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Education and experience

Presently, Chief Scientist, Coordinator, Centre of Excellence in Solar Energy (CSIR-NCL), Adj Professor, IISER, Pune, Professor, AcSIR

Ph.D. Pune University1980, Faculty at the University of Poona (1980-2006), Senior research Scientist, University of Maryland, College Park (1996-2006).

Achievements

Winner of the INSA Young Scientist Medal 1985, SathyaMurthy award 1987, MRSI Medal 1990, MRSI-ICSC award, 1992, B. M. Birla prize, 1992, Raman Prize of the UGC, 1994. Elected Fellow of the Indian Academy of Sciences (FASc), 1992, National Academy of Sciences, Allahabad (FNASc), 2010. Ramanujan National Fellow, 2006-2011, NCL Scientist of the Year 2010, IBM-IUSSTF Fellow in Nanotechnology 2011.

Research subjects:

- Materials Science

Research Areas

- Dye Sensitized and Hybrid Solar Cells
- Solar Water Splitting for hydrogen generation
- Functional Carbon Nanocomposites for Energy

Recent publications


- Muduli S, Game O, Dhas V, Yengantiwar A, and **Ogale SB**, 2011, Shape Preserving Chemical Transformation of ZnO Mesostructures into Anatase $TiO_2$ Mesostructures for Optoelectronic Applications, 2011, ***Energy & Environ Sci.*** 4, 2835.

- Kelkar SA, Shaikh P**, Ogale SB**, 2011, Nanostructured $C_{d2}Sn_{O4}$ as Energy Harvesting Photoanode for Solar Water Splitting, ***Energy & Environ Sci.*** 5, 5681.

- Deo M, Mujawar S, Game O, Ashish Y, Banpurkar A, Kulkarni S, Jog J and **Ogale SB**, 2011 Strong Photo-Response in a Flip-Chip Nanowire p-Cu2O/n-ZnO Junction, ***Nanoscale***, 3, 4706.

- Biswal M, Dhas V, Mate V, Banerjee A, Pachfule P, Aggarwal K, **Ogale SB**, Rode CV, 2011, Selectivity tailoring in liquid phase oxidation over MWNT-$Mn_3O_4$ nanocomposite catalysts, ***J. Phys. Chem. C*** 115, 15440.

- Suryawanshi A, Dhanasekaran P., Mhamane D, Kelkar S, Patil S, Gupta Narendra, **Ogale SB**, 2012, Doubling of photocatalytic H2 Evolution from g-$C_3N_4$ via its nanocomposite formation with multiwall carbon nanotubes: Electronic and Morphological Effects, ***International Journal of Hydrogen Energy*** (Accepted).