

Full name:* Bhoopesh Pandit Mahale*

2) PhD institution and year: *Dept. of Electronic Science, University of Pune, Aug. 2015*

3) Date of joining IISc: *2 May 2016*

4) Area(s) of research: * Piezoelectric Materials, Composites, Sensors and actuators, Instrumentation*

5) Name of the post-doctoral fellowship (if applicable):

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

7) Department: *Dept. of Materials Engineering*

8) Email address and telephone number (not mandatory):

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

10) Research publications in IISc: <provide full citation information.>

11) Other accomplishments and recognition while in IISc: -

12) <Attach a jpeg image of your recent photo. (not mandatory)

13) What information will be useful to post-docs if it is available on the post-doc page on the IISc website?

List the items. If you provide that information, it will be greatly appreciated.

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

14) A tweet about your post-doctoral experience in IISc (limit it to 140 characters).

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

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