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Evaluation of biological activities, isolation and identification of active compounds from selected plants from Kwazulu-Natal, South Africa

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Bioassay guided study involving anti-inflammatory studies measurements of LOX activity effected by a reaction medium containing 15-LOX, linoleic acid in buffer at pH 9 for 30 to 90 seconds after adding plant extract/fraction, free radical scavenging capacity against the ABTS⁺ radical cation and DPPH[•] radicals, antimicrobial and bioautography assays against *Staphylococcus aureus*, ATCC 29213, *Pseudomonas aeruginosa*, ATCC 27853, *Enterococcus faecalis*, ATCC 29212, *Escherichia coli*, ATCC 25922, *Candida albicans* and *A. fumigatus* were carried out on the plants extracts, fractions and pure compounds. Isolation of compounds displaying biological activity was characterized by use of spectroscopic techniques.

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