



Impact of Stubble Burning on Environment and Agriculture: A Review

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Abstract: Stubble burning is a practice which is used by the farmers for the preparation of land for next cultivation. It is also referred as a practice of removing paddy crop residues by burning it in order to prepare the field for next crop. This practice is now considered as one of the vital activities that degrade or affect the ambient air quality, which is now responsible for air pollution. It also includes the removal of a large portion of the organic matter, nitrogen, phosphorus and a great loss of biodiversity. It causes damage to the microorganisms present in the upper fertile layer of the soil, which further affects the organic quality of soil. It has also been observed that this practice has increased in the last few decades due to the excessive use of combine harvesters that leave stalks behind. Nowadays, many researchers are using remote sensing and GIS techniques to estimate the stubble burn area. Thus, in this review, an attempt is made to study the impact of stubble burning on environment, agriculture, and health.

Keywords: Stubble, Pollution, Particulates, Impact, Emissions
