**TOTAL PHENOLIC CONTENT, IN VITRO RADICAL SCAVENGING AND ANTIMICROBIAL ACTIVITIES OF WHOLE PLANT RUMEX HASTATUS**

**ABSTRACT**: The importance of biological screening of plants has increased due to their greater therapeutic potential. The objective of the present study is to expose the antioxidant and antibacterial potential of the plant, Rumex hastatus. Antioxidant activity of different solvent fractions (n-hexane, ethyl acetate, chloroform, butanol and aqueous) was evaluated with different assays such as 2,2'-azino-bis(3-ethylbenzothiazoline-6-sulphonic acid) (ABTS), 1,1-diphenyl -2-picrylhydrazyl (DPPH) and Folin–Ciocalteu (FC). The 50% inhibitory concentration determined by DPPH and ABTS assays ranged from 26.28-233.73 µg and 6.7-78.75 µg respectively. The total phenolic contents were 122.87-637.00 mg GAE/g extract. In vitro antimicrobial activity of R. hastatus was evaluated by the standard Disc diffusion method. All of its fractions showed antibacterial activity against Gram positive and Gram negative bacteria. Among the different fractions tested, ethyl acetate fraction was the most potent showing inhibition zones of 15 mm and 7.6 mm against Staphylococcus aureus and E.coli respectively.