



STUDY OF INDOOR AEROMYCOFLORA IN ANGANWADI OF GARIYABAND DISTRICT, RAIPUR (C.G.)

Megha Agrawal¹, Labya Prabhas²

¹*Gurukul Mahila, Mahavidyalaya, Kalibadi Road, Raipur (C.G)*

²*School of Life Sciences, Pt. Ravishankar Shukla University, Raipur (C.G.)*

ABSTRACT

Chhattisgarh is an identified state for tribal population in India. In Gariyaband district of Chhattisgarh, majority of population lives in villages and rural areas. In these villages children use to go to courtyard shelters known as "Anganwadi" for their pre-school education and antenatal care is also provided by the anganwadi. Lack of infrastructure in anganwadi may be imperative issue for the health of children, pregnant woman and working staff also. Literature reviewed reveals that some of the fungi are responsible for causing health issues in human beings. Raw material used for constructing anganwadi may perhaps be appropriate for the growth of microorganisms. The present aeromycological investigation was conducted to find out the annual percent frequency and contribution of aeromycoflora from July 2014 to June 2015. The gravity petriplate method was used to execute the study. During the study period 25 fungal species, 300 fungal colonies and 15 genera were observed in indoor environment of anganwadi. Aspergillus, Cladosporium and Penicillium were dominant fungal species and Deuteromycotina reported as a dominant fungal group of that particular area.

Keywords: Imperative, Fungi, Courtyard, Anganwadi, Gariyaband, Chhattisgarh.