

## SUMMARY

This report is presented in four parts.

Part 1 describes a chemical investigation of bark extractives of four Dipterocarp species which led to the isolation of a new polyphenol balanocarpol from Balanocarpus zeylanicus and Hopea jucunda, another new resveratrol trimer, canaliculatol and vaticaffinol from Stemonoporus canaliculatus and balanocarpol and vaticaffinol from Hopea cordifolia. Structure of vaticaffinol has been revised. Anti-fungal activities of balanocarpol, canaliculatol and vaticaffinol are mentioned.

Part 2 deals with some HPLC analysis carried out on the Dipterocarp species Hopea cordifolia, H. jucunda and Stemonoporus canaliculatus.

Part 3 of this report describes the isolation of xanthochymol, isoxanthochymol, trimethyl citrate and dimethyl citrate from the bark extractives of an unidentified Garcinia species.

Part 4 describes the work on several Sri Lankan plants for their saponin content.