

Bhoopesh Pandit Mahale



PhD Institution and Year : Dept. of Electronic Science, University of Pune, Aug. 2015

Date of Joining IISc : 2 May 2016

Area(s) of Research : Piezoelectric Materials, Composites, Sensors and actuators, Instrumentation

Name of the Post-doctoral Fellowship : -

Laboratory where currently working : Electro-Ceramics Laboratory (Prof. Rajeev Ranjan)

Department : Materials Engineering

Email address and Telephone number :

Topic(s) of Research : Development of piezoelectric materials/composites and their applications as sensors, energy harvesting and/or energy storage devices

Research Publications in IISc :

Other accomplishments and recognition while in IISc :

What information will be useful to post-docs if it is available on the post-doc page on the IISc Website ? List the items.

Facilities available in the Department.

*Structural Characterisation: *Optical Microscope, SEM, EPMA, AFM & STM, TEM, FTIR and XRD;
*Thermal Analysis: *DSC, DT/TGA;; *Mechanical Testing: *DMA, Depth Sensing Indentation, Thin film residual stress, UTM, Impact and Hardness testing; *Materials Processing: *Solid State Processing, Liquid State Processing, Thin Film Deposition, Liquid State Processing; *Particle characterization: *Particle Size Analyser, Zetasizer, Automatic Micropore Physisorption Analyzer; *Chemical Analysis: *ICP, Atomic Absorption Spectrometer, HPLC, GPC/SEC

A tweet about your post-doctoral experience in IISc :

Availability of all required facilities, guidance of experienced and expert mentor makes research more creative and interesting.