

## 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.