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### Effect of Bagasse Ash in Properties of Cement Paste and Mortar

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**Abstract** : Bagasse ash, the industrial by-product which harms the environment and causes disposal problems<sup>2</sup>. The incorporation of bagasse ash in cement mortar and concrete may give the satisfactory solution for environmental issues. The replacement of OPC with bagasse ash was made at 5, 10, 15, 20, 25 and 30%. The effect of bagasse ash on properties of cement mortar (1:3) was investigated experimentally. In this study, the test on cement for the control mix and the mix with bagasse ash was verified. The mechanical properties such as compressive strength, flexural strength were analysed experimentally.

**Keywords**: Bagasse ash, Cement mortar, Compressive strength and Flexural strength.

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