[*Phytochemistry*, **48**, 1423-1427 (1998)] [Lab. of Pharmacognosy]

Dimeric Chalcone Derivatives from *Mallotus philippensis.*

Toshiyuki TANAKA,* Tetsuro ITO, Munekazu IINUMA, Yoshikazu TAKAHASHI and Hiroshi NAGANAWA

Two new chalcone derivatives with a unique ring system caused by dimerization between a dimethyl chromene ring and a phenoxy group, were isolated from kamala. The structures were determined by spctral analysis including 2D NMR and NOE experiments.

[*Phytochemistry*, **48**, 1241-1243 (1998)] [Lab. of Pharmacognosy]

A Resveratrol Dimer from *Parthenocissus tricuspidata.*

Toshiyuki TANAKA,* Masayoshi Ohyama, Kuniyasu MORIMOTO, Fujio ASAI and Munekazu IINUMA

From the stem wood of *Parthenocissus tricuspidata*, four stilbene derivatives were isolated. These structures were characterized as resveratrol, viniferin and pallidol, and a new resveratrol dimer was confirmed to be a stereochemical isomer of ampelopsin F, named isoampelopsin F, by spectroscopic analysis including 2D NMR.

[*Phytochemistry*, **48**, 1187-1193 (1998)] [Lab. of Pharmacognosy]

Isoflavonoids from *Sophora secundiflora*, *S. arizonica* and *S. gypsophila.*

Toshiyuki TANAKA,* Masayoshi OHYAMA, Munekazu IINUMA, Yoshiaki SHIRATAKI, Manki KOMATSU and Charles L. BURAND

Eight new isoflavonoids, secundiflorols G-I and arizonicanols A-E, were isolated from the stem of *Sophora secundiflora* and the root of *S. arizonia* and *S. gypsophila* and the structure were determined by spectral analysis. The similarity of flavonoids occurrence was found in the three species. From the chemosystematic standpoint, the subgenus *Styphnolobium* seems to composed of two chemical type.

[*Phytochemistry*, **49**, 229-232 (1998)] [Lab. of Pharmacognosy]

Phenolic Compounds from *Peperomia obtusifolia.*

Toshiyuki TANAKA,* Fujio ASAI and Munekazu IINUMA

From the aerial parts of *Peperomia obtusifolia*, five phenolic compunds bearing a methyl, an isoprenyl and a geranyl group on a benzene ring core have been isolated. The structures were determined by the spectroscopic analysis including 2D NMR techniques and synthesis.