

# Past Investigations on Strength and Durability Characteristics of Natural Fibre Reinforced Cement Composites with Nano Silica

Sureshkumar Narayanan<sup>1</sup>, M. Adithya<sup>2</sup>, B. Gayathry<sup>3</sup>, S. Jayasree<sup>4</sup>, B. Straya<sup>5</sup>

Associate Professor, Department of Civil Engineering<sup>1</sup>

UG Students, Department of Civil Engineering<sup>2,3,4,5</sup>

Anjalai Ammal Mahalingam Engineering College, Kovilvenni, Tiruvarur, Tamil Nadu, India

Affiliated to Anna University

**Abstract:** *Natural fibres have drawn attention from the researchers and engineers in the recent years due to their mechanical and durability characteristics comparable to the conventional synthetic fibres, steel fibres, etc, and due to their low cost, eco-friendliness and biodegradability. Enormous experimental studies are being carried out to determine the mechanical behaviour of different natural fibre types such as the modulus of elasticity, split tensile strength, flexural strength and Poisson's ratio. This review paper shall focus on strength and durability properties of the major types of natural fibre reinforced composites based on the recent experimental investigations and findings of the researchers.*

**Keywords:** Natural fibre, Cement composites, Nano Silica, Mechanical properties, Durability properties.

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