

# 15<sup>TH</sup> ASIA-PACIFIC PHARMA CONGRESS

July 18-20, 2018 Melbourne, Australia

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

Muluye Melak Zenebe

Taiwan International Graduate program, Taiwan

*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 worms 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, <sup>1</sup>H NMR, <sup>13</sup>C NMR, and DEPT) and Extracts from *Vernonia amygdalina* have been shown to have antimicrobial activity.

muluchem@gmail.com

Notes: