

Abstract

The current study's objective was to evaluate the antibacterial property of *Ricinus communis L.* against variety of pathogenic bacteria. Different solvents were used to extract the dry seeds of *Ricinus communis L.*, and their antioxidant activity was evaluated against ABTS. The study's objectives are to evaluate the antibacterial and antioxidant activity of extracts and to identify the zone of inhibition of particular bacteria. In the current investigation, the potential antibacterial activity of hydro alcohol extracts of *Ricinus communis L* seed was assessed against medically significant bacterial strains. Using the well diffusion method, the antibacterial activity was identified. Zones of inhibition were compared to a standard, such as penicillin. The findings indicated that the organisms displayed a great decrease of bacterial growth. GC-MS was used to analyse the plants' phytochemical composition.