



**RESEARCH ARTICLE :**

## Antimicrobial activities of important mushrooms against *Alternaria solani*

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**SUMMARY :** Antimicrobial study was carried out by poisoned food technique against the pathogens by using the methanol, acetone and water extracts. The methanol, acetone and water extracts of mushroom species namely *G. lucidum*, *G. sapidum*, *P. florida*, *Russula* sp., *Boletus edulis* and combination of *Russula* sp. with *Curcuma caesia* showed well per cent growth inhibition against *Alternaria solani* except in *Agaricusbisporus* which showed zero per cent growth inhibition in all 5 per cent, 10 per cent, 20 per cent and 40 per cent concentrations, respectively. *G.lucidum*, *Boletus edulis* and combination of *Russula* sp. with *Curcuma caesia* are the most promising species as antimicrobial agents.

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**KEY WORDS :**

Antimicrobial activities, *Alternaria solani*, Mushroom extracts, Poisoned food technique, Fruiting bodies

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