

- 1) Full name: Dr. Puspendu Barik
- 2) PhD institution and year: Visva-Bharati University, 2013
- 3) Date of joining IISc: 10-05-2016
- 4) Area(s) of research: Photonics, Applied Optics (Expt.)
- 5) Name of the post-doctoral fellowship (if applicable): Dr. D S Kothari Postdoctoral Fellow
- 6) Laboratory where currently working: Soft Nano Materials Physics Group (Prof. Jaydeep Kumar Basu)
- 7) Department: Department of Physics
- 8) Email address and telephone number (not mandatory): pbarik_mid1983@yahoo.co.in, +91-8884866103
- 9) Topic(s) of research:
 - a) Broad Research Interests: Applied Optics (Expt.), Material Science (Expt.), and Condensed Matter Physics (Expt.)
 - b) Main Research Interests: Light-matter interactions, Photonic-Plasmonic structures, Magneto-optics, Semiconductor Optics, nano-Ferroelectrics, Optical Properties of semiconductor nanostructure (mainly II-VI, IV-VI).
- 10) Research publications in IISc: No
- 11) Other accomplishments and recognition while in IISc: Publish a book chapter during IISc stay P. Barik, A. K. Singh, E. V. García-Ramírez, J. A. Reyes-Esqueda, J. S. Wang, H. Xi and B. Ullrich, (2016) Strongly Confined PbS Quantum Dots: Emission Limiting, Photonic Doping, and Magneto-optical Effects, in Advanced Magnetic and Optical Materials (eds A. Tiwari, P. K. Iyer, V. Kumar and H. Swart), John Wiley & Sons, Inc., Hoboken, NJ, USA. DOI: 10.1002/9781119241966.ch11
- 12) <Attach a jpeg image of your recent photo. (not mandatory) Photo attached below.....>
- 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.
 - a) Supervisor's Name of the postdoc fellow
 - b) Should have a column for their previous research, academic and related experience (in short, portfolio type)
 - c) Topic of research should be in two category - theoretical research and experimental research. Then, one may divide further into two - Broad Research Interests and Main Research Interests - so that anyone can recognize that fellow's actual research topic if they want.
 - d) If possible, their full publication details (during IISc stay and previous publications) in short form.
- 14) A tweet about your post-doctoral experience in IISc (limit it to 140 characters).
 "One can do almost everything what they will do at their postdoc stay in abroad"
 The information in row-13 exclusively is my opinion - may be, my views are not correct. Thanking you, Dr. Puspendu Barik
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