

FLAVONOIDS FROM *ERYTHRINA*
BURTTII
AND *ERYTHRINA SACLEUXII*

Abiy Yenesew¹, Jacob O. Midiwo¹, Salome M. Guchu¹,
Matthias Heydenreich², and Martin G. Peter²

¹Department of Chemistry, University of Nairobi, P. O. Box
30197, Nairobi, Kenya;

²Institut für Organische Chemie und Strukturanalytik,
Universität Potsdam, Am Neuen Palais 10, D-14469
Potsdam, Germany

The root and stem bark of *Erythrina* species are widely used in traditional medicine for the treatment of microbial infections. In our interest on the phytochemistry of *Erythrina* species of Kenya, we have isolated several flavonoids, including new flavanones (eg. 1) and isoflav-3-enes (eg 2) from *Erythrina burttii*; isoflavones (eg. 3) and isoflavanones (eg. 4) from *Erythrina sacleuxii*. Some of these compounds show antibacterial, anti-fungal, anti-malarial and anti-oxidant activities. The structure elucidation and biological activities of some of these compounds will be discussed.

