

## ABSTRACT

Thesis Title : Colouring Matters from the Leaves of *Terminalia catappa* Linn. and their Applications in Textile Dyeing

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A chemical examination of the leaves of *Terminalia catappa* Linn. (Combretaceae) has led to the isolation and characterization of three known yellow-coloured hydrolysable tannins named corilagin (compound A), terflavin A (compound C) and punicalagin (compound D), together with a structurally unknown tannin (compound B).

All of these compounds, characterized by their dyeing and washing tests, compared favourably with other colouring matters and could be used successfully for dyeing protein and polyamide fibers with a suitable colour yield and washing fastness property.

Furthermore, the hydrolysable tannins isolated from this plant have also been found to adhere to those substrates with a similar greenish yellow shade.