





Impact of massive sugarcane residue burning, dispersion, and associated health risk assessment of PM₂₅ in Mandya District, India

Introduction

- India is the largest sugarcane producing country, generates huge amount of residue.
- Farmers use to burn the residue in rural areas, makes air pollution.

Lower Respiratory Trac



Material & Methodology

- Finding hotspot.
- Co-locating sampling site.
- Ground level monitoring of PM2.5.



Fig : GRIMM PM Sampler

- HYSPLIT backward ulletTrajectory model.
- To find the downwind • direction at different altitudes.



Fig: Hysplit Model output

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Modelling



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