

## Joint Conference

International Conference on

## ENVIRONMENTAL MICROBIOLOGY AND MICROBIAL ECOLOGY

&amp;

International Conference on

## ECOLOGY AND ECOSYSTEMS

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**Assessment of air quality and human health surrounding in mines****Akhilesh Kumar Yadav, Saba Shirin and Aarif Jamal**

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Singrauli coal field in Uttar Pradesh and Madhya Pradesh are the richest coal bearing areas in India, which contain large quantities of high grade coal used in thermal power plants. Mining has a definite process of extracting the minerals from the open and underground mines inside the earth's crust. It is usually associated with the degradation of natural resources and the destruction of habitat. The visible impact of mining on environment and on air quality, human health when compositional changes immediately influence the health of mine professionals and adjoining population along with dusting of men and machinery in adjoining population. The suspended solid in the form of particulate matter has affected the respiratory system and affected the production also. The study has covered air pollutions in mines for various mining operations and its impact on the human health and environment.

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