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Isolation, structural elucidation, and bioactivity studies of leaf extract of *Vernonia amygdalina*

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Vernonia amygdalina (VA) is a tropical African plant of the Asteraceae family and is occasionally cultivated for its medicinal uses, which include as a treatment for diarrhea, skin wounds, fever mastitis and warms infection. The aim of this study is to isolate and elucidate the structure of some of the chemical constituents from the leaf of *Vernonia amygdalina* and its bioactivities. Methanol extract of *Vernonia amygdalina*, after repeated chromatography led to the isolation of a different compound, one of this compound (MM-4) is partially characterized based on the spectral data (IR, ¹H NMR, ¹³C NMR, and DEPT) and Extracts from *Vernonia amygdalina* have been shown to have antimicrobial activity.

Key words: - *Vernonia amygdalina*, Asteraceae

Biography

Muluye Melak Zenebe has completed his MSc at the age of 25 years from University of Gondar and now he is a PhD candidate at Taiwan international graduate program (TIGP), Taipei. He has published two papers in reputed journals.

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