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2. Designation and Present Institution (different lines separated by commas):  
**Scientist D,**

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7. Brief account of your research interests with special focus on Nano Science and Technology (strictly within 300 words):

**I am currently working as a Scientist at the Nanotechnology Research Center, SRM University. My research interests include application of nanostructured materials for magnetic storage devices, drug delivery systems and micro fluidics.**

**In the last few years I have published 16 papers in reputed international journals with good impact factors with a majority of them in applied physics. I have also been instrumental in the development of a soft lithography based template for bit patterned media applications based on which I have a few papers and have patented this technology in India and the U.S.A. In addition, I have worked on nanofilters for water purification and on the fabrication of carbon nanostructures and am currently focusing my research on application of magnetic nanoparticles in hyperthermia based cancer treatment and in micro fluidic channel for separation and detection of neglected tropical diseases. I recently hosted the 5<sup>th</sup> IEEE Magnetics Society Summer School in India and am involved in several international societies such as IEEE Magnetics Society, American Physical Society, etc.**

8. Keywords related to your research interests (maximum 10, different lines separated by commas)

**Magnetism,**

**data storage,**

**patterned media,**

**magnetic nanostructures,**

**sprintronic,**

**micro fluidics,**

**hyperthermia,**

**magnetometer,**

**nanoparticles,**

**thin films**