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7.	Brief account of your research interests with special focus on Nano Science and Technology (strictly within 300 words): I have my interest in nano-biotechnology, with primary objectives to biofabrication of noble metal nanoparticles by utilizing endophytic microbes for exploiting them in site directed drug delivery. I have evaluated several endophytic strain including fungi and actinomycetes from several medicinal

	plants for biofabrication of highly structured nanomaterials. *Aspergillus clavatus* obtained from *Azadirachta indica* plant was among them. I have successfully biofabricate poly-dispersed extracellular silver nanoparticles ranging between 10-30 nm sizes by this model strain of fungi. The silver nanoparticles were found to have significant anti-microbial activity against *Candida albicans*, in *in vitro* experiments (**Verma *et al.* 2010, Nanomedicine-UK**). Additionally I have also engaged in size controlled synthesis of gold nanoparticles and successfully synthesize the Gold nanotriangles GNT, these GNTs were characterized by the UV-vis NIR, TEM, XRD and AFM (**Verma *et al.* 2010, IOP-Nanotechnology, revised submitted**). My next goal is to use these nanoparticles in drug delivery.  **Verma, VC,** Kharwar, RN and Gange AC (**2010**) Biosynthesis of anti-microbial silver nanoparticles from endophytic fungus *Aspergillus clavatus*. Nanomedicine-UK, 5(1), 33-40. [Impact Factor 6.1]  **Verma, VC,** Ulrichs, Ch, Singh, SK (**2010**) Biofabrication of gold nanotriangles from *Sacchromonospora* sp. an endophytic actinomycetes of *Azadirachta indica* A. Juss. ***IOP-Nanotechnology, In Review***
8.	Keywords related to your research interests (maximum 10, different lines separated by commas) Nanomedicine, Drug delivery systems, Nanoparticle engineering, Biofabrication, Nano-carriers, Magnetic nanoparticles