

# Antibacterial and Antioxidant Study of *Zingiber Officinale*

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**Abstract:** Ethanol, chloroform, carbon tetrachloride methanol, and hexane extracts from and root of *Zingiber officinale* were investigated for their in vitro antimicrobial properties. a disk-diffusion and minimal inhibition concentration (MIC) method . All extract of *Zingiber officinale* (Bel) were different in terms of their antibacterial activities. The ethanol act showed a stronger and broader spectrum of antibacterial activity, study was also carried out to evaluate the in-vitro antioxidant activities of ethanol ,chloroform and carbon tetrachloride extract of *Zingiber officinale* species namely This was achieved by screening the two plant extracts at varying concentrations (10-50ig/ml)using DPPH radical scavenging activity. The results were analyzed statistically which showed that ethanol extract *Zingiber officinale* has more antioxidant activity than standard antioxidant.

**Keywords:** plant, Antioxidant activity, Antibacterial activity, DPPH Test

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