


Brief CV

Name	KHUSHI RAM	中文名		
Gender	MALE	Title (Pro./Dr.)		
Position (President...)		Country	INDIA	
University/Department	UNIVERSITY OF DELHI			
Personal Web Sites				
Research Area	POLYMER COMPOSITE MATERIALS			
<p>Brief introduction of your research experience: Characterization and Fabrication of Polymer Composite Materials.</p> <p>Fiber reinforced polymer composites are being widely used in the field of engineering, medical, automobile, aerospace and military due to their inherent properties such as light in weight, high mechanical strength, resistant to corrosion and high thermal stability. Fiber reinforced polymer composites are being intensively used for the fabrication of ballistic helmet, bullet proof vest, spacecraft components and automobile industry. The most commonly employed synthetic fibers are glass, carbon and kevlar. The environmental problems associated with early manufacturing and after life processing of the plastic based products motivated the researchers to develop a substitute material. Bio-composites are such materials which have been proved to substitute synthetic plastics in various structural and non-structural application. Incorporation of natural fibers as reinforcement in place of synthetic fibers helps to maintain the sustainability. Natural fibers such as jute, kenaf, hemp, sisal, ramie, pineapple, coir etc. have attracted a huge attention of material scientists working in the field of polymer matrix composites. Natural fibers have many prevalence such as bio-degradability, low density, higher aspect ratio, ease of processing and high mechanical properties which in turn increases their area of applications. Some of the most common industrial application in the automotive industry are door panels, package trays, seat backs, head-rest, dash board and trunk liners.</p>				