**ABSTRACT**

Ethanobotanical and traditional uses of plant Cissus quadrangularis has initiated the phytochemical investigation of the plant. The stem of the plant was subjected for successive solvent extraction with petroleum ether, ethyl acetate, chloroform and ethanol. The crude extract were column choromatographed. Among 20 constituents isolated ascorbic acid, quercetin, phytol and luteol were identified. Later those phytochemicals were subjected for molecular docking in Autodock 4.2 to examine their pharmacological activity. The results obtained showed that these compounds can be further carry over for in vivo analysis.