

DETERMINATION OF ANTIFUNGAL ACTIVITIES OF LEMON GRASS OIL ON MUCOSAL MICROORGANISM *CRYPTOCOCCUS NEOFORMANS*

Mishra R.P., Rathore Jaideo* and Rajput D.S.

*Department of Post-graduate Studies and Research in Biological Sciences, Rani Durgavati University, Jabalpur, Madhya Pradesh, India.
Email: jaideo.rathore@rediffmail.com*

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Abstract: The aim of the study to know the antifungal effect of lemongrass oil on mucosal microorganism *Cryptococcus neoformans*. The disc diffusion technique used for the *Cryptococcus neoformans* was carried out at different concentration of lemongrass oil as neat, 25%, 50%, 75%. The disc diffusion test for the *Cryptococcus neoformans* showed the inhibition zone of 22mm>20mm>15mm>12mm at the concentration of neat, 25%, 50%, 75%. The study has demonstrated that the essential oil of Lemongrass oil has significant antimicrobial potential against mucosal microorganism *Cryptococcus neoformans*.

Keywords: Essential oil, Antimicrobial activity, Mucosal microorganism

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*Corresponding Author

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