

16<sup>th</sup> International Conference on

# Emerging Materials and Nanotechnology

March 22-23, 2018 | London, UK

## Potential use of quarry waste as construction and building material: A review

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Quarry activity is a highly unsustainable process as it produces land, water, air and noise pollution. It adversely affect the ecology of surrounding areas and generating tons of waste. It has been estimated that of entire quarrying process, about 30% to 40% of quarry product is unfit for commercial use and is discarded as waste. This waste is either the filled back in quarry pit or disposed of in landfill which has its own drawbacks. Various research has been conducted which show that this waste has potential to be used as construction and building material like cement, concrete, bricks, etc. This paper provides a review of such recent studies conducted around the world and gives a general overview of the potential areas where this quarry waste can be used as partial, to full replacement of conventional materials.

### Biography

Jethoo A.S. is Associate Professor in Department of Civil Engineering, Malaviya National Institute of Technology, Jaipur (India) as expertise in water resources and environmental engineering. Jethoo has his expertise in environment friendly materials. He has published more than 80 papers in International and National journals and conferences. He has served as the head of the Engineering College, Ajmer (India) for three years.

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