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7.	Brief account of your research interests with special focus on Nano Science and Technology (strictly within 300 words): 1. Synthesizing **nanostructured** materials from metal chips - a viable low cost method for the synthesis of nanostructured materials. 2. Development of **nanostructured coatings** for various applications such as wear resistance, temperature resistance etc., using pulse plating (electroplating) technique. 3. Development of **nanostructured** low cost cutting tool materials (tungsten carbide, cermets and ceramics) that would exhibit the ideal properties of cutting tool materials such as high fracture toughness, resistance to abrasion and

	oxidation, hot hardness and lack of affinity with the workpiece material 4. Development of metal matrix composites such as Aluminium matrix composites using **nanostructured** SiC as reinforcement. 5. Development of Nanocomposites such as ceramic matrix nanocomposites through high energy ball milling 6. Development of Nanocomposites reinforced by carbon nano tubes (CNT)
8.	Keywords related to your research interests (maximum 10, different lines separated by commas) Nanostructured materials, High energy ball mill, Nanostructured coatings, Pulse plating, Severe plastic deformation