

## A Novel Fumigation technique for antibacterial action

### Salient features of the technology

- The technology relates to both a fumigant mixture and fumigation chamber for antimicrobial profiling.
- The technology provides a special fumigation chamber for antimicrobial profiling and producing anti-bacterial effect under controlled conditions.
- This fumigation formulation is environment friendly and devoid of known toxic pollutant.
- The fumigation components show anti-microbial effect against wide variety of human pathogenic bacteria including *M. tuberculosis* and other multidrug resistant ones.
- The formulation also leads to emanation of biochemicals having beneficial effects for holistic well being.
- It can be adapted for use in fumigation of closed spaces for microbial decontamination.
- Opportunity of potential application in inhalational therapy of many human diseases also exists.
- The technology has been developed up to laboratory scale.
- It is developed by J.L.N Medical College, Ajmer in collaboration with ICMR.
- Patent has been filed in India.



Fig. Fumigation or Smoke Chamber producing antimicrobial effect