

Expert Registry

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6	<p>Research Interest:</p> <p>My research work is Production of Nanocrystalline Materials through Machining and Its Optimization. The specific research contributions to the existing knowledge base are as follows: Oblique machining which is a low cost method for synthesis of nanomaterials through machining is identified in this research work for the first time. The optimum machining conditions which yield the nanocrystalline structure for Aluminium Matrix Composites, Stainless Steel and High Carbon Steel are identified. This is the first time such documentation will be made in the literature. These contributions have resulted in the publication of 4 papers in National / International journals and 2 papers in International conferences held in India and abroad.</p> <p>I have been doing research in the Centre for Nanomaterials / Micromachining in the department of mechanical engineering at Sona College of Technology which is a approved research centre by the Anna University of Chennai for doing research work. Some research and development work is going in the nano materials and micromachining area in the above centre. I have done my research work in the project sanctioned by Department of Science & Technology (DST). Also presently, I am guiding B.Tech/ M.Tech students for their project work in the nano materials domain.</p>
6	Keywords: Nanomaterials, Nanocomposites, Machining, Ball milling,