

XIII. BIBLIOGRAPHY

(continued from page 228)

*Books have been marked with an asterisk; @ = CD-ROM.

BRYOPHYTES

- AKIYAMA, H., T. YAMAGUCHI & M. MOHAMED. 1999. A new variety of *Polytrichadelphus archboldii* Bartr. (Polytrichaceae Musci) from Mt. Kinabalu, Sabah. Acta Phytotax. Geobot. 49: 135–141, illus.
- ARTS, T. 1998. A revision of the moss genus *Gymnostomiella* Fleisch. J. Bryol. 20: 411–427, illus. — 6 taxa, 1 comb nov; key; synonymy, descriptions, notes.
- *BATES, J.W., N.W. ASHTON & J.G. DUCKETT (Eds.). 1998. *Bryology for the twenty-first century*. xii, 382 pp, illus. British Bryological Society, ISBN 0-901286-90-7. Proceedings of the Centenary Symposium, Glasgow, U.K., 5–7 August 1996.
- BISCHLER, H. 1998. *Systematics and evolution of the genera of the Marchantiales*. Bryoph. Bibl. 51: 1–201, illus. — Phylogenetics; descriptions, analyses.
- COX, C.J. & T.A.J. HEDDERSON. 1998. *Phylogenetic relationships among the ciliate arthrodonous mosses: evidence from chloroplast and nuclear DNA sequences*. Pl. Syst. Evol. 215: 119–139, illus. — Monophyly of clades with Splachninae, Orthotrichinae, and diplolepideous alternate suborders and with Splachninae, Meesiaceae, and Leptobryum supported; splachnaceous and orthotrichaceous peristomes polytopic.
- DUCKETT, J.G., A.M. SCHMID & R. LIFRONE. 1998. *Protonemal morphogenesis*. In: J.W. Bates, N.W. Ashton & J.G. Duckett (Eds.), *Bryology 21st Cent.*: 223–246, illus.
- EAKIN, D.A. 1998. A taxonomic revision of the moss genus *Regmatodon*. Nova Hedw. 67: 139–152, illus. — Regmatodontaceae supported; 2 spp; descriptions, key, notes.
- ELLIS, L.T. & B.C. TAN. 1999. *The moss family Calymperaceae (Musci) in the Philippines*. Bull. Nat. Hist. Mus. London, Bot. 29: 1–46, illus. — 4 gen, 46 spp; 1 new comb; keys; synonymy, descriptions, notes; specimens under taxa.
- ENGEL, J.J. 1999. *Studies on Geocalycaceae (Hepaticae). XI. Supraspecific new taxa and new combinations in Chiloscypus Corda for Australasia*. Novon 9: 22–24.
- FRAHM, J.-P. 1999. A type catalogue of *Campylopodioideae* and *Paraleucobryoideae* (Musci, Dicranaceae), Part II, *Campylopus*. Trop. Bryol. 16: 17–102.
- GOFFINET, B., R.J. BAYER & D.H. VITT. 1998. *Circumscription and phylogeny of the Orthotrichales (Bryopsida) inferred from rbcL sequence analyses*. Amer. J. Bot. 85: 1324–1337, illus.
- GOFFINET, B. & D.H. VITT. 1998. *Revised generic classification of the Orthotricheae based on a molecular phylogeny and comparative morphology*. In: J.W. Bates, N.W. Ashton & J.G. Duckett (Eds.), *Bryology 21st Cent.*: 143–159, illus. — 2 subfam, 4 tribes, 2 new gen; generic key.

- GROLLE, R. 1998. *The gender of Mnioloma Herzog and Plagiochilion S. Hatt. (Hepaticae)*. J. Bryol. 20: 497–500. — Both neuter.
- GROLLE, R. & E. REINER-DREHWALD. 1999. *Review of the genus Harpalejeunea (Lejeuneaceae) including the description of H. grandis, a new species from the páramos of Colombia*. J. Bryol. 21: 31–45, illus. — 1 new subgen, 8 new comb; most species removed to other genera; indices.
- GROLLE, R. & M.L. SO. 1999. *Studies of Plagiochila sect. Subtropicae in Asia*. Bryologist 102: 67–75, illus. — Key to 9 spp, 1 new; synonymy, notes.
- GROLLE, R. & M.L. SO. 1999. *Studies on Plagiochila sect. Tayloriae in Asia*. Bryologist 102: 287–293, illus. — 7 spp, 3 Malesian; key; synonymy, descriptions, notes.
- GROLLE, R. & M.L. SO. 1999. *Studies on Plagiochila sect. Contiguae in East and South Asia*. Bryologist 102: 294–303, illus. — 14 spp, 7 Malesian; key; synonymy, notes, some descriptions.
- HE, X.-L. 1999. *A taxonomic monograph of the genus Pycnolejeunea (Lejeuneaceae, Hepaticae)*. Acta Bot. Fenn. 163: 1–77, illus. — 2 subgen (1 new), 2 sect (new), 9 spp, 1 comb nov; history, morphology, ecology; key; synonymy, descriptions, notes, selected specimens under taxa.
- HEDENÄS, L. 1998. *Cladistic studies on pleurocarpous mosses: research needs, and use of results*. In: J.W. Bates, N.W. Ashton & J.G. Duckett (Eds.), Bryology 21st Cent.: 125–141, illus. — Outline of a working approach.
- HOFMANN, H. 1998. *A monograph of the genus Homalothecium (Brachytheciaceae, Musci)*. Lindbergia 23: 119–159, illus. — 10 taxa, 1 new subsp, 1 new comb; key; synonymy, descriptions, notes; representative collections under taxa.
- HYVÖNEN, J., T.A. HEDDERSON, G.L. SMITH MERRILL, J.G. GIBBINS & R.E. INGHAM. 1998. *On phylogeny of the Polytrichales*. Bryologist 101: 489–504, illus. — Data from morphology, rbcL, rps4, 18S rRNA for 22 (!) spp; monophyletic, Oedipodium sister group.
- IGNATOV, M., H. ROBINSON & E.A. IGNATOVA. 1998. *Studies on the exostome of Brachytheciaceae (Musci)*. Arctoa 7: 153–188, illus. — Camptothecium, Platyhypnidium, Steerecleus, Eurhynchiella distinct.
- JOVET-AST, S. & D. LAMY. 1999. *Pierre Tixier (1918–1997)*. Cryptogamie, Bryol. 20: 215–225. — Biography, bibliography; collections in PC.
- LEWINSKY-HAAPASAARI, J. & L. HEDENÄS. 1998. *A cladistic analysis of the moss genus Orthotrichum*. Bryologist 101: 519–555, illus. — 'New' phylogeny; 8 informal subgroups.
- LONG, D.G. 1998. *Spore colour and ornamentation in the taxonomy of Asterella (Marchanthiales, Aytoniaceae)*. In: J.W. Bates, N.W. Ashton & J.G. Duckett (Eds.), Bryology 21st Cent.: 99–112, illus.

- LÓPEZ-SÁEZ, J.A., M.J. PÉREZ-ALONSO & A.V. NEGUERUELA. 1996. *Flavonoides en musgos: consideraciones quimiosistémáticas*. Bot. Complut. 21: 9–38, illus. — Mosses closely related to vascular plants according to flavonoid composition.
- LÓPEZ-SÁEZ, J.A., M.J. PÉREZ-ALONSO & A.V. NEGUERUELA. 1996. *Contribution to the phylogeny of Philonotis Brid. (Bartramiaceae Schwaegr.): flavonoids of sections Catenularia (C. Müll.) Par. and Euphilonotis Limpr.* Bot. Complut. 21: 51–58, illus. — In the genus Euphilonotis least evolved, Catenularia most.
- MÜLLER, F. & A. SCHÄFER-VERWIMP. 1999. *New bryophyte taxon records for tropical countries III*. Trop. Bryol. 16: 195–201. — *Campylopus japonicus* new for Malesia; *Chenia leptophylla*, *Diplophyllum nanum*, *Enthostedon buseanus*, *Schoenobryum concavifolium* new generic records for Peninsular Malaysia; *Cephalozia hamatiloba*, *Colura inflata*, *Heteroscyphus wettsteinii*, *Lophocolea muricata*, *Plagiochila sandei*, *Plagiomnium elimbatum* new spp for Peninsular Malaysia.
- MUÑOZ, J. 1998. *A taxonomic revision of Grimmia subgenus Orthogrimmia (Musci, Grimmiaceae)*. Ann. Missouri Bot. Gard. 85: 367–403, illus. — Survey of divisions of *Grimmia*; keys; 2 sect, 9 spp (1 Malesian?); synonymy, descriptions.
- NATH, V. & A.K. ASTHANA. 1998. *Diversity and distribution of genus Frullania Raddi in South India*. J. Hattori Bot. Lab. 85: 63–82, illus. — Title misleading as Andaman Islands are considered to be 'S India'; politically correct, but botanically they are S Birmese/Thai; this misconception causes misidentification of Andaman taxa through comparison with Indian, not SE Asian literature; likewise the Nicobars are not Indian but W Malesian.
- OCHYRA, R. 1998. *The identities of two Indian species of Hygroamblystegium (Musci, Amblystegiaceae)*. Fragm. Flor. Geobot. 43: 273–278, illus. — One is *Pseudoleskeopsis zippellii*.
- OCHYRA, R. 1998. *The two oldest recognitions of Campylium polygamum (Musci, Amblystegiaceae)*. Fragm. Flor. Geobot. 43: 279–283, illus.
- POTEMKIN, A.D. 1998. *On the origin, evolution and classification of the genus Scapania (Dum.) Dum. (Hepaticae)*. J. Hattori Bot. Lab. 85: 33–61, illus. — 2 new sect.
- REESE, W.D. 1998. *Architecture, anatomy, and functional morphology of the pseudopetiolate species of Calymperes and Syrrhopodon (Musci, Calymperaceae)*. Bryologist 101: 594–599, illus.
- SACK, F.D., T.A. WAGNER & V.D. KERN. 1998. *Gravitropism in moss protonemata*. In: J.W. Bates, N.W. Ashton & J.G. Duckett (Eds.), *Bryology 21st Cent.*: 247–260, illus. — Apical cells with negative gravitropism based on a single mutation.
- SCHUSTER, R.M. 1999. *Studies on Hepaticae, LXV. Lepidoziaceae subf. Zoopsidoideae 2: Zoopsis*. Nova Hedw. 68: 1–63, illus. — 3 subgen, 3 sect, 8 spp, 1 new ('*crophylla*', *sphalma* for *macrophylla*!), 1 new var; keys.
- SLOOVER, J.L. DE. 1999. *Maurice Onraedt (1904–1998). Biographie sommaire et liste des publications bryologiques de Maurice Onraedt*. Cryptogamie, Bryol. 20: 213–214.

- SO, M.L. & R. GROLLE. 1999. *Studies on Plagiochila in Asia: supplements to sections Abietinae, Annotinae, Ciliatae, Contiguae, Cucullatae, Poeltiae, Sutropicae and Zonatae*. Cryptogamie, Bryol. 20: 167–179. — Reduction of 27 names.
- SPAGNUOLO, V., P. CAPUTO, S. COZZOLINO, R. CASTALDO & P. DE LUCA. 1999. *Patterns of relationships in Trichostomoideae (Pottiaceae, Musci)*. Pl. Syst. Evol. 216: 69–79, illus. — Result of study of rDNA sequences not in agreement with present taxonomy.
- SZWEYKOWSKI, J. & K. BUCZKOWSKA. 1998. *The rhizoid-initial field – a valuable taxonomic character in species of the genus Calypogeia Raddi (Hepaticae, Jungermanniales)*. Nova Hedw. 67: 23–43, illus. — Based on C European spp.
- TAN, B.C. & T. NINH. 1998. *New records for Thailand and Vietnam moss floras*. Acta Bot. Yunn. 20: 271–275. — Some also Malesian; 1 new comb in Mastopoma for Acanthocladium scabrifolium.
- TAN, B.C., W.B. SCHOFIELD & H. RAMSAY. 1998. *Miscellanies of Australian Sematophyllaceae with a new genus, Meiotheciella*. Nova Hedw. 67: 213–223, illus. — Notes on e.g. Acroporium microcladum, Sematophyllum subhumile, S. saproxylophilum to Trichosteleum (incl. S. decipiens, Clastobryophilum serrulatum).
- TIAN, W. 1999. *New records of bryophytes from Hunan province*. Guihaia 19: 121–123 (In Chinese, Engl. summ.). — Some Malesian.
- TRAN, N. 1998. *Three mosses new to Vietnam*. Trop. Bryol. 15: 21–22. — Claopodium prionophyllum, Leucobryum microleucophanoides, Splachnobryum indicum.
- VANA, J. 1998. *Sphenolobopsis R.M. Schust. et N. Kitag. in Africa and Tristan da Cunha*. J. Bryol. 20: 521–522.
- VAUGH, K.C. & K.S. RENZAGLIA. 1998. *Origin of bicentrioles in Anthoderote spermatogenous cells*. In: J.W. Bates, N.W. Ashton & J.G. Duckett (Eds.), Bryology 21st Cent.: 189–203, illus.
- VIRTANEN, V. & T. KOPONEN. 1998. *Notes on Philonotis (Bartramiaceae, Musci)*. 2. *The status of Breutelia neocaledonica*. Crypt., Bryol. Lichénol. 19: 329–334, illus. — = Philonotis secunda; key to N.C. Philonotis; synonymy.
- VITT, D.H., B. GOFFINET & T. HEDDERSON. 1998. *The ordinal classification of the mosses: questions and answers for the 1990s*. In: J.W. Bates, N.W. Ashton & J.G. Duckett (Eds.), Bryology 21st Cent.: 113–123, illus. — 4 classes distinguished.
- WEIS, G. 1999. *Neue Untersuchungen zur Sporophytenmorphologie bei Lejeuneaceae und Jubulaceae (Hepaticae)*. Syst. Geogr. Pl. 68: 137–146, illus. — Sporophytes of Ptychanthoideae reminiscent of Frullania; capsules of Austrolejeunea similar to those of Cololejeuneoideae.
- ZHU, R.-L. & M.L. SO. 1998. *Notes on the taxonomy and distribution of Cololejeunea platyneura (Hepaticae, Lejeuneaceae)*. Ann. Bot. Fenn. 35: 229–232, illus. — Incl. C. astyla.

- ZHU, R.-L. & M.L. SO. 1998. *Reappraisal of Cololejeunea ceratiloba, C. formosana, and C. reineckeana (Hepaticae, Lejeuneaceae)*. Taxon 47: 839–842, illus. — *C. formosana* reduced to *C. ceratiloba*; redescription of *C. reineckeana*.
- ZHU, R.-L. & M.L. SO. 1998. *Tuyamaella serratistipa* S. Hatt. new to the Philippines, with a key to the genus *Tuyamaella* (Hepaticae, Lejeuneaceae). J. Bryol. 20: 455–460, illus. — Synonymy, description.
- ZHU, R.-L. & M.L. SO. 1999. *A note on Trachylejeunea chinensis (Hepaticae, Lejeuneaceae)*. Taxon 48: 489–492, illus. — = *Lejeunea*; *T. englishii* (New Guinea), *T. malangensis* (Borneo) also misplaced.
- ZHU, R.-L. & M.L. SO. 1999. *New records of Cololejeunea (Lejeuneaceae, Hepaticae) for China and Vietnam*. Bot. Bull. Acad. Sin. 40: 165–171, illus. — 2 Malesian.
- ZIJLSTRA, G. 1998. *Report of the Committee for Bryophyta: 4*. Taxon 47: 859–862. — Conservation of *Aongstroemia*, *Atractyllocarpus*, *Cinclidotus*, *Dicranella*, *Gollania*, *Homalia*, *Hyophila*, *Oligotrichum* recommended; that of *Aneura*, *Dicnemoloma*, *Garovaglia* not recommended; rejection of *Trichodon* recommended.
- ZIJLSTRA, G. (Ed.). 1999. *Report of the Committee for Bryophyta: 5*. Taxon 48: 563–565. — E.g. recommended conservation: *Rhynchostegiella* over *Remyella*; not recommended: conservation of *Dicranoloma* over *Megalostylium*.

PTERIDOPHYTES

- CARLQUIST, S. & E.L. SCHNEIDER. 1999. *SEM studies on vessels in ferns. 12. Marattiaceae, with comments on vessel patterns in eusporangiate ferns*. Amer. J. Bot. 86: 457–464, illus.
- CHURCHILL, H., R. TRYON & D.S. BARRINGTON. 1998. *Development of the sorus in tree ferns: Dicksoniaceae*. Canad. J. Bot. 76: 1245–1252, illus.
- GASTONY, G.J. & D.R. ROLLO. 1998. *Cheilanthoid ferns (Pteridaceae: Cheilanthesaceae) in the Southwestern United States and adjacent Mexico – A molecular phylogenetic reassessment of generic lines*. Aliso 17: 131–144, illus.
- HAMEED, C.A. & P.V. MADHUSOODANAN. 1998. *Meringium acanthoides (V.d. B.) Cope (Hymenophyllaceae) – a new record for South India*. J. Econ. Tax. Bot. 22: 465–467, illus. — Synonymy, description.
- HARTINI, S. & RUSPANDI. 1998. *Stenochlaena palustris (Burm.) Bedd. paku memanjat yang banyak manfaat*. Warta Kebun Raya 2/3: 17–28, illus. (In Indonesian, Engl. summ.). — Description, distribution, ecology, cultivation.
- HOVENKAMP, P.H. (Ed.). 1998. *Polypodiaceae*. Fl. Males. II, 3: 1–234, illus. — The validation of the family name is not by Berchtold & J. Presl (1820), but probably by Kaulfuss, Wesen Farrenkr. (1827) in clave (P.H. Hovenkamp & JFV).
- KATO, M. 1998. *Matoniaceae*. Fl. Males. II, 3: 289–294, illus.

- KATO, M. & H. SETOGUCHI. 1999. *An rbcL-based phylogeny and heteroblastic leaf morphology of Matoniaceae*. Syst. Bot. 23: 391–400, illus. — Genera monophyletic.
- KORALL, P., P. KENRICK & J.P. THERRIEN. 1999. *Phylogeny of Selaginellaceae: evaluation of generic/subgeneric relationships based on rbcL gene sequences*. Int. J. Pl. Sc. 160: 585–594, illus. — Monophyletic group; isophyllous spp polyphyletic.
- KUNDU, S.R. & M. PAL. 1998. *An autecological investigation of Pyrrosia adnascens (Sw.) Ching (Polypodiaceae) in Indian Botanic Garden, Howrah*. J. Econ. Tax. Bot. 22: 241–245, illus.
- LAFFERRIÈRE, J.E. 1998. *Cheiropleuriaceae*. Fl. Males. II, 3: 285–286, illus.
- LAFFERRIÈRE, J.E. 1998. *Equisetaceae*. Fl. Males. II, 3: 287–288, illus.
- LU, S.[G.] 1999. *A taxonomical study on the genus Dryopteris subgenus Erythrovariae from China*. Guihaia 19: 105–118 (In Chinese, Engl. summ.). — 3 sect (1 new), 2 series (1), 34 spp, 2 var; key; synonymy, distribution.
- MATSUMOTO, S., T. IWASHINA, K. SUGIMURA, T. HASHIMOTO & T. NAKAMURA. 1998. *A list of pteridophytes herbarium specimens from Vanuatu, collected in 1996 and 1997*. Ann. Tsukuba Bot. Gard. 17, Sp. Issue: 75–100.
- MCCARTHY, P.M. (Ed.). 1998. *Ferns, gymnosperms and allied groups*. Fl. Austr. 48: xxii, 766 pp, illus.
- MUKHOPADHYAY, R. 1998. *Cytotaxonomic observations on Selaginella Beauv*. Phytomorphology 48: 343–347, illus. — Species with $x = 9$ primitive.
- NOOTEBOOM, H.P. 1998. *Davalliaceae*. Fl. Males. II, 3: 235–276, illus.
- OHTA, N. & M. TAKAMIYA. 1999. *Taxonomic studies of the Diplazium mettenianum complex (Woodsiaceae; Pteridophyta) in Japan; morphology, cytology and taxonomy of plants with normal-shaped spores*. J. Pl. Res. 112: 67–86, illus. — 5 spp, 2 new, D. griffithii upheld.
- PARRIS, B.S. 1998. *Chrysogrammitis, a new genus of Grammitidaceae (Filicales)*. Kew Bull. 53: 909–918, illus. — 2 new comb; key; synonymy, descriptions, notes.
- PARRIS, B.S. 1998. *The addition of Acrosorus streptophyllus (Baker) Copel. (Grammitidaceae: Pteridophyta) to the Flora of Thailand*. Fern. Gaz. 15: 215–216.
- PHAN, K.L. 1998. *Some new records of ferns for the flora of Vietnam*. Tap Chi Sinh Hoc 20/3: 5–8 (In Vietnamese, Engl. summ.). — E.g. Acrosorus triangularis, Blechnum elongatum, Ctenopteris subfalcata, Scleroglossum minus, Sphenomeris biflorum, Teratophyllum clemensii, T. ludens.
- SAUNDERS, R.M.K. 1998. *Azollaceae*. Fl. Males. II, 3: 277–284, illus.
- SHI, L. & X.-C. ZHANG. 1999. *Taxonomy of the fern genus Leptochilus Kaulf. (Polypodiaceae)*. Acta Phytotax. Sin. 37: 145–152, illus. (In Chinese, Engl. summ.). — Colysis distinct; Dendroglossa, Myuropteris, Nistarika, Paraleptochilus reduced; key (also in English!); synonymy.

- STÜTZEL, T. & O. GALING. 1997 ('1995/1996'). *Blätter und Spreuschuppen bei Farnen. Unterschiede und Gemeinsamkeiten unter morphologischen und phylogenetischen Gesichtspunkten*. Beitr. Biol. Pfl. 69: 17–29, illus. (In German, Engl. summ.). — Ferns strictly follow the inhibition zone concept for lateral products of the stem.
- *WEE, C. Y. 1997. *Ferns of the tropics*. 190 pp, 208 colour pl, 14 fig. Times Editions Pte Ltd, Singapore. ISBN 981-204-793-X. GBP 15.97 (hardback), 9.95 (paperback). — E.g. 77 Malaysian spp; morphology, folklore & superstition, uses, propagation, cultivation (n.v.: review Pteridologist 3, 1999, 97).
- ZHANG, X.-C. & H.P. NOOTEBOOM. 1998. *Plagiogyriaceae*. Fl. Males. II, 3: 295–316, illus.
- ZHANG, X.-C. & H.P. NOOTEBOOM. 1998. *A taxonomic revision of Plagiogyriaceae (Pteridophyta)*. Blumea 43: 401–469, illus. — 1 gen, 11 spp, 4 var; morphology, spores by G.A. van Uffelen; key; synonymy, descriptions; list of collections.

SPERMATOPHYTES AND OTHER GENERAL SUBJECTS

- ACHARYA, A.H. & M. RADHAKRISHNAIAH. 1997. *Some observations on the chemotaxonomy of Euphorbia*. Acta Bot. Ind. 25: 219–222, illus. — Genus Chamaesyce supported (Euphorbiaceae).
- ADAM, J.H. 1998. *Reproductive biology of Bornean Nepenthes (Nepenthaceae) species*. J. Trop. For. Sc. 10: 456–471, illus. — Insect, not wind, pollinated.
- ADAMS, R.P., M. ZONG, Y. TURUSPEKOV, M.R. DAFFORN & J.F. VELDKAMP. 1998. *DNA fingerprints reveal clonal nature of Vetiveria zizanioides (L.) Nash, Gramineae, and sources of potential new germplasm*. Molec. Ecol. 7: 813–818.
- AEDO, C., F. MUÑOZ GARMENDIA & F. PANDO. 1998. *World checklist of Geranium L. (Geraniaceae)*. Anal. Jard. Bot. Madrid 56: 211–252, illus. — 3 subgen, 18 sect (key!), 420 spp, 2 nom nov.
- AHMED, M. & M.K. PASHA. 1998. *A taxonomic account of Luisia Gaud. (Orchidaceae) from Bangladesh*. J. Bombay Nat. Hist. Soc. 95: 301–306, illus. — 7 spp; key, notes.
- ALICE, L.A. & C.S. CAMPBELL. 1999. *Phylogeny of Rubus (Rosaceae) based on nuclear ribosomal DNA internal transcribed spacer region sequences*. Amer. J. Bot. 86: 81–97, illus.
- ALURI, R.J.S., K.R. DAS, J.B. ATLURI, C.S. REDDI & B. BAHADUR. 1997. *Sexual system and pollination in distylous Hugonia mystax L. (Linaceae)*. J. Palynol. 33: 185–202, illus.
- ANDERSSON, L. & J.H.E. ROVA. 1998. *The rps16 intron and the phylogeny of the Rubioideae (Rubiaceae)*. Pl. Syst. Evol. 214: 161–186, illus. — 143 in-group taxa, largely confirms data from rbcL sequences; first molecular data for c. 50 genera.
- ANDREASEN, K., B.G. BALDWIN & B. BREMER. 1999. *Phylogenetic utility of the nuclear rDNA ITS region in subfamily Ixoroideae (Rubiaceae): comparisons with cpDNA rbcL sequence data*. Pl. Syst. Evol. 217: 119–135, illus.

- ANDREWS, S. 1998. *Taxonomic notes on the Aquifoliaceae of Sabah and Sarawak*. Sandakan 11: 1–33, illus. — 15 new taxa; notes on some others, e.g. *Ilex havilandii*.
- ANGIOSPERM PHYLOGENY GROUP. 1998. *An ordinal classification for the families of flowering plants*. Ann. Missouri Bot. Gard. 85: 531–553, illus.
- *ARGENT, G., et 10 al. 1998?. *Manual of the larger and more important non-dipterocarp trees of Central Kalimantan, Indonesia*. Forest Research Institute, Samarinda, Indonesia. No ISBN or ISSN. 2 vols, xxvi + iii, 685, (20) pp, illus.; hardback. — Key to families by leaf types (but no key to these groups!); families alphabetically; keys to genera, species; diagnoses, many full-page plates (*Sarcotheca diversifolia* with very strange appendages to the branches); illustrated glossary, index; very useful field books!
- ARIYANTI, E.E. 1998. *Kunis kucing (Orthosiphon aristatus (Blume) Miq.) bahan obat tradisional*. Warta Kebun Raya 2/3: 34–38 (In Indonesian, Engl. summ.). — Description, uses (Labiatae).
- ASHALATHA, V.N. & V.J. NAIR. 1997 ('1993'). *Brachiaria Griseb. and Urochloa P. Beauv. (Poaceae) in India – a conspectus*. Bull. Bot. Surv. India 35: 27–31. — *Brachiaria* restricted to *B. eruciformis*; 12 new comb.
- ATWOOD, J.T. & J. BECKNER. 1998. *Ceratostylis incognita J.T. Atwood & J. Beckner, a new species from the Philippines*. Selbyana 19: 265–266, illus. — (Orchidaceae).
- AUSTIN, D.F. 1998. *Parallel and convergent evolution in the Convolvulaceae*. In: P. Mathew & M. Sivadasan (Eds.), *Diversity and taxonomy of tropical flowering plants*: 201–234, illus. — Homoplasies more rule than exception: 80.7% of characters with parallelisms, of these 47.7% exhibit convergencies; as usual in such discussions I miss a reference to N.I. Vavilov's seminal contributions on the subject [see Tax. Lit. 2, 6 (1986) 685–687, for many references, and Vavilov, *The law of homologous series in the inheritance of variability*. Chron. Bot. 13 (1949–1950) 55–94].
- AUSTIN, D.F. 1999. *The genus Aniseia (Convolvulaceae)*. Syst. Bot. 23: 411–420, illus. — 4 taxa, 1 Malesian; keys to genera and spp; synonymy, descriptions, notes; excluded taxa; representative specimens under taxa.
- BAKER, H.G., I. BAKER & S.A. HODGES. 1998. *Sugar composition of nectars and fruits consumed by birds and bats in the tropics and subtropics*. Biotropica 30: 559–586, illus. — 525 spp studied; correlations between sugar types and percentage and frugivore.
- BALACHANDRAN, N. 1998. *Addition of two genera Grangea Adans. and Enydra DC. (Asteraceae) to the flora of Andaman Islands, India*. J. Econ. Tax. Bot. 22: 413–414. — *Grangea maderaspatana*, *Enydra fluctuans*.
- BALLARD JR., H.E., K.J. SYTSMAN & R.R. KOWAL. 1999. *Shrinking the violets: phylogenetic relationships of infrageneric groups in Viola (Violaceae) based on internal transcribed DNA sequences*. Syst. Bot. 23: 439–458, illus. — Origin in Andes.
- BARKER, C. 1998. *A new combination in Margaritaria (Euphorbiaceae)*. Kew Bull. 53: 755–756.

- BARKER, N.P., et al. 1999. *Sequences of the grass-specific insert in the chloroplast rpoC2 gene elucidate generic relationships of the Arundinoideae (Poaceae)*. Syst. Bot. 23: 327–350, illus. — Arundineae not clearly defined, Danthonieae clear with several distinct groups; notes on e.g. *Arundo*, *Thysanolaena*.
- BARNEBY, R.C. 1998. *Silk tree, Guanacaste, Monkey's earring: a generic system for the syndrous Mimosaceae of the Americas. Part III. Calliandra*. Mem. N.Y. Bot. Gard. 74/3: 1–223, illus. — 168 taxa endemic to S America; regional keys; synonymy, descriptions; index to collections.
- BARROW, S.C. 1998. *A monograph of Phoenix L. (Palmae: Coryphoideae)*. Kew Bull. 53: 513–575, illus. — 14 taxa, 2 new; morphology, molecules, cladistics, history; key; synonymy, description, notes.
- BARTHOLOTT, W. & W. LOBIN (Eds.). 1998. *Amorphophallus titanum*. Trop. & Subtrop. Pflw. 99: 1–225, illus. — History, systematics, taxonomy, biogeography, floral morphology, anatomy, oecophysiology, ecology, reproductive biology, cultivation, conservation (Araceae).
- BASTMEIJER, J.D. & P. VAN WIJNGAARDEN. 1999. *Cryptocoryne coronata* Bastmeijer et van Wijngaarden spec. nov. (Araceae), eine neue Art von den Philippinen. Aqua-Planta 24: 23–28, illus. (In German, Engl. summ.).
- *BATES, D.M., R.W. ROBINSON & C. JEFFREY (Eds.). 1990. *Biology and utilization of the Cucurbitaceae*. xvii, 483 pp, illus. Comstock Publishing Associates, Division of Cornell University Press, Ithaca, London. — Updated results from Conferences held in August 1980: systematics and evolution, comparative morphology, sex expression, crop improvement and protection, outline classification of family.
- BAUM, D.A., W.S. ALVERSON & R. NYFFELER. 1998. *A durian by any other name: taxonomy and nomenclature of the core Malvales*. Harvard Pap. Bot. 3: 315–330, illus. — Phylogenetic nomenclature proposed in the hope that a Phylogenetic Code of Nomenclature (Phylocode) with registered names will be accepted sometime in the (far?) future.
- BAYER, C. 1998. *The bicolor unit – homology and transformation of an inflorescence structure unique to core Malvales*. Pl. Syst. Evol. 214: 187–198, illus. — Curious combination of units of one bracteole ('sterile bract') and 2 bracts; trimerous epicalyx derived from this.
- BAYER, C. 1998. *Synflorescences of Malvaceae*. Nordic J. Bot. 18: 335–338, illus.
- BAYER, C., et 7 al. 1999. *Support for an expanded family concept of Malvaceae within circumscribed order Malvales: a combined analysis of plastid atpB and rbcL DNA sequences*. Bot. J. Linn. Soc. 129: 267–303, illus. — Bombacaceae, Sterculiaceae, Tiliaceae reduced to Malvaceae!; Malvaceae s.l. with 9 subfam, e.g. Byttnerioideae, Grewioideae (incl. Tiliaceae maj. part.), Tilioideae, Helicterioideae (? incl. Durioneae), Sterculioideae, Brownlowioideae, Dombeyoideae (incl. Pterospermum, Schoutenia), Bombacoideae (excl. Durioneae), Malvoideae (perhaps still paraphyletic).

- BAYER, R.J. & J.R. STARR. 1998. *Tribal phylogeny of the Asteraceae based on two non-coding chloroplast sequences, the trnL intron and trnL/trnF intergenic spacer*. Ann. Missouri Bot. Gard. 85: 242–256, illus. — Confirmation of prior analyses.
- BEAMAN, J.H. & R.S. BEAMAN. 1999. *The plants of Mount Kinabalu. 3. Gymnosperms and non-orchid monocotyledons*. xii, 220 pp, illus. Natural History Publ. (Borneo) & The Royal Botanic Gardens, Kew. ISBN 983-812-026-X. — Annotated checklist of 34 fam, 426 spp; 1 new comb in *Pycneus*; beautiful photographs; index to collections.
- BECKPOT, C. 1997. *Aldrovanda vesiculosa: description, distribution, ecology and cultivation*. Carn. Pl. Newsl. 26: 73–82, illus. — The whole issue is dedicated to the species.
- BEHNKE, H.-D. 1998. *P-type sieve-element plastids present in members of the tribes Triplareae and Coccolobeae (Polygonaceae) renew the links between the Polygonales and the Caryophyllales*. Pl. Syst. Evol. 214: 15–27, illus.
- BERENDSON, W.G., et 8 al. 1999. *A comprehensive reference model for biological collections and surveys*. Taxon 48: 511–562, illus. — Valid for any biological collection; most comprehensive, but rather daunting in its complexity.
- BERNHARD, A. 1999. *Flower structure, development, and systematics in Passifloraceae and in Abatia (Flacourtiaceae)*. Intern. J. Pl. Sc. 160: 135–150, illus.
- BERNHARD, A. & P.K. ENDRESS. 1998. *Androecial development and systematics in Flacourtiaceae s.l.* Pl. Syst. Evol. 215: 141–155, illus. — Kiggelariaceae supported.
- BINOJKUMAR, M.S. & N.P. BALAKRISHNAN. 1997 ('1993'). *Notes on the identity and typification of Euphorbia hypericifolia L. (Euphorbiaceae) with special reference to India*. Bull. Bot. Surv. India 35: 73–76, illus.
- BLOCK, P. DE & E. ROBBRECHT. 1999. *Pollen morphology of the Pavetteae (Rubiaceae, Ixoroideae) and its taxonomic significance*. Grana 37: 260–275, illus. — 7 types; present infrageneric classification in *Pavetta* supported; *Tarenna* needs revision; *Ixoreae/Pavetteae* split supported.
- BOBROV, A.V.F.C., A.P. MELIKIAN & E.Y. YEMBATUROVA. 1999. *Seed morphology, anatomy and ultrastructure of Phyllocladus L.C. & A. Rich. ex (Phyllocladaceae (Pilg.) Bessey) in connection with the generic system and phylogeny*. Ann. Bot. 83: 601–618, illus. — 7 spp in 5 groups.
- BORBA, E.L. & J. SEMIR. 1999. *Temporal variation in pollinarium size after its removal in species of Bulbophyllum: a different mechanism preventing self-pollination in Orchidaceae*. Pl. Syst. Evol. 217: 197–204, illus. — Pollinarium swells up and won't fit the entrance of the stigmatic cavity.
- BORSCH, T. 1998. *Pollen types in the Amaranthaceae. Morphology and evolutionary significance*. Grana 37: 129–142, illus. — 2 subfam supported, but Schinz's (sub)-tribes largely polyphyletic.

- BOSSER, J. 1999. *A propos d'Anthocephalus A. Rich. et de Cephalanthus chinensis Lam. (Rubiaceae)*. Adansonia III, 21: 93–95 (In French, Engl. summ.). — *Cephalanthus chinensis* is a Madagascan species, *Cephalanthus* becomes a synonym; *Anthocephalus* auct. = *Neolamarckia*.
- BOYCE, P.C. & A. HAY. 1998. *Current advances in the taxonomy of Pothos*. In: H. Li et al., Acta Bot. Yunn., Suppl. 10: 43–47. — Growth patterns and inflorescence presentation.
- BRADFORD, J.C. 1998. *A cladistic analysis of species groups in Weinmannia (Cunoniaceae) based on morphology and inflorescence structure*. Ann. Missouri Bot. Gard. 85: 565–593, illus. — 28 of 150 spp studied; sect. Fasciculata only one paraphyletic; *Leiospermum* sister to all; dioecy originated thrice.
- *BRAEM, G.J., C.O. BAKER & M.L. BAKER. 1998. *The genus Paphiopedilum, natural history and cultivation*. 182 pp, illus. Botanical Publishers Inc. ISBN 0-9665337-0-4. — Introduction, keys, morphology, ecology, nomenclature, cultivation, extensive descriptions and comments; 8 new comb (Orchidaceae).
- *BREMER, K., B. BREMER & M. THULIN. 1998. *Introduction to phylogeny and systematics of flowering plants, ed. 4*. 109 pp, illus. Dept. Systematic Botany, Uppsala University, Sweden. Order from the authors. — At and above family level based on molecular studies and cladistic analyses; diagnoses of selected taxa.
- BRUMMITT, R.K. 1998. *Report of the Committee for Spermatophyta: 47*. Taxon 47: 863–872. — Conservation of *Bridelia*, *Cyperus sanguinolentus*, *Dolichos pubescens*, *Lagenophora*, *Wormia suffruticosa* recommended; that of *Brachiaria*, *Kyllingia triceps* not.
- BRUMMITT, R.K. (Ed.). 1999. *Report of the Committee for Spermatophyta: 48*. Taxon 48: 359–371. — Rejection of *Excoecaria integrifolia* recommended; conservation of *Allium ampeloprasum*, *Carex filicina*, *Homalanthus*, *Leucaena* (new type), *Sapindus* recommended.
- BRUYNIS, P.V. 1999. *Subtribes and genera of Aclepiadaceae – a response to Liede*. Taxon 48: 23–26. — See Taxon 46 (1997) 233–247 and Liede (1999).
- BUOT JR., I.E. & S. OKITSU. 1998. *Vertical distribution and structure of the tree vegetation in the montane forest of Mt. Pulog, Cordillera mountain range, the highest mountain in Luzon Is., Philippines*. Veget. Sc. 15: 19–32, illus. — See also Fl. Males. Bull. 12 (1997) 6.
- BURGER, W.C. 1998. *The question of cotyledon homology in angiosperms*. Bot. Rev. 64: 356–371, illus. — Not homologous, dicotyledonous embryos plesiomorph, monocots have lost the basal two cotyledons.
- BURTON, C.M. 1999. *Please, it isn't Hoya rubida*. Hoya 20: 1–41, illus. — Confusion over *H. sussuela*.
- BURTON, C.M. 1999. *Hoya trio for colour blind people*. Hoya 21/1: 3–8, illus. — *Hoya cembra*, *H. pazziae* are *H. odorata* (Asclepiadaceae).

- BURTON, C.M. 1999. *Hoya coriacea* & *Hoya fraterna*. Hoya 21/1: 9–13, illus. — Not the same (Asclepiadaceae).
- BURTT, B.L. 1998 ('1997'). *Taxonomic history of Didymocarpus and Henckelia (Gesneriaceae)*. Beitr. Biol. Pfl. 70: 365–375.
- BURTT, B.L. 1998 ('1997'). *New species of phytogeographical interest in Beccarinda and Henckelia (Gesneriaceae)*. Beitr. Biol. Pfl. 70: 377–382. — *Beccarinda* new (already in Van Steenis's Checklist, 1987!) Malesian genus: 1 new sp in Sumatra; 1 *Henckelia* for Celebes; notes on other genera.
- BURTT, B.L. 1998. *Climatic accommodation and phytogeography of the Gesneriaceae of the Old World*. In: P. Mathew & M. Sivadasan (Eds.), *Diversity and taxonomy of tropical flowering plants*: 1–27, illus.
- CADDICK, L.R. & P. WILKIN. 1998. *A revision of the genus Stenomeris (Dioscoreaceae)*. Kew Bull. 53: 703–712, illus. — 2 spp; key; synonymy, descriptions.
- CAMELBEKE, K. & P. GOETGHEBEUR. 1999. *The ligule, a new diagnostic character in Scleria (Cyperaceae)*. Syst. Geogr. Pl. 68: 73–84, illus.
- CÁMERA-HERNÁNDEZ, J. & S. GAMBINO. 1998 ('1997'). *Morphology, origin and evolution of the synflorescence of Coix lacryma-jobi L. (Poaceae)*. Beitr. Biol. Pfl. 70: 53–78, illus. — Perennial; very extensive descriptions.
- CAMERON, K.M. & M.W. CHASE. 1998. *Seed morphology of vanilloid orchids (Vanilloideae: Orchidaceae)*. Lindleyana 13: 148–169, illus. — Distinct at generic level.
- CAMERON, K.M., et 8 al. 1998. *A phylogenetic analysis of the Orchidaceae: evidence from rbcL nucleotide sequences*. Amer. J. Bot. 86: 208–224, illus. — 5 primary monophyletic clades; Vanilloideae supported, but not Neottioideae, Spiranthoideae, Vandoiideae (but see Freudenstein & Rasmussen on p. 225); only a few tribes monophyletic.
- CARLQUIST, S. 1998. *Wood and stem anatomy of Petiveria and Rivina (Caryophyllales); systematic implications*. IAWA J. 19: 383–391, illus. — In Phytolaccaceae.
- CARLQUIST, S. 1999. *Wood and bark anatomy of Schisandraceae: implications for phylogeny, habit, and vessel evolution*. Aliso 18: 45–55, illus.
- CARLQUIST, S. 1999. *Wood, stem, and root anatomy of Basellaceae with relation to habit, systematics, and cambial variants*. Flora 194: 1–12, illus.
- CARRIZO GARCÍA, C. 1998. *Sobre el androceo y el gineceo en la tribu Datureae (Solanaceae) y su implicancia taxonómica*. Kurtziana 26: 33–53, illus. (In Spanish, Engl. summ.). — *Brugmansia* and *Datura* distinct.
- CERANA, M.M. & L.A. ESPINAR. 1998. *Corolas bilobadas en el género Mikania (Asteraceae)*. Kurtziana 26: 129–133, illus. (In Spanish, Engl. summ.).
- CHAKRABARTY, T. & N.P. BALAKRISHNAN. 1997 ('1992'). *A revision of Croton L. (Euphorbiaceae) for Indian subcontinent*. Bull. Bot. Surv. India 34: 1–88, illus. — 30 spp; morphology; key; synonymy, descriptions, notes.

- CHAKRABARTY, T. & M. GANGOPADHYAY. 1997. *The genus Baccaurea (Euphorbiaceae) in the Indian subcontinent*. J. Econ. Tax. Bot. 21: 525–534. — 4 spp, 1 new comb; key; synonymy, descriptions, notes.
- CHANG, H. (Ed.). 1998. *Theaceae (1) Theioideae*. Fl. Reipubl. Pop. Sin. 49/3: 281 pp, illus. (In Chinese). — 9 gen, 319 spp.
- CHANG, S. & C. WU (Eds.). 1998. *Moraceae*. Fl. Reipubl. Pop. Sin. 23/1: 257, illus. (In Chinese). — 12 gen, 149 spp.
- CHANTARANOTHAI, P. 1998. *Palaquium hansenii, a new species of Sapotaceae from Thailand*. Nordic J. Bot. 18: 365–367, illus. — Key to the 10 Thai spp.
- CHANTARANOTHAI, P. 1998. *Four new species of Madhuca (Sapotaceae) from Thailand*. Nordic J. Bot. 18: 493–497, illus. — Key to Thai spp.
- CHATURVEDI, M., K. DATTA & P.K.K. NAIR. 1998. *Pollen morphology of Oryza (Poaceae)*. Grana 37: 79–86, illus.
- CHAUDHARY, L.B. & M. SANJAPPA. 1998. *Parochetinae: a new subtribe of Trifolieae (Leguminosae, Papilionoideae)*. Taxon 47: 829–831, illus. — Key to subtribes.
- CHAUDHURY, G. & U.C. BHATTACHARYYA. 1997 ('1994'). *The genus Alternanthera Forssk. (Amaranthaceae) in India*. Bull. Bot. Surv. India 36: 267–277, illus. — 7 spp; key; synonymy, descriptions, notes.
- CHEEK, M. & M. JEBB. 1998. *Two new Philippine Nepenthes*. Kew Bull. 53: 966.
- CHEEK, M. & I.M. TURNER. 1998. *The identity of Villarsia aurantiaca Ridl. ex C.B. Clarke (Menyanthaceae) in the Malay Peninsula*. Kew Bull. 53: 961–965. — Heterotypic synonym of Nymphoides aurantiaca; synonymy.
- CHEN, S.-C., Z.-H. TSI & G.-H. ZHU. 1999. *Notes on some subtribes of the Orchidaceae*. Acta Phytotax. Sin. 37: 113–116. — 5 new subtribes, e.g. Acanthephippiinae, Stereandrinae.
- CHEW, P.T., S. SURAN & A. IBRAHIM. 1999 ('1997'). *Checklist of vascular plants in the Nature Reserves of Singapore*. Gard. Bull. Singapore 49: 161–223. — 1634 spp.
- CHOO, J.P.S. & H.T.W. TAN. 1998 ('1997'). *The angiosperm flora of Singapore, part 7. Limnocharitaceae*. Gard. Bull. Singapore 49: 107–110, illus. — 1 sp.
- CHRISTENHUSZ, M.J.M. 1998. *Key to the Philippine species of Euphorbia*. Males. Euph. Newsl. 9: 2–4.
- CHRISTENSON, E.A. 1998. *A new Malleola (Orchidaceae: Aeridinae) from Thailand and Vietnam*. Lindleyana 13: 231–233, illus. — Malleola insectifera endemic to Java.
- CHRISTENSON, E.A. 1999. *Proposal to conserve the name Dendrobium teres (Orchidaceae) against Limodorum subulatum*. Taxon 48: 587–588.
- CHRISTENSON, E.A. 1999. *Proposal to conserve the name Phalaenopsis sumatrana (Orchidaceae) with a conserved type*. Taxon 48: 591–592.

- CHUNG, R.C.K. 1998. *New species of Helicia Lour. and Heliciopsis Sleumer (Proteaceae) from Borneo*. Gard. Bull. Singapore 50: 151–160, illus.
- CHUNG, R.C.K. & A.L. LIM. 1998. *The embryology of Averrhoa (Oxalidaceae)*. Sandakania 12: 37–55, illus. — Extensive descriptions of micro- and macrosporogenesis, development of endosperm, embryo, testa, pericarp; some comparisons with other Oxalidaceae, but no overall conclusion and discussion on e.g. the validity of Averrhoaceae.
- CLARKE, C. 1998. *Initial colonisation and prey capture in Nepenthes bicalcarata (Nepenthaceae) pitchers in Brunei*. Sandakania 12: 27–36, illus. — More observations on these remarkable swimming and fishing ants, Camponotus schmitzii (see Fl. Males. Bull. 11/8, 1997, 541).
- COOTES, J. 1998. *The genus Hapalochilus (Schltr.) Senghas*. Orchadian 12: 403–404, illus. — Brief notes on the cultivation of some species (Orchidaceae).
- COPE, E.A. 1998. *Taxaceae: the genera and cultivated species*. Bot. Rev. 64: 291–322, illus. — 5 gen, 13 spp; key; synonymy, descriptions.
- CORLETT, R.T. 1998. *Frugivory and seed dispersal by vertebrates in the Oriental (Indo-malayan) region*. Biol. Rev. 73: 413–448, illus. — Current knowledge summarized.
- CORLETT, R.T. 1999 ('1997'). *The vegetation of the Nature Reserves of Singapore*. Gard. Bull. Singapore 49: 147–159, illus.
- COWLEY, J. 1998. *Two new species of Boesenbergia (Zingiberaceae) from Brunei Darussalam*. Kew Bull. 53: 623–629, illus.
- COWLEY, J. 1999. *Two new species of Plagiostachys (Zingiberaceae) from Borneo*. Kew Bull. 54: 139–146, illus.
- CRAMER, L.H. 1998. *Acanthaceae*. Rev. Handb. Fl. Ceylon 12: 1–140. — 7 new comb; Strobilanthus by J.R.I. Wood.
- CRANE, P.R. & P.S. HERENDEEN. 1999. *The origin of modern terrestrial ecosystems: Introduction*. Ann. Missouri Bot. Gard. 86: 227–229. — Introduction to an issue containing very interesting chapters on Cretaceous/Tertiary vegetation types and angiosperms.
- CROAT, T.B. 1998. *Tropical aroids: taxonomy, diversity and ecology*. In: P. Mathew & M. Sivadasan (Eds.), *Diversity and taxonomy of tropical flowering plants*: 235–286.
- CROFT, J., et 6 al. 1999. *Plant names for the 21st century: the International Plant Names Index, a distributed data source of general accessibility*. Taxon 48: 317–324. — Combination of Index Kewensis, Gray Card Index, Australian Plant Names Index to be freely available on the Internet; 'there will be no need to search, re-examine or edit the names of [extant seedplants] plants, authors, and associated literature citations': wish this would be true, in this business you can't trust nobody, not even yourself ...
- CUERRIER, A., L. BROUILLET & D. BARABÉ. 1998. *Numerical and comparative analyses of the modern systems of classification of the flowering plants*. Bot. Rev. 64: 323–355.

- CUI, H. 1998. *Leguminosae* (5). Fl. Reipubl. Pop. Sin. 42/2: xxi, 456 pp, illus. — 35 gen (Oxytropis to Ulex), 406 spp.
- *CUTLER, D.F. & M. GREGORY (Eds.). 1998. *Anatomy of the dicotyledons – Saxifragales*, ed. 2, vol. 4: x, 324 pp, illus.
- DAI, L.-K. 1998. *Discussion on the systematic position of Ophiopogonoideae*. In: S.-T. Chiu & C.-I Peng (Eds.), Proc. Cross-strait Symp. Flor. Div. & Cons.: 173–182, illus. (In Chinese, Engl. summ.). — Best treated as distinct family.
- *DASSANAYAKE, M.D. & W.D. CLAYTON. 1999. *A revised handbook to the Flora of Ceylon*. 285 pp. A.A. Balkema, Rotterdam, Brookfield. ISBN 90-5410-791-X. — Alangiaceae, Aquifoliaceae, Aristolochiaceae, Burseraceae, Buxaceae, Cabombaceae, Cactaceae, Caprifoliaceae, Chloranthaceae, Cornaceae, Crassulaceae, Daphniphyllaceae, Dichapetalaceae, Ericaceae, Euphorbiaceae (p.p.), Haloragaceae, Hypericaceae, Linaceae, Moringaceae, Myrsinaceae, Nyctaginaceae, Opiliaceae, Oxalidaceae, Papaveraceae, Santalaceae, Schizandraceae, Staphyleaceae, Trapaceae, Turneraceae, Ulmaceae, Urticaceae; still no index.
- DAVIES, S.J. 1999. *New species of Macaranga (Euphorbiaceae) section Pachystemon from Borneo*. Kew Bull. 54: 147–154, illus.
- DEROIN, T. 1999. *Functional impact of the vascular architecture of flowers in Annonaceae and Magnoliaceae, and its bearing on the interpretation of the magnoliaceous gynoecium*. Syst. Geogr. Pl. 68: 213–224, illus.
- DEROIN, T. 1999. *Ontogeny and phylogeny in Convolvulaceae–Ipomoeae: preliminary comparative remarks on ovary morphology*. Syst. Geogr. Pl. 68: 225–232, illus. — Compared to more archaic Stictocardia, Turbina.
- *DIKSHIT, B. K. & G. PANIGRAHI. 1999. *The family Rosaceae in India (Revisionary studies in Potentilla L., Sibbaldia L. & Brachycaulos Dikshit & Panigr.)* Vol. 4. iii, 348 pp. Bishen Singh Mahendra Pal Singh, Dehra Dun. ISBN 81-211-0141-7.
- DOORENBOS, J., M.S.M. SOSEF & J.J.F.E. DE WILDE. 1998. *The sections of Begonia including descriptions, keys and species lists (Studies in Begoniaceae VI)*. Wageningen Agric. Univ. Pap. 98-2: 1–266, illus. — In DELTA files; keys genera, and by continent; descriptions, enumeration of species.
- DOUZERY, E.J.P., et 5 al. 1999. *Molecular phylogenetics of Diseae (Orchidaceae): a contribution from nuclear ribosomal ITS sequences*. Amer. J. Bot. 86: 887–899, illus. — Diseae paraphyletic, Orchideae (incl. Habenariinae) monophyletic.
- DOYLE, J.A. & A. LE THOMAS. 1998. *How important is palynology for phylogeny of Annonaceae? Experiments with removal of pollen characters*. Annonaceae Newsl. 11: 23–25, illus. — Use of palynological characters excludes a number of possible trees.
- DRANSFIELD, J. & D. COOKE. 1999. *Cocos nucifera. Arecaceae*. Curtis's Bot. Mag. 16: 2–9, illus. — Brief account of relationships (monotypic, close to S American Syagrus), origin (W Pacific), uses, cultivation, description.

- DRANSFIELD, S. 1998. *Cyrtochloa, a new genus of bamboo (Gramineae-Bambusoideae) from the Philippines*. Kew Bull. 53: 857–873, illus. — 5 spp: 3 comb nov from Schizostachyum, 2 new; key; synonymy, descriptions, notes.
- DRANSFIELD, S. 1998. *Notes on Bambusa diffusa (Gramineae-Bambusoideae) from Luzon, Philippines*. Kew Bull. 53: 875–881, illus. — Nomen dubium; 1 new comb.
- DRESSLER, S. 1999. *Revision of the genus Cleistanthus (Euphorbiaceae) in the Philippines*. Blumea 44: 109–148, illus. — 16 spp; key; synonymy, descriptions, notes; identification list.
- EDGAR, E. & H.E. CONNOR. 1998. *Zotovia and Microlaena: New Zealand ehrhartoid Gramineae*. N. Zeal. J. Bot. 36: 565–586, illus. — Microlaena distinct from Ehrharta.
- *ELLIOTT, S., D. BLAKESLEY & V. ANUSARNSUNTHORN (Eds.). 1998. *Forests for the future: growing and planting native trees for restoring forest ecosystems*. 60 pp, illus. ISBN 974-656-217-7. Forest Restoration Research Unit, Biology Department, Faculty of Science, Chiang Mai University, Chiang Mai 50200, Thailand. E-mail: scopplrn@chiangmai.ac.th — That native trees are of better use in reforestation than exotics may be a novel concept to politicians and administrators; this booklet may show them otherwise.
- ENDO, Y. & H. OHASHI. 1998. *Variations in the anatomical features of cotyledon areoles in Leguminosae*. J. Jap. Bot. 73: 264–269, illus. — Taxonomic meaning unclear.
- ESSER, H.-J. 1998. *New combinations in Microstachys (Euphorbiaceae)*. Kew Bull. 53: 955–960. — None Malesian; distinct from Sebastiania.
- ESSER, H.-J. 1999. *A partial revision of the Hippomaneae (Euphorbiaceae) in Malesia*. Blumea 44: 149–215, illus. — Excl. Excoecaria, Homalanthus: 8 gen (2 new), delimitation markedly changed, 13 spp (8 new comb); keys; synonymy, descriptions, notes; indices to collections, names.
- FAN, G. 1996. *Generic numerical taxonomy of Styracaceae from Asia*. Guihaia 16/3: 305–307 (In Chinese, Engl. summ.). — Neostyrax, gen nov for Bruinsmia polysperma: gen and comb invalidly published, no Latin, no full and direct reference.
- *FARJON, A. 1998. *World checklist and bibliography of Conifers*. vii, 298 pp, illus. Royal Botanic Gardens, Kew. ISBN 1-900347-54-7.
- FENG, Y.-X., X.-Q. WANG, K.-Y. PAN & D.-Y. HONG. 1998. *A revaluation of the systematic positions of the Cercidiphyllaceae and Daphniphyllaceae based on rbcL gene sequence analysis, with reference to the relationship in the 'lower' Hamamelidae*. Acta Phytotax. Sin. 36: 411–422, illus.
- FERGUSON, D.M. 1998. *Phylogenetic analysis and relationships in Hydrophyllaceae based on ndhF sequence data*. Syst. Bot. 23: 253–268, illus. — Nested in paraphyletic Boraginaceae s.l.
- FOREMAN, D.B. 1998. *New species of Helicia Lour. (Proteaceae) from the Vogelkop Peninsula, Irian Jaya*. Kew Bull. 53: 669–681, illus. — 5 spp; key to New Guinea species.

- FORSTER, P.I., D.J. LIDDLE & I.M. LIDDLE. 1998. *Diversity in the genus Hoya (Asclepiadaceae – Marsdenieae)*. Aloe 35/2 (n.v.), reprint in Fraterna 12/1 (1999) 2–13, illus. — Survey of history, morphology.
- FORSTER, P.I. & P.C. VAN WELZEN. 1999. *The Malesian species of Choriceras, Fontainea, and Petalostigma (Euphorbiaceae)*. Blumea 44: 99–107, illus. — Choriceras (1 sp), Fontainea (2, key), Petalostigma (1) not related; synonymy, descriptions, notes; identification list.
- FREUDENSTEIN, J.V. & F.N. RASMUSSEN. 1998. *What does morphology tell us about orchid relationships? – a cladistic analysis*. Amer. J. Bot. 86: 225–248, illus. — Most subfamilies monophyletic; Orchidoideae paraphyletic; Vandoideae recognized (but see Cameron et al. on p. 208).
- FRIIS, E.M., L.R. PEDERSEN & P.R. CRANE. 1999. *Early angiosperm diversification: the diversity of pollen associated with angiosperm reproductive structures in early Cretaceous floras from Portugal*. Ann. Missouri Bot. Gard. 86: 259–296, illus.
- FURNESS, C.A. & P.J. RUDALL. 1998. *The tapetum and systematics in Monocotyledons*. Bot. Rev. 64: 201–239, illus. — Two main types 'have probably evolved several times, although there may be some systematic significance within certain groups'.
- GANESHAIAH, K.N., P. KATHURIA & R.U. SHAANKER. 1999. *Does optimal packing of flowers in syconia shape style length variation in monoecious figs?* Biotropica 31: 312–320, illus. — No (Ficus, Moraceae).
- GAO, X.-F. 1998. *A new taxa and new record of Leguminosae in China*. Acta Bot. Yunn. 20: 269–270 (In Chinese, but mostly Latin litt. references). — At least 1 Malesian.
- GAVIN, D.G. & D.R. PEART. 1999. *Vegetative life history of a dominant rain forest canopy tree*. Biotropica 31: 288–294, illus. — Tetramerista glabra (Tetrameristaceae).
- GAVRILOVA, O.A. 1998. *Palynomorphology of the family Kiggelariaceae*. Bot. Dzh. 83/5: 20–27, illus. (In Russian, Engl. summ.). — Transference of Pangieae from Flacourtiaceae supported.
- GHOSH, B. 1997 ('1994'). *The family Combretaceae of Andaman and Nicobar Islands*. Bull. Bot. Surv. India 36: 278–284. — 5 gen, 15 spp; keys; synonymy, descriptions, notes.
- GIVNISH, T.J., T.M. EVANS, J.C. PIRES & K.J. SYTSMA. 1999. *Polyphyly and convergent morphological evolution in Commelinales and Commelinidae: evidence from rbcL sequence data*. Molec. Phylogen. & Evol. 12: 360–385, illus. — Commelinales polyphyletic, Commelinidae paraphyletic; 4 superorders, 10 orders proposed.
- GLEISSBERG, S. & J.W. KADEREIT. 1999. *Evolution of leaf morphogenesis: evidence from developmental and phylogenetic data in Papaveraceae*. Int. J. Pl. Sc. 160: 787–794, illus.
- GO, R. 1998. *A new species of Parartocarpus (Moraceae) from Sabah*. Sandakania 12: 1–5, illus.

- GONZÁLEZ, F. 1999. *Inflorescence morphology and the systematics of Aristolochiaceae*. Syst. Geogr. Pl. 68: 159–172, illus.
- GOVAERTS, R. 1999. *Proposal to reject the name Phyllanthus hamrur (Euphorbiaceae)*. Taxon 48: 170. — Possibly, but by absence of type not certainly, older name for Flueggea or Securinega virosa.
- GRAHAM, S.W., J.R. KOHN, B.R. MORTON, J.E. ECKENWALDER & S.C.H. BARRETT. 1998. *Phylogenetic congruence and discordance among one morphological and three molecular data sets from Pontederiaceae*. Syst. Biol. 47: 545–567, illus. — Generally congruent.
- GREBENSTEIN, B., M. RÖSER, W. SAUER & V. HEMLEBEN. 1998. *Molecular phylogenetic relationships in Aveneae (Poaceae) species and other grasses as inferred from ITS1 and ITS2 rDNA sequences*. Pl. Syst. Evol. 215: 233–250, illus. — Avena close to 'small-flowered' Aveneae; Arrhenatherum close to 'small-flowered' subgenera of Helictotrichon; only subgenera of Helictotrichon monophyletic; Trisetum distinct, related to Koeleria.
- GREEN, T. 1998. *Three Filipinos: Hoya cumingiana, Hoya densifolia and Hoya golamcoiana*. Fraterna 11/4: 2–5, illus.
- GRIMALDI, D. 1999. *The co-radiations of pollinating insects and angiosperms in the Cretaceous*. Ann. Missouri Bot. Gard. 86: 373–406, illus. — Greatest diversification in mid-Cretaceous simultaneously with entomophilous syndromes in flowers; the cause and effect relationships remain obscure.
- GUO, Q., R.E. RICKLEFS & M.L. CODY. 1998. *Vascular plant diversity in eastern Asia and North America: historical and ecological explanations*. Bot. J. Linn. Soc. 128: 123–136, illus. — At least to recent geological history, continuous presence of suitable niches.
- GUO, Y.-H. & S.-Q. HUANG. 1999. *Evolution of pollination system and characters of stigmas in Najadales*. Acta Phytotax. Sin. 37: 131–136, illus. (In Chinese, Engl. summ.).
- HAM, R.W.J.M. VAN DER, W.L.A. HETTERSCHEID & B.J. VAN HEUVEN. 1998. *Notes on the genus Amorphophallus (Araceae) – 8. Pollen morphology of Amorphophallus and Pseudodracontium*. Rev. Palaeobot. Palyn. 103: 95–142, illus. — 8 main but variable surface types; Pseudodracontium distinct.
- HAN, L., A. LAMB & P.J. CRIBB. 1998. *Paphiopedilum kolopakingii (Orchidaceae: Cypripedioideae) – a Slipper orchid new to Sabah*. Sandakania 12: 57–59, illus.
- HANDAYANI, T. & SYAMSUDDIN. 1998. *Nepenthes rafflesiana Jack. dan keturunannya*. Warta Kebun Raya 2/3: 1–8, illus. (In Indonesian, Engl. summ.). — (Nepenthaceae).
- HANSEN, A., S. HANSMANN, T. SAMIGULLIN, A. ANTONOV & W. MARTIN. 1999. *Gnetum and the angiosperms: molecular evidence that their shared morphological characters are convergent, rather than homologous*. Molec. Biol. & Evol. 16: 1006–1009. — Apparently closer to conifers.

- HAO, G. & C. HU. 1996. *Leaf venation of Hydrangeoideae (Hydrangeaceae)*. Guihaia 16/2: 155–160, illus. (In Chinese, Engl. summ.).
- HARRIS, D.J. 1999. *Species plantarum. Flora of the world. Part 1. Irvingiaceae*: 1–25, illus. — First installment of a giant undertaking; keys, synonymy, descriptions; 1 Malesian sp.
- HARRIS, W.K. 1997. *Diplocaulobium obyrnei (Orchidaceae), a new species from Papua New Guinea*. Lasianthera 1: 148–152, illus.
- HARRISON, R.D. 1997. *The Ficus flora of Lambir Hills National Park, Sarawak*. In: T. Inoue & A.A. Hamid (Eds.), General flowering of tropical rainforests in Sarawak: 86–95. — 75 taxa, descriptions (Moraceae).
- HARTMEYER, S. 1997. *Carnivory of Byblis revisited – a simple method for enzyme testing on carnivorous plants*. Carn. Pl. Newsl. 26: 39–45, illus. — No enzyme activities detected.
- HARTMEYER, S. 1998. *Carnivory of Byblis revisited II: The phenomenon of symbiosis on insect trapping plants*. Carn. Pl. Newsl. 27: 110–113, illus. — Suggestion that Byblis is indirectly carnivorous by uptake of faeces of symbiotic bugs (Miridae) that eat the captured insects (Byblidaceae).
- HASHIMOTO, T. 1998. *A list of Vanuatu orchids, collected in 1996*. Ann. Tsukuba Bot. Gard. 17, Sp. Issue: 55–57. — See also Yukawa (1998) (Orchidaceae).
- HASHIMOTO, T., et 5 al. 1998. *A list of herbarium specimens from Vanuatu, collected in 1996 and 1997, excluding the Orchidaceae*. Ann. Tsukuba Bot. Gard. 17, Sp. Issue: 1–22.
- HAY, A. 1998. *Flora Malesiana Araceae*. In: H. Li, et al., Acta Bot. Yunn., Suppl. 10: 24–27. — Progress report.
- HAY, A. 1998. *The genus Alocasia (Araceae–Colocasieae) in West Malesia and Sulawesi*. Gard. Bull. Singapore 50: 221–334, illus. — 31 spp, 10 new; morphology, history, typification; keys; synonymy, descriptions, notes; specimens under taxa.
- HAY, A. 1999. *Revision of Homalomena (Araceae–Homalomeneae) in New Guinea, the Bismarck Archipelago and Solomon Islands*. Blumea 44: 41–71, illus. — 19 spp, 10 new; key; synonymy, descriptions, notes; indices to collections, names.
- HEADS, M. 1999. *Vicariance biogeography and terrane tectonics in the South Pacific: analysis of the genus Abrotanella (Compositae)*. Biol. J. Linn. Soc. 67: 391–432, illus.
- HEO, K., H. VAN DER WERFF & H. TOBE. 1998. *Embryology and relationships of Lauraceae (Laurales)*. Bot. J. Linn. Soc. 126: 295–322, illus.
- HIDAYAT, R.S., I.P. ASTUTI, I.B.K. ARINASE, RUSPANI & NGATARI. 1998. *Timonius flavescens Back. tumbuhan obat kontrasepsi di savana*. Warta Kebun Raya 2/3: 29–33, illus. (In Indonesian, Engl. summ.). — Traditional medicine for contraception (Rubiaceae).

- HIDAYAT, S. 1997. *Study of Compositae in several conservation areas in Indonesia*. Comp. Newsl. 31: 17–20, illus. — Notes on spp from Sumatra, Celebes.
- HILL, K.D. 1999. *Cycas falcata (Cycadaceae), a new species from Sulawesi, Indonesia*. Kew Bull. 54: 209–213, illus.
- HILL, K.D. & S.-L. YANG. 1999. *The genus Cycas (Cycadaceae) in Thailand*. Brittonia 51: 48–73, illus. — 10 spp, 5 new; key; synonymy, descriptions, notes; specimens under taxa.
- HING, S.-P., L.P. RONSE DECRAENE & E. SMETS. 1998. *Systematic significance of tepal surface morphology in tribes Persicarieae and Polygoneae (Polygonaceae)*. Bot. J. Linn. Soc. 127: 91–116, illus.
- *HODEL, D.R. (Ed.). 1998. *The palms and cycads of Thailand*. xv, 190 pp, illus. Kampon Tansacha, Nong Nooch Tropical Garden, Thailand. ISBN 0-935868-98-4. — Introduction, keys, descriptions, beautiful pictures, very impressive (Cycadaceae, Palmae).
- HOLLAND, D.E. & P.F. STEVENS. 1998. *Tapeinosperma alatum (Myrsinaceae): a remarkable new species from Ceram*. Blumea 43: 347–350, illus. — Partial key.
- HOOT, S.B. & A.W. DOUGLAS. 1998. *Phylogeny of the Proteaceae based on atpB and atpB–rbcL intergenic spacer region sequences*. Austr. Syst. Bot. 11: 301–320, illus. — Most subfamilies monophyletic, most (sub)tribes not; little congruence with morphologically based systems.
- HOOT, S.B., S. MAGALLÓN & P.R. CRANE. 1999. *Phylogeny of basal eudicots on three molecular data sets: atpB, rbcL and 18S nuclear ribosomal DNA sequences*. Ann. Missouri Bot. Gard. 86: 1–32, illus.
- HOPE, G. 1998. *Early fire and forest change in the Baliem Valley, Irian Jaya, Indonesia*. J. Biogeogr. 25: 453–461, illus. — Traces of fire as early as 32,500 yBP.
- HSIAO, C., S.W.L. JACOBS, N.J. CHATTERTON & K.H. ASAY. 1999. *A molecular phylogeny of the grass family (Poaceae) based on sequences of nuclear ribosomal DNA (ITS)*. Austr. Syst. Bot. 11: 667–688, illus. — 6 subfam recognized; 3 major clades, Bambusoideae, Pooideae, PACC; origin seems S America in Upper Cretaceous before break-up of Gondwanaland.
- HSIEH, T.-H. & T.-C. HUANG. 1998. *Notes on the flora of Taiwan (33) – Revision of the genus Clinopodium L. in Taiwan*. Taiwania 43: 108–115, illus. — In FM included in Satureja (Labiatae); 3 spp, 1 new var; key, descriptions, synonymy.
- HSIEH, T.-H. & T.-C. HUANG. 1999. *Revision of Mosla (Lamiaceae) in Taiwan*. Taiwania 44: 72–81, illus. — 3 spp, 1 Malesian; palynology; key; synonymy, descriptions, specimens under taxa.
- HU, C.-M. 1999. *Primulaceae*. Fl. Thail. 7: 155–168, illus. — 3 gen, 18 spp.
- HUANG, H., R. MIAO & H. CHUNG. 1999. *Morphological and histological study on bisexual flower of Cucurbita moschata*. Guihaia 19: 136–142, illus. (In Chinese, Engl. summ.).

- HUANG, L., et 7 al. 1998. *Systematic studies on Trichosanthes L. (Cucurbitaceae)*. In: S.-T. Chiu & C.-I. Peng (Eds.), Proc. Cross-strait Symp. Flor. Div. & Cons.: 75–83, illus. (In Chinese, Engl. summ.). — Subgen classification, 1 new sect, 1 series; molecular study.
- HUANG, T.-C. 1998. *The floristic relationship among the islands of Taiwan, Taipingtao and Tungshatao*. Taiwania 43: 165–176, illus. — Taipingtao is Itu Aba Isl., on the Tizard Bank in the contested Spratley islands, which definitely belong to the Malesian area.
- HUANG, T.-C. (Ed.). 1998. *Flora of Taiwan ed. 2, 4. Diapensiaceae–Compositae*: xiv, 1217 pp, illus. — Beautifully executed, but hefty volume with page-size illustrations and 87 pages of colour plates, each with 5 or 6 pictures; 23 new comb/taxa (p. 1189).
- HUGHES, C. 1998. *Monograph of Leucaena (Leguminosae–Mimosoideae)*. Syst. Bot. Monogr. 55: 1–244, illus. — Cladistic revision; 28 taxa, 1 Malesian; key; synonymy, descriptions; specimens under taxa.
- HÜGIN, G. 1999. *Anmerkungen zur Unterscheidung von Eragrostis multicaulis und Eragrostis pilosa*. Bot. & Natursch. Hessen 11: 91–93 (In German, Engl. summ.). — Discussion of the problems in distinguishing the two (Gramineae).
- HUYNH, K.-L. 1999. *The genus Freycinetia (Pandanaceae) in New Guinea (part 2)*. Bot. Jb. 121: 149–186, illus. — 17 new spp.
- HUYSMANS, S., G. EL-GHAZALY & E. SMETS. 1998. *Orbicules in Angiosperms: morphology, function, distribution, and relation with tapetum types*. Bot. Rev. 64: 240–272, illus. — Orbicules = Ubisch bodies, sporopollenin particles lining tapetal cell walls; function obscure; occurrence in all subclasses of angiosperms; no correlation with pollination or habitat; only in species with secretory tapetum.
- HUYSMANS, S., E. ROBBRECHT & E. SMETS. 1998. *A collapsed tribe revisited: pollen morphology of the Isertieae (Cinchonoideae–Rubiaceae)*. Rev. Palaeobot. & Palynol. 104: 85–113, illus. — Mussaendeae and Isertieae s.s. supported; Sabiceae less well-defined.
- @HYLAND, B.P.M., et 5 al. 1999. *Tropical rain forest trees and shrubs*. v, 95 pp, illus. CSIRO Publishing. ISBN 0-643-06047-2. — See reviews.
- IBRAHIM, A., P.T. CHEW, H.S. KIAH & J.T.K. LAI. 1998 ('1997'). *New records of plant species from Singapore*. Gard. Bull. Singapore 49: 49–54. — 28 spp, e.g. Chone-morpha fragrans, Dipterocarpus elongatus, Gymnanthera oblonga, Ichnocarpus serpyllifolius, Kibatalia maingayi, Mukia maderaspatana, Scaphochlamys tenuis, Shorea ochrophloia.
- IGERSHEIM, A. & P.K. ENDRESS. 1998. *Gynoecium diversity and systematics of the paleo-herbs*. Bot. J. Linn. Soc. 127: 289–370, illus. — Aristolochiales, Nymphaeales, Piperales, Rafflesiales, Ceratophyllaceae, Nelumbonaceae, the latter two remain isolated.

- ILTIS, H.H. 1999. *Setchellanthaceae (Capparales), a new family for a relictual, glucosinolate-producing endemic of the Mexican desserts*. Taxon 48: 257–275, illus. — Near Caricaceae, Moringaceae; Dahlgren's Capparales supported; followed by other papers by Tobe, Carlquist & Iltis on reproductive anatomy, Tomb on palynology, Carlquist & Miller on vegetative anatomy, Karol, Rodman, Conti & Sytsma on rbcL.
- IMAICHI, R., T. ICHIBA & M. KATO. 1999. *Developmental morphology and anatomy of the vegetative organs in Malaccotristicha malayana (Podostemaceae)*. Int. J. Pl. Sc. 160: 253–259, illus.
- INGROUPILLE, M. & G.R. BHATTI. 1998. *Infrageneric relationships within Pogostemon Desf. (Labiatae)*. Bot. J. Linn. Soc. 128: 159–183, illus.
- *INOUE, T. & A.A. HAMID (Eds.). 1997. *General flowering of tropical rainforests in Sarawak*. Canopy Biol. Progr. Sarawak II: vii, 251 pp, illus. — Based on observations in Lambir Hills National Park; climatology, species lists of flowering plants, ants, reproductive phenology of c. 500 plants, pollination in 270 spp, e.g. Shorea sect. Mutica pollinated by beetles, Dipterocarpus with nectar, etc.
- IWASHINA, T. & H. HATTA. 1998. *Flavonoids in the leaves of Mastixia trichotoma, Camptotheca acuminata, Alangium platanifolium var. trilobum, A. premnifolium, and Davidia involucreata, and their implication with the genus Cornus*. Ann. Tsukuba Bot. Gard. 17, Sp. Issue: 139–146, illus. — More similar to Cornus than to Helwingia and Aucuba.
- JACOBS, B.F., J.D. KINGSTON & L.L. JACOBS. 1999. *The origin of grass-dominated ecosystems*. Ann. Missouri Bot. Gard. 86: 590–643, illus. — Very interesting compilation on origin and development of grasses: apparently originated in Paleocene in S America (Buergeria of New Guinea of basal lineage suggests earlier and Gondwanan origin); absent, or very rare until opening of forests in early to mid Tertiary with simultaneous increase of C3 grasses (and associated fauna); origin of C4 grasses in middle Miocene; spread of C4-dominated ecosystems over C3 ones by late Miocene; grasses appear to be much more recent than thought; 14 pages of references in fine print! Required reading! (also if you don't agree with it all).
- JACOBSEN, N., J. BOGNER & C. CHRISTENSEN. 1999. *Weitere Aufsammlungen von Cryptocoryne usteriana Engler auf den Philippinen*. Aqua-Planta 23: 113–115, illus. (In German).
- JAGTAP, A.P. & N.P. SINGH. 1997. *Morphology and taxonomy of pollinaria of Indian asclepiads*. J. Palynol. 33: 19–37, illus. — 43 gen, 197 spp; generic key; species very badly depicted (Asclepiadaceae).
- JAGTAP, A.P. & N.P. SINGH. 1997. *Morphology and taxonomy of Periplocaceae of India based on pollen grains*. J. Palynol. 33: 177–180, illus. — 11 gen, 17 spp; generic key; plates very bad.
- JANSEN, S., P. DE BLOCK, H. BEECKMAN & E. SMETS. 1999. *Systematic wood anatomy of the Pavetteae (Rubiaceae, Ixoroideae)*. Syst. Geogr. Pl. 68: 113–133, illus.

- JARVIE, J.K. & P.F. STEVENS. 1998. *New species and notes on Violaceae and Flacourtiaceae from Indo-Malesia*. Harvard Pap. Bot. 3: 253–262. — Rinorea, Ryparosa.
- JAYARAMAN, U. 1997 ('1992'). *A note on the distribution of some species of Diospyros*. Bull. Bot. Surv. India 34: 230–232. — *D. trichophylla* new for Andamans.
- JAYARAMAN, U. & M.P. NAYAR. 1997 ('1992'). *Diospyros pilosula Wallich ex Hiern var. andamanensis Jayaraman & Nayar var. nov. (Ebenaceae) from the Andamans*. Bull. Bot. Surv. India 34: 180–187, illus.
- JEBB, M.H.P. 1998. *A revision of the genus Trevesia (Araliaceae)*. Glasra 3: 85–113, illus. — 7 spp, 1 new; 1 new comb in Brassaiopsis; introduction; key; synonymy, descriptions, notes; indices to specimens, names.
- JEFFREY, C. & W.J.J.O. DE WILDE. 1999. *Proposals to reject the names Pepo indicus and Momordica trifolia (Cucurbitaceae)*. Taxon 48: 599–600.
- Ji, Z. (aka Z. Tsi). 1996. *A preliminary revision of Gastrochilus (Orchidaceae)*. Guihaia 16/2: 123–154, illus. — 3 sect (1 new), 46 spp (8, 1 new comb); key; synonymy, very brief diagnoses; *Gastrochilus* very distinct from *Saccolabium*, whereby rejection of the first by the Code is unnecessary.
- JOHNSON, D.E. 1985. *Literature on the history of botany and botanic gardens 1730–1840: a bibliography*. Huntia 6: 3–121. — By author, annotated; based on the Hunt Institute files.
- JOHNSON, D.M. & N.A. MURRAY. 1999. *Four new species of Polyalthia (Annonaceae) from Borneo and their relationship to Polyalthia insignis*. Contr. Univ. Michigan Hardback. 22: 95–104, illus.
- JOHNSON, L.A., D.E. SOLTIS & P.S. SOLTIS. 1998. *Phylogenetic relationships of Polemoniaceae inferred from 18S ribosomal DNA sequences*. Pl. Syst. Evol. 214: 65–89, illus. — Monophyletic, near Fouquieriaceae, Diapensiaceae, and related 'ericalean' families.
- JULIA, S. & E. SOEPADMO. 1998. *New species and new record of Lithocarpus Blume (Fagaceae) from Sabah and Sarawak, Malaysia*. Gard. Bull. Singapore 50: 125–150, illus.
- KAJITA, T., et 7 al. 1998. *Molecular phylogeny of Dipterocarpaceae (as 'Dipterocarpaceae'! Ed.) in Southeast Asia based on nucleotide sequences of matK, trnL intron, and trnL-trnF intergenic spacer region in chloroplast DNA*. Molec. Phylogen. & Evol. 10: 202–209, illus. — 10 gen, 16 spp studied.
- KATZ-DOWNIE, D.S., et 6 al. 1999. *Towards a molecular phylogeny of Apiaceae subfamily Apioideae: additional information from nuclear ribosomal DNA ITS sequences*. Pl. Syst. Evol. 216: 167–195, illus. — Many phytochemical and morphological characters very homoplastic, systems based on these are unsatisfactory; present study supports results from serological investigations.
- KEENER, C.S., J.L. REVEAL, B.E. DUTTON & S. ZIMAN. 1999. *A list of suprageneric names in Ranunculaceae (Magnoliophyta)*. Taxon 48: 497–506.

- *KENG, H., S.C. CHIN & H.T.W. TAN. 1998. *The concise flora of Singapore. Volume 2: Monocotyledons*. xix, 215 pp, illus. Singapore University Press, National Parks Board. ISBN 9971-69-207-4. — See reviews.
- KERDELHUÉ, C., I. LE CLAINCHE & J.-Y. RASPLUS. 1999. *Molecular phylogeny of the Ceratosolen species pollinating Ficus of the subgenus Sycomorus sensu stricto: biogeographical history and origins of the species-specificity breakdown cases*. Molec. Phylogen. & Evol. 11: 401–414, illus.
- KHANAM, M. 1995. *Menyanthaceae*. Fl. Bangladesh 49: 1–8, illus.
- KIEHN, M., E. HELLMAYR & A. WEBER. 1998 ('1997'). *Chromosome numbers of Malayan and other palaeotropical Gesneriaceae. I. Tribe Didymocarpeae*. Beitr. Biol. Pfl. 70: 407–444, illus.
- KIEHN, M. & A. WEBER. 1998 ('1997'). *Chromosome numbers of Malayan and other palaeotropical Gesneriaceae. II. Tribes Trichosporeae, Cyrtandreae and Epithemateae*. Beitr. Biol. Pfl. 70: 445–470, illus.
- KIEW, R. 1998. *Name changes for Malesian species of Chionanthus (Oleaceae)*. Blumea 43: 471–477. — Reduction of Linociera; 14 new comb; notes.
- KIEW, R. 1998. *Niche partitioning in limestone Begonias in Sabah, Borneo, including two new species*. Gard. Bull. Singapore 50: 161–169, illus.
- KIEW, R. 1998. *The unique elements of the limestone flora of Batu Tengar Cave (Segarong), Sabah, Malaysia*. Gard. Bull. Singapore 50: 185–196, illus. — Notes on Begonia keithii spec. nov., Euphorbia lacei, Impatiens winkleri, Paraboea madaiensis.
- *KIEW, R. 1998. *The seed plant flora of Fraser's Hill, Peninsular Malaysia, with special reference to its conservation status*. Res. Pamphl. FRIM 121: vi, 121 pp, illus. ISBN 983-9592-91-2. RM 30.00. — Area description; checklist with distributional, ecological notes on 952 spp, c. 35% endemic to Malaysia, 36 spp (13 extinct) to Fraser's Hill.
- KIEW, R., S. MADHAVAN & H. SELAMAT. 1998 ('1997'). *Baccaurea scortechinii distinct from B. parviflora (Euphorbiaceae)*. Gard. Bull. Singapore 49: 37–47, illus.
- KIEW, R., A. WEBER & B.L. BURTT. 1998 ('1997'). *Three new genera of Gesneriaceae from limestone of Peninsular Malaysia*. Beitr. Biol. Pfl. 70: 383–403, illus. — Emarhendia (for M.R. Henderson), Senyumia (from G. Senyum), Spelaeanthus ('cave flower'); key to related genera.
- KIM, Y.-D. & R.K. JANSEN. 1998. *Chloroplast DNA restriction site variation and phylogeny of the Berberidaceae*. Amer. J. Bot. 85: 1766–1778, illus.
- KING, R.M. & H. ROBINSON. 1970. *Studies in the Eupatorieae (Compositae). XXVI. A new genus Austroeupatorium*. Phytologia 19: 433–434. — Type species Austroeupatorium inuli(!)folium, introduced in Malesia.
- @KIRKUP, D., J. DRANSFIELD & H. SANDERSON. 1999. *The rattans of Brunei Darussalam, interactive key on CD-ROM*. Department of Forestry, Brunei Darussalam & Royal Botanic Gardens, Kew. ISBN 1-900347-68-7. — LuCID files on 80 species (Palmae).

- *KLAASSEN, R. 1999. *Wood anatomy of the Sapindaceae*. IAWA J., Suppl. 2: 1–214, illus. — 2 main groups, 4 subgroups more or less identical with present tribes; Dodo-naeoideae to be diminished with genera going to other tribes; Aceraceae, Hippocastanaceae to be included in re-modelled Cupanieae.
- KLOPPENBURG, D. 1999. *Hoya blashernaezii Kloppenburg*. Fraterna 12: 9–11, illus. — From Catanduanes, The Philippines (Asclepiadaceae).
- KOCHUMMEN, K.M. 1998. *New species and varieties of Moraceae from Malaysia*. Gard. Bull. Singapore 50: 197–219. — Artocarpus (3 new sp, 1 new var), Ficus (14, 7).
- KOKUBUGATA, G. & T. KONISHI. 1998. *Comparison of chromosome number and karyotype between Strongylodon lucidus and S. macrobotrys (Leguminosae)*. Ann. Tsukuba Bot. Gard. 17, Sp. Issue: 51–54, illus. — *S. lucidus* 2n = 22, *S. macrobotrys* 2n = 28.
- KOKUBUGATA, G. & T. YUKAWA. 1998. *Cytotaxonomical studies of the Orchidaceae from Vanuatu and adjacent regions: I*. Ann. Tsukuba Bot. Gard. 17, Sp. Issue: 69–74, illus.
- KONISHI, T., et 6 al. 1998. *A list of live specimens from Vanuatu, collected in 1996 and 1997*. Ann. Tsukuba Bot. Gard. 17, Sp. Issue: 23–50.
- KOYAMA, H. 1998. *Taxonomic studies in the Compositae of Thailand 12. Vernonia Schreb. sect. Tephrodes DC. and sect. Cyanopis Bl.* Bull. Nat. Sc. Mus., Tokyo B, 24: 109–115, illus. — 5 taxa, 2 new records.
- *KUBITZKI, K. (Ed.). 1998. *The families and genera of vascular plants. III. Flowering plants. Monocotyledons: Alismatanae and Commelinanae (except Gramineae)*. x, 511 pp, illus. Springer-Verlag, Berlin, etc. ISBN 3-540-64061-4. — Introduction to monocots; treatment of the families in alphabetical order with interdictions, key to genera, description of genera, selected bibliography.
- *KUBITZKI, K. (Ed.). 1998. *The families and genera of vascular plants. III. Flowering plants. Monocotyledons: Lilianae (except Orchidaceae)*. x, 478 pp, illus. Springer-Verlag, Berlin, etc. ISBN 3-540-64060-6. — See above.
- KUOH, C.-S., L.-C. HSIAO & G.-I. LIAO. 1998. *Comparison of upper floret development in bisexual and male spikelets of Thuarea involuta (Gramineae) with scanning electron microscopy*. Taiwania 43: 235–245, illus. — Arrest of development of gynoecium causes male spikelets.
- LAFERRIÈRE, J.E. 1997. *Transfer of specific and infraspecific Old World taxa from Mahonia to Berberis*. Fragm. Flor. Geobot. 42: 349–354. — Published on 19 December 1997, but earlier in Bot. Dzh. 82/9 (19 November; see also Fl. Males. Bull. 12: 207), later in Acta Bot. Ind. 25, see next; the three NOT exactly identical! (Berberidaceae).
- LAFERRIÈRE, J.E. 1998 ('1997'). *Transfer of specific and infraspecific taxa from Mahonia to Berberis*. Acta Bot. Ind. 25: 243–246.
- LAKSHMINARASIMHAN, P., L.N. RAY & S.P. MATHEW. 1997 ('1992'). *Rhodamnia dumentorum (DC.) Merr. & Perry (Myrtaceae) – a new record for India from Andaman Islands*. Bull. Bot. Surv. India 34: 217–219, illus.

- LARSEN, K. & J. MOOD. 1998. *Siamanthus*, a new genus of Zingiberaceae from Thailand. Nordic J. Bot. 18: 393–397, illus. — *Orchidantha borneensis* (Lowiaceae) found back near Kuching.
- LAUBENFELS, D.J. DE & F. ADEMA. 1998. A taxonomic revision of the genera *Cycas* and *Epicycas* gen. nov. Blumea 43: 351–400, illus. — *Cycas* with 4 new subgen, 30 spp, 2 new; *Epicycas* 4 spp, 1 new; description of family; keys; synonymy, descriptions; list of collections.
- LAUMONIER, Y. & C. LEGG. 1998. *Le suivi des feux de 1997 en Indonésie*. Bois & Forêts Trop. 258: 5–18, illus. (In French, Engl. summ.). — Monitoring of the 1997 fires in Indonesia; maps.
- LEAL, F. & G. COPPENS D'ECKENBRUGGE & B.K. HOLST. 1998. *Taxonomy of the genera Ananas and Pseudananas – An historical overview*. Selbyana 19: 227–235, illus. — (Bromeliaceae).
- LEEUWENBERG, A.J.M. 1999. *Series of revisions of Apocynaceae. XLVII. The genus Cerbera L.* Wageningen Agric. Univ. Papers 98-3: 1–64, illus. — 6 spp, 1 new, 1 new comb; key; synonymy, descriptions, notes; collector's index.
- LEHT, M. 1996. *Cladistic analysis of the data published in "Monographie der Gattung Potentilla" by T. Wolf*. Proc. Estonian Acad. Sc., Biol. 45: 171–180, illus. — Analysis of a 1908 revision; since then many new taxa have been described, so this seems an exercise in futility (Rosaceae).
- LEI, L.-G. & H.-X. LIANG. 1998. *Floral development of dioecious species and trends of floral evolution in Piper sensu lato*. Bot. J. Linn. Soc. 127: 225–237, illus. — (Piperaceae).
- LEI, L.-G. & H.-X. LIANG. 1998. *Pollen morphology and its taxonomic significance of Piperaceae*. Acta Bot. Yunn. 20: 429–433, illus. (In Chinese, Engl. summ.). — Useful at generic level.
- LES, D.H., et 5 al. 1999. *Phylogeny, classification and floral evolution of water lilies (Nymphaeaceae, Nymphaeales): a synthesis of non-molecular, rbcL, matK, and 18S rDNA data*. Syst. Bot. 24: 28–46, illus.
- LESKINEN, E. & C. ALSTRÖM-RAPAPORT. 1998. *Molecular phylogeny of Salicaceae and closely related Flacourtiaceae: evidence from 5.8 S, ITS 1 and ITS 2 of the rDNA*. Pl. Syst. Evol. 215: 209–227, illus. — Closely related but distinct.
- LETOURNEAU, D.K. & P. BARBOSA. 1999. *Ants, stem borers and pubescence in Endospermum in Papua New Guinea*. Biotropica 31: 295–302, illus. — Less damage when ants are present; density of pubescence influenced by borer damage; effect of hairs on borers.
- *LEWMANOMONT, K. & H. OGAWA. 1995. *Common seaweeds and seagrasses of Thailand*. vi, 164 pp, illus. Fac. Fisheries, Kasetsart Univ. ISBN 974-553-137-5. — Selected examples depicted and described; keys; glossary.

- LI, A. 1998. *Polygonaceae*. Fl. Reipubl. Pop. Sin. 25/1: x, 232 pp, illus. — 13 gen, 210 spp.
- LI, C. 1998. *Vitaceae*. Fl. Reipubl. Pop. Sin. 48/2: 208 pp, illus. (In Chinese). — 9 gen (incl. Leea), 159 spp.
- LI, J., A.L. BOGLE & A.S. KLEIN. 1999. *Phylogenetic relationship of the Hamamelidaceae inferred from sequences of internal transcribed spacers (ITS) of nuclear ribosomal DNA*. Amer. J. Bot. 86: 1027–1037, illus. — Three major clades; within Hamamelioideae another 3; present tribal classification largely not supported.
- LIEDE, S. 1999. *Subtribes and genera of Asclepiadaceae: reply to Bruyns's response*. Taxon 48: 27–29.
- *LIESE, W. 1998. *The anatomy of bamboo culms*. INBAR Techn. Rep. 18: 204 pp, illus. International Network for Bamboo and Rattan, Anyuan Building 10, Anhiui Beili, Asian Games Village, Chaoyang Distr., Beijing, PR China. ISBN 81-86247-26-2. — Gross anatomy, structure of the internode and node, subterranean stem, structural modifications, taxonomic implications, biological resistance.
- LIM, S.P. & R. KIEW. 1998 ('1997'). *Gazetteer of limestone localities in Sabah, Borneo*. Gard. Bull. Singapore 49: 111–118, illus.
- LING, L.K. (Ed.). 1998. *Theaceae (2) Ternstroemioidae*. Fl. Reipubl. Pop. Sin. 50/1: vi, 213 pp, illus. (In Chinese). — 5 gen, 125 spp.
- LING, Y.-R. 1982. *A revision and addition of Olacaceae from China and a primitive discussion for the taxonomy and floristics of the family*. Bull. Bot. Res. 2: 7–36, illus. (In Chinese, Engl. summ.). — 1 new name, 1 new subfam; notes on Schoepfia; origin in Cretaceous in S America.
- LISTON, A., W.A. ROBINSON, D. PIÑERO & E.R. ALVAREZ-BUYLLA. 1999. *Phylogenetics of Pinus (Pinaceae) based on nuclear ribosomal DNA internal transcribed spacer region sequences*. Molec. Phylogen. & Evol. 11: 95–109, illus.
- LIU, C.-G., Y.-S. HU & J.-X. LIN. 1998. *Epidermal characters of rattan stems and their taxonomic implications*. Acta Phytotax. Sin. 36: 503–510, illus. (In Chinese, Engl. summ.). — Of taxonomic significance; Calamus distinct from Daemonorops (at least for Chinese spp) (Palmae).
- LIU, H.-Y. 1998. *An enumeration of Taiwan Boraginaceae*. Taiwania 43: 121–131. — Several Malesian; 2 new comb.
- LIU, J.-Q. & S.-J. LIN. 1999. *Achene microstructure in Pycneus, Gahnia and Schoenus (Cyperaceae) from China and their taxonomic significance*. J. Jap. Bot. 74: 150–160, illus. — Useful at specific level.
- LIU, N. & T. WU. 1999. *Notes on Curcuma in China*. J. Trop. & Subtrop. Bot. 7: 146–150 (In Chinese, Engl. summ.). — Reduction of names, e.g. to C. phaeocaulis; key to 12 spp.

- LOO, A.H.B. & H.T.W. TAN. 1998 ('1997'). *The angiosperm flora of Singapore, part 6. Caesalpiniaceae*. Gard. Bull. Singapore 49: 55–106, illus. — 10 gen, 20 spp; key, synonymy, descriptions, notes.
- LÓPEZ, H.A., A.C. VEGETTI & A.M. ANTON. 1998. *Estructura de la inflorescencia en especies de Boerhavia L. subgénero Boerhavia (Nyctaginaceae)*. Kurtziana 26: 117–128, illus. (In Spanish, Engl. summ.).
- LOWRY, A. & J.G. CONRAN. 1998. *A taxonomic revision of the genus Byblis (Byblidaceae) in northern Australia*. Nuytsia 12: 59–74, illus. — 4 spp, 2 new; the only Malesian collection in L from the environment of Merauke cannot be identified, as it is in fruit, with seeds 0.8–1 mm long, and the calyx is glandless, so appears not to belong to any of the 4 here.
- LÜCKEL, E., H. FESSEL & J. RÖTH. 1998. *Paphiopedilum rotschildianum (Rchb.f.) Stein*. Orchidee 49: 193–195, illus. (In German, Engl. summ.). — Description, origin, habitat (Orchidaceae).
- LÜCKEL, E., H. FESSEL & J. RÖTH. 1998. *Flickingeria junctiloba, eine neue Art, und Beobachtungen an Arten der Gattung Flickingeria Hawkes von den Philippinen mit einer Umkombination*. Orchidee 49: 251–254, illus. (In German, Engl. summ.). — List of Philippine spp; *Flickingeria candoonense* comb nov, invalid (Orchidaceae).
- MABBERLEY, D.J. 1998. *Notes on Australian Meliaceae*. Telopea 8: 47–48. — E.g. *Dysoxylum gaudichaudianum*.
- MACK, A.L., K. ICKES, J.H. JESSEN, B. KENNEDY & J.R. SINCLAIR. 1999. *Ecology of Aglaia mackiana (Meliaceae) seedlings in a New Guinea rain forest*. Biotropica 31: 111–120, illus.
- MAESEN, L.J.G. VAN DER. 1998. *Revision of the genus Dunbaria Wight & Arn. (Leguminosae–Papilionoideae)*. Wageningen Agric. Univ. Papers 98-1: 1–109, illus. — 20 spp, 1 new, 6 new comb; descriptions, key, synonymy.
- MAGALLÓN, S., P.R. CRANE & P.S. HERENDEEN. 1999. *Phylogenetic pattern, diversity, and diversification of Eudicots*. Ann. Missouri Bot. Gard. 86: 297–372, illus. — E.g. earliest occurrence of the various groups and families.
- MAINA, V., P.S.N. RAO & B.K. SINHA. 1998. *A new record of Thrixspermum merguense (Hook.f.) Kuntze (Orchidaceae) from Nicobar Islands*. J. Bombay Nat. Hist. Soc. 95: 375–376.
- MANILAL, K.S. 1997. *On the trail of Rheedeian specimens*. Rheedeia 7: 133–141. — Specimens reported for MW not Rheedeian.
- MANNA, M.K. & D.C.S. RAU. 1997 ('1994'). *Careya Roxb. in India*. Bull. Bot. Surv. India 36: 225–227, illus. — 2 spp; key, descriptions (Lecythidaceae).
- MANNENS, P. 1998. *Paraphalaenopsis*. Orchideeën 6/98: 106–107, illus. (In Dutch, translated from Ochika, November 1997). — Notes on 4 species (Orchidaceae).

- MANZANO, A.R., A.A. RODRÍGUEZ NODALS, M.I. ROMÁN & M.J. MANZANO. 1998. *Caracteres morfológicos, citogenéticos y bioquímicos en la clasificación infraespecífica de Colocasia esculenta (L.) Schott.* Rev. Jard. Bot. Nac. 19: 113–120, illus. (In Spanish, Engl. summ.). — Karyotype defines groups, flesh colour of fruits defines subgroup, but this disagrees with isozyme patterns (Araceae).
- MAST, A.R. 1998. *Molecular systematics of subtribe Banksiinae (Banksia and Dryandra; Proteaceae) based on cpDNA and nrDNA sequence data: implications for taxonomy and biogeography.* Austr. Syst. Bot. 11: 321–342, illus. — Banksia paraphyletic.
- MAT-SALLEH, K. & A. LATIFF. 1998. *Studies in Malaysian Annonaceae. I. A revision of Woodiellantha.* Sandakania 11: 49–54, illus. — 2 spp, 1 new; key; descriptions.
- *MATHEW, P. & M. SIVADASAN (Eds.). 1998. *Diversity and taxonomy of tropical flowering plants (Professor K.S. Manilal Commemorative Volume).* xii, 330 pp, illus. Mentor Books, Calicut, ISBN 81-900324-3-7. — Several papers here cited under authors.
- MATHEW, S.P. 1998. *A supplementary report on the flora and vegetation of the Bay Islands, India.* J. Econ. Tax. Bot. 22: 249–272. — Andaman & Nicobar Isl.
- MATHEW, S.P. & K.C. MALICK. 1997 ('1992'). *A note on the occurrence of Pinanga andamanensis Becc. from Andaman Island, India.* Bull. Bot. Surv. India 34: 227–230, illus. — (Palmae).
- MATTHEWS, M.L., J. GARDNER & M. SEDGLEY. 1999. *The proteaceous pistil: morphological and anatomical aspects of the pollen presenter and style of eight species across five genera.* Ann. Bot. 83: 385–399, illus. — (Proteaceae).
- MAYO, S.J., J. BOGNER & P.C. BOYCE. 1998. *The genera of Araceae Project.* In: H. Li, et al., Acta Bot. Yunn., Suppl. 10: 4–11, illus.
- MCCARTHY, P.M. (Ed.). 1998. *Ferns, gymnosperms and allied groups.* Fl. Austr. 48: xxii, 766 pp, illus.
- MCDADE, L.A. & M.L. MOODY. 1999. *Phylogenetic relationships among Acanthaceae: evidence from noncoding trnL-trnF chloroplast DNA sequences.* Amer. J. Bot. 86: 70–80, illus.
- MENDUM, M. 1998. *Notes on Aeschynanthus (Gesneriaceae) from Seram.* Edinburgh J. Bot. 55: 359–365, illus. — 2 new spp, 1 new comb.
- MERBACH, M.A., G. ZIZKA, B. FIALA, D. MERBACH & U. MASCHWITZ. 1999. *Giant nectaries in the peristome thorns of the pitcher plant Nepenthes bicalcarata Hook.f. (Nepenthaceae): anatomy and functional aspects.* Ecotropica 5: 45–50, illus. — Nectaries could be preferentially exploited by the ant partner, Camponotus schmitzi (that also fishes in the pitchers!: Clarke & Kitching, 1995; cf. Fl. Males. Bull. 11/8: 541).
- MERZ, J. 1998. *Rediscovery of an outstanding Nepenthes: N. aristolochioides (Nepenthaceae).* Carn. Pl. Newsl. 27: 68–72, illus., frontisp. — 'C Sumatra', localities withheld from 'too enthusiastic collectors'; description, speculations on function of pitchers.

- MERZ, J., P. MANN, T. ALT & T. SMITH. 1998. *Nepenthes sibuyanensis*, a new *Nepenthes* from Sibuyan, a remote island of the Philippines. Carn. Pl. Newsl. 27: 18–23, illus. — See also P. Mann, l.c. 6–11 for account on its discovery (Nepenthaceae).
- MEVE, U. & S. LIEDE. 1999. *Asclepiadoideae and Periplocoideae (Apocynaceae s.l.) of the Thunberg herbarium*. Nordic J. Bot. 19: 129–138, illus. — 141 specimens identified.
- MIA, M.M. 1996. *Combretaceae*. Fl. Bangladesh 50: 1–48, illus.
- MIA, M.M. 1996. *Menispermaceae*. Fl. Bangladesh 51: 1–44, illus.
- MIDDLETON, D.J. 1999. *Apocynaceae*. Fl. Thail. 7: 1–153, illus. — 42 gen, 125 spp.
- MING, T.-L. 1999. A systematic synopsis of the genus *Camellia*. Acta Bot. Yunn. 21: 149–159, illus. (In Chinese, Engl. summ.). — 2 subgen, 14 sect, 119 spp; key; 16 new comb; 4 new taxa; unannotated checklist (Theaceae).
- MITRA, D. 1997 ('1993'). Some notes on Indian *Annonaceae*. Bull. Bot. Surv. India 35: 117–118. — New comb in *Desmos*, *Fissistigma*, new sp in *Goniothalamus*.
- MOLS, J.B. 1998. Revision and phylogeny of the Asiatic genus *Phaeanthus* Hook.f. & Thomson. *Annonaceae Newsl.* 12: 57–61. — 8 spp; progress report.
- MOLVRAY, M., P.J. KORES & M.W. CHASE. 1998. Phylogenetic relationships within *Korthalsella* (Viscaceae) based on nuclear ITS and plastid trnL-F sequence data. Amer. J. Bot. 86: 249–260, illus.
- MOMOSE, K., et 9 al. 1998. Pollination biology in a lowland dipterocarp forest in Sarawak, Malaysia. I. Characteristics of the plant-pollinator community in a lowland dipterocarp forest. Amer. J. Bot. 85: 1477–1501, illus. — 270 plant species studied over 4.5 years; 12 types of pollination systems, especially by social bees (32%) and beetles (20%); long-distance-specific pollinators more uncommon than in Neotropics.
- MONDAL, M.S. 1997 ('1994'). Pollen morphology and taxonomy of *Connarus andamanicus* Mondal (*Connaraceae*). Bull. Bot. Surv. India 36: 189–193, illus.
- MORAN, J.A., W.E. BOOTH & J.K. CHARLES. 1999. Aspects of pitcher morphology and spectral characteristics of six Bornean *Nepenthes* Pitcher plant species: implications for prey capture. Ann. Bot. 83: 521–528, illus. — (Nepenthaceae).
- MORTON, C.M., G.T. PRANCE, S.A. MORI & L.G. THORBURN. 1998. Recircumscription of the *Lecythidaceae*. Taxon 47: 817–827, illus. — Paraphyletic, part to *Scytopetalaceae*.
- MUDGAL, V., K.K. KHANNA & P.K. HAJRA (Eds.). 1997. *Flora of Madhya Pradesh. 2. Angiosperms (Primulaceae to Ceratophyllaceae)*. Fl. India Ser. 2: 681 pp, illus.
- NAGAMASU, H. & S. SAKAI. 1999. *Orchidantha inouei* (Lowiaceae), a new species from Borneo. Nordic J. Bot. 19: 149–152, illus.
- NELSON, E.C. 1982. The influence of Leiden on botany in Dublin in the early eighteenth century. Huntia 4: 133–145, illus.

- NEMIROVICH-DANCHENKO, E.N. & T.A. LOBOVA. 1998. *The seed coat structure in some representatives of the order Hydrangeales*. Bot. Dzh. 83/6: 1–9, illus. (In Russian, Engl. summ.). — Specific for all genera studied.
- NEPOKROEFF, M., B. BREMER & K.J. SYTSMAN. 1999. *Reorganization of the genus Psychotria and tribe Psychotrieae (Rubiaceae) inferred from ITS and rbcL sequence data*. Syst. Bot. 24: 5–27, illus. — Paraphyletic; to be restricted to subgen Psychotria, Tetrameræ and subtribe Hydnohyptinae.
- *NG, F. & G. HAMBALI. 1998. *Bogor, the Botanic Garden*. 59 pp, illus. Private publication. Rp. 20,000. — Pocket-sized colourful guide to the garden and its history; proceedings are contributions to the support of the Garden; a very useful little booklet for the general foreign tourist; I do not know whether Indonesian/Japanese editions exist.
- NGUYEN, H.H. 1994. *The Cucurbitaceae Juss. in the flora of Vietnam*. Tap Chi Sinh Hoc 16/4: 26–30 (In Vietnamese, Engl. summ.). — Enumeration of 23 gen, 49 taxa.
- NGUYEN, H.H. 1994. *The taxa of family Theaceae D. Don in the flora of Vietnam*. Tap Chi Sinh Hoc 16/4: 87–93 (In Vietnamese, Engl. summ.). — Enumeration of 10 gen, 101 taxa.
- NGUYEN, K.D. 1994. *The taxa of family Lauraceae Juss. in the flora of Vietnam*. Tap Chi Sinh Hoc 16/4: 31–46 (In Vietnamese, Engl. summ.). — Enumeration of 21 gen, 246 taxa, 1 new comb.
- NGUYEN, K.K. 1994. *The taxa of family Cyperaceae Juss. in the flora of Vietnam*. Tap Chi Sinh Hoc 16/4: 116–139 (In Vietnamese, Engl. summ.). — Enumeration of 27 gen, 303 taxa.
- NGUYEN, N.T., H.D. VU & P.C. VAN WELZEN. 1998. *A revision of the Indochinese-Malesian genus Strophoblachia (Euphorbiaceae)*. Blumea 43: 479–487, illus. — 1 sp; synonymy, description, list of specimens.
- NGUYEN, Q.B. 1994. *The genera Alpinia Roxb. and Kaempferia L. (Zingiberaceae Lindl.) in the flora of Vietnam*. Tap Chi Sinh Hoc 16/4: 143–145 (In Vietnamese, Engl. summ.). — Enumeration of 31 taxa.
- NGUYEN, T.B. 1994. *The taxa of family Annonaceae Juss. in the flora of Vietnam*. Tap Chi Sinh Hoc 16/4: 1–15 (In Vietnamese, Engl. summ.). — Enumeration of 29 gen, 173 taxa, 4 new comb.
- NGUYEN, T.B. 1994. *The Celastraceae R. Br. in the flora of Vietnam*. Tap Chi Sinh Hoc 16/4: 20–25 (In Vietnamese, Engl. summ.). — Enumeration of 14 gen, 78 taxa, 1 new comb.
- NGUYEN, T.B. 1994. *The Loranthaceae Juss. in the flora of Vietnam*. Tap Chi Sinh Hoc 16/4: 47–54 (In Vietnamese, Engl. summ.). — Enumeration of 8 gen, 44 taxa, 38 new comb in Helixanthera, Taxillus.
- NGUYEN, T.D. 1994. *Family Polygonaceae Juss. in the flora of Vietnam*. Tap Chi Sinh Hoc 16/4: 76–79 (In Vietnamese, Engl. summ.). — Enumeration of 10 gen, 52 taxa.

- NGUYEN, T.D. 1994. *The Amaryllidales in the flora of Vietnam*. Tap Chi Sinh Hoc 16/4: 104–107, 139 (In Vietnamese, Engl. summ.). — Enumeration of 5 fam, 22 gen, 50 taxa.
- NGUYEN, T.D. 1994. *The Smilacaceae Vent. in the flora of Vietnam*. Tap Chi Sinh Hoc 16/4: 140–142, 145 (In Vietnamese, Engl. summ.). — Enumeration of 2 gen, 35 taxa.
- NGUYEN, T.H. 1994. *The taxa of family Moraceae Juss. in the flora of Vietnam*. Tap Chi Sinh Hoc 16/4: 55–66 (In Vietnamese, Engl. summ.). — Enumeration of 11 gen, 118 taxa.
- NGUYEN, T.H. 1994. *The Pinophyta (Gymnospermae) in the flora of Vietnam*. Tap Chi Sinh Hoc 16/4: 146–154 (In Vietnamese, Engl. summ.). — Enumeration of 8 fam, 19 gen, 51 taxa.
- NGUYEN, V.D. 1994. *The Araceae Juss. in the flora of Vietnam*. Tap Chi Sinh Hoc 16/4: 108–115 (In Vietnamese, Engl. summ.). — Enumeration of 28 gen, 134 taxa.
- NIKITIN, V.V. 1998. *The system of the genus Viola (Violaceae) of eastern European and Caucasian flora*. Bot. Dzh. 83/3: 123–137, illus. (In Russian, Engl. summ.). — Supra-specific taxa.
- NORDENSTAM, B. 1998. *Advances in Compositae systematics*. In: P. Mathew & M. Sivasadan (Eds.), *Diversity and taxonomy of tropical flowering plants*: 113–133. — Overview of current state of affairs.
- *NORSTOG, K.J. & T.J. NICHOLLS. 1997. *The biology of the cycads*. xi, 363 pp, illus. Cornell University Press, Ithaca (NY), ISBN 0-8014-3033-X. — (Nearly) all you wanted to know: general features, genera (key), relationships; anatomy; reproduction; physiology, growth; population biology, pollination; fossils; genera, species (no keys); glossary; references; index.
- NOVACEK, M.J. 1999. *100 million years of land vertebrate evolution: the Cretaceous / early Tertiary transition*. Ann. Missouri Bot. Gard. 86: 230–258, illus.
- NOWICKE, J.W., M. TAKAHASHI & G.L. WEBSTER. 1999. *Pollen morphology, exine structure and systematics of Acalyphoideae (Euphorbiaceae). Part 2. Tribes Agrostistachydeae (Agrostistachys, Pseudagrostistachys, Cyttaranthus, Chondrostylis), Chrozophoreae (Speranskia, Caperonia, Philyra, Ditaxis, Argythamnia, Chiropetalum, Doryxylon, Sumbaviopsis, Thyrsanthera, Melanolepis, Chrozophora), Caryodendreae (Caryodendron, Discoglypsemna, Alchorneopsis), Bernardieae (Bernardia, Necepsia, Paranecepsia, Discocleidion, Adenophaedra), and Pycnocomae (Pycnocomia, Droceloncia, Argomuelleria, Blumeodendron, Podadenia, Prychopyxis, Botryophora)*. Rev. Palaeobot. & Palynol. 105: 1–62, illus. — Bibliographers and students will be eternally grateful to the authors for this wonderfully comprehensive title.
- NOYES, R.D. & L.H. RIESENBERG. 1999. *ITS sequence data support a single origin for North American Astereae (Asteraceae) and reflect deep geographic divisions in Aster s.l.* Amer. J. Bot. 86: 398–412, illus. — Of wider implication than N America only.
- O'BRIAN, T.G., et 5 al. 1998. *What's so special about figs?* Nature 392: 668, illus. — Figs desirable to frugivores because of high calcium phosphate levels (Moraceae).

- O'BYRNE, P. 1998. *My ten favourite Diplocaulobium species*. Orchadian 12: 444–449, illus. — Popular account; cultivation (Orchidaceae).
- OGINUMA, K., R. KIAPRANIS, K. DAMAS & H. TOBE. 1999 ('1998'). *A cytological study of some plants from Papua New Guinea*. Acta Phytotax. Geobot. 49: 105–114, illus. — *Anisoptera thurifera* (2n = 22), *Carpodetus arboreus* (2n = 30), *Corynocarpus cribbianus* (2n = 44), *Drypetes* cf. *bordenii* (2n = 40), *Eriandra fragrans* (2n = 28), *Euroschinus papuanus* (2n = 48), *Holochlamys beccarii* (2n = 30), *Lamiodendron magnificum* (2n = 48), *Nothofagus grandis* (2n = 26), *Sericolea* sp. (2n = 30), *Stemonurus* cf. *ammui* (2n = 44), *Trimenia papuana* (2n = 16).
- OHASHI, H. 1998. *Dendrolobium (Leguminosae–Papilionoideae: Desmodieae) in the Philippines*. J. Jap. Bot. 73: 248–258, illus. — 4 spp, 1 new; key, synonymy, descriptions, notes.
- OHASHI, H. 1999. *The genera, tribes and subfamilies of Japanese Leguminosae*. Sc. Rep. Tohoku Univ. IV, Biol. 40: 18–268. — One new tribe, *Ohwia* new name for *Catenaria* Benth., 2 new comb.
- OHASHI, H., B. YE & T. NEMOTO. 1999. *Dendrobium arbuscula (Domin) H. Ohashi, D. umbellatum (L.) Benth. and a related new species (Leguminosae–Papilionoideae: Desmodieae)*. J. Jap. Bot. 74: 14–24, illus. — *D. papuacola* from Papua New Guinea; key; palynology.
- OKADA, G., H. TSUKAYA & Y. MORI. 1999. *A new species of Schismatoglottis (Schismatoglottidinae, Araceae) from West Kalimantan and observations of its peculiar bulbil development*. Syst. Bot. 24: 62–68, illus. — With bulbils on lower side of leaf blade.
- ORCHARD, A.E. (Ed.). 1999. *Species plantarum. Flora of the world. Introduction to the series*: iv, 91 pp, illus. — Introduction to an ambitious project to write an account of the world's vascular flora; Publication Section, Australian Biological Resources Study, GPO Box 636, Canberra ACT 2601, Australia.
See <http://www.anbg.gov.au/abrs/flora/spplant/spplant.htm>, or via the IOPI site.
- OYEN, L.P.A. & X.D. NGUYEN (Eds.). 1999. *Essential-oil plants*. PROSEA 19: 1–272, illus. Backhuys Publishers, Leiden. ISBN 90-5782-010-2.
- PACLT, J. 1998. *Proposal to conserve the name Celastrus (Celastraceae) as being of feminine gender*. Taxon 47: 879–880.
- PACLT, J. 1999. *Proposal to conserve the name Zizyphus (Rhamnaceae) with that spelling and with feminine gender*. Taxon 48: 173–174.
- PANDEY, A.K. 1997. *Taxonomy and conservation of diversity in the genus Trichosanthes (Cucurbitaceae)*. Rheede 7: 145–146. — Abstract.
- PANERO, J.L., R.K. NANSSEN & J.A. CLEVINGER. 1999. *Phylogenetic relationships of subtribe Ecliptinae (Asteraceae: Heliantheae) based on chloroplast DNA restriction site data*. Amer. J. Bot. 86: 413–427, illus. — Polyphyletic; 4 lineages; Galinsoginae also, 2 lineages.

- PATON, A. & O. RYDING. 1998. *Hanceola, Siphonocranion and Isodon and their position in the Ocimeae (Labiatae)*. Kew Bull. 53: 723–731, illus. — Incertae sedis; key to subtribes and these genera; 2 comb nov.
- PEDLEY, L. 1999. *Desmodium* Desv. (Fabaceae) and related genera in Australia: a taxonomic revision. Austrobaileya 5: 209–261, illus. — Follows Ohashi (1973); some new taxa and combinations, several Malesian; keys; synonymy, descriptions, notes.
- PENG, C.-I, C.-H. CHEN, W.-P. LEU & H.-F. YEN. 1998. *Pluchea* Cass. (Asteraceae: Inuleae) in Taiwan. Bot. Bull. Acad. Sin. 39: 287–297, illus. — 4 spp; *P. carolinensis* correct; key, synonymy, descriptions.
- PENG, C.-I, K.-F. CHUNG & W.-P. LEU. 1999. *Notes on three newly naturalized plants (Asteraceae) in Taiwan*. Taiwania 43: 320–329, illus. — *Ageratina adenophora*, *Galinsoga quadriradiata*, *Vernonia elliptica*; descriptions, beautiful plates.
- PENG, C.-I & K.-C. YANG. 1999. *Unwelcome naturalization of Chromolaena odorata (Asteraceae) in Taiwan*. Taiwania 43: 289–294, illus. — Taxonomic treatment, descriptions, notes.
- PERRETA, M. & A.C. VEGETTI. 1998. *Tipología de la inflorescencia en Leptochloa chloridiformis, Leptochloa virgata y Leptochloa mucronata (Poaceae)*. Kurtziana 26: 135–144, illus. (In Spanish, Engl. summ.).
- PIESSCHAERT, F., E. ROBBRECHT, A.D. POULSEN & E. SMETS. 1999. *Pyrene and pollen observations in the pantropical genus Geophila (Rubiaceae–Psychotrieae)*. Nordic J. Bot. 19: 93–100, illus. — Non-typical variety of *G. repens* needs recognition at specific level.
- PLUNKETT, G.M. & S.R. DOWNIE. 1999. *Major lineages within Apiaceae subfamily Apioideae: a comparison of chloroplast restriction site and DNA sequence data*. Amer. J. Bot. 86: 1014–1026, illus. — Araliaceae sister of Apiaceae; Hydrocotyloids paraphyletic; Saniculoideae, Apioideae monophyletic; 7 major clades, none really identical with current tribal concepts; compare Valiejo-Roman, K.M., et 5 al. (1998).
- POULSEN, A.D., J. MOOD & H. IBRAHIM. 1999. *Three new species of Etlingera (Zingiberaceae) from Borneo*. Nordic J. Bot. 19: 139–147, illus.
- PRATHER, L.A. 1999. *Systematics of Cobaea (Polemoniaceae)*. Syst. Bot. Monogr. 57: 81, illus. — 4 sect (2 new), 18 spp; palynology, biogeography; keys, synonymy, descriptions, notes.
- PUFF, C. & R. BUCHNER. 1998. *Lecananthus and Leucocodon, two genera to be added to the tribe Schradereae (Rubiaceae)*. Blumea 43: 265–286, illus. — Morphology, anatomy, palynology, emended tribal description, key.
- PUFF, C., R. BUCHNER & J. GREIMLER. 1998. *Revision of Schradera (Rubiaceae–Schradereae) in Malesia*. Blumea 43: 287–335, illus. — (Incl. Lucinaea), 20 taxa, 4 new, 2 nom nov; descriptions, key; synonymy; list of collections.
- PUFF, C., J. GREIMLER & R. BUCHNER. 1998. *Revision of Lecananthus (Rubiaceae–Schradereae)*. Blumea 43: 337–346, illus. — 3 spp, 1 new, 1 new comb; key; synonymy, descriptions; list of collections.

- PUTTOCK, C.F. 1999. *Revision of Atractocarpus (Rubiaceae: Gardenieae) in Australia and new combinations for some extra-Australian taxa*. Austr. Syst. Bot. 12: 271–309, illus. — 7 spp, 1 Malesian; key, synonymy, descriptions, notes; 4 Malesian *Randia* spp to *Atractocarpus*.
- PUTTOCK, C.F. & C.J. QUINN. 1999. *Generic concepts in Australian Gardenieae (Rubiaceae): a cladistic approach*. Austr. Syst. Bot. 12: 181–199, illus. — *Gardenia*, *Randia* polyphyletic; distinction in 5 gen; *Aidia*, *Atractocarpus*, *Kailarsenia* supported; *Pelagodendron*, *Trukia* reduced; *Rothmannia* confined to Africa.
- QIU, Y.-L., et 6 al. 1998. *Phylogenetics of the Hamamelidae and their allies: parsimony analyses of nucleotide sequences of the plastid gene *rbcL**. Intern. J. Pl. Sc. 159: 891–905, illus. — ‘Lower’ hamamelids (e.g. *Buxaceae*, *Platanaceae*) occupy critical positions at early stage of eudicot evolution in early Cretaceous (Albian).
- *RADCLIFFE-SMITH, A. 1998. *Three-language list of botanical name components*. 143 pp. Royal Botanic Gardens, Kew. ISBN 1-900347-52-0. — See reviews.
- RAHMAN, M.A. & C.C. WILCOCK. 1995. *Asclepiadaceae*. Fl. Bangladesh 48: 1–71, illus.
- RAINA, S.N. & Y. MUKAI. 1998. *Genomic in situ hybridization in Arachis (Fabaceae) identifies the diploid wild progenitors of cultivated (A. hypogaea) and related wild (A. monticola) peanut species*. Pl. Syst. Evol. 214: 251–262, illus. — *A. ipaensis*, *A. villosa*.
- RAINER, H. 1998. *Revision of Annona, preliminary results and subgeneric grouping*. Annonaceae Newsl. 11: 44–50, illus.
- RAJENDRAN, A. & P. DANIEL. 1997 (‘1992’). *The identity of Stachytarpheta indica auct. non (L.) Vahl (Verbenaceae)*. Bull. Bot. Surv. India 34: 165–173, illus. — Misapplied to *S. jamaicensis* or *S. urticifolia*; key; synonymy of these spp.
- RAJENDRAN, A. & P. DANIEL. 1997 (‘1993’). *A note on the species of Vitex L. (Verbenaceae) endemic to the Andamans*. Bull. Bot. Surv. India 35: 11–15, illus. — *V. diversifolia*, *V. wimberleyi*; synonymy, descriptions, notes.
- RAJENDRAN, A. & P. DANIEL. 1997 (‘1993’). *The status and affinities of Clerodendrum macrostachyum Turcz. (Verbenaceae)*. Bull. Bot. Surv. India 35: 121–123, illus. — Not Malesian.
- RAJU, D.C.S. & G.V.S. MURTHY. 1997 (‘1994’). *Sesbania roxburghii Merr. – a less known fodder plant*. Bull. Bot. Surv. India 36: 223–224, illus. — Synonymy, description; in Fl. Java as *S. javanica* Miq. (Leguminosae).
- RANI, S.R.M.S. & N.P. BALAKRISHNAN. 1998. *Notes on Trewia nudiflora L. (Euphorbiaceae) and its varieties*. J. Econ. Tax. Bot. 22: 345–352, illus. — 4 var, 2 new, 2 Malesian; key; synonymy, description; Indian specimens under taxa.
- RAO, A.N. 1997. *A new species and some new records of orchids from Arunachal Pradesh, India*. Rheedeia 7: 127–132, illus. — E.g. *Malaxis calophylla*, *Porpax elwesii* (Orchidaceae).

- RAO, A.N. 1998. *Notes on the genus Taeniophyllum (Orchidaceae) in Arunachal Pradesh with two new records to India*. Rheedea 8: 163–166. — *T. campanulatum*, *T. stella*.
- RAO, A.N. 1998. *Two monopodial orchid species new to Arunachal Pradesh (India)*. J. Econ. Tax. Bot. 22: 405–406. — *Cleisostoma striatum*.
- RAO, T.A. 1997 ('1994'). *Structure and taxonomic significance of leaf veinlets of the Rutaceae. I. Acronychia J.R. & G. Forst.* Bull. Bot. Surv. India 36: 9–17, illus.
- RAO, T.A. 1997 ('1994'). *Structure and taxonomic significance of leaf veinlets of the Rutaceae. II. Medicosma Hook.f. and Flindersia R. Br.* Bull. Bot. Surv. India 36: 82–90, illus.
- RAY, L.N., S.P. MATHEW & P. LAKSHMINARASIMHAN. 1998. *A preliminary report with enumeration of angiosperms from Shoalbay in South Andaman Island*. J. Econ. Tax. Bot. 22: 49–63. — 264 spp.
- REDDI, M.H. & R.R.V. RAJU. 1997. *Taxonomic study of the family Amaranthaceae in South India*. J. Econ. Tax. Bot. 21: 577–586. — Keys; synonymy; some uses.
- RENNER, S.S. 1998. *Phylogenetic affinities of Monimiaceae based on cpDNA gene and spaces sequences*. Persp. Pl. Ecol., Evol. & Syst. 1: 61–77, illus. — 2 major clades; Siparunaceae not distinct; Amborellaceae, Chloranthaceae excluded from Laurales.
- REVEAL, J.L., W.S. JUDD & R. OLMSTEAD. 1999. *Proposal to conserve the name Antirrhinaceae against Plantaginaceae (Magnoliophyta)*. Taxon 48: 182. — This is what you get when the Scrophulariaceae are dismembered and Callitrichaceae, Plantaginaceae can be considered to be part of one of the pieces with 110 genera with c. 1500 species.
- RIDSDALE, C.E. 1998. *Rubiaceae*. Rev. Handb. Fl. Ceylon 12: 141–343.
- RISCHER, H. 1995. *Observations on the Nepenthes species of Irian Jaya. part I: Nepenthes insignis Danser*. Carn. Pl. Newsl. 24: 75–77, illus. — (Nepenthaceae).
- RIVERA, G.L. 1998. *Tricomasy emergencias florales en especies de Bignoniaceae de Argentina*. Kurtziana 26: 99–115, illus. (In Spanish, Engl. summ.). — 12 types of trichomes and a curious emergence on the ovary.
- RODD, A.N. 1998. *Revision of Livistona (Arecaceae) in Australia*. Telopea 8: 49–153, illus. — 16 spp (2 Malesian), 5 new; history, morphology, nomenclature; key; synonymy, description, notes; selected specimens under taxa.
- ROUX, L.G. LE & E.A. KELLOGG. 1999. *Floral development and the formation of unisexual spikelets in the Andropogoneae (Poaceae)*. Amer. J. Bot. 86: 354–366, illus. — Uniform and similar to that in Paniceae.
- ROZEFELDS, A.C. 1998. *Stamen morphology in Nothofagus (Nothofagaceae)*. Intern. J. Pl. Sc. 159: 655–667, illus.
- ROZEFELDS, A.C. & A.N. DRINNAN. 1998. *Ontogeny and diversity in staminate flowers of Nothofagus (Nothofagaceae)*. Intern. J. Pl. Sc. 159: 906–922, illus.

- RUA, G.H. & F. WEBERLING. 1998 ('1995/1996'). *Growth form and inflorescence structure of Paspalum L. (Poaceae, Paniceae): a comparative morphological approach*. Beitr. Biol. Pfl. 69: 363–431, illus.
- RUDALL, P.J. & M.G. SAJO. 1999. *Systematic position of Xyris: flower and seed anatomy*. Int. J. Pl. Sc. 160: 795–808, illus. — Still unresolved.
- RUDALL, P.J., D.W. STEVENSON & H.P. LINDER. 1999. *Structure and systematics of Hanguana, a monocotyledon of uncertain affinity*. Austr. Syst. Bot. 12: 311–330, illus. — Commelinoid, sister to Zingiberales.
- RUGAYAH & W.J.J.O. DE WILDE. 1999. *Conspectus of Trichosanthes (Cucurbitaceae) in Malesia*. Reinwardtia 11: 227–280, illus. — 5 sect, 39 spp (25 new taxa); keys, also regional; synonymy.
- RYDING, O. 1998. *Phylogeny of the Leucas group*. Syst. Bot. 23: 235–247, illus.
- SAKAI, S. 1997. *Flora of Zingiberaceae and Costaceae in Lambir Hills National Park, Sarawak, Borneo*. In: T. Inoue & A.A. Hamid (Eds.), General flowering of tropical rainforests in Sarawak: 68–85, illus. — 45 spp, synonymy, diagnoses, notes.
- SAKAI, S. & T. INOUE. 1999. *A new pollination system: dung-beetle pollination discovered in Orchidantha inouei (Lowiaceae, Zingiberales) in Sarawak, Malaysia*. Amer. J. Bot. 86: 56–61, illus. & frontisp.
- SAKAI, S., K. MOMOSE, T. YUMOTO, M. KATO & T. INOUE. 1999. *Beetle pollination of Shorea parviflora (section Mutica, Dipterocarpaceae) in a general flowering period in Sarawak, Malaysia*. Amer. J. Bot. 86: 62–69, illus.
- SALMON, B.[R.] 1999. *Nepenthes mollis (Nepenthaceae – rediscovered?)*. Carn. Pl. Newsl. 28: 24–26, illus. — Description.
- SALMON, B.R. & R.G. MAULDER. 1995. *Two new species of Nepenthes from North Sumatra, Indonesia*. Carn. Pl. Newsl. 24: 77–85, illus. — (Nepenthaceae).
- SALMON, B.[R.] & R.[G.] MAULDER. 1999. *Notes on Nepenthes from northern Sumatra*. Carn. Pl. Newsl. 28: 14–18, illus. — 1 new sp; *N. miki* reinstated (Nepenthaceae).
- SANTISUK, T. 1998. *A systematic study of the genus Acer (Aceraceae) in Thailand*. Nat. Hist. Bull. Siam Soc. 46: 93–104, illus. — 6 spp; key; synonymy, no descriptions; notes.
- SARDIWINATA, J.S. 1998. *Macadamia integrifolia Maiden & Betche dan kerabatnya di Kebun Raya Indonesia*. Warta Kebun Raya 2/3: 39–46, illus. (In Indonesian, Engl. summ.). — Description; also of other spp in the Kebun Raya Bogor, Cibodas, Purwodadi (Proteaceae).
- SCHELLERICH-KAADEN, A.L. & U. MASCHWITZ. 1998. *Extrafloral nectaries on bamboo culm sheath auricles: observations on four Southeast Asian giant bamboo species (Poaceae: Bambusoideae)*. Sandakania 11: 61–68, illus.
- SCHÖNENBERGER, J. 1999. *Floral structure, development and diversity in Thunbergia (Acanthaceae)*. Bot. J. Linn. Soc. 130: 1–36, illus. — Development conform sub-generic divisions.

- SCHUITEMAN, A. 1998. *New species of Podochilus and Trichoglottis (Orchidaceae) from Borneo*. Blumea 43: 489–494, illus. — *Podochilus* 1 new sect name, 1 new sp; *Trichoglottis* 1 new sp.
- SCHUITEMAN, A. & P. ORMEROD. 1998. *Ophioglossella (Orchidaceae–Aeridinae), a new genus from Papua New Guinea*. Kew Bull. 53: 741–745, illus. — Key to related genera.
- SCOTT, R.C. & D.L. SMITH. 1998. *Cotyledon architecture and anatomy in the Acacieae (Leguminosae: Mimosoideae)*. Bot. J. Linn. Soc. 128: 15–44, illus. — Subgeneric taxa in *Acacia* supported; amalgamation of *Acacieae* and *Ingeae*.
- SETOGUCHI, H., T.A. OSAWA, J.-C. PINAUD, T. JAFFRÉ & J.-M. VEILLON. 1998. *Phylogenetic relationships within Araucariaceae based on rbcL gene sequences*. Amer. J. Bot. 85: 1507–1516, illus. — Congruent with present classification.
- SHI, S.-H., et 5 al. 1999. *Analysis of the ITS sequences of nuclear ribosomal DNA from Tetrathyrum (Hamamelidaceae) and the related genera and the phylogenetic significance*. Acta Bot. Yunn. 21: 87–95, illus. (In Chinese, Engl. summ.). — Similar to Endress (1989).
- *SIDIYASA, K., ARBAINSYAH & P.J.A. KEBLER. 1999. *List of collections stored at the Wanariset Herbarium, East Kalimantan, Indonesia*. 252 pp. The International MOFEC – Tropenbos-Kalimantan Project, Samboja. — Acronym: WAN; lists of 11,000+ specimens for 181 fam, 888 gen, 1911 spp with collectors; list of coll. localities.
- SIMON, B.K. & S.W.L. JACOBS. 1999. *Revision of the genus Sporobolus (Poaceae, Chloridoideae) in Australia*. Austr. Syst. Bot. 12: 375–448, illus. — 26 spp, 2 new (1 Malesian); *S. indicus* forms elevated to species; key; synonymy, descriptions, notes, some selected specimens under taxa, but full list can be downloaded from <http://www.publish.csiro.au/journals/ajb>
- SIMPSON, D.A. & T. KOYAMA. 1998. *Cyperaceae*. Fl. Thail. 6: 247–485, illus. — 29 gen, 248 spp, 19 endemic; glossary; keys; synonymy, descriptions.
- SINGH, D.B., P.V. SREEKUMAR & T.V.R.S. SHARMA. 1998. *Alligator apple Annona glabra in the Andamans*. J. Bombay Nat. Hist. Soc. 95: 370. — (Annonaceae).
- SINHA, B.K. & S.K. SRIVASTAVA. 1997 ('1993'). *A note on Celastrus paniculatus Willd. (Celastraceae) from Andaman Islands, India*. Bull. Bot. Surv. India 35: 115–116, illus.
- SIVADASAN, M. & V.A. JALEEL. 1998. *Rediscovery of Amorphophallus longistylus (Araaceae), a little known rare endemic species from Middle Andaman, India*. Rheedeia 8: 103–106, illus. — After 131 years.
- SNOW, N. 1998. *Caryopsis morphology of Leptochloa sensu lato (Poaceae, Chloridoideae)*. Sida 18: 271–282, illus. — *Diplachne* not distinct.
- SNOW, N. 1999. *Notes on generic concepts in Rhodomyrtus, Archirhodomyrtus, Decaspermum, and Pilidiostigma (Myrtaceae)*. Austr. Syst. Bot. Soc. Newsl. 99: 5–7. — Key.

- SNOW, N. & G. P. GUYMER. 1999. *Systematic and cladistic studies of Myrtella F. Muell. and Lithomyrtus F. Muell. (Myrtaceae)*. *Austrobaileya* 5: 173–207, illus. — Australian *Myrtella* to *Lithomyrtus*; *M. hirsutula* to *Kania*; *M. rostrata* to *Uromyrtus*; keys, descriptions.
- SONTAG, S. & A. WEBER. 1998 ('1997'). *Seed coat structure in Didissandra, Ridleyandra and Raphiocarpus (Gesneriaceae)*. *Beitr. Biol. Pfl.* 70: 179–190, illus. — Heterogeneous in *Raphiocarpus* suggesting artificial nature of genus.
- SPANGLER, R. E. & R. G. OLMSTEAD. 1999. *Phylogenetic analysis of Bignoniaceae based on the cpDNA gene sequences rbcL and ndhF*. *Ann. Missouri Bot. Gard.* 86: 33–46, illus. — *Paulownia* not to be included; *Tecomeae* paraphyletic, others monophyletic.
- SPENCE, P. J. 1997. *Notes on selected species of Dendrobium sect. Latouria*. *Lasianthera* 1: 153–172, illus. — 8 spp described and depicted (Orchidaceae).
- SREEKUMAR, P. V. 1997. *First record of Peristylus monticola (Ridl.) Seidenf. (Orchidaceae) for India from Andamans*. *J. Bomb. Nat. Hist. Soc.* 94: 441.
- SREEKUMAR, P. V. 1998. *Six new records of Ficus L. (Moraceae) from Andaman–Nicobar Islands*. *J. Econ. Tax. Bot.* 22: 199–203, illus. — *F. albipila*, *F. heterophylla*, *F. heteropleura*, *F. obscura* var. *borneensis*, *F. pubinervis*, *F. recurva*.
- SREEKUMAR, P. V. & M. K. V. RAO. 1997 ('1992'). *Planchonella firma (Miq.) Dubard (Sapotaceae) – a new record for India from the Great Nicobar Island*. *Bull. Bot. Surv. India* 34: 219–221, illus.
- SRIDITH, K. 1999. *Four new species, a new variety, and a status change in Argostemma (Rubiaceae) from Thailand*. *Nordic J. Bot.* 19: 171–178, illus. — Note on *A. laeve*.
- SRIVASTAVA, S. K. 1997 ('1992'). *A note on the rare Teijsmanniodendron pteropodum (Miq.) Bakh. (Verbenaceae) from the Great Nicobar Biosphere Reserve, India*. *Bull. Bot. Surv. India* 34: 224–227, illus.
- SRIVASTAVA, S. K. & B. K. SINHA. 1997 ('1992'). *Additions to the genus Elaeocarpus L. in Andaman–Nicobar Islands*. *Bull. Bot. Surv. India* 34: 221–223, illus. — *E. petiolatus* (Elaeocarpaceae).
- *STAFLEU, F. A. & E. A. MENNEGA. 1998. *Taxonomic literature, supplement V: Da–Di*. *Regn. Veg.* 135: viii, 432 pp. Koeltz Scientific Books. — One but last part of this monumental series.
- STARR, J. 1998. *The systematics of Uncinia (Cyperaceae) and its phylogenetic relationships within tribe Cariceae*. *Oxford Pl. Syst.* 6: 7–8, illus. — Outline of research project.
- STEANE, D. A., R. W. SCOTLAND, D. J. MABBERLEY & R. G. OLMSTEAD. 1999. *Molecular systematics of Clerodendrum (Lamiaceae): ITS sequences and total evidence*. *Amer. J. Bot.* 86: 98–107, illus. — Polyphyletic, 4 groups.

- STEPANSKY, A., I. KOVALSKI & R. PERL-TRYVES. 1999. *Intraspecific classification of melons (Cucumis melo L.) in view of their phenotypic and molecular variation*. Pl. Syst. Evol. 217: 313–332, illus. — Actually infra-specific variability: 2 subsp and loosely 7 cultivars (Cucurbitaceae).
- STRONG, M.T. & R. KRAL. 1999. *Proposal to conserve the name Scirpus miliaceus (Cyperaceae) with a conserved type*. Taxon 48: 387–389.
- *STUESSY, T.F. & M. ONO (Eds.). 1998. *Evolution and speciation of island plants*. xv, 358 pp, illus. Cambridge University Press, ISBN 0-521-49653-5 (hardback). — Proceedings of a symposium at the XV International Botanical Congress, Yokohama, with emphasis on Hawaii, Juan Fernandez, Bonin.
- STUPPY, W., P.C. VAN WELZEN, P. KLINRATANA & M.C.T. POSA. 1999. *Revision of the genera Aleurites, Reutealis and Vernicia (Euphorbiaceae)*. Blumea 44: 73–98, illus. — Aleurites (2 spp), Reutealis (1), Vernicia (3) distinct, monophyletic; morphology; keys; synonymy, descriptions, notes; index to collections.
- SU, Z. & W. LIAO. 1996. *On the theory of Cathaysian flora in relation to the origin of the flowering plants*. Guihaia 16/3: 219–224 (In Chinese, Engl. summ.). — Obviously, origin in Cathaysia.
- SUBRAMANIAM, A., V.S. KUMAR & P.V. SREEKUMAR. 1998. *Conservation of Barclaya longifolia Wallich (Barclayaceae) – a rare water lily in Andaman Islands, India*. J. Econ. Tax. Bot. 22: 363–366, illus.
- SUBUDHI, H.N. 1997. *Collection of Porteresia ('Porterelia', Ed.) coarctata Tateoka from Orissa coast and its conservation*. J. Econ. Tax. Bot. 21: 739–741. — Erroneously reported for Malaysia.
- SUN, H. & S.-K. CHEN. 1998. *The microstructural features of seed surfaces and its taxonomic significance in the genus Gynostemma*. Acta Bot. Yunn. 20: 309–311, illus. (In Chinese, Engl. summ.). — Highly significant, key (Cucurbitaceae).
- SWENSON, U. & K. BREMER. 1999. *On the circumscription of the Blennospermatinae (Asteraceae, Senecioneae) based on ndhF sequence data*. Taxon 48: 7–14, illus. — Abrotanella excluded.
- SWENSON, U., Y.Y. Ji & B.A. BOHM. 1999. *Flavonoid chemistry of Blennospermatinae, a trans-Pacific disjunct subtribe of the Senecioneae (Asteraceae)*. Pl. Syst. Evol. 216: 231–241, illus.
- SZLACHETKO, D.L. & H.B. MARGONSKA. 1998. *New species and new combinations in the genus Crepidium (Orchidaceae) from Australasia*. Adansonia III, 20: 341–349, illus.
- SZLACHETKO, D.L. & H.B. MARGONSKA. 1998. *Three new species of the genus Crepidium I (Orchidaceae) from South-east Asia*. Fragm. Flor. Geobot. 43: 7–12, illus.
- SZLACHETKO, D.L. & H.B. MARGONSKA. 1998. *Notes on the genus Crepidium (Orchidaceae, Malaxidinae), with descriptions of new species from northern Sumatra*. Fragm. Flor. Geobot. 43: 183–188, illus.

- SZLACHETKO, D.L., H.B. MARGONSKA & P. RUTKOWSKI. 1998. *Fingardia yamapensis*, a new species of *Orchidaceae* from New Guinea. *Fragm. Flor. Geobot.* 43: 3–6, illus. — Key to Australasian genera of *Malaxidinae*.
- TAKEUCHI, W. & J.J. PIPOLY III. 1998. *New flowering plants from southern New Ireland, Papua New Guinea*. *Sida* 18: 161–168, illus. — *Corsia*, *Psychotria*.
- TAN, H.T.W., et 7 al. 1998 ('1997'). *A botanical survey of Sungei Buloh Nature Park, Singapore*. *Gard. Bull. Singapore* 49: 15–35, illus. — 249 spp, mainly weeds.
- TANAKA, N. 1998. *Taxonomic notes on Ophiopogon of South Asia I*. *J. Jap. Bot.* 73: 301–313, illus. — *Ophiopogon longifolius* s.l. described.
- TANAKA, N. 1999. *Taxonomic notes on Ophiopogon of South Asia II*. *J. Jap. Bot.* 74: 25–33, illus. — *O. gracilipes* intermediate between *Ophiopogon* and *Peliosanthes*.
- TAWAN, C.S. 1999. *A new species of Gonostylus (Thymelaeaceae) from Sarawak, Borneo*. *Bot. J. Linn. Soc.* 130: 65–68, illus.
- TEO, S.P. 1997. *Taxonomic notes on Pouteria Aublet from Sabah and Sarawak*. *Sarawak Mus. J.* 72: 211–218. — 10 spp, 2 new comb, 4 described; keys (*Sapotaceae*).
- TEO, S.P. 1998 ('1997'). *Root hemi-parasitism in Malayan Olacaceae*. *Gard. Bull. Singapore* 49: 7–13, illus. — Present in *Olax psittacorum*, *Ximenia americana*, absent in *Erythralium scandens*, *Ochanostachys amentacea*, *Scorodocarpus borneensis*, *Strombosia javanica*.
- TEO, S.P. & N.W. HARON. 1999. *Anatomical studies in West Malaysian Icacinaceae*. *Austr. Syst. Bot.* 11: 729–738, illus. — Leaf blades and petioles of 6 gen; 4 groups; key; descriptions.
- THOMAS, S. 1999. *Calanthe section Rhodochilus (Orchidaceae) from New Guinea, the Solomon Islands and the Moluccas*. *Blumea* 44: 25–36, illus. — Sect. *Caulodes* reduced; 3 spp, 2 var, 1 new comb; keys; synonymy, descriptions, notes; collections under taxa.
- THOMAS, S.A. 1998. *A preliminary checklist of the genus Eulophia*. *Lindleyana* 13: 170–202, illus. — Alphabetic list with synonyms, but no index to the latter (*Orchidaceae*).
- TIGGA, M. & P.V. SREEKUMAR. 1998. *Notes on two lesser known Aglaia (Meliaceae) in Andaman Islands*. *J. Bombay Nat. Hist. Soc.* 95: 371. — *A. argentea*, *A. oligophylla*.
- TIRVENGADUM, D.D. 1998. *Novelties in Rubiaceae from the limestone flora of southeast Asia*. *Biogeogr.* 74: 163–175, illus. — *E.g. Vidalasia*, nov gen, 5 spp, 1 Malesian, no key, no sp. descriptions.
- TOKUOKA, T. & H. TOBE. 1998. *Embryology of tribe Drypeteeae, an enigmatic taxon of Euphorbiaceae*. *Pl. Syst. Evol.* 215: 189–208, illus. — Seems related to *Chrysobalanaceae*, *Erythroxylaceae*, *Linaceae*, *Rhizophoraceae*.
- TRAN, K.L. 1994. *The taxa of family Myrsinaceae R. Br. in the flora of Vietnam*. *Tap Chi Sinh Hoc* 16/4: 67–75 (In Vietnamese, Engl. summ.). — Enumeration of 6 gen, 139 taxa, 2 new comb.

- TRAN, K.L. 1994. *The taxa of family Sapindaceae Juss. in the flora of Vietnam*. Tap Chi Sinh Hoc 16/4: 80–86 (In Vietnamese, Engl. summ.). — Enumeration of 25 gen, 67 taxa.
- TSI, Z. see Ji, Z.
- TURNER, I.M. 1998. *Another name for a ginger from Borneo*. Sandakania 12: 25. — *Amomum sylvestre* Ridl. renamed again (Zingiberaceae).
- TURNER, I.M., H.T.W. TAN, E.E.L. SEAH, A.H.B. LOO & A. IBRAHIM. 1998 ('1997'). *Additions to the flora of Singapore, III*. Gard. Bull. Singapore 49: 1–5, illus. — *Combretum tetralophum*, *Dischidia* complex, *Grenacheria fulva*, *Justicia procumbens*, *Korthalsia flagellaris*, *Lecanopteris sinuosa*, *Macroptilium atropurpureum*, *Mangifera paludosa*, *Microcos globulifera*, *Pouteria linggensis*, *Sindora coriacea*.
- TURNER, I.M., J.W.H. YONG, A.Z. ISMAIL & A. LATIFF. 1998 ('1997'). *The botany of the islands of Mersing District, Johore, Peninsular Malaysia. 1. The plants and vegetation of Pulau Tinggi*. Gard. Bull. Singapore 49: 119–141, illus. — 500+ spp.
- UMAMAHESWARI, P. & P. DANIEL. 1998. *Eragrostis amabilis* (L.) Wight & Arn. (Poaceae) and its varieties. J. Econ. Tax. Bot. 22: 211–216, illus. — 1 new var; key; synonymy, descriptions.
- UTSUNOMIYA, N., et 6 al. 1998. *Diospyros species in Thailand: their distribution, fruit morphology and uses*. Econ. Bot. 52: 343–351, illus. — (Ebenaceae).
- VALIEJO-ROMAN, K.M., et 5 al. 1998. *Molecular systematics of the Umbelliferae: using nuclear ribosomal DNA internal transcribed spacer sequences to resolve issues of evolutionary relationships*. Bot. Dztj. 83/7: 1–22, illus. — Araliaceae not to be united with Umbelliferae, unless Pittosporaceae are included; Hydrocotyle sister to Araliaceae; most tribes polyphyletic; compare Plunkett & Downie (1999).
- VEGETTI, A.C. 1998. *Estudio fenético de inflorescencia en Andropogoneae (Poaceae)*. Kurtziana 26: 145–163, illus. (In Spanish, Engl. summ.). — Apparently assumed that a genus has only one type; principal component analysis gives incredible trees: structure of inflorescence may be of limited phylogenetic value.
- VELDKAMP, J.F. 1998. *Exbucklandia* vs. *Symingtonia* (Hamamelidaceae). Rheedeia 8: 159–161. — Same conclusion as by Z.-Y. Zhang (1999).
- VITEK, E., A. WEBER & B.L. BURTT. 1998 ('1997'). *Generic position of the species hitherto referred to Didissandra (Gesneriaceae)*. Beitr. Biol. Pfl. 70: 275–291. — General checklist.
- VU, X.P. 1994. *The taxa of family Bignoniaceae Juss. in the flora of Vietnam*. Tap Chi Sinh Hoc 16/4: 16–19 (In Vietnamese, Engl. summ.). — Enumeration of 17 gen, 36 taxa.
- VU, X.P. 1994. *Family Verbenaceae St.-Hil. in the flora of Vietnam*. Tap Chi Sinh Hoc 16/4: 94–103 (In Vietnamese, Engl. summ.). — Enumeration of 26 gen, 131 taxa, 1 new comb.

- WADHWA, B.M. & W. MEIJER. 1998. *Sapindaceae*. Rev. Handb. Fl. Ceylon 12: 344–390. — 1 new comb.
- WANG, T., Y.-J. SU, C. HUANG & J.-M. ZHU. 1999. *RAPD analyses of Nageiaoids*. Acta Bot. Yunn. 21: 144–148, illus. (In Chinese, Engl. summ.). — Support for 3 sections in Podocarpus; not for Nageiaceae (Podocarpaceae).
- WEBER, A. 1998 ('1997'). *New taxa of Monophyllaea (Gesneriaceae) from Peninsular Malaysia*. Beitr. Biol. Pfl. 70: 405–406. — 3 subsp, 1 var.
- WEBER, A. & B.L. BURTT. 1998 ('1997'). *Didissandra: redefinition and partition of an artificial genus of Gesneriaceae*. Beitr. Biol. Pfl. 70: 153–177, illus. — *Didissandra* s.s., *Ridleyandra*, gen. nov., Sino-Vietnamese provisionally to *Raphiocarpus*.
- WEBER, A. & B.L. BURTT. 1998 ('1997'). *Revision of the genus Didissandra (Gesneriaceae)*. Beitr. Biol. Pfl. 70: 191–223, illus. — 2 sect, 8 spp, 2 new, 4 new subsp, 1 new comb; key; synonymy, descriptions, notes; (selected) collections under taxa.
- WEBER, A. & B.L. BURTT. 1998 ('1997'). *Revision of the genus Ridleyandra (Gesneriaceae)*. Beitr. Biol. Pfl. 70: 225–273, illus. — 2 sect, 1 new, 23 spp, 4 new; key; synonymy, descriptions, notes; collections under taxa.
- WEBER, A. & B.L. BURTT. 1998 ('1997'). *Remodelling of Didymocarpus and associated genera (Gesneriaceae)*. Beitr. Biol. Pfl. 70: 293–363, illus. — 3 gen: *Didymocarpus* s.s. (80, 8 Pen. Mal., 1 Sumatra), *Henckelia* [c. 180, 166 Malesian: Pen. Mal. (100!), Sumatra (12), Borneo (50), Palawan (1), Celebes (2), New Guinea (1), incl. *Codonoboea*, *Loxocarpus*, *Platyadenia*], *Hovanella* (new, Madagascar, 2); *Didymocarpus* of Fl. Java = *Chirita*; *Didymocarpus* from PNG and Australia = *Boea*; many new comb.
- WELZEN, P.C. VAN. 1998. *Analytical key to the genera of Thai Euphorbiaceae*. Thai For. Bull., Bot. 26: 1–17.
- WELZEN, P.C. VAN. 1998. *Indian Sapindaceae: interesting topic for research?* In: P. Mathew & M. Sivadasan (Eds.), *Diversity and taxonomy of tropical flowering plants*: 135–165, illus. — Introduction to a revision of the family for India.
- WELZEN, P.C. VAN. 1999. *Sapindaceae*. Fl. Thail. 7: 169–250, illus. — 23 gen, 41 spp.
- WELZEN, P.C. VAN, Q.D. NGUYEN & R.C.K. CHUNG. 1997. *A revision of the introduced species of Manihot Miller (Euphorbiaceae) in Malesia*. Rheedea 7: 77–85. — 2 spp; key; synonymy, descriptions; list of specimens.
- WHITEHOUSE, C. 1998. *Proposal to conserve the name Boerhavia diffusa (Nyctaginaceae) with a conserved type*. Taxon 47: 873–874.
- *WHITTAKER, R.J. 1998. *Island biogeography*. xi, 285 pp, illus. Oxford University Press, ISBN 0-19-850021-1 (hardback), 0-19-850020-3 (paperback).
- WIDYARTINI, D.S. & E. A. WIDJAJA. 1999. *A new species of Anadendrum (Araceae) from Malesia*. Reinwardtia 11: 281–284, illus.

- *WIDYATMOKO, D. & F. ZICH. 1998. *The flora of Bukit Tigapuluh National Park, Kerumutan Sanctuary and Mahoto Protective Reserve, Riau, Indonesia*. xlii, 248 pp, illus. — Selection of species, beautifully illustrated, descriptions and various data.
- WIEGLEB, G. & Z. KAPLAN. 1998. *An account of the species of Potamogeton L. (Potamogetonaceae)*. Folia Geobot. 33: 241–316. — 69 spp, 50 hybrids; key; synonymy; descriptions; genus Coleogeton/Stuckenia not accepted.
- WIJNGAARDEN, P. VAN & H.W.E. VAN BRUGGEN. 1998. *Cryptocoryne longicauda Beccari ex Engler*. Aqua-Planta 23: 139–143, illus. (In German). — Description, ecology, cultivation (Araceae).
- WILMOT-DEAR, C.M. & I. FRIIS. 1998. *Cypholophus decipiens (Urticaceae) – taxonomy and range of a species often misplaced in Boehmeria*. Kew Bull. 53: 919–927, illus. — Synonymy, description, notes.
- WILSON, A. (Ed.). 1999. *Flora of Australia. Vol. 17 B. Proteaceae 3. Hakea to Dryandra*. xviii, 416 pp, illus. ISBN 0-643-06454-0 (hardback), 0-643-06455-9 (paperback). — Treatments by R.M. Barker, W.R. Barker, A.S. George, L. Haegi, B.P.M. Hyland.
- WILSON, E.D. 1999. *Revision of Hibiscus section Furcaria (Malvaceae) in Africa and Asia*. Bull. Nat. Hist. Mus. London, Bot. 29: 47–79, illus. — 33 taxa, 3 new, 4 new comb; key; synonymy, description, notes; specimens under taxa.
- WILSON, P.G. & L.L. CO. 1998. *Xanthostemon fruticosus (Myrtaceae), a new species from the Philippines*. Sida 18: 283–286, illus.
- WITONO, J.R. 1998. *Calamus sp. nov. (Rotan tunggal) di Taman Nasional Ujong Kulon*. Warta Kebun Raya 2/3: 9–16, illus. (In Indonesian, Engl. summ.). — Description, but no name (Palmae).
- WITONO, J.[R.] & J. DRANSFIELD. 1998. *A new species of Calamus (Palmae) from Java*. Kew Bull. 53: 747–751, illus.
- *WONG, K.M. & A. PHILLIPPS. 1996. *Kinabalu, summit of Borneo, a revised and expanded edition*. xvii, 544 pp, illus. Sabah Society, ISBN 967-99947-4-0. — Marvelous!
- WONGPRASERT, T. 1998. *Hydrangeaceae*. Thai For. Bull., Bot. 26: 25–30, illus. — *Dichroa febrifuga*.
- WOOD, H.P. 1998. *A theory for the evolution and distribution of the Dendrobiinae*. Orchadian 12: 438–439. — Simple explanation of breaking up of Gondwanaland and subsequent continental drift bringing in not only orchids from India through Burma to Malesia from the North, and from Australia in the South; seeds would be frost resistant making long-distance dispersal by jet streams possible (Orchidaceae).
- WOOD, J.J. & T.J. BARKMAN. 1998. *Notes on the orchid flora of Mount Kinabalu, Borneo*. Sandakanian 12: 7–24, illus. — Supplement to the 1993 treatment (see Fl. Males. Bull. 11/2: 196).

- WOOD, J.J., D.A. CLAYTON & C.L. CHAN. 1998. *A new species of Coelogyne section Longifoliae (Orchidaceae: Coelogyneae: Coelogyneinae) from Borneo*. Sandakania 11: 35–42, illus. — Key to *C. cuprea* alliance in Borneo.
- WOOD, J.J., A. LAMB & C.L. CHAN. 1998. *A new species of Trichoglottis (Orchidaceae: Vandaeae: Aeridinae) from Borneo*. Sandakania 11: 43–47, illus.
- WU, C. 1999. *Papaveraceae, Capparaceae*. Fl. Reipubl. Pop. Sin. 32: xxii, 594 pp, illus. — Papaveraceae 18 gen, 362 spp (*Corydalis* 288!); Capparaceae 5 gen, 44 spp.
- WU, K. (Ed.). 1997. *Flagellariaceae, Restionaceae, Centrolepidaceae, Xyridaceae, Eriocaulaceae, Bromeliaceae, Commelinaceae, Pontederiaceae, Philydraceae, Juncaceae, Stemonaceae*. Fl. Reipubl. Pop. Sin. 13/3: 294 pp, illus. (In Chinese).
- WU, Z. & P.H. RAVEN (Eds.). 1998. *Flora of China 17. Illustrations. Verbenaceae through Solanaceae*: x, 426 pp.
- WU, Z. & P.H. RAVEN (Eds.). 1998. *Flora of China 18. Scrophulariaceae through Gesneriaceae*: x, 449 pp, no illus.
- WU, Z.-Y., Y.-C. TANG, A.-M. LU & Z.-D. CHEN. 1998. *On primary subdivisions of the Magnoliophyta – towards a new scheme for an eight-class system of classification of the Angiosperms*. Acta Phytotax. Sin. 36: 385–402 (In Chinese, Engl. summ.). — 8 principal lineages appeared by the end of the early Cretaceous, here named as classes; paraphyletic groups accepted; this interesting theory should have been published in a western language for a better chance to make a lasting impact.
- WUJEK, D.E., P. CHEEMA, S.S. BIR & F.J. MENAPACE. 1997. *Achene micromorphology as a systematic aid to the taxonomic recognition of Cyperus cytotypes*. Rheedea 7: 93–99, illus. — *C. compressus*, *C. difformis* (Cyperaceae).
- WYATT-SMITH, J. 1999. *Pocket checklist of timber trees, rev. 3 by K.M. Kochummen*. Mal. For. Rec. 17: xiii, 367 pp, illus.
- XIONG, X. & Y. LING. 1995. *A preliminary research on the numerical classification of the tribe Melastomateae*. Guihaia 15: 13–17, illus. (In Chinese, Engl. summ.). — *Otanthera scaberrima* transferred to *Melastoma* (Melastomataceae).
- XU, T. 1996. *Samara shape of Aceraceae and its implications in systematics and evolution*. Guihaia 16/2: 109–122, illus. (In Chinese, Engl. summ.). — New arrangement of sections.
- XU, T.-Z. 1998. *On the systematic evolution and distribution of the genus Acer*. Acta Bot. Yunn. 20: 383–393, illus. (In Chinese, Engl. summ.). — Origin in Jura, so Sapindaceae even older!
- YANG, T. Y. A. 1998. *The family Sapotaceae in Taiwan*. Taiwania 43: 193–202, illus. — 2 gen, 3 spp; keys; synonymy, descriptions, notes.
- YANG, T. Y. A. 1998. *The phytogeographical study on the Clematis Viorna group (Ranunculaceae)*. In: S.-T. Chiu & C.-I. Peng (Eds.), Proc. Cross-strait Symp. Flor. Div. & Cons.: 85–105, illus.

- YANG, T. Y. A. & S.-P. LI. 1998. *The genus Galium L. (Rubiaceae) in Taiwan*. Bull. Nat. Mus. Nat. Sc. 11: 101–117, illus. — 10 taxa; key; synonymy, descriptions; specimens under taxa.
- YANG, T. Y. A. & D. M. MOORE. 1999. *A revision of the Viorna group of species (section Viorna sensu Prantl) in the genus Clematis (Ranunculaceae)*. Syst. Geogr. Pl. 68: 281–303, illus. — Numerical (PCO) analysis; no descriptions, keys, distribution (long lists of specimens without provenance or data), habitat, etc.; 4 subgen, 2 new; 3 new sect; 25 spp (1 Malesian); some reductions, but no real synonymy; very unsatisfactory.
- YANG, Y.-P. 1999. *An enumeration of Myrsinaceae of Taiwan*. Bot. Bull. Acad. Sin. 40: 39–47, illus. — 4 gen, 26 taxa; keys; synonymy, some diagnoses, notes.
- YASUDA, M., et 9 al. 1999. *The mechanism of general flowering in Dipterocarpaceae in the Malay Peninsula*. J. Trop. Ecol. 15: 437–449, illus. — Caused by exceptional low night temperatures (< 19 °C) c. 2 months before flowering during La Niña, not El Niño episodes.
- YOKOTA, M. 1998. *A new form of Eulophia zollingeri (Orchidaceae) from the Ryukyus*. J. Phytogeogr. Taxon 46: 183–185, illus. — Green-flowered.
- YUKAWA, T. 1998. *An enumeration of herbarium and spirit specimens of the Orchidaceae, collected in the 1997 Vanuatu expedition*. Ann. Tsukuba Bot. Gard. 17, Sp. Issue: 59–62. — See also Hashimoto (1998).
- YUKAWA, T. & T. HASHIMOTO. 1998. *Studies on the orchid flora of Vanuatu: I*. Ann. Tsukuba Bot. Gard. 17, Sp. Issue: 63–67, illus. — 1 new Malaxis (Orchidaceae).
- YULISTYARINI, T. 1998. *Aspek botani dan pemanfaatan Mendong (Fimbristylis globulosa (Retz.) Kunth) di kecamatan Wajak, Malang*. Warta Kebun Raya 2/3: 24–28 (In Indonesian, Engl. summ.). — Botany, cultivation, uses (Cyperaceae).
- ZHANG, D.-M. 1998. *Systematics of the tribe Ophiopogoneae (Liliaceae s.l.) with special reference to karyotypes and chromosomal evolution*. Cathaya 10: 1–156, illus.
- ZHANG, S.-R., S.-Y. LIANG & L.-K. DAI. 1998. *Leaf anatomy of fourteen species in Carex subgenus Indocarex*. Acta Phytotax. Sin. 36: 333–340, illus. (In Chinese, Engl. summ.). — Survey of sections and subsections.
- ZHANG, W.-J. & T.-L. MING. 1999. *A cytogeological study of genus Camellia*. Acta Bot. Yunn. 21: 184–196, illus. (In Chinese, Engl. summ.). — Origin in Indochina (Theaceae).
- ZHANG, Z.-Y. 1999. *Nomenclatural notes on Exbucklandia (Hamamelidaceae)*. Acta Phytotax. Sin. 37: 110–112 (In Chinese, Engl. summ.). — Same conclusion as by Veldkamp (1998).
- ZHANG, Z.-Y. 1999. *Notes on the modern classification systems of the Hamamelidaceae*. Acta Bot. Yunn. 21: 1–10, illus. (In Chinese, Engl. summ.). — 5 systems compared, none satisfactory, Li (1997) best.

- ZHAO, N. 1998. *A study on the systematics of the genus Themeda Forsskal*. J. Trop. & Subtrop. Bot. 6: 293–308 (In Chinese, Engl. summ.). — Checklist, synonymy (Gramineae).
- ZHENG, Z.-H., P.-L. WANG & F.-D. PU. 1999. *A comparative study on pollen exine ultra-structure of Nothofagus and the other genera of Fagaceae*. Acta Phytotax. Sin. 37: 253–358, illus. (In Chinese, Engl. summ.). — Nothofagaceae supported.
- ZOMLEFER, W.B. 1999. *Advances in angiosperm systematics: examples from the Liliales and Asparagales*. J. Torrey Bot. Soc. 126: 58–62. — Hemerocallidaceae expanded, Melanthiaceae to split in three: Melanthiaceae s.s., Nartheciaceae, Tofieldiaceae.
- ZONA, S. 1999. *Revision of Drymophloeus (Arecaceae: Arecoideae)*. Blumea 44: 1–24, illus. — 7 spp, 1 new comb; morphology, phylogeny (monophyletic); key; synonymy, descriptions, notes; identification list.
- ZONA, S. & F.B. ESSIG. 1999. *How many species of Brassiophoenix?* Palms 43: 45–48, illus. — Two (Palmae).
- ZUILEN, C.M. VAN & J. KOEK-NOORMAN. 1998. *Phylogenetic relationships within the Annonaceae: molecules and morphology*. Annonaceae Newsl. 11: 67–68. — Abstract.