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Effect of vermicompost, vermicompost extract and vermiwash on growth, yield and antimicrobial activity of *Andrographis paniculata*

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ABSTRACT

Andrographis paniculata is an important medicinal herb used to treat various diseases in human beings. The objective of the present study was to investigate the effect of vermicompost and its related products on growth, yield and antimicrobial activity of *A. paniculata*. The experiment was conducted in a completely randomized block design (CRBD) with six treatments using different combinations of vermicompost (VC), vermicompost extract (VCE), vermiwash (VW), recommended dose of fertilizer (RDF) and one control. The present study clearly revealed that the combined application of VC, VCE and VW significantly improves the growth, yield and antimicrobial activity of *A. paniculata* than RDF.

Keywords: Vermicompost, vermicompost extract, vermiwash, antimicrobial activity, *A. paniculata*.
