



Assessment of Bioactive Compounds, Antioxidative Activity and Quantification of Phenols through HPLC in *Solanum* Species

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ABSTRACT *Solanum torvum*, *Solanum aethiopicum* and *Solanum macrocarpon* are the popular vegetables of North Eastern India. This study was carried out to evaluate the bioactive properties, antioxidant activity and different phenolic compounds in these *Solanum* species. Sample extract in eighty percent methanol was used for total phenol, flavonols, flavonoid, antioxidant assays and various phenols quantification. All three species were rich in phytochemical content and having the good antioxidant capacity. HPLC fingerprinting for different phenolics compound confirmed that all the three species are having ample amount of phenolics content. The findings of present investigation highlighted the nutraceutical importance of lesser known though very important vegetables and also points towards the need to promote increased consumption and conserve genetic resources of *Solanum* species.