

Workshop 1
Abstracts
IMPORTANT PLANT AREAS (SCIENTIFIC RESEARCH)

SPOKEN
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PHYTOCHEMISTRY OF RICCIA NIGERICA JONES

The Phytochemical composition of *Riccia nigerica* Jones have been studied. Fresh plants of *Riccia nigerica* were extrated using acetone. Fractions were obtained through column chromatography. The absorbance spectra of the five fractions of the extracts showed a fluctuation from 0 to 1.18 at 400 to 950 wavelength. The anti-microbial activities of the crude extracts were tested against some selected species of bacteria and fungi, thus the test extract was found to have significant inhibitory effect (>17mm) as indicated by zones of inhibition on *Bacillus substilis*, *Pseudomonas aeruginosa*, *Staphylococcus aureus*, *Shigella dysenterae*, *Aspergillus niger*, *Aspergillus flavus* and *Rhizopus* sp. The results of the phytochemical study outlined in this work has shown that the extract of *Riccia nigerica* exhibited a remarkable inhibitory effect on test organisms both bacteria and fungi.

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