**Abstract**

Ampelocissus latifolia is climber belonging to the family Vitaceae and found throughout the India.Traditionally the plant has high medicinal value and used for indigenous treatment of numerousdiseases including bone fracture, dysentery, dental problems, stomach pain, body weakness, bodystrengthening etc. In present study freshly collected fruit and stem of Ampelocissus latifolia (Roxb.)were subjected to preliminary phytochemical and antifungal study. Different concentrations (10, 20,30, 40, 50μg/μl) of each extract were studied in the Enzyme Linked Immuno Sorbent Assay toquantify the proteins. Stem and fruit powder was examined by Fourier Transform Infra-Red Spectroscopy to recognize the functional groups. A wide range of phytochemical constituents have been isolated from this plant. A comprehensive account of phytochemical constituents and its antifungal activity reported are also included in this paper for exploring the immense medicinal

potential of this plant.