

## **Phytochemical Constituents and Antimicrobial Studies of the Exotic Plant Species, *Croton bonplandianum* Baill**

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**ABSTRACT** Plants are the rich sources of many natural products. The leaves of the exotic plant species, *Croton bonplandianum* are highly medicinal and used for controlling high blood pressure, and for the treatment of skin diseases and cuts and wounds, because of the presence of active principle, rutin. In the present study, leaf extracts of *Croton bonplandianum* were screened phytochemically to know the presence of secondary metabolites and for the antimicrobial properties. The results of the study revealed the presence of alkaloids, flavanoids, saponins, steroids, resins and phenols. The methanol extracts of the leaf showed effective inhibition against the fungi and bacteria studied. Therefore the leaves of *Croton bonplandianum*, can be considered to be the promising source of antimicrobial compounds.