**Cover letter for submission of a paper**

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**Dear Dr. Ying Huang**

*Greetings for the Day!!*

I wish to submit a manuscript entitled “**Feasibility Study on Use of Plastic Waste as Fine Aggregate in Concrete Mixes**”, for consideration by the Journal of Building Materials Science. I confirm that this work is original and has not been published elsewhere nor is it currently under consideration for publication elsewhere.

The main purpose of this study is to investigate the mechanical properties of concrete such as workability, compressive, flexural and split tensile strengths of concrete mixes with partial replacement of conventional fine aggregate with aggregate produced from plastic waste. The use of plastic aggregate as replacement for fine aggregate enhances workability and fresh bulk density of concrete mixes. The mechanical properties of concrete such as compressive, flexural, and tensile strengths of concrete reduced marginally up to 10% replacement levels. The use of this waste in infrastructure development works would result in possible saving of natural conventional aggregates and reduction in overall cost of project.

Thank you for your consideration of this manuscript. Please do all correspondence to me at following email id: [sudarshankore123@gmail.com](mailto:sudarshankore123@gmail.com), 2013rce9008@mnit.ac.in

With warm regards,

**Dr. Sudarshan Dattatraya Kore**

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