

Title: Isolation, structural elucidation, and bioactivity studies of leaf extract of Vernonia Amygdalina

Name: Muluye Melak Zenebe

University of Gondar, College of Natural Sciences, P.O.Box 196, Ethiopia

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, ^{1}H NMR, ^{13}C 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.

Presenting author details
Full name: Muluye Melak Zenebe
Contact number: +886905172642
Linked In account: Muluye Melak

Category: (**Poster presentation**)