Development of a Novel Electronic Nose Assembly for the Detection and Deletion of Fungi in North-East Region of India

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Abstract
This paper reports about design and development of a novel mobile electronic nose assembly, which is an inspection cum controlling system. It is used to detect and control the fungi growth. The Model is tested in North-Eastern (Shillong) Region of India. The diseases like Aspergillosis, mucor amphibiorum, penicillium marneffei and hypersensitivity pneumonic are caused due to long term exposure of Aspergillus Sp., Mucor Sp. and Penicillium Sp. fungi which causes severe breathing problem, bleeding lungs, cancer and even death. The developed system can be used in the room/laboratory/library or any closed environment in which the fungal growth control is needed to prevent the spread of fatal diseases.

Reference

- Chauhan, H.V. S. and Roy, S., Poultry Diseases, Diagnosis and Treatment, 3rd Edition, New Age International Publisher, 2007

**Index Terms**

Computer Science  Wireless

**Key words**

Artificial olfaction  fungal

growth  health

Electronic Nose