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6.	Brief account of your research interests with special focus on Nano Science and Technology (strictly within 300 words): <p>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. <i>Aspergillus clavatus</i> obtained from <i>Azadirachta indica</i> 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 <i>Candida albicans</i>, in <i>in vitro</i> experiments (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 (Nanoscale Research Letters). My next goal is to use these nanoparticles in drug delivery.</p>	

	<p>Verma VC, Singh SK, Solanki R, Prakash S (2011) Biofabrication of anisotropic gold nanotriangles using extract of endophytic fungus <i>Aspergillus clavatus</i>, as a dual functional reductant and stabilizer. Nanoscale Research Letters, 6, 261.</p> <p>Verma VC, Kharwar RN and Gange AC (2010) Biosynthesis of anti-microbial silver nanoparticles from endophytic fungus <i>Aspergillus clavatus</i>. Nanomedicine-UK, 5(1), 33-40.</p> <p>Verma VC, Kharwar RN and Gange AC (2009) Biosynthesis of noble metal nanoparticles and their application. CAB Review: perspectives in agriculture, Veterinary science, nutrition and natural resources 4(no. 26), 1-17.</p>
7.	<p>Keywords related to your research interests (maximum 10, different lines separated by commas)</p> <p>Nanomedicine, Drug delivery systems, Nanoparticle engineering, Biofabrication, Nano-carriers, Magnetic nanoparticles</p>