesoporous silica, A. Bhaumik, **S. Samanta**, N. K. Mal, P. Kumar, A. Manna, Chem. Eng. Sci. 60 (2005) 839.
9. Mesoporous Cr-MCM-41: an efficient catalyst for selective oxidation of cycloalkanes, **S. Samanta**, N.K. Mal, A. Bhaumik, J. Mol. Catal. A: Chem. 236 (2005) 7.
10. Efficient removal of arsenic from polluted ground water using a LDH exchanger, A. Bhaumik, **S. Samanta**, N.K. Mal, Ind. J. Chem. 44A (2005)1406.
11. Synthesis and characterizations of iron oxide nanoparticles inside highly ordered mesoporous silica channel A. Bhaumik, **S. Samanta**, N.K. Mal, Pramana-J.Phys.,Vol. 65, No.5, November 2005.
12. Efficient allylic oxidation of cyclohexene catalyzed by immobilized Schiff base complex using peroxides as oxidants S. Mukherjee,a **S. Samanta**, A. Bhaumik,B. C. Roy Appl. Catal. A: Gen. 275 (2006) 78.
13. Mechanistic study of cyclohexene oxidation and its use in modification of industrial waste organics. S. Mukherjee, **S. Samanta**, A. Bhaumik, B. C. Roy Applied Catalysis B: Environmental, Volume 68, Issues1-2, 26 October 2006, Pages 12-20
14. Attitude of Secondary School Teachers towards The Inclusion of Special Educational Need (SEN) Children In General Education Classroom. **S. Samanta** International Journal of Innovative Research and Advanced Studies, Vol 3, Issue 9, August 2016 (Page 185-188) (ISSN:2394-4404)
15. Effect of Activity-Based Physical Science Teaching Upon Students At Secondary Level and Experimental Study. **S. Samanta** International Journal of Innovative Research and Advanced Studies, Vol 3,Issue 9, August 2016 (Page 211-214) (ISSN:2394-4404)
16. Women Education In India: Problem and Prospect. International Journal of Innovative Research and Advanced Studies, **S. Samanta** Vol 3,Issue 9, August 2016 (Page 215-217) (ISSN:2394-4404)

17. Attitude of Secondary School Teachers In Different Dimension of Teaching Profession. **S. Samanta**, International Journal of Innovative Research and Advanced Studies, Vol 3, Issue 9, September 2016 (Page 1-4) (ISSN:2394-4404)

18. A Correlation Study of Students' Theoretical and Practical Examination Score in Two Year B.Ed. Course, **S. Samanta**, International Journal of Research and Analytical Reviews, November 2018 (Page 131-136) (ISSN:2349-5138)