

This paper presents notes on new records and the taxonomy of 12 vascular plant species from several continental African countries and Madagascar. *Datura wrightii* (Solanaceae) is a new species for Africa reported from Morocco. *Amaranthus muricatus* (Amaranthaceae) is reported for the first time in Tunisia, *Barleria oenotheroides* (Acanthaceae) – from Central African Republic and Senegal, *Burkea africana* (Fabaceae) – from Guinea-Bissau, *Caylusea abyssinica* (Resedaceae) – from Zambia, *Digitaria ciliaris* (Poaceae) – from Morocco. New data on distribution in Africa is provided for *Camptorrhiza strumosa* (Colchicaceae) and four Resedaceae taxa: *Caylusea hexagyna*, *Ochradenus baccatus*, *Reseda arabica* and *Reseda villosa*. The taxonomy of the enigmatic Madagascan endemic *Mollugo caespitosa* (Molluginaceae) is reviewed, and it is synonymized with *Mollugo decandra*. The lectotypes are designated for both *Mollugo* species.