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Education and experience

- PhD (Physical Chemistry), Nagpur University, Nagpur
- MSc (Physical Chemistry), Nagpur University, Nagpur
- Principal Scientist, NCL Pune

Achievements

- Preparation of CNT thin films on silicon
- Surface modification of CNTs for their dispersion in various working solvents
- Functionalization of MWNTs for H₂-storage
- Functionalization of CNTs for catalytic hydrogenation
- Functionalization of MWNTs and CNFs for nanocomposites

Research subjects

- Physical Chemistry
- Materials Science

Research Area

- Carbon Nanotechnology – synthesis, purification, characterization and functionalization of carbon nano-structured materials (carbon nanotubes, graphene, etc.); application-oriented studies on functionalized carbon nanostructures.

Recent publications

- V.A. Rane, S.S. Meena, S.P. Gokhale, S.M. Yusuf, G.J. Phatak, S.K. Date, J. Electron. Mater. 42 (2013) 761.
- A. Charanpahari, S.S. Umare, S.P. Gokhale, V. Sudarsan, B. Sreedhar, R. Sasikala, Appl. Catal. A 443-444 (2012) 96.
- Gaurav Patil, Chetan Sarode, Rahul Patil, Suresh Gokhale, Chem. Lett. 41 (2012) 871.
- P. Singh, M.V. Kulkarni, S.P. Gokhale, S.H. Chikkali, C.V. Kulkarni, Appl. Surf. Sci. 258 (2012) 3405.