

A Preliminary Study On The Phytochemical, Antioxidant and Antimicrobial Activity of Ethanolic Extract of *Solanum torvum*

Gomathy G^{1*}

¹Department of Biochemistry, Valliammal College for Women

*Corresponding author e.mail: m.gomathy87@Yahoo.Com

From National Conference on Interdisciplinary Research and Innovations in Biosciences, NATCON -2018. Post Graduate & Research Department of Biochemistry, Mohamed Sathak College of Arts & Science, Sholinganallur, Chennai-600119, India. 24th & 25th January 2018.

American J of Bio-pharm Biochem and Life Sci 2018 January, Vol. 4 (Suppl 1): OP71

ABSTRACT

This study investigated the phytochemical, antioxidant and antimicrobial efficacy of ethanolic extract of the leaf of *Solanum torvum*. The phytochemical analysis of plant extract revealed the presence of tannins, saponins, flavonoids, alkaloids, steroids. The antioxidant activity was studied by DPPH and FRAP assay. The antimicrobial activity was determined by using disc diffusion method against 5 bacterial and 3 fungal species. The present study revealed that the ethanolic leaf extract of the plant has bioactive compounds which may be responsible for antioxidant activity and antimicrobial activity. Further studies may be carried out to study the anticancer property of the plant.