**ABSTRACT**

Methanolic extract of the fruits of Ziziphus jujuba Mill was obtained by hot soxhlet extraction. The extract was subjected to phytochemical analysis and it was found to have alkaloids, carbohydrates, tannins, saponins, phytosterols and flavonoids. The extract was further subjected to silica gel column chromatography and elution was carried out using solvents like ethyl acetate and methanol in arious proportions and also to preparative TLC to enlite phytoconstituents. One saponin was isolated and the structure was characterized and confirmed by IR, 1H NMR, C13 NMR and Mass spectral data as 3- O-α-L-rhamnopyranosyl-(1→6)-β-D-glucopyranosyljujubogenin-20-O-(2,3,4-Otriacetyl)- α-L- hamnopyranoside. The crude extract and the isolated saponin were evaluated for anti-ulcer activity by Pylorus ligation method. It was found that both have significant activity.

**Key words:** Ziziphus jujuba Mill, Saponin, Anti-ulcer activity, Pylorus ligation, Phytochemical.