Aquitaine-Karnataka collaboration

Scientific Project for Pre-PhD student exchange

Scientific Proposal

Project title.	**Effective utilization of buffing powder waste from tyre remolding industry in concrete and paver block.**	
Scientific domain	Civil Engineering	
Summary (ca. 10 lines)	By making a crumbs of recycled tyre waste, using these in a concrete as a partial replacement of coarse aggregate and use of buffing power as a partial replacement of fine aggregates in concrete. In the current study, M20 grade of concrete is made by using different proportions of crumbed rubber and buffing powder as a partial replacement of aggregates. These concrete and paver block are investigated for its compressive strength, Density test, Acoustics property by dropping ball and Porosity test.	
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Timing & duration for project	3 months	
Representative Reference	1. Crumb rubber in concrete: Static and dynamic evaluation Ali O. Atahan ⇑, Ayhan Öner Yücel Mustafa Kemal University, 31200 _Iskenderun, Turkey 2. Measurement and Prediction of the Strength of Rubberized Concrete Neil N.Eldin & Ahmed B.Senouci Civil Engineering Department, Oregao State University, 108 Apperson Hall, Corvallis, Oregon 97331, USA.	