

XVI. BIBLIOGRAPHY

(continued from p. 339)

*Books have been marked with an asterisk

BRYOPHYTES

Life and work of Johannes Hedwig are described in a series of papers in *Nova Hedwigia* 70 (2000) 1–64.

AKIYAMA, H. 1999. *Genetic variation of the asexually reproducing moss, Takakia lepidozioides*. *J. Bryol.* 21: 177–182, illus. — Moderate within, low between populations.

ALLEN, B. & R. A. PURSELL. 2000. *A reconsideration of the systematic position of Splachnobryum*. *J. Hattori Bot. Lab.* 88: 139–145, illus. — With Pottiales rather than the Funariales.

ARIKAWA, T. & M. HIGUCHI. 1999. *Phylogenetic analysis of the Plagiotheciaceae (Musci) and its relatives based on rbcL gene sequences*. *Cryptog., Bryol.* 20: 231–245, illus. — Pleurocarpous mosses monophyletic; Plagiothecium monophyletic; Taxiphyllum not closely related; Hypnaceae paraphyletic.

ASTHANA, A. K. & V. NATH. 1999. *Distributional patterns of the genus Folioceras Bharad. in India*. *Cryptog., Bryol.* 20: 257–265, illus. — 12 spp, some Malesian; key; synonymy, diagnoses.

BECKERT, S., S. STEINHAUSER, H. MUHLE & V. KNOOP. 1999. *A molecular phylogeny of bryophytes based on nucleotide sequences of the mitochondrial nad5 gene*. *Pl. Syst. Evol.* 218: 179–192, illus. — Mosses and liverworts sister groups; monophyly of liverworts, mosses, Jungermanniidae, Marchantiidae, Bryidae supported; recognition of Hypnanae, Dicrananae; Bryidae distinct from Andreaeales, Polytrichales, Sphagnales, Tetraphidales; Buxbaumiales intermediate; jungermaniid and marchantiid taxa separated.

BUCK, W. R., B. GOFFINET & A. J. SHAW. 2000. *Testing morphological concepts of orders of pleurocarpous mosses (Bryophyta) using phylogenetic reconstructions based on TRNL-TRNF and RPS4 sequences*. *Molec. Phylogen. Evol.* 16: 180–198, illus. — Pleurocarpous mosses (excl. Cyrtopodaceae) monophyletic; Hypnidae; Leucodontales paraphyletic; Hypnales monophyletic, sister to hookerialean lineage; Hypopterygiaceae, Hookeriales and some other genera basal within Hypnidae; mode of branching and reduced peristomes homoplastic at ordinal level.

CHIANG, T.-Y. 2000. *Phylogeny of the Hylocomiaceae (Mosses, order Hypnales) inferred from ontogenetic and morphological characteristics*. *Taiwania* 45: 66–94, illus. — Monophyly supported when Rhytidiaceae are excluded.

CHIANG, T.-Y. & B. A. SCHAAL. 2000. *Molecular evolution of the atpB-rbcL noncoding spacer of chloroplast DNA in the moss family Hylocomiaceae*. *Bot. Bull. Acad. Sin. (Taipei)* 41: 85–92, illus. — Origin 29 Mbp; monophyletic, but no Malesian taxa included.

- COX, C.J., B. GOFFINET, A.E. NEWTON, A.J. SHAW & T.A.J. HEDDERSON. *Phylogenetic relationships among the diplolepidous-alternate mosses (Bryidae) inferred from nuclear and chloroplast DNA sequences*. *Bryologist* 103: 224–241, illus. — Bryidae paraphyletic.
- DERDA, G.S. & R. WYATT. 1999. *Isozyme evidence regarding the origins of three allopolyploid species of Polytrichastrum (Polytrichaceae, Bryophyta)*. *Pl. Syst. Evol.* 220: 27–53, illus.
- DU, G.-S., M.-Z. WANG & Y.-L. ZHANG. 2000. *Observations of spore morphology of some acrocarpous mosses in China*. *Acta Bot. Yunnan.* 22: 277–281, illus. (but not of the spores!).
- ENROTH, J. 1999. *A review of the rheophytic Neckeraceae (Musci)*. *Hausknechtia*, Beih. 9: 121–127.
- FARGE, C. LA, et 6 al. 2000. *Phylogenetic relationships within the haplolepidous mosses*. *Bryologist* 103: 257–276, illus. — Based on 3 cpDNA regions; traditional families supported.
- FRAHM, J.-P. 1999. *Taxonomische Notizen zur Gattung Campylopus XVIII*. *Trop. Bryol.* 17: 19–20. — E.g. *Campylopus gedehensis* reduced to *C. macgregorii*.
- FRAHM, J.-P. 2000. *New combinations in the genera Atractylocarpus and Metzlera*. *Trop. Bryol.* 18: 115–117. — Caused by failure to conserve *Atractylocarpus*: all species but one (the type) formerly in it become *Metzlera*, while all species of *Campylopodia* become *Atractylocarpus*.
- FRAHM, J.P., J. AHMED, M. HAGEN & M. PELES. 2000. *Revision der Gattung Rhabdoweisia (Musci, Dicranaceae)*. *Trop. Bryol.* 18: 161–172, illus. (In German, Engl. summ.). — 4 spp, 1 Malesian; key; synonymy, descriptions, notes.
- FRAHM, J.-P., T. KLÖCKER, R. SCHMIDT & C. SCHRÖTER. 2000. *Revision der Gattung Amphidium*. *Trop. Bryol.* 18: 173–184, illus. — Reduced to 3 spp, 1 Malesian; *A. papillosum* sp. dub.
- FURUKI, T. 1999. *Taxonomic studies of Asiatic species of Aneuraceae (Hepaticae)*. VII. *Riccardia grollei Furukī, sp. nov. from Southeast Asia*. *Hausknechtia*, Beih. 9: 139–142, illus.
- GAO, C., T. CAO & X. FU. 2000. *Types of spore dispersal of mosses in relation to evolution system*. *Acta Bot. Yunnan.* 22: 268–276, illus. (In Chinese, Engl. summ.). — Five types of spore dispersal; new system of families proposed; 4 invalid (supra-) familial names.
- GAO, C. & M.R. CROSBY (Eds.). 1999. *Moss flora of China. English version. 1. Sphagnaceae–Leucobryaceae*: viii, 273, illus.
- GOFFINET, B. & C.J. COX. 2000. *Phylogenetic relationships among basal-most arthro-dontous mosses with special emphasis on the evolutionary significance of the Funariineae*. *Bryologist* 103: 212–223, illus.

- GRADSTEIN, S.R. & J. VÁŇA. 1999. *On the taxonomy of Kymatocalyx and Stenorhipis (Cephaloziellaceae)*. Haussknechtia, Beih. 9: 155–170, illus. — *Ruttnerella*, *Stenorhipis* reduced; 4 spp, 1 new, 2 new comb; key; synonymy, descriptions.
- GROLLE, R. & M.L. SO. 1999. *Notes on Plagiochila subgenus Paraplagiochila (Hepaticae)*. J. Bryol. 21: 197–199. — 5 spp; key; synonymy, notes.
- GROLLE, R. & M.L. SO. 1999. *On the Plagiochila species of sect. Zonatae with paraphyllia or mammillose stems (Hepaticae)*. Syst. Bot. 24: 297–310, illus. — 10 spp, some Malesian; new subsect; key; synonymy, descriptions, notes.
- GROLLE, R. & M.L. SO. 2000. *Notes on Plagiochila section Firmiae (Hepaticae)*. Syst. Bot. 25: 5–14, illus. — 8 spp, 1 new; key; synonymy, notes.
- GROLLE, R. & R.-L. ZHU. 2000. *A study of Drepanolejeunea subg. Rhaphidolejeunea (Herzog) Grolle & R.L. Zhu, stat. nov. (Hepaticae, Lejeuneaceae) in China with notes on its species elsewhere*. Nova Hedwigia 70: 373–396, illus. — 6 spp in China; key to all 11, 4 Malesian.
- HE, S. & J.A. SNIDER. 2000. *A taxonomic revision of Symphyodon (Musci: Symphyodontaceae)*. Bryologist 103: 52–81, illus. — 15 spp; key, synonymy, descriptions, notes.
- IWATSUKI, Z. & T. SUZUKI. 1999. *The status of Fissidens involutus and F. curvato-involutus (Musci, Fissidentaceae)*. Haussknechtia, Beih. 9: 217–220, illus. — Distinct.
- KONRATH, M.J. VON & J.E. BRAGGINS. 1999. *The epiphyllous habit in hepatic genus Frullania*. Trop. Bryol. 17: 103–113, illus. — No reference to the occurrence of this life form in Malesia (see fig. 1, table 1).
- KOPONEN, T. 1999. *Notes on Philonotis (Musci, Bartramiaceae). 4. Taxonomic evaluation of vegetative propagules*. Haussknechtia, Beih. 9: 221–224, illus.
- KÜRSCHNER, H. 2000. *Claopodium prionophyllum (C. Müll.) Broth., a remarkable tropical Asian species in the moss flora of the Arabian Peninsula and further additions for Oman, Saudi Arabia and Yemen*. Studies in Arabian bryophytes 26. Nova Hedwigia 70: 127–134, illus.
- LUNA, E. DE, et 7 al. 2000. *Ordinal phylogeny within the hypnobryalean pleurocarpous mosses inferred from cladistic analyses of three chloroplast DNA sequence data sets: trnL-F, rps4, and rbcL*. Bryologist 103: 242–256, illus. — Group monophyletic, Hookeriales most basal, but for the Hypnales and Leucodontales results do not correspond with current taxonomic concepts.
- MAEDA, S., K. KOSUGE, D. GONZALEZ, E. DE LUNA & H. AKIYAMA. 2000. *Molecular phylogeny of the suborder Leucodontineae (Musci; Leucodontales) inferred from rbcL sequence data*. J. Pl. Res. 113: 29–38, illus. — E.g. Cryphaeaceae in same clade as Leucodontaceae.
- MAIER, E. 1999. *Auf den Spuren von Lantzius-Beninga – Die Bedeutung der Peristommerkmale bei Laubmoosen (Bryophyta)*. Stuttg. Beitr. Naturk. A, 591: 1–13, illus. (In German, Engl. summ.). — Peristome teeth of Grimmia species longitudinally sectioned to illustrate specific differences.

- NEWTON, A. E., et al. 2000. *Evolution of the major moss lineages: phylogenetic analyses based on multiple gene sequences and morphology*. Bryologist 103: 187–211, illus. — Monophyletic, incl. Andreaea, Sphagnum, Takakia, etc.
- NICOLSON, D. H. 1999. *Report of the General Committee: 9*. Taxon 48: 821–822. — Conservation of Pottia, Rhynchostegiella approved; that of Dicranoloma rejected.
- NORRIS, D. H. & T. KOPONEN. 1999. *Bryophyte flora of the Huon Peninsula, Papua New Guinea. LXVII. Amphidium (Rhabdoweisiaceae, Musci)*. Ann. Bot. Fenn. 36: 265–269, illus. — 1 sp.
- NORRIS, D. H., T. KOPONEN & S. PIIPO. 1999. *Bryophyte flora of the Huon Peninsula, Papua New Guinea. LXVI. Meesiaceae (Musci), with lists of boreal to temperate disjunct, bipolar, and widely spread species in New Guinea*. Ann. Bot. Fenn. 36: 257–263, illus. — Meesia 1 sp; lists are for all mosses.
- O'SHEA, B. J. 2000. *Notes on Seychelles mosses. 6. A generic revision of Clastobryophilum M. Fleisch. (Sematophyllaceae, Bryopsida)*. Trop. Bryol. 18: 97–105, illus. — 2 spp; key; synonymy, descriptions, notes.
- POTEMKIN, A. D. 1999. *Circumscription of the family Scapaniaceae, with segregation of the new family Diplophyllaceae (Hepaticae)*. Ann. Bot. Fenn. 36: 271–283, illus. — For Diplophyllum, Douinia; Blepharidophyllaceae, Delavayellaceae supported.
- RAO, P. 2000. *Taxonomic studies of Cryphaea (Cryphaeaceae, Bryopsida). 2. Revision of Asian species*. Ann. Bot. Fenn. 37: 45–56, illus. — 7 spp, 1 new, 1 new comb; key; synonymy, descriptions, notes.
- REESE, W. D. 2000. *Extreme leaf dimorphism in Calymperaceae*. Bryologist 103: 534–540, illus. — Highly derived gemmiferous leaves ('stenophylls') in Calymperes, Syrrhopodon.
- SCHUSTER, R. M. 2000. *Austral Hepaticae. Part I*. Nova Hedwigia, Beih. 118: 1–524, illus. — Keys to spp; above spp: synonymy, descriptions, notes.
- SHAW, A. J. 2000. *Phylogeny of the Sphagnopsida based on chloroplast and nuclear DNA sequences*. Bryologist 103: 277–306, illus. — Ambuchania sister of Sphagnum; this with 4 newly delineated sections.
- SHAW, A. J. & B. GOFFINET. 2000. *Molecular evidence of reticulate evolution in the Peatmosses (Sphagnum) including S. ehyalinum sp. nov.* Bryologist 103: 357–374, illus.
- SO, M. L. 1999. *Studies on Plagiochila sect. Poeltiae (Plagiochilaceae, Hepaticae)*. Haussknechtia, Beih. 9: 347–358, illus. — Key; 9 spp, 1 new, 1 Malesian.
- SO, M. L. 2000. *Studies on Plagiochila (Hepaticae) in Australasia and the Pacific II*. Cryptogamie, Bryol. 21: 223–231, illus. — Some new records for Malesia.
- SO, M. L. & R. GROLLE. 2000. *Checklist of Plagiochila (Hepaticae) in Asia*. J. Hattori Bot. Lab. 88: 199–243. — 480 names for 132 taxa.

- SO, M.L. & R. GROLLE. 2000. *Studies on Plagiochila (Hepaticae) in Australasia and the Pacific. I.* Cryptogamie, Bryol. 21: 7–18, illus.
- SO, M.L. & R. GROLLE. 2000. *Studies on Plagiochila sect. Plagiochila (Hepaticae) in East and South Asia.* J. Bryol. 22: 17–28, illus. — 12 spp; key; synonymy, notes.
- SOLLMAN, P. 2000. *A taxonomic revision of Pseudosymblepharis Broth. (Musci: Pottiaceae).* Trop. Bryol. 18: 129–145, illus. — Monotypic, 23 reductions (!), some Malaysian; compared with several other taxa.
- SPENCE, J.R. & H.P. RAMSAY. 1999. *Proposal to conserve the name Bryum (Musci, Bryaceae) with a conserved type.* Taxon 48: 827–828. — Notes on Anomobryum.
- STECH, M., T. PFEIFFER & W. FREY. 1999. *Molecular systematic relationship of temperate austral Hypopterygiaceae (Bryopsida): implications for taxonomy and biogeography. Studies in austral temperate rain forest bryophytes 3.* Haussknechtia, Beih. 9: 359–367, illus.
- STREIMANN, H. 2000. *Taxonomic studies on Australian Hookeriaceae (Musci). 3. The genera Calypstrochaeta, Daltonia, Hookeriopsis and Sauloma.* J. Hattori Bot. Lab. 88: 101–138, illus. — Keys; synonymy, descriptions, notes; 1 new comb.
- SUDJADMIKO, H. 1999. *Bryophytes.* In: M. Kuswanda, P.K. Chai & I.N.S. Jaya (Eds.), ITTO Borneo Biodiversity Expedition, Scientific Report, Yokohama: 94–98 (n.v.).
- TAN, B.C. 1999. *The dainty mosses at the Singapore Botanic Gardens.* Gardenwise 12: 5–7, illus. — Popular account with nice photographs.
- TAN, B.C., A.C. CHURCH & F.I. WINDADRI. 1997. *New Indonesian mosses collected from Kalimantan Tengah and Kalimantan Barat in Borneo.* Tropical Biodiversity 4: 235–240, illus. (n.v.).
- TAN, B.C., L. LUBOS & U. SCHWARZ. 2000. *New and biogeographically noteworthy records of Philippine mosses from Mindanao island.* Trop. Bryol. 18: 27–37, illus. — 16 new records, 2 generic.
- TSUBOTA, H., N. NAKAO, T. YAMAGUCHI, T. SEKI & H. DEGUCHI. 2000. *Preliminary phylogenetic relationships of the genus Brotherella and its allied genera (Hypnales, Musci) based on chloroplast rbcL sequence data.* J. Hattori Bot. Lab. 88: 79–99, illus. — Inclusion in Sematophyllaceae supported; Entodon is sister clade.
- UNIYAL, P.L. 2000. *Cytological observations on some members of Pottiaceae (Musci).* Phytomorphology 50: 95–102, illus. — High grade of polyploidy, n = 13 predominant.
- WHEELER, J.A. 2000. *Molecular phylogenetic reconstruction of the marchantioid liverwort radiation.* Bryologist 103: 314–333, illus.
- WU, P.-C. & Y. JIA. 2000. *A revision of Chinese Thuidiaceae (s.l., Musci).* Acta Phytotax. Geobot. 38: 256–265, illus. (In Chinese, Engl. summ.). — Incl. Amblystegiaceae, Fabroniaceae, Leskeaceae, Trachypodaceae; some partial keys (also in English!).

- YAMADA, K. 1999. *Taxonomy of the section Amentulosae of genus Radula (Radulaceae, Hepaticae)*. Haussknechtia, Beih. 9: 391–397, illus. — Key to subsections (5, 4 new), species.
- ZANDER, R.H. & H.J. DURING. 1999. *Neophoenix (Pottiaceae), a new African moss genus found through soil diaspore bank analysis*. Taxon 48: 657–662, illus. — Key to species with transparent cleistocarpic capsules.
- ZANTEN, B.O. VAN & C.C. TOWNSEND. 1999. *A re-evaluation of the genus Diaphanodon Renauld & Cardot (Trachypodaceae, Bryopsida)*. Haussknechtia, Beih. 9: 399–409, illus. — 3 spp (1 new), 2 subsp (1), 2 formae (1); key; synonymy, descriptions.
- ZHU, R.-L. 1999. *Leptolejeunea latifolia Herzog (Lejeuneaceae, Hepaticae) and Radula tjibodensis K.I. Goebel (Radulaceae, Hepaticae) newly recorded for China*. Haussknechtia, Beih. 9: 411–415, illus. — Partial keys; synonymy, descriptions, notes.
- ZHU, R.-L. & M.L. SO. 2000. *Additions and correction for Chinese Lejeuneaceae (Hepaticae)*. Bot. Bull. Acad. Sin. 41: 243–250, illus. — Notes on e.g. Cheilolejeunea mariana, Lejeunea flava, Lopholejeunea javanica.
- ZHU, R.-L. & M.L. SO. 2000. *The genus Tuyamaella (Hepaticae, Lejeuneaceae) in China*. Nova Hedwigia 70: 185–192, illus. — 4 taxa, 1 new var; key, synonymy, descriptions.
- ZHU, R.-L. & M.L. SO. 2000. *Notes on the taxonomy and distribution of Lejeunea neelgherriana and Tuyamaella serrastipa*. Ann. Bot. Fenn. 37: 149–153, illus.
- ZIJLSTRA, G. 1999. *Report of the Committee for Bryophyta: 6*. Taxon 48: 815–816. — Different conserved type for Tortula not recommended (declined, p. 821); conservation of Desmotheca against Cryptocarpon recommended (approved p. 821); rejection of Polytrichum longifolium recommended.

PTERIDOPHYTES

- BUOT JR., I.E. 1999. *Pteridophytes frequently sold at Carbon Market, Cebu: implications to urban horticulture and nature conservation*. Philipp. Sci. 36: 148–153, illus. — *Gleichenia truncata*, *Lycopodium cernuum*, *Nephrolepis cordifolia*, *N. exaltata* taken from the wild for decoration purposes.
- CHANDRA, S. 2000. *Companion to 'A census of Indian Pteridophytes'*. Taiwania 45: 38–65. — Update of list by R.D. Dixit (1984).
- CHU, W.-M. (Ed.). 1999. *Pteridophyta*. Fl. Reipubl. Pop. Sin. 3/2: xvi, 566 pp, illus. — Antrophyaceae, Athyriaceae, Vittariaceae; p. 505–511 with new combinations and taxa.
- CHU, W.-M. & Z.-R. HE. 2000. *Taxonomic notes on some Pteridophytes from Yunnan (II)*. Acta Bot. Yunnan. 22: 255–262, illus. (In Chinese, Engl. summ.). — Some taxa Malesian.

- DUFF, R.J. & E.E. SCHILLING. 2000. *The chloroplast genome structure of the vascular plant Isoetes is similar to that of the liverwort Marchantia*. Amer. Fern J. 90: 51–59, illus.
- JESUDASS, L.L., V.S. MANICKAM & S. GOPALAKRISHNAN. 1998. *Venation patterns of the family Pteridaceae of the Western ghats – South India*. Acta Bot. Ind. 26: 143–148, illus. — Two types; key to spp.
- JIAO, Y., Z.-H. LIU & S.-Y. SONG. 1999. *Characteristics of the cuticle of Marattiales*. Acta Bot. Yunn. 21: 329–332, illus. (In Chinese, Engl. summ.). — Christenseniaceae supported.
- KATO, M. & N. NAKATO. 1999. *A cytotaxonomic study of Hainan (S. China) pteridophytes with notes on polyploidy and apogamy of Chinese species*. In: X.-C. Zhang & K.-H. Shing, *Ching memorial volume*: 1–19, illus.
- LIN, S.-J., M. KATO & K. IWATSUKI. 1999. *Spore morphology of the fern genus Lindsaea*. J. Jap. Bot. 74: 353–366, illus.
- LIU, Y.-C., C.-M. KUO & H.-Y. LIU. 2000. *SEM studies on spore in Taiwanese fern genera I. Athyroids*. Taiwania 45: 181–200, illus. — 56 spp; some Malesian.
- LU, S.-G. 1999. *The subfamily Polypodioidae (Polypodiaceae) in China*. In: X.-C. Zhang & K.-H. Shing, *Ching memorial volume*: 34–44. — 5 genera, keys, synonymy.
- NOOTEBOOM, H.P. 1999. *The microsoroid Polypodiaceae: the genera and species and their delimitation*. In: X.-C. Zhang & K.-H. Shing, *Ching memorial volume*: 45–53, illus. — Leptochilus, Microsorium with 7 unnamed groups, Colysis reduced.
- PRYER, K.M. 1999. *Phylogeny of marsileaceous ferns and relationships of the fossil Hydropteris pinnata reconsidered*. Intern. J. Pl. Sci. 160: 931–954, illus. — Hydropteridineae not supported.
- SAHASHI, N. 1999. *A preliminary review on Asian Botrychiaceae*. In: X.-C. Zhang & K.-H. Shing, *Ching memorial volume*: 54–75, illus. — In Malesia Helminthostachys (1 sp), Japanobotrychium (1), Sceptridium (2); keys, synonymy, notes.
- SANO, R., et 5 al. 2000. *Phylogeny of the Lady fern group, tribe Physematieae (Dryopteridaceae), based on chloroplast rbcL gene sequences*. Molec. Phylogen. Evol. 15: 403–413, illus. — Athyrium polyphyletic, Diplazium monophyletic.
- SCHNEIDER, H. 2000. *Morphology and anatomy of roots in the filmy fern tribe Trichomaneeae H. Schneider (Hymenophyllaceae, Filicatae) and their evolution of rootless taxa*. Bot. J. Linn. Soc. 132: 29–46, illus.
- SCHÖLCH, A. 2000. *Relations between submarginal and marginal sori in ferns. I. The sori of selected Hypolepidaceae and Dennstaedtiaceae*. Pl. Syst. Evol. 220: 161–183, illus. — Two families, Dennstaedtiaceae more advanced than Hypolepidaceae.
- SCHÖLCH, A. 2000. *Relations between submarginal and marginal sori in ferns. II. The sori of selected Dicksoniaceae and Hymenophyllaceae*. Pl. Syst. Evol. 220: 185–198, illus. — Families not primitive; sorus of Hymenophyllaceae not homologous with that of Dennstaedtia or Dicksonia and the first not closely related to the latter two.

- SHING, K. (Ed.). 1999. *Pteridophyta*. Fl. Reipubl. Pop. Sin. 4/1: xi, 398 pp, illus. — Hypodematiaceae, Thelypteridaceae; p. 318–353 for new taxa.
- SINGH, H.B. 1999. *Potential medicinal pteridophytes of India and their chemical constituents*. J. Econ. Taxon. Bot. 23: 63–78. — Summary for 160 spp.
- SKOG, J.E. 1999. *Report of the Committee for Fossil Plants: 2*. Taxon 48: 817–819. — Conservation of Cyclopteris Brongn. (fossil) against Cyclopteris S.F. Gray recommended (approved on p. 821).
- TAKAMIYA, M. 1999. *Natural history and taxonomy of Isoetes (Isoetaceae)*. Acta Phytotax. Geobot. 50: 101–138, illus. (In Japanese, Engl. summ.).
- THOMSON, J.A. 2000. *Morphological and genomic diversity in the genus Pteridium (Dennstaedtiaceae)*. Ann. Bot. 85, Suppl. B: 77–99, illus.; 86: 2000, illus.
- UDDIN, M.G. & M.K. PASHA. '1997', ? 1999. *Antrophyum plantagineum Kalf.; family, Antrophyaceae (Link) Ching – a new fern record for Bangladesh*. Bangladesh J. Bot. 26: 187–190, illus.
- WANG, X.-Y. & P.-S. WANG. 1999. *Notes on the species of Asplenium L. from Guizhou, China*. In: X.-C. Zhang & K.-H. Shing, *Ching memorial volume*: 76–81. — Key.
- WIKSTRÖM, N. & P. KENRICK. 2000. *Phylogeny of epiphytic Huperzia (Lycopodiaceae): paleotropical and neotropical clades corroborated by rbcL sequences*. Nord. J. Bot. 20: 165–171, illus. — Diversification late Cretaceous/Tertiary, similarities due to convergence.
- WIKSTRÖM, N., P. KENRICK & M. CHASE. 1999. *Epiphytism and terrestrialization in tropical Huperzia (Lycopodiaceae)*. Pl. Syst. Evol. 218: 221–243, illus.
- WONG, K.M., J.B. SUGAU, J.T. PEREIRA, B.S. PARRIS & B.C. TAN. 1999. *New records of Bornean plants from the Semporna Islands off Sabah's east coast*. Sandakania 13: 31–40, illus. — E.g. Cheilanthes nadiuscula, Selaginella tamarascina.
- WU, S.-H. (Ed.). 1999. *Pteridophyta*. Fl. Reipubl. Pop. Sin. 4/2: 265 pp, illus. (In Chinese). — Aspleniaceae, Blechnaceae, Onocleaceae, Peranemaceae, Pleurosoriopsidaceae, Woodsiaceae.
- WU, S.-H. (Ed.). 1999. *Pteridophyta*. Fl. Reipubl. Pop. Sin. 6/1: viii, 227 pp, illus. (In Chinese). — Aspidiaceae, Bolbitidaceae, Davalliaceae, Elaphoglossaceae, Gymnogrammitidaceae, Lomariopsidaceae, Nephrolepidaceae, Oleandraceae.
- YATABE, Y., H. NISHIDA & N. MURAKAMI. 1999. *Phylogeny of Osmundaceae inferred from rbcL nucleotide sequences and comparison to the fossil evidences*. J. Pl. Res. 112: 397–404, illus. — Leptopteris and Todea nested in Osmunda; O. cinnamomea and O. claytoniana not in same subgenus; both may contain 2 or more distinct spp.
- ZHANG, L.-B. & H.-S. KUNG. 2000. *The reclassification of Lycopodiaceae (s. str.) in China*. Acta Phytotax. Geobot. 38: 265–275. (In Chinese, Engl. summ.). — Synonymy, some partial keys; some taxa Malesian.

- ZHANG, L.-B. & H.-S. KUNG. 2000. *Taxonomy of the genus Huperzia Bernh. (sen. str.) sect. Serratae (Rothm.) Holub in China*. Acta Phytotax. Sin. 38: 13–22. (In Chinese, Engl. summ.). — *Lycopodium javanicum* sub *H. serrata*.
- ZHANG, L.-B. & H.-S. KUNG. 2000. *Two sections of Phlegmarius (Herter) Holub (Huperziaceae) from China*. Acta Phytotax. Sin. 38: 23–29. (In Chinese, Engl. summ.). — 1 new sect; *P. phlegmaria*, *P. salvinoides*.
- ZHANG, X.-C. 1999. *The genus Oleandra Cav. in China*. In: X.-C. Zhang & K.-H. Shing, *Ching memorial volume*: 89–95, illus. — 7 spp, 5 Malesian; key, synonymy, notes.
- *ZHANG, X.-C. & K.-H. SHING (Eds.). 1999. *Ching memorial volume. A collection of pteridological papers published to commemorate the centenary of the birth of Professor Ren-Chang Ching*. China Forestry Publishing House, Beijing. 503 pp. ISBN 7-5038-2339-9. — See under contributing authors; eponymy; names proposed by Ching.

SPERMATOPHYTES AND GENERAL SUBJECTS

- ACETO, S., P. CAPUTO, S. COZZOLINO, L. GAUDIO & A. MORETTI. 1999. *Phylogeny and evolution of Orchis and allied genera based on ITS DNA variation: morphological gaps and molecular continuity*. Molec. Phylogen. & Evol. 13: 67–76, illus. — *Orchis* split up in 3 parts more associated with other genera than each other (Orchidaceae).
- ADEMA, F. 1999. *Notes on Malesian Fabaceae (Leguminosae–Papilionoideae)*. 4. *Millettia chrysamaryssa*, a new species from Peninsular Malaysia. Novon 9: 289–291, illus.
- ADEMA, F. 1999. *Notes on Malesian Fabaceae (Leguminosae–Papilionoideae)*. 5. *The genus Sarcodum*. Blumea 44: 407–409, illus. — 1 new sp.
- *AGUILAR, N.O., L.B. CARDENAS & M.A.O. CAJANO. 2000. *Spore- and seed-bearing plants of Mount Pulag, Benguet, Philippines*. iii, 49 pp, illus. Museum of Natural History, UPLB, College, Laguna. ISBN 971-547-169-2. — Nice booklet depicting 106 spp, vegetation types; note the name change for Mt Pulog.
- AHMED, M. & M.K. PASHA. 1999. *A taxonomic account of Robiquetia Gaud. (Orchidaceae) from Bangladesh*. J. Bombay Nat. Hist. Soc. 96: 499–502, illus. — 2 spp; key; synonymy, descriptions, notes.
- ALAGESABOOPATHI, C. & S. BALU. 1999. *Ethnobotany of Indian Andrographis Wallich ex Nees*. J. Econ. Taxon. Bot. 23: 29–32. — Key, descriptions, uses (Acanthaceae).
- ALVERSON, W.S., B.A. WHITLOCK, R. NYFFELER, C. BAYER & D.A. BAUM. 1999. *Phylogeny of core Malvales: evidence from ndhF sequence data*. Amer. J. Bot. 86: 1474–1486, illus. — Malvaceae monophyletic, Bombacaceae, Sterculiaceae, Tiliaceae not representatives together in various clades; Durio close to some Sterculiaceae; some Bombacaceae and Sterculiaceae sisters to Malvaceae; Helicteraeae polyphyletic; circumscription of Sterculiaceae and Tiliaceae to be drastically altered.

- ANDERBERG, A.A., B. STÅHL & M. KÄLLERSJÖ. 2000. *Maesaceae, a new primuloid family in the order Ericales s.l.* Taxon 49: 183–187, illus. — For *Maesa*, usually in Myrsinaceae; key to major groups of primuloid taxa.
- ANONYMOUS (J. RÖTH?). 1999. *Dendrobium bracteosum* Rchb.f. Orchidee 50, Orchideenkartei: 1999-06, illus. (In German & English). — Brief note (Orchidaceae).
- ANONYMOUS (J. RÖTH?). 1999. *Dendrobium cuthbertsonii* (Schltr.) F. Muell. Orchidee 50, Orchideenkartei: 1999-07, illus. (In German & English). — Brief note (Orchidaceae).
- AOKI, S. & M. ITO. 2000. *Molecular phylogeny of Nicotiana (Solanaceae) based on the nucleotide sequence of matK gene.* Plant Biol. 2: 316–324, illus. — All subgen, some sections not monophyletic; origin in S America; Australian spp one clade.
- ASMUSSEN, C.B., W.J. BAKER & J. DRANSFIELD. 2000. *Phylogeny of the Palm family (Arecaceae) based on rps16 intron and trnL-trnF plastid DNA sequences.* In: K.L. Wilson & D.A. Morrison (Eds.), Monocots: 525–537, illus. — Many earlier recognized clades highly supported.
- ATKINSON, R., K. JONG & G. ARGENT. 2000. *Chromosome numbers of some tropical rhododendrons (section Vireya).* Edinburgh J. Bot. 57: 1–7, illus. — Several Malesian, all $2n = 26$ (Ericaceae).
- AUSTIN, D.F. 2000. *A revision of Cressa L. (Convolvulaceae).* Bot. J. Linn. Soc. 133: 27–39, illus. — 4 spp, 1 once in Timor; key, synonymy, descriptions, notes.
- EVERYANOV, L.V. 1999. *Nomenclature changes and new orchids (Orchidaceae) in the flora of Vietnam.* Bot. Zur. (Moscow & Leningrad) 84/10: 126–130 (In Russian & English). — Some Malesian taxa.
- EVERYANOV, L.V. 2000. *Rare species of Orchidaceae in the flora of Vietnam. 1. The genera Acanthephippium–Didimoplexiopsis.* Bot. Zur. (Moscow & Leningrad) 85/3: 128–138 (In Russian & English). — Some taxa Malesian.
- EVERYANOV, L.V. 2000. *Rare species of Orchidaceae in the flora of Vietnam. 2. The genera Eria–Zeuxine.* Bot. Zur. (Moscow & Leningrad) 85/4: 137–147 (In Russian & English). — Some taxa Malesian.
- AYODELE, M.S. 1999. *Karyomorphological studies in some Nigerian species of Vernonia Schreb. (Asteraceae) with different growth forms.* Feddes Repert. 110: 541–553, illus. — *Vernonia cinerea* $2n = 18$.
- AZUMA, T., T. KAJITA, J. YOKOYAMA & H. OHASHI. 2000. *Phylogenetic relationships of Salix (Salicaceae) based on rbcL sequence data.* Amer. J. Bot. 87: 67–75, illus. — Monophyletic; two subgroups.
- BACIGALUPO, N.M. & E.L. CABRAL. 1999. *Revisión de las especies americanas del género Diodia (Rubiaceae, Spermaceae).* Darwiniana 37: 153–165, illus. (In Spanish, Engl. summ.). — Compared to *Borreria*, *Galianthe*, *Spermaceae*; 5 spp; 2 new subgen in *Borreria*, *Galianthe*; key; synonymy, descriptions, notes, specimens under taxa and at end.

- BACKER, C.A. 2000. *Verklarend woordenboek van wetenschappelijke plantennamen (1936)*. Reprint. xxxvi, 664 pp. Uitgeverij L.J. Veen, Amsterdam/Antwerpen. ISBN 90-204-5846-9. NLG 89.50 (c. EUR 40.60; excl. mailing, handling). — The famous Explanatory dictionary of scientific plant names reprinted; worth to learn Dutch for; see Chapter VIII.
- BAKER, W.J. & J. DRANSFIELD. 2000. *Towards a biogeographic explanation of the Calamoid palms*. In: K.L. Wilson & D.A. Morrison (Eds.), *Monocots*: 545–553, illus. — 3 major clades; Eugeissona sister to two clades, one Asian, one Afro-American, reflecting rifting of India in early Cretaceous (but see Gandolfo et al., below) (Palmae–Calamoideae).
- BAKER, W.J., J. DRANSFIELD & T.A. HEDDERSON. 2000. *Phylogeny, character evolution, and a new classification of the calamoid palms*. *Syst. Bot.* 25: 297–322, illus. — 3 tribes (1 new), 9 subtribes (Palmae).
- BAKER, W.J., T.A. HEDDERSON & J. DRANSFIELD. 2000. *Molecular phylogenetics of Calamus (Palmae) and related rattan genera based on 55 nrDNA spacer sequence data*. *Molec. Phylogen. & Evol.* 14: 218–231, illus. — Major lineages in Calamus resolved; needs to be split up.
- BAKER, W.J., T.A. HEDDERSON & J. DRANSFIELD. 2000. *Molecular phylogenetics of subfamily Calamoideae (Palmae) based on nrDNA ITS and cpDNA rps16 intron sequence data*. *Molec. Phylogen. & Evol.* 14: 195–217, illus. — Three main clades, Asian one incl. all Asian genera; Eugeissona not in any of the three.
- BAKER, W.J., C.B. RASMUSSEN, S.C. BARROW, J. DRANSFIELD & T.A. HEDDERSON. 1999. *A phylogenetic study of the palm family (Palmae) based on chloroplast DNA sequences from the trnL–trnF region*. *Pl. Syst. Evol.* 219: 111–126, illus. — Highly conserved, additional data required.
- BALTHAZAR, M. VON & P.K. ENDRESS. 1999. *Floral bract function, flowering process and breeding systems of Sarcandra and Chloranthus (Chloranthaceae)*. *Pl. Syst. Evol.* 218: 161–178, illus.
- BANDYOPADHYAY, S. 1999. *Nomenclatural replacements in Bauhinia (Leguminosae: Caesalpinioideae)*. *Kew Bull.* 54: 974. — Correct citations for subgen Phanera and Piliostigma (incl. Elayuna).
- BANERJEE, L.K. 1999. *Coastal plant communities of the oceanic group of islands: Andaman*. *J. Econ. Tax. Bot.* 22: 651–656, illus.
- BARANOVA, M.A. & C. JEFFREY. 2000. *Stomatographical features in the systematics of the Magnoliaceae*. *Bot. Zur. (Moscow & Leningrad)* 85/6: 35–49. — Magnolioideae with 15 genera.
- BASTMEIJER, J.D. & H. MORCO. 2000. *Cryptocoryne pygmaea Merrill (Araceae) von Busuanga und Palawan (Philippinen)*. *Aqua-Planta* 25: 99–107, illus. (In German). — History, description, cultivation, notes.

- BEHNKE, H.-D. 2000. *Forms and sizes of sieve-element plastids and evolution of the monocotyledons*. In: K.L. Wilson & D.A. Morrison (Eds.), *Monocots*: 163–188, illus. — Various types of use at family level and above.
- BENK-ISEPPON, A.M. & W. MORAWETZ. 2000. *Viburnales: cytological features and a new circumscription*. *Taxon* 49: 5–16, illus. — Distinct from Dipsacales s.s.; *Triplotegia* not studied.
- BODEGOM, S., P.B. PELSER & P.J.A. KESSLER. 1999. *Seedlings of secondary forest tree species of East Kalimantan, Indonesia / Semai-semai pohon hutan sekunder di Kalimantan Timur, Indonesia*. Tropenbos Kalimantan Series 1: 371 pp, illus. — Bilingual identification manual giving many data and colour photographs of 113 most common taxa; illustrated glossary!
- BOYCE, P.C. 1999. *The genus Rhabdophora Hassk. (Araceae–Monsteroideae–Monstereae) in Peninsular Malaysia and Singapore*. *Gard. Bull. Sing.* 51: 183–256, illus. — 15 spp, 2 new; introduction; key to Anadendreae and Monstereae, species; synonymy, descriptions, notes; specimens under species and at end.
- BOYCE, P.C. 2000. *The genus Pothos (Araceae–Pothoideae–Potheae) of Thailand and Indochina*. *Blumea* 45: 147–204, illus. — 14 spp, 4 new, some Malesian; keys; synonymy, descriptions, notes; index to collections, names.
- BREMER, B., et 5 al. 1999. *More characters or more taxa for a robust phylogeny – case study from the Coffee family*. *Syst. Biol.* 48: 413–435, illus. — Percentage of supported nodes within a tree positively correlated with number of characters, negatively with number of taxa; Rubiaceae monophyletic with 3 subfam.
- BRETELER, F.J. 1999. *A revision of Prioria, including Gossweilerodendron, Kingiodendron, Oxystigma, and Pterygodium (Leguminosae–Caesalpinioideae–Detarieae) with emphasis on Africa*. Wageningen Agric. Univ. Pap. 99-3: 1–61, illus. — 13 new comb; keys; synonymy, descriptions, distributions; specimens under taxa and at end.
- BRIGGS, B.G., A.D. MARCHANT, S. GILMORE & C.L. PORTER. 2000. *A molecular phylogeny of Restionaceae and allies*. In: K.L. Wilson & D.A. Morrison (Eds.), *Monocots*: 661–671, illus. — Also Anarthriaceae, Centrolepidaceae, Ecdeiocoleaceae; Centrolepidaceae either sister of Restionaceae, or nested in it, depending on data set and analysis; see also Linder et al., below; Ecdeiocoleaceae closer to Gramineae, both sister to Anarthriaceae, etc. See also Harborne et al., below.
- BROOKER, M.I.H. 2000. *A new classification of the genus Eucalyptus L'Hér. (Myrtaceae)*. *Austr. Syst. Bot.* 13: 79–148, illus. — 13 subgen, incl. *Angophora*, *Corymbia*; numerous new infrageneric taxa, incl. 'supraspecies', not to be confused with super-species; see Ladiges & Udovicic (2000) for comment (Myrtaceae).
- BROWING, J. & K.D. GORDON-GRAY. 2000. *Patterns of fruit morphology in Bolboschoenus (Cyperaceae) and their global distribution*. *S. Afr. J. Bot.* 66: 63–71, illus. — Three types of pattern.

- BRÜCKNER, C. 2000. *Clarification of the carpel number in Papaverales, Capparales, and Berberidaceae*. Bot. Rev. 66: 155–307, illus. — Support for R. Brown's (1817) theory that siliqua is fusion of two carpels, replum formed by placental outgrowths.
- BRUMMITT, R.K. (Ed.). 2000. *Report of the Committee for Spermatophyta: 49*. Taxon 49: 261–278. — Rejection of *Gluta orgyalis* (Euphorbiaceae), *Phaca trifoliata* (Leguminosae), *Poa malabarica* (Gramineae) recommended; conservation of *Acanthospermum* over *Centrospermum* (Compositae), *Bidens* (Compositae) as female, *Boerhaavia diffusa* (Nyctaginaceae) with a new type, *Elionurus* (Gramineae) with that spelling, *Polygonum barbatum* (Polygonaceae) with new type, *Thyrsostachys siamensis* (Gramineae), *Trachelospermum* (Apocynaceae) with new type recommended; Buc'hoz names in Magnoliaceae to be rejected; *Euonymus* (Celastraceae) as feminine, *Nuphar* (Nymphaeaceae) as neuter not recommended; *Celastrus* as feminine not resolved.
- BUJANG, J.S., et 5 al. 1999. *An unreported seagrass in Sabah, Malaysia*. Sabah Parks Nat. J. 2: 1–9, illus. — *Halophila spinulosa*.
- *BULALACAO, L.J. 1997. *Pollen flora of the Philippines, volume 1*. viii, 266 pp, illus. DOST-TAPI-SPU. ISBN 971-718-099-7. — Introduction; multi-lead keys to pollen types, taxa groupings, some families; diagnoses; index on p 155 (!).
- *BURKILL, H.M. 2000. *The useful plants of West Tropical Africa, ed. 2, 5. Families S–Z, Addenda, Corrigenda, Cryptogamata*. xi, 686 pp. — Last volume of the most useful series; 800 spp treated (e.g. *Blighia*, see Chapter XIII).
- BURKS, K.C. & D.F. AUSTIN. 1999. *Ipomoea asarifolia (Convolvulaceae), another potential exotic pest in the United States*. Sida 18: 1267–1272, illus.
- BURTON, C.M. 2000. *Hoya cagayanensis vs. sp. CMF-8*. Hoyan 21: 59–64, illus. — (Asclepiadaceae).
- BURTON, C.M. 2000. *Hoya greenii Kloppenb.* Hoyan 22: 5–7. — 'Good' species (Asclepiadaceae).
- BURTON, C.M. 2000. *Hoya lauterbachii K. Schum.* Hoyan 22: 3–5, illus. — Rediscovery of the species, provenance unknown (Asclepiadaceae).
- BURTON, C.M. 2000. *Hoya macgregorii Schltr.* Hoyan 21: 64–67, illus. — (Asclepiadaceae).
- BURTON, C.M. 2000. *Hoya obscura Elmer ex C.M. Burton.* Hoyan 21: 57–58, illus. — (Asclepiadaceae).
- BURTON, C.M. 2000. *Hoya odorata vs. Hoya paziae*. Hoyan 22: 7–8. — *H. odorata* = *H. cembra*; *H. paziae* description would not agree with the type specimen (Asclepiadaceae).
- BURTON, C.M. 2000. *Hoya vitellinoides Bakh.f.* Hoyan 21: 73–77, illus. — Incl. *H. meredithii* (Asclepiadaceae).

- BURTT, B.L. 1999. *Old World Gesneriaceae: VI. Six miscellaneous notes*. Edinburgh J. Bot. 56: 371–379. — E.g. *Cyrtandra oblongifolia* sensu Kraenzlin = *C. kalimantana*, probably incl. *C. rufa* auct. born.; *C. suffruticosa* on Natuna Isl.
- BUZGO, M. & P.K. ENDRESS. 2000. *Floral structure and development of Acoraceae and its systematic relationships with basal Angiosperms*. Intern. J. Pl. Sci. 161: 23–41, illus. — Apparently closer to Piperales than to other magnoliids.
- CADDICK, L.R., P.J. RUDALL, P. WILKIN & M.W. CHASE. 2000. *Yams and their allies: systematics of Dioscoreales*. In: K.L. Wilson & D.A. Morrison (Eds.), *Monocots*: 475–487, illus. — Inclusion of Burmanniaceae, Thismiaceae supported, that of Petrosavia, Stemonaceae not; Dioscorea enlarged with some dioecious genera; Trichopus closer to Tacca.
- CAFFERTY, S., C.E. JARVIS & N.J. TURLAND (Eds.). 2000. *Typification of Linnaean plant names in the Poaceae*. Taxon 49: 239–260.
- CAFFERTY, S. & A.K. MONRO. 1999. *Typification of Batis maritima L. (Bataceae)*. Novon 9: 490.
- CAIN, M.L., B.G. MILLIGAN & A.E. STRAND. 2000. *Long-distance seed dispersal in plant populations*. Amer. J. Bot. 87: 1217–1227. — More observations needed, genetic methods should be applied; curiously, Van Steenis many arguments against nowhere mentioned.
- CAMERON, K.M. & M.W. CHASE. 2000. *Nuclear 18S rDNA sequences of Orchidaceae confirm the subfamilial status and circumscription of Vanilloideae*. In: K.L. Wilson & D.A. Morrison (Eds.), *Monocots*: 457–464, illus. — But see Freudenstein et al., below.
- CANNON, C.H. & P.S. MANOS. 2000. *The Bornean Lithocarpus Bl. section Synaedrys (Lindl.) Barnett (Fagaceae): its circumscription and description of a new species*. Bot. J. Linn. Soc. 133: 343–357, illus. — Keys.
- CASPER, S.J. 2000. *Die Geschichte des Kanarischen Drachenbaumes in Wissenschaft und Kunst. Vom Arbor gadensis des Posidonius zur Dracaena draco (L.) L. Haussknechtia*, Beih. 10: 1–128, illus. (In German, Engl. summ.). — Natural history of the Dragon-tree (Agavaceae/Dracaenaceae).
- CATALÁN, P. & R.G. OLMSTEAD. 2000. *Phylogenetic reconstruction of the genus Brachypodium P. Beauv. (Poaceae) from combined sequences of chloroplast ndhF gene and nuclear ITS*. Pl. Syst. Evol. 220: 1–19, illus. — Annual Mediterranean *B. distachyon* basal, followed by perennial, non-rhizomatous American *B. mexicanum*, followed by the Eurosiberian rhizomatous perennials; *B. sylvaticum* last to diverge, but most widely spread.
- CHAI, P.K., et 8 al. 1999. *Forest classification*. In: M. Kuswanda, P.K. Chai & I.N.S. Jaya (Eds), *ITTO Borneo Biodiversity Expedition, Scientific Report*, Yokohama: 15–48 (n.v.).

- CHARLTON, W.A. & U. POSLUSZNY. 1999. *Morphological traffic between the inflorescence and the vegetative shoot in helobial monocotyledons*. Bot. Rev. 65: 370–384, illus. — ‘morphological traffic’ = difference between flower and inflorescence not always clear; ‘helobial monocotyledons’ = Alismatidae, but paper mainly on Hydrocharitaceae.
- CHASE, M.W., C.M. MORTON & J.A. KALLUNKI. 1999. *Phylogenetic relationships of Rutaceae: a cladistic analysis of the subfamilies using evidence from rbcL and atpB sequence variation*. Amer. J. Bot. 86: 1191–1199, illus. — Paraphyletic; Simaroubaceae, Meliaceae sister groups; for monophyly some genera of other families to be included, e.g. Cneorum, Harrisonia; none of subfamilies with more than 1 genus monophyletic.
- CHASE, M.W., et 12 al. 2000. *Higher-level systematics of the monocotyledons: an assessment of current knowledge and a new classification*. In: K.L. Wilson & D.A. Morrison (Eds.), Monocots: 3–16, illus. — Monocots monophyletic, weakly supported sister of Eumagnoliids; Acorus sister of all monocots.
- CHEEK, M. & M. JEBB. 1999. *Nepenthes (Nepenthaceae) in Palawan, Philippines*. Kew Bull. 54: 887–895, illus. — 2 endemic species; keys, incl. *N. hirsuta*-, *N. villosa* groups; descriptions, notes.
- CHEN, S. (Ed.). 1999. *Orchidaceae (2)*. Fl. Reipubl. Pop. Sin. 18: xx, 463 pp, illus. — Epidendreae p.p. (genus 55–110).
- CHEN, S.-H., M.-J. WU & S.-M. LI. 1999. *Centratherum punctatum* Cass. ssp. *fruticosum*, a newly naturalized sunflower species in Taiwan. Taiwania 44: 299–305, illus. — (Compositae).
- CHEN, Y. 1999. *Compositae (5) (Senecioneae, Calenduleae)*. Fl. Reipubl. Pop. Sin. 77/1: 369 pp, illus. (In Chinese).
- CHEN, Z.-D., S.R. MANCHESTER & H.-Y. SUN. 1999. *Phylogeny and evolution of the Betulaceae as inferred from DNA sequences, morphology, and paleobotany*. Amer. J. Bot. 86: 1168–1181, illus. — Monophyletic, Casuarinaceae sister group; 2 traditional subfam supported.
- CHRISTENSON, E.A. 1999. *Sarcanthine genera. 25: Tuberculabium*. Orchids 68: 1218–1221, illus. — Popular account of 4 of the 6 spp (Orchidaceae).
- CHRISTENSON, E.A. 2000. *A tale of two Trichoglottis*. Orchids 69: 758–760, illus. — *T. brachiata* and *T. philippinensis* distinct by fragrance components.
- CHUA, L.S.L. 2000. *The flowering phenology and floral biology of Nepenthes macfarlanei (Nepenthaceae) from Mt. Purun, Peninsular Malaysia*. J. Trop. For. Sci. 12: 377–387, illus. — Pistillate plants twice as common as staminate.
- CLARKE, C.M. 1998. *The Nepenthes of Mount Tambuyukon, Kinabalu Park*. Sabah Parks Nat. J. 1: 1–8, illus. — Popular account (Nepenthaceae).
- CLARKE, C.M. 1999. *Nepenthes benstonei (Nepenthaceae), a new pitcher plant from Peninsular Malaysia*. Sandakania 13: 79–87, illus.

- CLAUSING, G., K. MEYER & S.S. RENNER. 2000. *Correlations among fruit traits and evolution of different fruits within Melastomataceae*. Bot. J. Linn. Soc. 133: 303–326, illus. — Emphasis on fruits of Dissochaeteae and Melastoma; evolution of berries and capsules occurred several times.
- COOPER, R.L., J.M. OSBORN & C.T. PHILBRICK. 2000. *Comparative pollen morphology and ultrastructure of the Callitrichaceae*. Amer. J. Bot. 87: 161–175, illus.
- COOTES, J. 2000. *Bulbophyllum blumei* (Lindl.) J.J. Sm. Orchadian 13: 116–117, illus. — Description, cultivation (Orchidaceae)
- CRAVEN, L.A. & B.J. LEPSCHI. 1999. *Enumeration of the species and infraspecific taxa of Melaleuca (Myrtaceae) occurring in Australia and Tasmania*. Austral. Syst. Bot. 12: 819–927. — Annotated checklist of 219 taxa, a few Malesian, 61 new taxa/names; key; synonymy, notes.
- CRAWFORD, D.J. 2000. *Plant macromolecular systematics in the past 50 years: one view*. Taxon 49: 479–501.
- CRAYN, D.M. & C.J. QUINN. 2000. *The evolution of the atp β -rbcL intergenic spacer in the epacrids (Ericales) and its systematic and evolutionary implications*. Molec. Phylogen. Evol. 16: 238–252, illus. — 7 major lineages corresponding with tribes of Crayn et al. (1998); inter-tribal relationships not well-resolved.
- *CRIBB, P. 1998. *The genus Paphiopedilum, second edition*. National History Publications (Borneo), Kota Kinabalu. ISBN 983-812-023-5. — Beautiful.
- CRIBB, P. & P. ORMEROD. 2000. *Notes on Orchidaceae from the Pacific Islands*. Kew Bull. 55: 231–236. — E.g. Pelexia obliqua, adventive from S America; Vanilla tahitiensis, described as V. hirsuta in Papua New Guinea where it has escaped into the forest.
- CROSS, E. 1999. *The systematics of Olearia (Asteraceae)*. Austr. Syst. Bot. Newsl. 101: 18–19. — Genus not monophyletic.
- CUÉNOUD, P., et 5 al. 2000. *Molecular phylogeny and biogeography of the genus Ilex L. (Aquifoliaceae)*. Ann. Bot. 85: 111–122, illus. — Cosmopolitan before end Cretaceous; common ancestor of present taxa from upper Tertiary.
- DAVIES, S.J. 1999. *A new myrmecophytic, thrip-pollinated species of Macaranga from the highlands of Sarawak*. Harvard Pap. Bot. 4: 433–437, illus. — ‘Thrips’, not ‘thrip’ (Euphorbiaceae).
- DAVIES, S.J. & P.S. ASHTON. 1999. *Phenology and fecundity in 11 sympatric pioneer species of Macaranga (Euphorbiaceae) in Borneo*. Amer. J. Bot. 86: 1786–1795, illus.
- DAYANANDAN, S., P.S. ASHTON, S.M. WILLIAMS & R.B. PRIMACK. 1999. *Phylogeny of the tropical tree family Dipterocarpaceae based on nucleotide sequences of the chloroplast rbcL gene*. Amer. J. Bot. 86: 1182–1190, illus. — Monophyletic; in Malvales; Hopea nested in Shorea, esp. sect. Anthoshorea, Doona; placement of Dipterocarpus, Dryobalanops unresolved.

- DIAMOND, P. 1999. *Paederia foetida* (Rubiaceae), new to the flora of North Carolina. *Sida* 18: 1273–1276, illus.
- DIKSHIT, B.K. & G. PANIGRAHI. 1998. *The family Rosaceae in India (Revisionary studies on Potentilla L., Sibbaldia L. & Brachycaulos Dikshit & Panigr.)* 4. iv, 348 pp, illus. — Keys, synonymy, descriptions; discussion on circumscription of *Potentilla* (incl. *Duchesnea*).
- DOUST, A.N. 2000. *Comparative floral ontogeny in Winteraceae*. *Ann. Missouri Bot. Gard.* 87: 366–379, illus. — *Bubbia*, *Drimys*, *Exospermum*, *Tasmania*, *Zygogynum* distinct genera.
- DOWNIE, S.R., D.S. KATZ-DOWNIE & M.F. WATSON. 2000. *A phylogeny of the flowering plant family Apiaceae based on chloroplast DNA *rpl16* and *rpoC1* intron sequences: towards a suprageneric classification of subfamily Apioideae*. *Amer. J. Bot.* 87: 273–292, illus. — Pattern of relationships consistent with other DNA-based phylogenies; 3 new tribes; sequence from base: *Pittosporaceae*, *Araliaceae*, *Hydrocotyloideae* (polyphyletic), *Saniculoideae*.
- DOWNIE, S.R., M.F. WATSON, K. SPALIK & D.S. KATZ-DOWNIE. 2000. *Molecular systematics of Old World Apioideae (Apiaceae): relationships among some members of tribe Peucedaneae sensu lato, the placement of several island-endemic species, and resolution within the apioid superclade*. *Canad. J. Bot.* 78: 506–528, illus.
- DOYLE, J.A. 2000. *Paleobotany, relationships, and geographic history of Winteraceae*. *Ann. Missouri Bot. Gard.* 87: 303–316, illus.
- DRANSFIELD, S. 2000. *Schizostachyum khoonmengii, a new species of bamboo (Poaceae–Bambusoideae) from Brunei Darussalam*. *Kew Bull.* 55: 491–494, illus.
- DRANSFIELD, S. & E.A. WIDJAJA. 2000. *Dinochloa matmat, new bamboo species (Poaceae–Bambusoideae) from Java, Indonesia*. *Kew Bull.* 55: 495–497, illus.
- DUTTA, R. 1999. *On the identity of two species of Hedyotis (Rubiaceae)*. *J. Econ. Taxon. Bot.* 23: 733–735. — Attempt to disentangle *Oldenlandia biflora* and *H. herbacea*; new comb in *Hedyotis* for first.
- DUVALL, M.R. 2000. *Seeking the dicot sister group of the monocots*. In: K.L. Wilson & D.A. Morrison (Eds.), *Monocots*: 25–32, illus. — Not resolved; somewhere among *Aristolochiaceae*, *Nymphaeales*, *Piperaceae*, *Saururaceae*.
- *EDWARDS, P. (Ed.) 1999. *The journals of Captain Cook*. xiv, 57 pp, illus., Penguin books. ISBN 0-14-043647-2. GBP 8.99, CAD 14.99, USD 9.95. — Abridged edition, very worthwhile for the early exploration of Malesia, Australia and the Pacific.
- EHRENDORFER, F. & M. LAMBROU. 2000. *Chromosomes of Takhtajania, other Winteraceae, and Canellaceae: phylogenetic implications*. *Ann. Missouri Bot. Gard.* 87: 407–413, illus.
- EHRENFELD, J.G. 1999. *A rhizomatous, perennial form of Microstegium vimineum (Trin.) A. Camus in New Jersey*. *J. Torrey Bot. Soc.* 126: 352–358, illus. — (Gramineae).

- ELDENÄS, P., M. KÄLLERSJÖ & A.A. ANDERBERG. 1999. *Phylogenetic placement and circumscription of tribes Inuleae s.str. and Plucheeae (Asteraceae): evidence from sequences of chloroplast gene ndhF*. *Molec. Phylogen. & Evol.* 13: 50–58, illus. — Anisopappus close to Athroisma and Heliantheae.
- ENDO, Y. & H. OHASHI. 1999. *Morphological variation and distribution of the cotyledon areoles in Papilionoideae (Leguminosae) and their systematic utility*. *J. Jap. Bot.* 74: 296–306, illus. — Generally similar within a genus.
- ENDRESS, M.E. & P.V. BRUYNS. 2000. *A revised classification of the Apocynaceae s.l.* *Bot. Rev.* 66: 1–56, illus. — Incl. Asclepiadaceae, Periplocaceae; keys to subfam (5), tribes (19); enumeration of genera.
- ENDRESS, P.K., P. BAAS & M. GREGORY. 2000. *Systematic plant morphology and anatomy – 50 years of progress*. *Taxon* 49: 401–434, illus. — Very extensive bibliography.
- ENDRESS, P.K. & A. IGRSHEIM. 1999. *Gynoecium diversity and systematics of the basal eudicots*. *Bot. J. Linn. Soc.* 130: 305–393, illus.
- ENDRESS, P.K., A. IGRSHEIM, F.B. SAMPSON & G.E. SCHATZ. 2000. *Floral structure of Takhtajania and its systematic position in Winteraceae*. *Ann. Missouri Bot. Gard.* 87: 347–365, illus.
- ENGEL, D.H. & S. PHUMMAI. 2000. *What's That Tree? A Field Guide to Tropical Plants of Asia*. Times Editions, Singapore. ISBN 981-204-917-7. Paperback. 279 pp. Numerous colored photographs. USD 29.90. Online bookstore: <http://www.timesone.com.sg/te>. — See Reviews.
- ERFKAMP, J. & O. GRUB. 2000. *Dendrobium sulawesiense. Eine neue Art der Gattung Dendrobium aus Sulawesi*. *Orchidee* 51: 57–60, illus. (In German & English). — Description, cultivation (Orchidaceae).
- ERVIK, F. & A. BARFOD. 1999. *Thermogenesis in palm inflorescences and its ecological significance*. *Acta Bot. Venez.* 22: 195–212, illus. — Usually associated with beetle pollination (Palmae).
- ESSIG, F.B., T.J. MANKA & L. BUSSARD. 1999. *A systematic histological study of palm fruits. III. Subtribe Iguanurinae (Arecaceae)*. *Brittonia* 51: 307–325, illus. — Useful at generic level.
- ESTRADA, E. & M. MARTÍNEZ. 1999. *Physalis L. (Solanoideae: Solaneae) and allied genera: I. A morphology-based cladistic analysis*. In: M. Nee et al. (Eds.), *Solanaceae IV*: 139–159, illus.
- EVANS, R.C. & T.A. DICKINSON. 1999. *Floral ontogeny and morphology in subfamily Amygdaloideae T. & G. (Rosaceae)*. *Intern. J. Pl. Sci.* 160: 955–979, illus.
- EVANS, R.C. & T.A. DICKINSON. 1999. *Floral ontogeny and morphology in subfamily Spiraeoideae Endl. (Rosaceae)*. *Intern. J. Pl. Sci.* 160: 981–1012, illus. — Artificial, polyphyletic group.

- EVANS, T.M., R.B. FADEN & K.J. SYTSMA. 2000. *Homoplasy in the Commelinaceae: a comparison of different classes of morphological characters*. In: K.L. Wilson & D.A. Morrison (Eds.), *Monocots*: 557–566, illus. — Incongruence between morphological and molecular datasets.
- FADEN, R.B. 2000. *Floral biology of Commelinaceae*. In: K.L. Wilson & D.A. Morrison (Eds.), *Monocots*: 309–317, illus.
- FANTZ, P.R. 2000. *Nomenclatural notes on the genus Clitoria for the Flora North America Project*. *Castanea* 65: 89–92. — History of names.
- FAY, M.F., et 11 al. 2000. *Phylogenetic studies of Asparagales based on four plastid DNA regions*. In: K.L. Wilson & D.A. Morrison (Eds.), *Monocots*: 360–371, illus. — Refinement of previous analyses usually supporting them; recognition of many ‘split’-families of classical Liliaceae.
- FEDOTOVA, T.A. 1999. *Structural organization of seed cover in the Rubiaceae s.l.: diversity, general patterns, taxonomic implications, specialization*. *Bot. Zur. (Moscow & Leningrad)* 84/11: 17–35 (In Russian, Engl. summ.). — Most subfam heterogeneous.
- FERGUSON, M.E., N. MAXTED, M. VAN SLAGEREN & L.D. ROBERTSON. 2000. *A reassessment of the taxonomy of Lens Mill. (Leguminosae, Papilionoideae, Viciae)*. *Bot. J. Linn. Soc.* 133: 41–59, illus. — 7 taxa, 2 new comb; key, synonymy, descriptions, notes.
- FESSEL, H., E. LÜCKEL & J. RÖTH. 1999. *Dendrobium ionopus Rchb.f., eine vielfach übersehene Art von den Philippinen, oft unter anderen Namen kultiviert und verkauft*. *Orchidee* 50: 432–434, illus. (In German, Engl. summ.). — Usually called *D. guerrei* or *D. epidendropsis*; history, description (Orchidaceae).
- FESSEL, H., E. LÜCKEL & J. RÖTH. 1999. *Phalaenopsis lueddemanniana var. ochracea und ihre gelben, gestreiften Verwandten von den Philippinen*. *Orchidee* 50: 545–549, illus. (In German, Engl. summ.). — Brief notes on taxa of section *Zebrinae* (Orchidaceae).
- FESSEL, H., E. LÜCKEL & J. RÖTH. 2000. *Neubeschreibung der Art Dendrobium pseudo-equitans mit einer Richtigstellung zum oft falsch verwendeten Artnamen Dendrobium equitans*. *Orchidee* 51: 83–85, illus. (In German, Engl. summ.). — (Orchidaceae).
- FESSEL, H.H. 1999. *Dendrobium tobaense J.J. Wood & J.B. Comber 1993*. *Orchidee* 50, *Orchideenkartei*: 907–908, illus. (In German). — Description, cultivation, notes (Orchidaceae).
- FESSEL, H.H. 2000. *Bulbophyllum maquilingense under der Mount Makiling in Zentral-Luzon, Philippinen*. *Orchidee* 51: 294–295, illus. (In German, Engl. summ.). — (Orchidaceae).
- FIALA, B., A. JAKOB, U. MASCHWITZ & K.E. LINSENMAIR. 1999. *Diversity, evolutionary specialization and geographic distribution of a mutualistic ant-plant complex: Macaranga and Crematogaster in South East Asia*. *Biol. J. Linn. Soc.* 66: 305–331, illus. — (Euphorbiaceae).

- FIELD, T.S., M.A. ZWIENIECKI & N.M. HOLBROOK. 2000. *Winteraceae evolution: an ecophysiological perspective*. Ann. Missouri Bot. Gard. 87: 323–334, illus.
- FINKELDEY, R., N. DE GUZMAN & S. CHANGTRAGOON. 1999. *The mating system of Pterocarpus indicus Willd. at Mt. Makiling, Philippines*. Biotropica 31: 525–530, illus. — Outbreeding; pollinator unknown, but very efficient over many hundreds of meters ensuring high gene flow among remote individuals (Leguminosae).
- FORSTER, P.I. 1999. *A taxonomic revision of Bridelia Willd. (Euphorbiaceae) in Australia*. Austrobaileya 5: 405–419, illus. — 5 spp, 1 new, 2 Malesian; key; synonymy, descriptions, notes; selected Australian specimens under taxa.
- FORSTER, P.I. 1999. *A taxonomic revision of Mallotus Lour. (Euphorbiaceae) in Australia*. Austrobaileya 5: 457–497, illus. — 13 spp, 2 new, 1 new comb, 7 Malesian; key; synonymy, descriptions, notes; selected Australian specimens under taxa.
- FORSTER, P.I., D.J. LIDDLE & I.M. LIDDLE. 2000. *The genus Hoya R.Br. (Asclepiadaceae: Marsdenieae) as commonly cultivated in Australia*. Fraterna 13/2: 10–15, illus. — Key.
- FORSTER, P.I., D.J. LIDDLE & I.M. LIDDLE. 2000. *The genus Hoya R.Br. (Asclepiadaceae: Marsdenieae, as commonly cultivated in Australia*. Fraterna 13/3: 11–16. — Diagnoses of 37 spp, several Malesian.
- FORTUNE HOPKINS, H.C. 2000. *Identity and dispersal of Aleurites erratica (Euphorbiaceae), a Pacific drift seed synonymised with Omphalea papuana*. Kew Bull. 55: 109–122, illus.
- FORTUNE HOPKINS, H.C. 2000. *Parkia paya (Leguminosae: Mimosoideae), a new species from swamp forest and notes on variation in Parkia speciosa sensu lato in Malesia*. Kew Bull. 55: 123–132, illus.
- FRAZIER, C.P. 2000. *The enduring controversies concerning the process of protein digestion in Nepenthes (Nepenthaceae)*. Carniv. Pl. Newsl. 29: 56–51. — Summary; protease (nepenthesin) secreted by pitchers, active at low pH (2–3), in later stages bacterial and fungal proteases may become active at high pH (6–8); but is this so in all species?
- FREEMAN, C.E. & R. SCOGIN. 1999. *Potential utility of chloroplast trnL (UAA) gene intron sequences for inferring phylogeny in Scrophulariaceae*. Aliso 18: 141–159, illus.
- FREUDENSTEIN, J.V. 1999. *Relationships and character transformation in Pyroloideae (Ericaceae) based on ITS sequences, morphology and development*. Syst. Bot. 24: 398–408, illus.
- FREUDENSTEIN, J.V., D.M. SENYO & M.W. CHASE. 2000. *Mitochondrial DNA and relationships in the Orchidaceae*. In: K.L. Wilson & D.A. Morrison (Eds.), Monocots: 421–429, illus. — Apostasioideae, Cypripedioideae, Orchidoideae (incl. Spiranthoideae), supported; Epidendroideae perhaps paraphyletic; Vanilloideae not supported (but see Cameron & Chase, above).

- FREY, L. 1999. *Avenella* – a genus of the *Aveneae* (*Poaceae*) worthy of recognition. *Fragm. Florist. Geobot., Suppl.* 7: 27–32, illus. — For *Deschampsia flexuosa*.
- FRITSCH, P.W. 1999. *Phylogeny of Styrax based on morphological characters, with implications for biogeography and infrageneric classification*. *Syst. Bot.* 24: 356–378, illus. — Revised infrageneric classification, 2 new comb; key; descriptions of sections, series.
- FRYXELL, P.A. 1999. *Pavonia Cavanilles* (*Malvaceae*). *Fl. Neotrop. Monogr.* 76: 285 pp, illus. — Full revision of 250 spp (24 new), new combinations, new names; introduction, keys; synonymy, description, notes; indices, e.g. to collectors.
- GALETTO, L., et 5 al. 2000. *Reproductive biology of Erythrina crista-galli* (*Fabaceae*). *Ann. Missouri Bot. Gard.* 87: 127–145, illus.
- GANDAWIDJAJA, D. 1999. *Orchids*. In: M. Kuswanda, P.K. Chai & I.N.S. Jaya (Eds.), *ITTO Borneo Biodiversity Expedition, Scientific Report*, Yokohama: 88–93 (n.v.).
- GANDOLFO, M.A., K.C. NIXON & W.L. CREPET. 2000. *Monocotyledons: a review of their Early Cretaceous record*. In: K.L. Wilson & D.A. Morrison (Eds.), *Monocots*: 44–51, illus. — Dubious claim, first unequivocal record is from early Upper Cretaceous.
- GANG, H., R.M.K. SAUNDERS & M.-L. CHYE. 2000. *A phylogenetic analysis of the Illiciaceae based on sequences of internal transcribed spacers (ITS) of nuclear ribosomal DNA*. *Pl. Syst. Evol.* 223: 81–90, illus. — Present sections unnatural; some congruence with palynological evidence.
- GARAY, L.A. & G.A. ROMERO-GONZALEZ. 1999. *Schedulae orchidum*. *Harvard Pap. Bot.* 4: 475–488, illus. — 1 new name for Philippine *Bulbophyllum*; 3 new comb for *Epigeneium*, key to 3 sections, 2 new; 1 new comb in *Ferruminaria*; key to sections of *Liparis* (*Orchidaceae*).
- GARDNER, R.O. 1999. *Notes on the fruit and seed of Homalanthus* (*Euphorbiaceae*). *Adansonia* III, 21: 301–305, illus.
- GERRATH, J.M., C.R. LACROIX & U. POSLUSZNY. 1998. *Phyllotaxis in the Vitaceae*. In: R. Jean & D. Barabé, *Symmetry in plants*: 89–107, illus.
- GHEBREHIWET, M., B. BREMER & M. THULIN. 2000. *Phylogeny of the tribe Antirrhineae (Scrophulariaceae) based on morphological and ndhF sequence data*. *Pl. Syst. Evol.* 220: 223–239, illus. — 4 major clades linked to pollinators.
- *GOVAERTS, R., D.G. FRODIN & A. RADCLIFFE-SMITH. 2000. *World checklist and bibliography of Euphorbiaceae (with Pandaceae) 1–4*. x, viii, ix, x, 1621 pp, illus. Royal Botanic Gardens, Kew. ISBN 1-900347-83-0, 1-900347-84-9, 1-900347-85-7, 1-900347-86-5, resp. — Essential reference work for any student of the family.
- GRANT, M., S. BLACKMORE & C. MORTON. 2000. *Pollen morphology of the subfamily Aurantioideae (Rutaceae)*. *Grana* 39: 8–20, illus. — 5 types with a general high congruence with taxonomy.

- GRAVENDEEL, B. & E.F. DE VOGEL. 1999. *Revision of Coelogyne section Speciosae (Orchidaceae)*. Blumea 44: 253–320, illus. — 16 spp, 1 new, 1 dubious, 3 new comb; keys; synonymy, descriptions, notes.
- GREEN, T. 2000. *A new Sabah, Malaysia, Hoya species. A Hoya adaptation – Hoya lambii Green*. Fraterna 13/2: 2–3, frontisp. — Leaves trap debris (Asclepiadaceae).
- GREEN, T. 2000. *Hoya hypolasia Schlechter*. Fraterna 13/3: 7–9, illus. — Coarse photocopy of type sheet (Asclepiadaceae).
- GRIMES, J. 1999. *Inflorescence morphology, heterochrony, and phylogeny in the mimoid tribes Ingeae and Acacieae (Leguminosae: Mimosoideae)*. Bot. Rev. 65: 317–347, illus.
- GRÜß, O. 2000. *Primärhybriden – reizvolle Ergänzung der Natur. Eine nur wenig bekannte Zuchtrichtung, die Züchtung mit den Arten der Gattung Kingidium*. Orchidee 51: 47–52, illus. (In German, Engl. summ.). — Nomenclature, hybrids (Orchidaceae).
- GRÜß, O. & J. RÖTH. 1999. *Paphiopedilum bougainvilleanum var. saskianum, eine neue und interessante Sippe von der Salomoninsel Malaita*. Orchidee 50: 533–535, illus. (In German, Engl. summ.). — (Orchidaceae).
- GUHARDJA, E., M. FATAWI, M. SUTISNA, T. MORI & S. OHTA (Eds.). 2000. *Rainforest ecosystems of East Kalimantan*. Ecol. Stud. 140: xxviii, 330 pp. — 28 chapters on climate, fires, forest, forestry, human impact, nature conservation, nutrient economy, phenology of dipterocarps.
- GUO, F.-G. & Y.-H. LI. 2000. *Numerical taxonomy of three Dodders*. Acta Bot. Yunnan. 22: 263–267, illus. (In Chinese, Engl. summ.). — *Cuscuta reflexa* with 3 unnamed var. (Cuscutaceae).
- HAEGENS, R. 2000. *Taxonomy, phylogeny, and biogeography of Baccaurea, Distichirhops, and Nothobaccaurea (Euphorbiaceae)*. Blumea, Suppl. 12: 1–218, illus. — Thesis; revision; 3 gen (2 new), 48 spp (4); keys, descriptions, notes, identification list.
- HAHN, W.J. & K.J. SYTSMA. 1999. *Molecular systematics and biogeography of the Southeast Asian genus Caryota (Palmae)*. Syst. Bot. 24: 558–580, illus.
- *HAJRA, P.K., P.S.N. RAO & V. MUGDAL. 1999. *Flora of Andaman & Nicobar Islands. Volume I (Ranunculaceae to Combretaceae)*. Botanical Survey of India, Calcutta. No ISBN. 487 pp, illus. — Probably very useful for adjoining Burma and Peninsular Malaysia as well, as the flora is much more SE Asian than Indian.
- HAM, R.W.J.M. VAN DER. 1999. *Pollen morphology of Bayabusua (Cucurbitaceae) and its allies*. Sandakania 13: 17–22, illus.
- HANSEN, B. 1999. *Balanophora species published 1971–1998, mostly from China and Japan*. Nordic J. Bot. 19: 641–642. — E.g. *B. hansenii* = *B. elongata* (Balanophoraceae).

- HANSEN, B. & L. PHUPHATPHANAPHONG. 1999. *Two new species of Aristolochia (Aristolochiaceae) from Thailand*. Nordic J. Bot. 19: 575–579, illus. — New keys to Thai species.
- HARBORNE, J.B. 2000. *Arsenal for survival: secondary plant products*. Taxon 49: 435–449, illus. — 50 years of plant chemosystematics employing secondary products.
- HARBORNE, J.B., C.A. WILLIAMS, B.G. BRIGGS & L.A.S. JOHNSON. 2000. *Flavonoid patterns and the phylogeny of Restionaceae*. In: K.L. Wilson & D.A. Morrison (Eds.), Monocots: 672–675, illus. — Ecdeiocoleaceae closer to Gramineae than to Restionaceae! See also Briggs et al., above.
- HARDER, D.K. 2000. *Typification and new combinations in Abrus Adanson (Fabaceae, Faboideae, Abreae)*. Novon 10: 124. — A Hasskarl name lectotypified by a Horsfield collection in K? More likely a neotype as allowed under Art. 9.8. A better and fruiting neotype must be appointed, but the name is only a synonym of *A. fruticosus* [Breteler, Blumea 10 (1960) 614, 615; not discussed by Harder], necessitating new combinations for the 2 subsp here recognised.
- HARRIMAN, N.A. 1999. *Orthodon vs Mosla (Lamiaceae)*. Sida 18: 929–930. — *Orthodon* later homonym, *Mosla* is correct.
- HARRIS, E.M. 1999. *Capitula in Asteridae: a widespread and varied phenomenon*. Bot. Rev. 65: 348–369, illus.
- HARRIS, P.J. 2000. *Compositions of monocotyledon cell walls: implications for biosystematics*. In: K.L. Wilson & D.A. Morrison (Eds.), Monocots: 114–126, illus. — Presence/absence of ester-linked ferulic acid in cell-walls separates commelinoids from other monocots; Poales have a special chemical absent in other commelinoids; Palmae have ferulic acid, but polysaccharoids of non-commelinoids.
- HARRIS, W.K. & R.A. FENSOME. 2000. *Proposal to conserve the name Diphyes Cookson (Dinophyceae) against Diphyes Blume (Orchidaceae)*. Taxon 49: 281–282.
- HAWKES, J.G. 1999. *The economic importance of the family Solanaceae*. In: M. Nee et al. (Eds.), Solanaceae IV: 1–8.
- HAY, A. 1999. *The genus Alocasia (Araceae–Colocasieae) in the Philippines*. Gard. Bull. Sing. 51: 1–41, illus. — 14 spp, 4 new; key; synonymy, descriptions, notes; specimens under taxa.
- HAY, A. 2000. *Alocasia nebula. Araceae*. Curtis's Bot. Mag. 17: 14–18, illus. — From Sarawak.
- HAYDEN, W.J. & S.M. HAYDEN. 2000. *Wood anatomy of Acalyphoideae (Euphorbiaceae)* IAWA J. 21: 213–235, illus. — Alchorneae supported; Pandaceae, Peraceae not distinct.
- HEISER, C.B. 1987. *Origins of Solanum lasiocarpum and S. repandum*. Amer. J. Bot. 74: 1045–1048, illus. — *S. lasiocarpum* perhaps ancient Spanish introduction of *S. candidum* from S America; *S. repandum* derived from *S. candidum* or *S. lasiocarpum* (Solanaceae).

- *HENDERSON, A. & F. BORCHSENIUS (Eds.). 1999. *Evolution, variation, and classification of palms*. Mem. New York Bot. Gard. 83: xi, 324 pp, illus. ISSN 0077-8931. — Proceedings of the meeting Evolution, variation, and classification of palms, June 1997, New York (Palmae).
- HENDERSON, A. & D. RODRIGUEZ. 1999. *Raphides in palm anthers*. Acta Bot. Venez. 22: 45–55, illus. — Significance uncertain (Palmae).
- HENDRIAN & D.J. MIDDLETON. 1999. *Revision of Rauvolfia (Apocynaceae) in Malesia*. Blumea 44: 449–470, illus. — 9 spp, 2 new; key; synonymy, descriptions, notes, index to collections.
- HESSE, M., M. WEBER & H.-M. HALBRITER. 1999. *Pollen walls of Araceae, with special reference to their fossilization potential*. Grana 38: 203–209, illus. — Pollen wall strata have an unusual composition and may not be resistant to acetolysis and fossilization.
- HILL, K.D. & L.A.S. JOHNSON. 2000. *Systematic studies in the eucalypts. 10. New tropical and subtropical eucalypts from Australia and New Guinea (Eucalyptus, Myrtaceae)*. Telopea 8: 503–539, illus. — Descriptions, some partial keys.
- HILL, R.S. & T.J. BRODRIBB. 1999. *Southern conifers in time and space*. Austr. J. Bot. 47: 639–696, illus. — (Araucariaceae, Cupressaceae, Podocarpaceae).
- HILLIARD, O.M. & B.L. BURTT. 1999. *Towards a revision of Agalmyla (Gesneriaceae)*. Blumea 44: 381–389. — 6 new spp, 3 new comb.
- HILU, K.W. & L.A. ALICE. 1999. *Evolutionary implications of matK indels in Poaceae*. Amer. J. Bot. 86: 1735–1741, illus. — Support of recent classifications.
- HILU, K.W., L.A. ALICE & H. LIANG. 1999. *Phylogeny of Poaceae inferred from matK sequences*. Ann. Missouri Bot. Gard. 86: 835–851, illus. — Consistent with other recent phylogenies.
- HO, T.-N. & S.-W. LIU. 2000. *New names, new combinations and taxonomic notes of Gentiana (Gentianaceae) from South and Southeast Asia*. Acta Phytotax. Sin. 38: 10–12. — Several Malesian; *G. timida* (N Thailand) reduced to var. of *G. loerzingii* (N Sumatra).
- HOFFMANN, P. 1999. *New taxa and new combinations in Asian Antidesma (Euphorbiaceae)*. Kew Bull. 54: 347–362, illus.
- HOLTUM, R.E. 1999. *Tropical botanic gardens, past, present and future*. Gard. Bull. Sing. 51: 27–139. — Keynote address of the International Symposium on Botanic Gardens of the Tropics, Penang, 1984.
- HONG, Q. 1999. *Floristic analysis of vascular plant genera of North America north of Mexico: characteristics of phytogeography*. J. Biogeogr. 26: 1307–1321, illus. — Among others a discussion on amphi-Pacific tropical distribution.
- HOWCROFT, N.H.S. 1999. *A new Bulbophyllum (Orchidaceae) species from the Crater Mountain area in Papua New Guinea*. Sida 18: 1019–1023, illus.

- HSIEH, C.-F., J.-C. WANG & C.-N. WANG. 1999. *Staurogyne debilis* (T. Anders.) C.B. Clarke (Acanthaceae) in Taiwan. *Taiwania* 44: 306–310, illus.
- HSIEH, T.-H. 2000. *Revision of Mazus Lour. (Scrophulariaceae) in Taiwan*. *Taiwania* 45: 131–146, illus. — 6 spp (2 Malesian); key; synonymy, descriptions, palynology.
- HSIEH, T.-H. & K.-C. YANG. 1999. *Sonerila Roxb. (Melastomataceae), a new generic record for the flora of Taiwan*. *Taiwania* 44: 529–532, frontispiece, illus. — *Sonerila tenera*.
- HSU, T.-W. & C.-S. KUOH. 1999. *Cayratia maritima B.R. Jackes (Vitaceae), a new addition to the flora of Taiwan*. *Bot. Bull. Acad. Sin.* 40: 329–332, illus. — *Cayratia* 2 spp in Taiwan; key; synonymy, descriptions.
- HU, J.-M., M. LAVIN, M.F. WOJCIECHOWSKI & M.J. SANDERSON. 2000. *Phylogenetic systematics of the tribe Millettieae (Leguminosae) based on chloroplast trnK/matK sequences and its implications for evolutionary patterns in Papilionoideae*. *Amer. J. Bot.* 87: 418–430, illus.
- HUANG, L.-Q., C.-X. YUE, J.-H. ZHENG & J.-R. CHENG. 1999. *SEM examination on seed coat of Trichosanthes and its taxonomic significance*. *Bull. Bot. Res. (Harbin)* 19: 298–301. (In Chinese, Engl. summ.). — 4 types of surface supporting 4 sections (Cucurbitaceae).
- HUI, C. & P.P.-H. BUT. 1999. *Molecular evidences on separation and combination of the genera Elephantopus L. and Pseudelephantopus Rohr (Compositae) in China*. *J. Trop. & Subtrop. Bot.* 7: 181–190, illus. — *E. mollis* and *E. scaber* resemble each other more than *P. spicatus*.
- HUYSMANS, S., E. ROBBRECHT, P. DELPRETE & E. SMETS. 1999. *Pollen morphological support for the Catesbaeeae–Chiococceae–Exostema-complex (Rubiaceae)*. *Grana* 38: 325–338, illus. — *Mastixiodendron* excluded.
- IINUMA, M., N. MATSUURA & D. MADULID. 1993. *Chemotaxonomic study of Euchresta formosana (Leguminosae) from the Philippines and Formosa*. *Nat. Mus. Pap.* 4: 59–67, illus. — Philippine material of *Euchresta horsfieldii* is *E. formosana*.
- IMKHANITSKAYA, N.N. 2000. *The Cucurbitaceae plants in A. Chamisso and J.F. Eschscholtz collections kept in the V.L. Komarov Botanical Institute Herbarium (St. Petersburg, LE)*. *Bot. Zur. (Moscow & Leningrad)* 85/6: 106–118 (In Russian, Engl. summ.). — Some types for Malesian taxa.
- INDSTO, J.O. & P.H. WESTON. 2000. *Near-ultraviolet reflectance in Dendrobium (Orchidaceae)*. In: K.L. Wilson & D.A. Morrison (Eds.), *Monocots*: 326–334, illus. — Pronounced ‘bullseye’ effect; presence and development appear to be congruent with molecular phylogenies.
- ITO, M., A. KAWAMOTO, Y. KITA, T. YUKAWA & S. KURITA. 1999. *Phylogenetic relationships of Amaryllidaceae based on matK sequence data*. *J. Pl. Res.* 112: 207–216, illus. — Monophyletic; originally from Africa.

- ITO, M., et 5 al. 2000. *Phylogeny and phylogeography of Eupatorium (Eupatorieae, Asteraceae): insights from sequence data of the nrDNA ITS regions and cpDNA RFLP*. J. Pl. Res. 113: 78–89, illus. — Eupatorium s.s. in Eurasia derived from *E. cannabinum*; this derived from American ancestor; in America 3 groups.
- ITO, M., et 6 al. 2000. *Molecular phylogeny of Eupatorieae (Asteraceae) estimated from cpDNA RFLP and its implication for the polyploid origin hypothesis of the tribe*. J. Pl. Res. 113: 91–96, illus. — Polyploid origin supported as well as splitting up of Eupatorium s.l. by R.M. King & H. Robinson.
- ITOH, J.-I. 1999. *Comparative studies on leaf epidermal features in Poaceae*. Phytomorphology 49: 315–324, illus. — Comparison of blade, sheath and ligular area in 22 species.
- JAGTAP, A.P. & N.P. SINGH. 1999. *Asclepiadaceae, Periplocaceae*. Fasc. Fl. India 24: 1–284, illus. — Ascl.: 43 gen, 243 spp & var; Per.: 12 gen, 20 spp & var.
- JANSEN, S., P. BAAS & E. SMETS. 2000. *Vestured pits in Malvales s.l.: a character with taxonomic significance hidden in the secondary xylem*. Taxon 49: 169–182, illus. — Monophyly of core Malvales supported by lack of vestured pits; three other malvanean lineages supported by presence.
- JANSEN, S., S. DESSEIN, F. PIESSCHAERT, E. ROBBRECHT & E. SMETS. 2000. *Aluminium accumulation in leaves of Rubiaceae: systematic and phylogenetic implications*. Ann. Bot. 85: 91–101, illus. — More or less restricted to basal taxa of Rubioideae.
- JANSEN, S., F. PIESSCHAERT & E. SMETS. 2000. *Wood anatomy of Elaeagnaceae, with comments on vestured pits, helical thickenings, and systematic relationships*. Amer. J. Bot. 87: 20–28, illus. — Family rather isolated in the Rosales.
- JANSEN, S., E. ROBBRECHT, H. BEECKMAN & E. SMETS. 2000. *Aluminium accumulation in Rubiaceae: an additional character for the delimitation of the subfamily Rubioideae?* IAWA J. 21: 197–212, illus. — Accumulation more frequently in leaves than in wood; almost limited to Rubioideae, but not in all tribes.
- JENNY, R. & H. FESSEL. 1999. *Trichoglottis philippinensis var. brachiata (Ames) L.O. Wms. 1938*. Orchidee 50, Orchideenkartei: 907–908, illus. (In German). — Description, cultivation, history (Orchidaceae).
- JENNY, R. & H. FESSEL. 1999. *Staurochilus fasciatus (Rchb.f.) Ridley 1896*. Orchidee 50, Orchideenkartei: 911–912, illus. (In German). — Distribution, description, cultivation, notes (Orchidaceae).
- JIN, P.L., et 5 al. 2000. *Intergeneric and interspecific relationships in Araceae tribe Caladieae and development of molecular markers using amplified fragment length polymorphism (AFLP)*. Ann. Bot. 85: 371–378, illus. — *C. bicolor* distinct from *C. humboldtii*; *C. lindenii* true *Caladium*; *Caladium*, *Xanthostoma* distinct; *Caladieae*, *Colocasieae* distinct; *Hapaline* to *Caladieae*; *Protarum* basal.
- JOHNSON, D.V. & P.T. ENG. 1999. *C.X. Furtado (1897–1980): contributions to the study of palms*. Gard. Bull. Sing. 51: 141–150, illus. — Brief biography, literature list on *Palmae*; travels; autobiographic note.

- JORDAN, G.J. & R.S. HILL. 1999. *The phylogenetic affinities of Nothofagus (Nothofagaceae) leaf fossils based on combined molecular and morphological data*. Intern. J. Pl. Sci. 160: 1177–1188, illus. — Title misleading: molecular data from extant taxa; many branches unresolved, so little can be said on the phylogeny based on the data used.
- KÄLLERSJÖ, M., G. BERGQVIST & A.A. ANDERBERG. 2000. *Generic realignment in primulid families of the Ericales s.l.: a phylogenetic analysis based on DNA sequences from three chloroplast genes and morphology*. Amer. J. Bot. 87: 1325–1341, illus. — Myrsinaceae, Primulaceae, Theophrastaceae; Maesa sister to all three; Theophrastaceae well-supported, the others paraphyletic; some genera to be transferred, e.g. Anagallis, Lysimachia to Myrsinaceae.
- KÄREHED, J., J. LUNDBERG, B. BREMER & K. BREMER. 1999. *Evolution of the Australasian families Alseuosmiaceae, Argophyllaceae, and Phellinaceae*. Syst. Bot. 24: 660–682, illus. — Together a distinct clade within the Asterales.
- KAROL, K.G., Y. SUH, G.E. SCHATZ & E.A. ZIMMER. 2000. *Molecular evidence for the phylogenetic position of Takhtajania in the Winteraceae: inference from nuclear ribosomal and chloroplast gene spacer sequences*. Ann. Missouri Bot. Gard. 87: 414–432, illus. — Takhtajania basal, Tasmannia next branch.
- KAUF, F., P.J. RUDALL & J.G. CONRAN. 2000. *Systematic root anatomy of Asparagales and other monocotyledons*. Pl. Syst. Evol. 223: 139–154, illus. — Many features due to convergence.
- KENNEDY, H. 2000. *Diversification in pollination mechanisms in the Marantaceae*. In: K.L. Wilson & D.A. Morrison (Eds.), Monocots: 335–343, illus.
- *KERBY, J., S. ELLIOTT, J.F. MAXWELL, D. BLAKESLEY & V. ANUSARNSUNTHORN. 2000. *Tree seeds and seedlings for restoring forests in northern Thailand*. Biology Dept., Chiang Mai University, Thailand. viii, 151 pp, illus. ISBN 974-85306-6-3. Baht 150 + 20, overseas order through scopplrn@chiangmai.ac.th — Although for N Thailand, this manual can be used elsewhere as well; methods; descriptions of 45 spp; key to young seedlings; descriptions; propagation recommendations; good illustrations!
- KEBLER, P.J.A. & K. SIDIYASA. 1999. *Pohon-pohon hutan Kalimantan Timur*. Tropenbos Kalimantan Series 2: 472 pp, illus. ISBN 90-5113-036-8. — Manual to 280 selected tree species; keys, descriptions, beautifully illustrated.
- KIEW, R. 1999. *Reappraisal of Olea species in Malesia*. Gard. Bull. Sing. 51: 85–98, illus. — 4 species groups, 10 spp, 1 new, 3 new comb; key; synonymy, notes (Oleaceae).
- KIEW, R. 1999. *The Singapore Botanic Gardens herbarium – 125 years of history*. Gard. Bull. Sing. 51: 151–161. — Extended version of an illustrated account in Gardenwise 13 (1999) 6–9.
- KIEW, R. 1999. *Thismia goodii (Burmanniaceae), the blue-capped Thismia, a new species from Borneo*. Gard. Bull. Sing. 51: 179–182, illus.

- KIM, S.-C., et 6 al. 1999. *ITS sequences and phylogenetic relationships in Bidens and Coreopsis (Asteraceae)*. Syst. Bot. 24: 480–493, illus. — *Bidens* polyphyletic, twice derived from paraphyletic *Coreopsis*
- KIRSCHNER, J., L.J. NOVARA, V.S. NOVIKOV, S. SNOGERUP & Z. KAPLAN. 1999. *Supraspecific division of the genus Juncus (Juncaceae)*. Folia Geobot. 34: 377–390, illus. — ‘New’ classification? Not really, 2 subgen, Buchenau’s subgen reduced to sect, 1 new; checklist of supraspecific names.
- KITE, G.C., R.J. GRAYER, P.J. RUDALL & M.S.J. SIMMONDS. 2000. *The potential for chemical characters in monocotyledon systematics*. In: K.L. Wilson & D.A. Morrison (Eds.), Monocots: 101–113, illus.
- KLOPPENBURG, D. 1999. *Hoya bicknellii Kloppenburg*. Fraterna 12/4: 12–15, illus. — From Cebu; ‘The foliage larger than any other ... species, making ... (it) readily distinctive and easily recognized in flower’ (Asclepiadaceae).
- KLOPPENBURG, D. 1999. *Hoya pimenteliana Kloppenburg*. Fraterna 12/3: 7–12, illus. — From Luzon (Asclepiadaceae).
- KLOPPENBURG, D. 2000. *Hoya cystiantha Schlechter*. Fraterna 13/3: 4–7, illus. — Description of flower (Asclepiadaceae).
- KOK, R.P.J. DE & D.J. MABBERLEY. 1999. *The genus Faradaya (Labiatae)*. Blumea 44: 321–342, illus. — 3 spp; key; synonymy, descriptions, notes; index to collections.
- KONG, G.-H., Q.-G. WU, Q.-M. HU & W.-H. YE. 2000. *Further supplementary data on Mikania micrantha H.B.K. (Asteraceae)*. J. Trop. Subtrop. Bot. 8: 128–130, illus. (In Chinese). — Compared to *M. cordata*, *M. scandens*.
- KONG, H.-Z. 2000. *Taxonomic notes on Chloranthus henryi Hemsl. and its allies*. Acta Phytotax. Sin. 38: 355–365 (In Chinese, Engl. summ.). — *C. philippinensis*, *C. verticillatus* to *C. oldhamii* (2 x i!).
- KONG, H.-Z. & Z.-D. CHEN. 2000. *Phylogeny in Chloranthus Swartz (Chloranthaceae) inferred from sequence analysis of nrDNA ITS region*. Acta Bot. Sin. 42: 762–764, illus. (In Chinese, Engl. summ.). — Division of *Chloranthus* on habit unnatural; by androecial organs two different groups.
- KONISHI, T. 1999. *Studies on the reproduction and conservation of Jade vine (Strongylodon macrobotrys A. Gray), a threatened species*. Ann. Tsukuba Bot. Gard. 18: 1–51, illus. — Artificial selfing produced pods that fall off early, subsequent cultivation of embryos on media into plants that flowered after 4 years; probably butterfly- and bird-pollinated.
- KORES, P.J., P.H. WESTON, M. MOLVRAV & M.W. CHASE. 2000. *Phylogenetic relationships within the Diurideae (Orchidaceae): inferences from plastid matK DNA sequences*. In: K.L. Wilson & D.A. Morrison (Eds.), Monocots: 449–456, illus. — Monophyletic when e.g. Pterostylidinae are moved to spiranthoids; 6 major lineages, 3 agreeing with previous classifications.

- KOZHEVNIKOV, A.E. & Z.V. KOZHEVNIKOVA. 2000. *The finding of Mitrasacme indica (Loganiaceae, a new family to Russia) on the Russian Far East*. Bot. Zur. (Moscow & Leningrad) 85/5: 130–134, illus. (In Russian, Engl. summ.). — Near N Korea.
- KRAL, R. & M.T. STRONG. 1999. *Eight novelties in Abildgaardia and Bulbostylis (Cyperaceae) from South America*. Sida 18: 837–859, illus. — Key to American Abildgaardia.
- KREUNEN, S.S. & J.M. OSBORN. 1999. *Pollen and anther development in Nelumbo (Nelumbonaceae)*. Amer. J. Bot. 86: 1662–1676, illus. — Different from Nymphaeales and Platanus with which it has recently been associated.
- KRISHNAN, S., N.P. SAMSON, P. RACHIVANDRAN, D. NARASIMHAN & P. DAYANANDAN. 2000. *Phytoliths of Indian grasses and their potential use in identification*. Bot. J. Linn. Soc. 132: 241–252, illus. — Key.
- KRON, K.A., R. FULLER, D.M. CRAYN, P.A. GADEK & C.J. QUINN. 1999. *Phylogenetic relationships of epacrids and vaccinioids (Ericaceae s.l.) based on matK sequence data*. Pl. Syst. Evol. 218: 55–65, illus. — Vaccinioideae not monophyletic; Vaccinieae monophyletic; Agapetes, Vaccinium polyphyletic.
- KRON, K.A., W.S. JUDD & D.M. CRAYN. 1999. *Phylogenetic analyses of Andromedeae (Ericaceae subfam. Vaccinioideae)*. Amer. J. Bot. 86: 1290–1300, illus. — Paraphyletic; two groups, Gaultheria group to Vaccinieae, Lyonia group distinct tribe.
- KUKIZAWA, K., R. REPIN & T. YUMOTO. 1998. *How trees expand their leaves in tropical forests: interpretation by observation of shoot morphology*. Sabah Parks Nat. J. 1: 29–45, illus. — 3 patterns: flush type, successive type, and intermediary.
- KUMAR, P.V.S. & T. COOMAR. 1999. *Bentinckia nicobarica: an endemic, endangered palm of the Nicobar Islands*. Palms 43: 118–121, illus. — (Palmae).
- KURZWEIL, H. 1998. *Floral ontogeny of orchids: a review*. Beitr. Biol. Pfl. 71: 45–100, illus. — (Orchidaceae).
- KURZWEIL, H. 2000. *The value of early floral ontogeny in the systematics of Orchidaceae*. In: K.L. Wilson & D.A. Morrison (Eds.), Monocots: 436–440, illus. — Only at higher levels.
- LADIGES, P.Y. & F. UDOVICIC. 2000. *Comment on a new classification of the eucalypts*. Austr. Syst. Bot. 13: 149–152, illus. — See Brooker, 2000 (Myrtaceae).
- LARSEN, K. & J. MOOD. 2000. *Revision of the genus Haniffia (Zingiberaceae)*. Nordic J. Bot. 20: 285–289, illus. — 2 spp, 1 new; key; synonymy, descriptions.
- LATIFAH, D. 2000. *Limnocitrus littoralis (Miq.) Swing*. Explorasi 4: 5–7, illus. — Description, notes (Rutaceae).
- LATIFF, A. 2000. *Tetrastigma leucostaphylum (Vitaceae) – a host of Rafflesia (Bunga patma)*. Pl. Syst. & Biodiv. Malaysia 2: 7–8. — T. leucostaphylum current name for T. lanceolarium; host for 6 Malaysian R. spp, while R. keithii uses T. lanceolarium; R. kerrii in Thailand seems to parasitize T. quadrangulum, but S of the Kra Isthmus it

grows on *T. leucostaphylum* (are there perhaps 2 spp involved?) (on p. 3 it is mentioned that *R. manilana* is still extant in the Makiling Forest Reserve, Luzon) (Rafflesiaceae).

- LATIFF, A. & K. MAT-SALLEH. 1999. *Studies in Malesian Vitaceae XI. Pterisanthes in Borneo, with additional notes on P. grandis and P. hirtiflora*. Sandakania 13: 67–78, illus. — Key to the 10 Borneo spp; synonymy, notes.
- LAWRENCE, D.C. & J.P. MOGEA. 1996. *A preliminary analysis of tree diversity in the landscape under shifting cultivation, North of Gunung Palung National Park, West Kalimantan*. Tropical Biodiv. 3: 297–319 (n.v.).
- *LEE, C.H. 1997. *A taxonomic study of the genus Sanicula L. (Umbelliferae)*. vii, 395 pp, illus. (In Korean, Engl. summ.). — Ineffectively published thesis (copy in L); full revision; 2 subgen, 4 sect, 45 spp, 9 var; 3 new var, 1 new comb; in Malesia *S. elata*, distinct from *S. europaea*.
- LEI, L.-G. & H.-X. LIANG. 1999. *Variations in floral development in Peperomia (Piperaceae) and their taxonomic implications*. Bot. J. Linn. Soc. 131: 423–431, illus.
- LEPSCHI, B.J. & D.E. SYMON. 1999. *A preliminary cladistic analysis of Australasian Solanum and Lycianthes*. In: M. Nee et al. (Eds.), Solanaceae IV: 161–170, illus. — Nature of Lycianthes unresolved.
- LES, D.H. & D.J. CRAWFORD. 1999. *Landoltia (Lemnaceae), a new genus of Duckweeds*. Novon 9: 530–533, illus. — For *Spirodela punctata*.
- LEWIS, D.Q. 2000. *A revision of the New World species of Lindernia (Scrophulariaceae)*. Castanea 65: 93–122, illus. — 14 spp, some Malesian; key; synonymy, descriptions, notes.
- LI, J., A.L. BOGLE & M.J. DONOGHUE. 1999. *Phylogenetic relationships in the Hamamelidoideae inferred from sequences of TRN non-coding regions of chloroplast DNA*. Harvard Pap. Bot. 4: 343–356, illus. — Results consistent with previous analyses.
- LI, J., A.L. BOGLE & A.S. KLEIN. 1999. *Phylogenetic relationships in the Hamamelidaceae: evidence from the nucleotide sequences of the plastid gene matK*. Pl. Syst. Evol. 218: 205–219, illus. — *Altingia Liquidambar* sister to rest of family; *Exbucklandia* and *Rhodoleia* in one clade; *Disanthus* sister to monophyletic Hamamelidoideae; Hamamelideae polyphyletic; Eustigmataeae, Fothergilleae, Dicoryphinae supported.
- LI, J. & D.C. CHRISTOPHEL. 2000. *Systematic relationships within the Litsea complex (Lauraceae): a cladistic analysis on the basis of morphological and leaf cuticle data*. Austr. Syst. Bot. 13: 1–13, illus. — Most genera polyphyletic.
- LIEDE, S. 1999. *The genera Cynanchum and Vincetoxicum (Apocynaceae–Asclepiadoideae) in Malesia*. Blumea 44: 471–495, illus. — *Cynanchum* 9 spp, 1 new ssp, *Vincetoxicum* 1; key; synonymy, descriptions, notes; indices to collections, names.
- LIM, C.K. 2000. *Taxonomic notes on Etlingera Giseke (Zingiberaceae) in Peninsular Malaysia: the 'Nicolaia' taxa*. Folia Malays. 1: 1–12, illus. — Key to 6 Malayan taxa, 2 new, 1 comb nov; synonymy, notes.

- LIN, Q. 2000. *Taxonomic notes on the genus Illicium Linn.* Acta Phytotax. Sin. 38: 167–181. (In Chinese, Engl. summ.). — 38 taxa recognised, 3 new comb; synonymy (Illiciaceae).
- LINDENHOFER, A. & A. WEBER. 2000. *Structural and developmental diversity of the androecium of Rosoideae (Rosaceae)*. Bot. Jahrb. 122: 63–91, illus.
- LINDER, H.P. 1999. *Rytidosperma vickeryae – a new danthonioid grass from Kosciuszko (New South Wales, Australia): morphology, phylogeny and biogeography*. Austr. Syst. Bot. 12: 743–755, illus. — Repeated dispersal of Rytidosperma (Danthonia p.p.) into New Guinea (Gramineae).
- LINDER, H.P., B.G. BRIGGS & L.A.S. JOHNSON. 2000. *Restionaceae: a morphological phylogeny*. In: K.L. Wilson & D.A. Morrison (Eds.), Monocots: 653–660, illus. — Also Anarthriaceae, Centrolepidaceae, Ecdociocoleaceae; Centrolepidaceae nested in Restionaceae; see also Briggs et al., above.
- LIU, Z., X.-Q. WANG, Z.-D. CHEN, Q. LIN & A.-M. LU. 2000. *The phylogeny of Schisandraceae inferred from sequence analysis of the nrDNA ITS region*. Acta Bot. Sin. 42: 758–761, illus. (In Chinese, Engl. summ.). — Schisandra not monophyletic.
- LÜ, H.-L., S.-A. WU, J. YANG & G.-Y. RAO. 2000. *A systematic study on the trib. Polygonateae (Liliaceae s.l.) with reference to the evidence from leaf abaxial epidermis and seed coat*. Acta Phytotax. Sin. 38: 30–42, illus. (In Chinese, Engl. summ.).
- LYE, K.A. 1999. *Nomenclature of finger millet (Poaceae)*. Lidia 4: 149–152. — Eleusine coracana reduced to ssp of E. indica.
- LYE, K.A. 2000. *Achene structure and function of structure in Cyperaceae*. In: K.L. Wilson & D.A. Morrison (Eds.), Monocots: 615–628, illus. — Morphology, function.
- MABBERLEY, D.J. 1999. *Robert Brown on Rafflesia*. Blumea 44: 343–350, illus. — New publication dates, 1 new comb in Thottea (Aristolochiaceae) (Rafflesiaceae).
- MABBERLEY, D.J. 1999. *The importance to Indopacific botany of Baron Dumont de Courset's Botaniste Cultivateur*. Gard. Bull. Sing. 51: 309–317. — Restoration of Pipturus asper for P. arborescens [Link] C.B. Rob., Dillenia crenatifolia nom. nov. for D. crenata (A.C. Sm.) Hoogl., non Dum. Cours.
- MADHAVAN, S. & S. BALU. 1999. *Ethnobotanical studies on Solanum trilobatum L. – an Indian drug plant*. J. Econ. Taxon. Bot. 23: 43–46, illus. — (Solanaceae).
- *MADULID, D.A. & F.J.M. GAERLAN. 1994. *A bibliography on Philippine ethnobotany, ethnopharmacology, and related subjects*. National Museum, Manila. ISBN 971-567-001-6.
- *MAHYAR, U.W., G. SUMAATMADJA, E. SULAEMAN, E.B. WALUJO & SUNARYO. 1997. *Anggrek alam Bengkulu*. iv, 114 pp, illus. (In Indonesian). — Orchidaceae of South Sumatra; brief synonymy, descriptions, photographs.
- MANKTELOV, M. 2000. *The filament curtain: a structure important to systematics and pollination biology in the Acanthaceae*. Bot. J. Linn. Soc. 133: 129–160, illus. — Four types with taxonomic consequences at tribal level.

- MARCUSSEN, T. & L. BORGES. 2000. *Allozymic variation and relationships within Viola subsection Viola (Violaceae)*. Pl. Syst. Evol. 223: 29–57, illus.
- MARGONSKA, H. B., D. L. SZLACHETKO & T. KUBALA. 1999. *Eine neue Art der Gattung Crepidium (Orchidaceae, Malaxidinae) aus Papua Newguinea*. Orchidee 50: 510–512, illus. (In German & English).
- MARGONSKA, H. B., D. L. SZLACHETKO & T. KUBALA. 1999. *Eine neue Art der Gattung Crepidium (Orchidaceae, Malaxidinae) aus Papua Newguinea*. Orchidee 50: 651–653, illus. (In German & English).
- MARICAN, C. 1998. *Palms in our gardens*. Gardenwise 10: 6–7, 11, illus. — Popular account of the Palmae in the Singapore Botanic Gardens.
- MARTÍNEZ, M. 1999. *Infrageneric taxonomy of Physalis*. In: M. Nee et al. (Eds.), Solanaceae IV: 275–283. — 2 new subgen, 4 new sect, no key.
- MASON-GAMER, R. J., C. F. WEIL & E. A. KELLOGG. 1998. *Granule-bound starch synthase: structure, function, and phylogenetic utility*. Mol. Biol. Evol. 15: 1658–1673, illus. — Analyses of the Gramineae, e.g. Aegilops/Triticum, Cymbopogon.
- MATHEWS, S., R. C. TSAL & E. A. KELLOGG. 2000. *Phylogenetic structure in the grass family (Poaceae): evidence from the nuclear gene phytochrome B*. Amer. J. Bot. 87: 96–107, illus. — Support for previous analyses; Arundinoideae, Bambusoideae polyphyletic.
- MATTES, M., et 5 al. 1998. *The rattan palm Korthalsia robusta Bl. and its ant and aphid partners: studies of a myrmecophytic association in the Kinabalu Park*. Sabah Parks Nat. J. 1: 47–60, illus. — 2 ant spp (Camponotus indet.) tending 2 spp of hormaphidids (Cerataphis fransseni, C. lataniae) (Palmae).
- MCDADE, L. A., S. E. MASTA, M. L. MOODY & E. WATERS. 2000. *Phylogenetic relationships among Acanthaceae: evidence from two genomes*. Syst. Bot. 25: 106–121, illus. — 4 major phylogenetic lines; 5 within Justicia.
- MCDONALD, M. W. & B. R. MASLIN. 2000. *Taxonomic revision of the salwoods: Acacia aulacocarpa Cunn. ex Benth. and its allies (Leguminosae: Mimosoideae: section Juliflorae)*. Austr. Syst. Bot. 13: 21–78, illus. — 8 spp (5 new taxa), in 2 subgroups; 2 Malesian (1); key; synonymy, descriptions, notes.
- MEEROW, A. W., et 5 al. 1999. *Systematics of Amaryllidaceae based on cladistic analysis of plastid rbcL and trnL-F sequence data*. Amer. J. Bot. 86: 1325–1345, illus. — Amaryllidaceae monophyletic, Agapanthaceae as sister, the Alliaceae next; Amaryllideae sister to rest, origin in W Gondwanaland (Africa); Eurasian and American clades monophyletic; Eurasian clade partly divided along present tribal concepts; American clade better resolved.
- MEEROW, A. W., et 6 al. 2000. *Phylogeny of Amaryllidaceae: molecules and morphology*. In: K. L. Wilson & D. A. Morrison (Eds.), Monocots: 372–386, illus. — Monophyletic; Agapanthaceae is sister; Alliaceae sister of these two; origin in Africa, phylogenetic relationships within family strongly follow biogeographic lines.

- MEIMBERG, H., P. DITTRICH, G. BRINGMANN, J. SCHLAUER & G. HEUBL. 2000. *Molecular phylogeny of Caryophyllidae s.l. based on matK sequences with species emphasis on carnivorous taxa*. Pl. Biol. 2: 218–228, illus. — Carnivore families monophyletic (incl. Ancistrocladaceae, Dioncophyllaceae); analyses based on rbcL largely corroborated.
- *MENEY, K.A. & J.S. PATE (Eds.), E.J. HICKMAN (Illus.). 1999. *Australian rushes. Biology, identification and conservation of Restionaceae and allied families*. Univ. W Australia Press & Australian Biological Resources Study. ISBN 1-876268-01-8. — Various chapters on comparative morphology, new classification, anatomy, ecology, seed and germination, diseases and herbivory, illustrated keys, 2-page description and illustration of all taxa (but without synonymy and typification), conservation (Anarthriaceae, Ecdeiocoleaceae).
- *METZGER, D.A. & S.C. BYERS. 1999. *Managing the modern herbarium. An interdisciplinary approach*. xxii, 384 pp, illus. Elton-Wolf Publishing, Vancouver, Canada. ISBN 0-9635476-2-3.
- MIDDLETON, D.J. 2000. *Revision of Alyxia (Apocynaceae). Part 1: Asia and Malesia*. Blumea 45: 1–146, illus. — 69 spp, 12 new; keys; diagnostic guide by region; synonymy, descriptions, notes; index to collectors, names.
- *MILLAR, A. 1999. *Orchids of Papua New Guinea*. 128 pp, illus. Crawford House Publishing, POB 1484, Bathurst NSW - 2795, Australia. AUD 39.95. (n.v.) — Not a reprint of the book of 1978.
- MILLER JR., C.N. 1999. *Implications of fossil conifers for the phylogenetic relationships of living families*. Bot. Rev. 65: 239–277, illus. — Difference between modern conifer families due to different paleozoic ancestors.
- MILLER, R.E., M.D. RAUSHER & P.S. MANOS. 1999. *Phylogenetic systematics of Ipomoea (Convolvulaceae) based on ITS and waxy sequences*. Syst. Bot. 24: 209–227, illus. — Most recent classification scheme not supported.
- MILLIKEN, W. & J. PROCTOR. 1999. *Montane forest in the Dumoga Bone National Park, North Sulawesi*. Edinburgh J. Bot. 56: 449–458, illus.
- MING, H.C. 1999. *New synonyms and combinations in Asiatic Ardisia (Myrsinaceae)*. Blumea 44: 391–406. — 9 new comb, 95 reductions; index.
- MOGEA, J.P. 1999. *Palms*. In: M. Kuswanda, P.K. Chai & I.N.S. Jaya (Eds.), ITTO Borneo Biodiversity Expedition, Scientific Report, Yokohama: 79–87 (n.v.).
- MOGEA, J.P. 1999. *Relationship and phylogeny of the species of the genus Arenga (Palmae) based on the morphology using the polarity method and the NTSYS program*. Mem. N.Y. Bot. Gard. 83: 169–177 (n.v.).
- MOHANTY, R.B. & M.K. ROUT. 1999. *Ethnobotany of Careya arborea Roxb. – some noteworthy folk uses in Orissa*. J. Econ. Taxon. Bot. 23: 505–508, illus. — Fibers for ropes, timber, fodder, diarrhea, dysentery, aborticidal; description (Lecythidaceae).

- MOLERO, J. & G. ZIJLSTRA. 1999. *The typification of Cuphea (Lythraceae): C. viscosissima versus C. decandra*. *Taxon* 48: 797–799. — Lectotype = *Cuphea viscosissima*.
- MOLS, J.B. & P.J.A. KEßLER. 2000. *The genus Monocarpia (Annonaceae) in Borneo including a new species Monocarpia borneensis*. *Bot. Jahrb. Syst.* 122: 233–240, illus. — 3 spp, 1 new; key; synonymy, descriptions, notes.
- MOLS, J.B. & P.J.A. KEßLER. 2000. *Revision of the genus Phaeanthus (Annonaceae)*. *Blumea* 45: 205–233, illus. — 8 spp; monophyletic; keys; synonymy, descriptions, notes; index to collections, names.
- MOLVRAY, M., P.J. KORES & M.W. CHASE. 2000. *Polyphyly of mycoheterotrophic orchids and functional influences on floral and molecular characteristics*. In: K.L. Wilson & D.A. Morrison (Eds.), *Monocots*: 441–448, illus. — (Orchidaceae).
- MONDAL, A.K., S. MONDAL & S. MANDAL. 2000. *Molecular taxonomy of the genus Cassia L. based on seed protein and mitochondrial DNA RFLP*. *Phytomorphology* 50: 15–25, illus. — 8 spp studied: 2 clusters; keys
- MOOD, J. & H. IBRAHIM. 2000. *A new species of Etlingera (Zingiberaceae) from Peninsular Malaysia and southern Thailand*. *Nordic J. Bot.* 20: 279–283, illus.
- MOYLAN, E. 1999. *Hemigraphis (Nees) Acanthaceae from the Philippines: an example of species delimitation*. *Oxford Pl. Syst.* 7: 9–11, illus.
- MUASYA, A.M., J.J. BRUHL, D.A. SIMPSON, A. CULHAM & M.W. CHASE. 2000. *Suprageneric phylogeny of Cyperaceae: a combined analysis*. In: K.L. Wilson & D.A. Morrison (Eds.), *Monocots*: 593–601, illus. — Monophyletic; current subfamily classifications generally not supported; Scirpeae s.l. paraphyletic.
- MUASYA, A.M., D.A. SIMPSON, M.W. CHASE & A. CULHAM. 2000. *Phylogenetic relationships within the heterogeneous Scirpus s.lat. (Cyperaceae) inferred from rbcL and trnL-F sequence data*. In: K.L. Wilson & D.A. Morrison (Eds.), *Monocots*: 610–614, illus. — Paraphyletic; 2 main clades and grade corresponding with embryo types.
- MUGHAL, M.H., SABA, P.S. SRIVASTAVA & M. IQBAL. 1999. *Drumstick (Moringa pterygosperma Gaertn.) a unique source of food and medicine*. *J. Econ. Taxon. Bot.* 23: 47–61, illus. — = *M. oleifera*; extensive summary (Moringaceae).
- MURSIDAWATI, S., D.A. NORTON & I.P. ASTUTI. 1999. *Distribution of Pomatocalpa spicata Breda (Orchidaceae) within and among host trees in Manusela National Park, Seram, Maluku Archipelago, Indonesia*. *Selbyana* 20: 116–119, illus. — Usually on host tree bark with preference for *Myristica* and *Syzygium*.
- NAGAMITSU, T., R.D. HARRISON & T. INOUE. 1999. *Beetle pollination of Vatica parvifolia (Dipterocarpaceae) in Sarawak, Malaysia*. *Gard. Bull. Sing.* 51: 43–54, illus.
- NAIS, J. & C.C. WILCOCK. 1998. *The Rafflesia conservation incentive scheme in Sabah, Malaysian Borneo*. *Sabah Parks Nat. J.* 1: 9–17, illus. — Status of occurrence; ecotourism recommended.

- NAIS, J. & C.C. WILCOCK. 1999. *The propagation of Rafflesia and its host plant: prospects for ex-situ conservation*. Sabah Parks Nat. J. 2: 111–120, illus. — Several failed attempts to obtain germination or infection; grafting not tried (Rafflesiaceae).
- NARGAS, J. & P.C. TRIVEDI. 1999. *Traditional and medicinal importance of Azadirachta indica Juss. in India*. J. Econ. Taxon. Bot. 23: 33–37. — A summary (Meliaceae).
- NASUTION, R.E. 1996. *Banana: unnoticed potentials*. Newsletter Center for Southeast Asian Studies, Kyoto University: 35 (n.v.). — (Musaceae).
- NESOM, G.L. '1998', 2000. *Full constitution of the Australian genus Pappochroma (Asteraceae: Astereae)*. Phytologia 85: 276–279. — *Erigeron canadensis*, *E. sumatrensis* to *Conyza*.
- NG, F.S.P. 2000. *The identity of the Melaka tree*. Mal. Nat. 53/3: 32–35, illus. — *Phyllanthus pectinatus*, distinct from *P. emblica* (Euphorbiaceae).
- NGUYEN, T.B. 2000. *Flora of Vietnam I. Annonaceae*. 343 pp, illus. Science & Technics Publishing House, Hanoi. No ISBN. (In Vietnamese).
- NGUYEN, V.D. & P.C. BOYCE. 1999. *The genus Amydrium (Araceae: Monsteroideae: Monstereae) with particular reference to Thailand and Indochina*. Kew Bull. 54: 379–393, illus. — Keys to genera of Anadendreae and Monstereae, *Amydrium* (5 spp, 3 Malesian; synonymy, description).
- NOLTIE, H.J. 1999. *Notes relating to the flora of Bhutan: XXXIX. Gramineae II*. Edinburgh J. Bot. 56: 381–404. — E.g. *Neyraudia curvipes*, so far only known from Mt Kinabalu.
- NOOTEBOOM, H.P. 2000. *Different looks at the classification of the Magnoliaceae*. Proc. Internat. Symp. Fam. Magnoliaceae: 26–37, illus. — Magnolioideae only with *Magnolia*, *Manglietia*.
- NOOTEBOOM, H.P. & P. CHALERMGLIN. 2000. *A new species of Magnolia (Magnoliaceae) from Thailand*. Blumea 45: 245–247, illus.
- NOVELLINO, D. '1995–1996', 1998. *Indagini etnobotaniche nell'Isola di Palawan (Filippine)*. Delpinoa n.s. 37–38: 97–124, illus. (In Italian, Engl. summ.). — Ethnobotanical survey of 66 taxa; example of how not to: wrong language, wrong journal, apparently no vouchers.
- NUMATA, S., N. KACHI, T. OKUDA & N. MANOKARAN. 1999. *Chemical defenses of fruits and mast-fruiting of dipterocarps*. J. Trop. Ecol. 15: 695–700, illus.
- NYFFELER, R. & D.A. BAUM. 2000. *Phylogenetic relationships of the durians (Bombacaceae: Durioneae or /Malvaceae/Helicteroideae/Durioneae) based on chloroplast and nuclear ribosomal DNA sequences*. Pl. Syst. Evol. 224: 55–82, illus. — Close relationship with *Helicteres* and other Sterculiaceae; co-evolution of pollination and flower types; Durian Theory not true for the durians...
- NYHUUS, T. 2000. *A spectacular find*. Fraterna 13: 10–15, illus. — *Hoya lasiantha* (Asclepiadaceae).

- OGINUMA, K., K. DAMAS, A. SITAPAI & H. TOBE. 1999. *A cytology of some plants from Papua New Guinea: additional notes*. Acta Phytotax. Geobot. 50: 43–50, illus. — *Cansjera leptostachya* (20), *Dracontomelon dao* (32), *Endiandra brassii* (30), *Endospermum moluccanum* (48), *Gymnacranthera paniculata* (44), *Haplolobus floribundus* (44), *Mischocarpus grandissimus* (32), *Pimeleodendron amboinicum* (22), *Siphonodon celastrineus* (28).
- OHASHI, H. & R. R. MILL. 2000. *Hylodesmum, a new name for Podocarpium (Leguminosae)*. Edinburgh J. Bot. 57: 171–188. — 23 taxa, some Malesian; key; synonymy, notes.
- OLIVEIRA CASTILLO, R., A. A. DA SILVA BULHOES & M. A. COELHO KAPLAN. 1999. *Controversy in Buxales systematic positioning*. Nordic J. Bot. 19: 541–546, illus. — Union of Buxaceae and Daphniphyllaceae in one order supported; Buxales in Rosiflorae, but not in Hamamelidales.
- OLMSTEAD, R. G., K.-J. KIM, R. K. JANSEN & S. J. WAGSTAFF. 2000. *The phylogeny of the Asteridae sensu lato based on chloroplast ndhF gene sequences*. Molec. Phylogen. Evol. 16: 96–112, illus. — 4 major clades supported.
- OLMSTEAD, R. G., J. A. SWEERE, R. E. SPANGLER, L. BOHS & J. D. PALMER. 1999. *Phylogeny and provisional classification of the Solanaceae based on chloroplast DNA*. In: M. Nee et al. (Eds.), *Solanaceae IV*: 111–137, illus. — New infrafamilial classification.
- *OONA, K. (Ed.). 2000. *The Seventh Ministry of Agriculture, Forestry and Fisheries (MAFF), Japan, International workshop on genetic resources. Part 1. Wild legumes*. 237 pp, illus. ISBN 4-931511-03-1.
- OWEN JR., T. P. & K. A. LENNON. 1999. *Structure and development of the pitchers from the carnivorous plant Nepenthes alata (Nepenthaceae)*. Amer. J. Bot. 86: 1382–1390, illus.
- OXELMAN, B., M. BACKLUND & B. BREMER. 1999. *Relationships of the Buddlejaceae s.l. investigated using parsimony jackknife and branch support analysis of chloroplast ndhF and rbcL sequence data*. Syst. Bot. 24: 164–182, illus. — Related to Scrophulariaceae.
- PADGET, D. J., D. H. LES & G. E. CROW. 1999. *Phylogenetic relationships in Nuphar (Nymphaeaceae): evidence from morphology, chloroplast DNA, and nuclear ribosomal DNA*. Amer. J. Bot. 86: 1316–1324, illus. — Two distinct Old and New World clades.
- PAPPERT, R. A., J. L. HAMRICK & L. A. DONOVAN. 2000. *Genetic variation in Pueraria lobata (Fabaceae), an introduced, clonal, invasive plant of the Southeastern United States*. Amer. J. Bot. 87: 1240–1245, illus.
- PARIS, H. S. 2000. *First two publications by Duchesne of Cucurbita moschata (Cucurbitaceae)*. Taxon 49: 305–319, illus.

- PARK, K.-R. & W.J. ELISENS. 2000. *A phylogenetic study of tribe Euphorbieae (Euphorbiaceae)*. Intern. J. Pl. Sci. 161: 425–434, illus. — Euphorbia can be split up in several monophyletic genera.
- PARNELL, J. 1999. *Numerical analysis of Thai members of the Eugenia–Syzygium group (Myrtaceae)*. Blumea 44: 351–379, illus. — 2 groups, 1 small monophyletic (= sect. *Jambosa*), 1 large polyphyletic group (= sect. *Syzygium* s.l.)
- PASCAL, L.M., E.F. MOTTE-FLORAC & D.B. MCKEY. 2000. *Secretory structures on the leaf rachis of Caesalpinieae and Mimosoideae (Leguminosae): implications for the evolution of nectary glands*. Amer. J. Bot. 87: 327–338, illus. — In Erythrophleum, member of possible sister group of mimosoids; origin of ant-guard defenses typical of many mimosoids.
- PATIL, S.G. & B.K. HONRAO. 1998. *Chemo-taxonomical studies in the genus Tetrastigma Planch. (Vitaceae)*. Acta Bot. Ind. 26: 137–142, illus. — Presence of raphides primitive character.
- PEARCE, K., et 5 al. 1999. *Botanical survey*. In: M. Kuswanda, P.K. Chai & I.N.S. Jaya (Eds.), ITTO Borneo Biodiversity Expedition, Scientific Report, Yokohama: 49–78 (n.v.).
- PENDRY, C.A. 1999. *A new combination in Polygala (Polygalaceae) for Southeast Asia*. Novon 9: 545. — In *P. glaucoides*.
- PERSSON, C. 2000. *Phylogeny of Gardenieae (Rubiaceae) based on chloroplast DNA sequences from the rps16 intron and trnL(UAA)-F(GAA) intergenic spacer*. Nordic J. Bot. 20: 257–269, illus. — Polyphyletic groups, a complete overhaul seems required.
- PERSSON, V., S. KNAPP & S. BLACKMORE. 1999. *Pollen morphology and the phylogenetic analysis of Datura and Brugmansia*. In: M. Nee et al. (Eds.), Solanaceae IV: 171–187, illus. — Recognition of two genera supported; key; synonymy, descriptions.
- PIPOLY III, J.J. & J.M. RICKETSON. 1999. *Discovery of the Indo-Malesian genus Hy-menandra (Myrsinaceae) in the Neotropics, and its boreotropical implications*. Sida 18: 701–746, illus. — Auriculardisia, Chontalesia, Icacorea reduced; 9 new comb; history, morphology, ecology; keys to (American) genera, species; synonymy, descriptions, notes, specimens under taxa and at end.
- PRASAD, V.P. & N.P. SINGH. 1999. *Bolboschoenus planiculmis (F. Schmidt) T. Koyama (Cyperaceae) – a new record for South Asia from Gujarat coast*. J. Bombay Nat. Hist. Soc. 96: 502–505, illus.
- *PRIDGEON, A.M., P.J. CRIBB, M.W. CHASE & F.N. RASMUSSEN (Eds.). 1999. *Genera orchidacearum. Vol. 1. General introduction, Apostasioideae, Cyripedioideae*. xv, 197 pp, illus. Oxford University Press, Oxford, etc. ISBN 0-19-850513-2. — Introductory chapters; taxonomic treatment beautifully executed and illustrated, an absolute must for all orchidologists, amateur or professional (Orchidaceae).

- PRİYADARSANAN, D.R. 1999. *Ficus superba* Miq. and *F. fergusonii* (King) Worthington (*Moraceae*), two new reports from India. *J. Bombay Nat. Hist. Soc.* 96: 492–493, illus. — Kerala.
- PRYCHID, C.J. & P.J. RUDALL. 2000. *Distribution of calcium oxalate crystals in monocotyledons*. In: K.L. Wilson & D.A. Morrison (Eds.), *Monocots*: 159–162, illus. — Three types, but absent in some groups.
- *PURWANTORO, R.S., R.E. NASUTION & B.P. NAIOLA. 2000. *Kebun Raya Cibodas 11 April 1852 – 11 April 2000*. viii, 44 pp, illus. (In Indonesian). Kebun Raya Cibodas (LIPI), ISBN 979-8539-24-9. — History of the famous garden.
- *PUSPITANINGTYAS, D.M. & S. MURSIDAWATI. 1999. *Koleksi anggrek, Kebun Raya, Bogor. 1, 2*. v, 72 pp, illus. (In Indonesian). — Synonymy, descriptions, notes on spp of *Cymbidium*, *Doritis*, *Grammatophyllum*, *Kingidium*, *Paraphalaenopsis*, *Phalaenopsis* (*Orchidaceae*).
- *PUSPITANINGTYAS, D.M. & R.S. PURWANTORO. 2000. *An alphabetical list of orchid species cultivated in Cibodas Botanic Garden*. xi, 35 pp, map. — 198 spp (*Orchidaceae*).
- PYCK, N., P. ROELS & E. SMETS. 1999. *Tribal relationships in Caprifoliaceae: evidence from a cladistic analysis using ndhF sequences*. *Syst. Geogr. Pl.* 69: 145–159, illus. — Sample too limited for reliable conclusions.
- RACHMAN, M.A. & M. YOSUF. '1997', ? 1999. *New records of Zingiberaceae for Bangladesh*. *Bangladesh J. Bot.* 26: 37–42, illus. — Key to *Globba*, *Hedychium* (some Malesian spp).
- RANGSIRUJI, A., M.F. NEWMAN & Q.C.B. CRONK. 2000. *Origin and relationships of Alpinia galanga (Zingiberaceae) based on molecular data*. *Edinburgh J. Bot.* 57: 9–37, illus. — Belongs to sect. *Allughas* especially close to *A. conchifera*, *A. nigra*, but has lost its tubular bracteoles.
- RANGSIRUJI, A., M.F. NEWMAN & Q.C.B. CRONK. 2000. *A study of the infrageneric classification of Alpinia (Zingiberaceae) based on the ITS region of nuclear rDNA and the trnL-F spacer of chloroplast DNA*. In: K.L. Wilson & D.A. Morrison (Eds.), *Monocots*: 695–709, illus. — 3 major clades; *Pleuranthodium* distinct; *Alpinia* possibly not monophyletic.
- RAO, P.P. 1999. *Chemotaxonomy of some Indian Clerodendrum L.* *Rheedea* 9: 45–53, illus. — 26 chemical compounds of 11 taxa; 4 groups partially agree with subgeneric treatment (*Labiatae*).
- RASMUSSEN, F.N. 2000. *Ins and outs of orchid phylogeny*. In: K.L. Wilson & D.A. Morrison (Eds.), *Monocots*: 430–435, illus. — Brief history and future of classification of *Orchidaceae*.
- RENNER, S.S. 1999. *Circumscription and phylogeny of the Laurales: evidence from molecular and morphological data*. *Amer. J. Bot.* 86: 1301–1315, illus.

- RENNER, S.S., D.B. FOREMAN & D. MURRAY. 2000. *Timing transantarctic disjunctions in the Atherospermataceae (Laurales): evidence from coding and noncoding chloroplast sequences*. Syst. Biol. 49: 579–591, illus. — Incl. Dryadodaphne from New Guinea; origin in W Gondwana, 100–140 Mya.
- REPIN, R. 1998. *Preliminary survey of serpentine vegetation areas in Sabah*. Sabah Parks Nat. J. 1: 19–28, illus.
- REVEAL, J.L. 2000. *Three 'superconservation' proposals for conserved family names in App. IIB (Spermatophyta) of the Code*. Taxon 49: 291–294. — Caryophyllaceae over Alsinaceae, Ericaceae over Vacciniaceae, Cordiaceae over Ehretiaceae.
- RICHARDSON, J.E., M.F. FAY, Q.C.B. CRONK, D. BOWMAN & M.W. CHASE. 2000. *A phylogenetic analysis of Rhamnaceae using rbcL and trnL-F plastid DNA sequences*. Amer. J. Bot. 87: 1309–1324, illus. — Monophyletic; new tribal classification; 3 apparent subfamilies not defined by morphological characters.
- RICHARDSON, J.E., M.F. FAY, Q.C.B. CRONK & M.W. CHASE. 2000. *A revision of the tribal classification of Rhamnaceae*. Kew Bull. 55: 311–340, illus. — 11 tribes, 3 new; key; descriptions; some genera remain unplaced, e.g. Alphitonia, Colubrina.
- ROALSON, E.H. & E.A. FRIAR. 2000. *Infrageneric classification of Eleocharis (Cyperaceae) revisited: evidence from the internal transcribed spacer (ITS) region of nuclear ribosomal DNA*. Syst. Bot. 25: 323–336, illus. — Not congruent with previous classifications.
- ROBINSON, H. 1990. *Studies in the Lepidaploa complex (Vernonieae: Asteraceae) VII. The genus Lepidaploa*. Proc. Biol. Soc. Washington 103: 464–498, illus. — Section elevated to genus; 116 spp restricted to the New World.
- ROBINSON, H. 1999. *Generic and subtribal classification of American Vernonieae*. Smithson. Contr. Bot. 89: 1–116, illus. — Pantropical Vernonia formerly with c. 1000 species now restricted to 3 American ones! The Malesian ones placed in e.g. Cyanthillium and Gymnanthemum (Compositae).
- ROBINSON, H. 1999. *Revisions in paleotropical Vernonieae (Asteraceae)*. Proc. Biol. Soc. Washington 112: 220–247. — 3 new subtribes; 14 genera (some new or elevated from subgeneric ranks), 144 species, 110 new combinations (!); Vernonia spp in Malesia to Cyanthillium, Gymnanthemum, Phyllocephalum; many species not mentioned, however.
- ROBINSON, J. & S.A. HARRIS. 2000. *A plastid DNA phylogeny of the genus Acacia Miller (Acaciaeae, Leguminosae)*. Bot. J. Linn. Soc. 132: 195–222, illus. — Contradicting previous classification.
- ROHWER, J.G. 2000. *Towards a phylogenetic classification of the Lauraceae: evidence from matK sequences*. Syst. Bot. 25: 60–71, illus. — Separation between involucrate and non-involucrate taxa not supported; early division in Gondwana and Laurasia–S America groups; Beilschmiedia–Cryptocarya clade well-supported.

- *ROJO, J.P. 1999. *Revised lexicon of Philippine trees*. xvii, 484 pp. — Successor to Salvosa (1963); format where applicable: scientific and semi-official local name, literature and some synonymy, very brief diagnose ('a small tree'), habitat, altitude, general distribution, notes.
- RONSE DE CRAENE, L.P. & E.F. SMETS. 1999. *The floral development and anatomy of Carica papaya (Caricaceae)*. *Canad. J. Bot.* 77: 582–598, illus.
- RÖTH, J. 1999. *Cadetia taylori (F. v. Muell.) Schltr. 1912*. *Orchidee* 50, *Orchideenkartei*: 903–904, illus. (In German). — Should be 'taylorii'; description, notes (Orchidaceae).
- RUDALL, P.J., et 6 al. 2000. *Consider the lilies: systematics of the Liliales*. In: K.L. Wilson & D.A. Morrison (Eds.), *Monocots*: 347–359, illus. — New data on critical characters; analyses of various datasets; of course support for dismemberment of the old family Liliaceae.
- RUGAYAH. 1999. *Trichosanthes (Cucurbitaceae) in Malesia*. xix, 239 pp, illus. — Ineffectively published thesis, copies in BO, L; 51 taxa; morphology, leaf anatomy, cytology, testa anatomy, isozymes; phylogeny; keys, synonymy, descriptions, notes; specimens under taxa.
- RUGAYAH. 2000. *Validation of Trichosanthes kinabaluensis Rugayah (Cucurbitaceae)*. *Reinwardtia* 11: 419.
- SAKAI, S., M. KATO & H. NAGAMASU. 2000. *Artocarpus (Moraceae) gall midge pollination mutualism mediated by a male-flower parasitic fungus*. *Amer. J. Bot.* 87: 440–445, illus. — Fungus *Choanephora* sp infects male but not the female inflorescences of *A. integer*; gall midges eat and ovideposit on the mycelium, which is also eaten by the larvae; midges carrying the sticky pollen are attracted by female inflorescences by odour; the female inflorescences almost all produce fruits.
- SAKAI, S. & H. NAGAMASU. 2000. *Systematic studies of Bornean Zingiberaceae: II. Elettaria of Sarawak*. *Edinburgh J. Bot.* 57: 227–243, illus. — 8 spp, 4 new; key; synonymy, some descriptions; specimens under taxa.
- SAKAI, S. & H. NAGAMASU. 2000. *Systematic studies of Bornean Zingiberaceae: III. Tamijia: a new genus*. *Edinburgh J. Bot.* 57: 245–255, illus. — 1 sp; in *Alpinia*; discussion of taxonomic position.
- SAKAI, S., et 6 al. 1999. *Plant reproductive phenology over four years including an episode of general flowering in a lowland dipterocarp forest, Sarawak, Malaysia*. *Amer. J. Bot.* 86: 1414–1436, illus. — 305 spp of 56 families observed; trigger possibly a drop in minimum temperature 1 or 2 months before flowering event.
- SALEH, N. 2000. *Systematic and ecological studies of Garcinia L. (Guttiferae) in Pasoh Forest Reserve, Negeri Sembilan, Malaysia*. *Pl. Syst. & Biodiv. Malaysia* 2: 8. — 16 spp; molecular evidence supports Jones' (1980) classification.
- SALMA, I. 1999. *The taxonomic significance of trichome morphology in the genus Durio (Bombacaceae)*. *Gard. Bull. Sing.* 51: 55–70, illus. — Highly specific.

- SASIDHARAN, N. & J. AUGUSTINE. 1999. *Ficus caulocarpa* Miq. and *F. costata* Ait. (*Moraceae*) – Additions to the flora of India. *Rheedea* 9: 77–80, illus.
- SAUNDERS, R.M.K. 2000. *Monograph of Schisandra (Schisandraceae)*. *Syst. Bot.* 58: 1–146, illus. — 23 spp in 3 subgen, 3 sect; key; morphology, anatomy, palynology, etc.; synonymy, descriptions, notes; collections under taxa and at end.
- SAVOLAINEN, V., et 9 al. 2000. *Phylogenetics of flowering plants based on combined analysis of plastid atpB and rbcL gene sequences*. *Syst. Biol.* 49: 306–362, illus. — Despite some discrepancies atpB trees highly congruent with previous analyses while combination with rbcL increased bootstrap support for many major sets of taxa.
- SAVOLAINEN, V., et 16 al. 2000. *Phylogeny of the eudicots: a nearly complete familial analysis based on rbcL gene sequences*. *Kew Bull.* 55: 257–309, illus. — New insights in familial relationships with some surprising results on taxonomic dispositions.
- SCHILLING, E.E., J.L. PANERO & P.B. COX. 1999. *Chloroplast DNA restriction site data support a narrowed interpretation of Eupatorium (Asteraceae)*. *Pl. Syst. Evol.* 219: 209–223, illus. — King & Robinson split-up partly supported.
- SCHMID, R. 2000. *Rumphius (1627–1702), that Job of biology with the flinty character and iron soul*. *Taxon* 49: 357–358. — Review of E.M. Beekman, *The Amboinese curiosity cabinet* (1999).
- SCHMIDT, G.J. & E.E. SCHILLING. 2000. *Phylogeny and biogeography of Eupatorium (Asteraceae: Eupatorieae) based on nuclear ITS sequence data*. *Amer. J. Bot.* 87: 716–726, illus. — *Eupatorium* s.s. supported.
- *SCHNEIDT, J. 1999. *Taxonomy and biodiversity of the genus Tylophora (Apocynaceae: Asclepiadoideae) in Malesia*. Mimeographed thesis. ix, 267 + 75 pp, illus. Copy in ABD, L. — Ineffectively published; 38 taxa, 11 undescribed, 3 new comb; key; synonymy, descriptions, notes; reproductive biology; molecular data; list of specimens; hopefully at least an abstract will be published.
- *SCHUITEMAN, A. & E.F. DE VOGEL. 2000. *Orchid genera of Thailand, Laos, Cambodia and Vietnam*. Local language section variable pp + English section 118 pp, illus. — A series of 4 booklets in Thai/English (ISBN 90-71236-44-7), Lao/English (90-71236-42-0), Khmer/English (90-71236-43-9), Vietnamese/English (90-71236-41-2); NLG 50.00 (EUR 22.70) each; glossary; keys; diagnoses, habitat, distribution, notes.
- SCHWARZBACH, A.E. & R.E. RICKLEFS. 2000. *Systematic affinities of Rhizophoraceae and Anisophylleaceae, and intergeneric relationships within Rhizophoraceae, based on chloroplast DNA, nuclear ribosomal DNA, and morphology*. *Amer. J. Bot.* 87: 547–564, illus. — Erythroxylaceae as sister group of Rhizophoraceae in Malpighiales; Anisophylleaceae in Cucurbitales; 3 tribes in Rhizophoraceae supported.
- SCOTT, K.D., C.L. MCINTYRE & J. PLAYFORD. 2000. *Molecular analyses suggest a need for a significant rearrangement of Rutaceae subfamilies and a minor reassessment of species relationships within Flindersia*. *Pl. Syst. Evol.* 223: 15–27, illus.

- SEARLE, R.J. 1999. *A new combination and new synonymy in Kaempferia (Zingiberaceae: Hedychieae)*. Telopea 8: 375–376. — *K. pulchra* reduced to *K. elegans*.
- SEARLE, R.J. & T.A.J. HEDDERSON. 2000. *A preliminary phylogeny of the Hedychieae tribe (Zingiberaceae) based on ITS sequences of the nuclear rRNA cistron*. In: K.L. Wilson & D.A. Morrison (Eds.), *Monocots*: 710–718, illus. — *Alpinieae* monophyletic, *Hedychieae* not; *Zingibereae* nested within *Hedychieae*.
- SENGHAS, K. 1999. *Rudolph Schlechter, Die Orchideen*. Band I/C, Lief. 37/38: 2309–2436, illus. (In German). — *Bractiinae* to *Coeliopsidinae* p.p.
- SENGHAS, K. 2000. *Rudolph Schlechter, Die Orchideen*. Band I/C, Lief. 39, Bogen 153–156: 2437–2500, illus. (In German). — *Coeliopsis* to *Addenda: Paphiopedilum*.
- SETOGUCHI, H., K. KOSUGE & H. TOBE. 1999. *Molecular phylogeny of Rhizophoraceae based on rbcL gene sequences*. J. Pl. Res. 112: 443–455, illus. — *Inland Macariseae* basal to *sisters inland Gynotrocheae*, *mangrove Rhizophoreae*; *Anisophylleaceae* widely different.
- SHANG, C.-B., P.P. LOWRY II & D.G. FRODIN. *A taxonomic revision and re-definition of the genus Gamblea (Araliaceae)*. *Adansonia* III, 22: 45–55. — Incl. *Evodiopanax*; 5 taxa, 1 Malesian; 4 new comb; key; synonymy, descriptions; notes; specimens under taxa.
- SHANTA, A. & M. RADHAKRISHNAIAH. 2000. *Cladistic analysis of selected genera of Cucurbitaceae*. *Phytomorphology* 50: 103–111, illus. — Based on phytochemistry.
- SHARMA, M. 1999. *Taxonomic notes on North Indian plants – XIII*. J. Econ. Tax. Bot. 22: 734–736. — Differences between *Leptochloa chinensis* and *L. panicea*.
- SIDWELL, K. 1999. *Typification of two Linnaean names in the Basellaceae*. *Novon* 9: 562–563.
- SIEBERT, S.F. 1999. *Where there is no beer: Arenga pinnata and sagueir in Sulawesi, Indonesia*. *Palms* 43: 177–181, illus. — Required reading for *Flora Malesiana Symposia attendants (Palmae)*.
- SIMMONS, C.M. & W.J.J.O. DE WILDE. 2000. *Zehneria subgenus Zehneria (Cucurbitaceae) in Java and Bali*. *Blumea* 45: 235–243, illus. — 3 spp, 1 new comb; key; synonymy, descriptions, notes; index to collections.
- SIMMONS, M.P. & J.P. HEDIN. 1999. *Relationships and morphological character change among genera of Celastraceae sensu lato (including Hippocrateaceae)*. *Ann. Missouri Bot. Gard.* 86: 723–757, illus. — Position of *Bhesa* and *Goupia* ambiguous, *Canotia* included, *Siphonodon* excluded; *Plagiopteron* in *Hippocrateae*; *Lophopyxis* to *Euphorbiaceae*; *Brexia* sister of *Celastraceae* s.l.; *Loesener's* classification not supported; *Hallé's* subfamilies of *Hippocrateaceae* supported, his tribes not.
- SINGH, R.S. 1999. *Diversity of Nypa in the Indian subcontinent: Late Cretaceous to recent*. *Palaeobotanist* 48: 147–154, illus. — 13 palynological spp, 1 extant.

- *SINHA, B. K. 1999. *Flora of Great Nicobar Island*. viii, 525 pp, 2 maps, 8 tab. Botanical Survey of India, Calcutta. No ISBN. — 142 fam, 422 gen, 648 spp (89 end.); extensive introductions, flora essentially Malesian; no keys to families; keys to genera, species; diagnoses.
- SMETS, E. F., L.-P. RONSE DE CRAENE, P. CARIS & P. J. RUDALL. 2000. *Floral nectaries in monocotyledons: distribution and evolution*. In: K. L. Wilson & D. A. Morrison (Eds.), *Monocots*: 230–240, illus.
- SNOW, N. 2000. *A new Leptochloa (Poaceae: Chloridoideae) from Papua New Guinea and the Torres Strait Islands of Australia*. *Novon* 10: 238–241, illus.
- SNOW, N. & P. L. KEATING. 1999. *Relevance of specimen citations to conservation*. *Conserv. Biol.* 13: 943–944. — Plead for specimen citation as complete and accurate as possible to serve information needs of conservation biologists; in the case of *Blumea* citation is limited for various regions, e.g. the information is very unequal: unavailable, unreliable, out of date, especially tree species of tropical rain forests are widely scattered (and cut down to make the collection!), localities inaccessible or long gone to recently destroyed, most collections between 50 and 200 years old.
- SOEPADMO, E. & L. G. SAW. 2000. *Tree flora of Sabah and Sarawak Volume 3*: xvi, 511 pp, illus. — Fagaceae (E. Soepadmo, S. Julia & R. Go), Leguminosae–Caesalpinioideae (Ding Hou), Moraceae (K. M. Kochummen & R. Go), Myristicaceae (W. J. J. O. de Wilde). See Reviews.
- SOLTIS, D. E., et 15 al. 2000. *Angiosperm phylogeny inferred from 18S rDNA, rbcL, and atpB sequences*. *Bot. J. Linn. Soc.* 133: 381–461, illus. — Claimed to be the most resolved and supported topology so far; Amborellaceae the most plesiomorphic living angiosperm, which made the newspapers in 1999 after the Botanical Congress in St Louis.
- SOROS, C. L. & J. J. BRUHL. 2000. *Multiple evolutionary origins of C₄ photosynthesis in the Cyperaceae*. In: K. L. Wilson & D. A. Morrison (Eds.), *Monocots*: 629–636, illus. — 4 times, 4 anatomical types.
- SPANGLER, R., B. ZAITCHIK, E. RUSSO & E. KELLOGG. 1999. *Andropogoneae evolution and generic limits in Sorghum (Poaceae) using ndhF sequences*. *Syst. Bot.* 24: 267–281, illus. — Sorghinae not monophyletic; *Sorghum* paraphyletic; subtribal designations at present have little meaning; x = 10 basic number.
- SPENCE, P. 2000. *Some of the species related to Dendrobium macrophyllum A. Rich.* *Orchadian* 13: 122–125, illus. — (Orchidaceae).
- SREEKUMAR, P. V. 1999. *Schoenus calostachys (R. Br.) Poir., Cyperaceae, from Nicobar Islands: a new sedge record for India*. *J. Bomb. Nat. Hist. Soc.* 96: 180–181, illus.
- SREEKUMAR, P. V. 2000. *Scleria laxa R. Br. (Cyperaceae) – a new record for India from Nicobar Islands*. *J. Bombay Nat. Hist. Soc.* 97: 167–169, illus. — Note disjunction with New Guinea, Queensland!

- STACE, C.A. 2000. *Cytology and cytogenetics as a fundamental taxonomic resource for the 20th and 21st centuries*. *Taxon* 49: 451–477, illus. — Survey of past 50 years with outlook to the future.
- STERN, W.L. & W.S. JUDD. 1999. *Comparative vegetative anatomy and systematics of Vanilla (Orchidaceae)*. *Bot. J. Linn. Soc.* 131: 353–382, illus.
- STEVENS, P.F. 2000. *Rinorea belalongii (Violaceae), a new species from Borneo*. *Novon* 10: 153–155, illus. — Partial key.
- STEVENSON, D.W., et 5 al. 2000. *A phylogenetic analysis of the monocotyledons based on morphological and molecular character sets, with comments on the placement of Acorus and Hydatellaceae*. In: K.L. Wilson & D.A. Morrison (Eds.), *Monocots*: 17–24, illus. — Support for monophyly of monocots and basal position of Acorus within it.
- ŠTORCHOVÁ, H., et 5 al. 2000. *An improved method of DNA isolation from plants collected in the field and conserved in saturated NaCl/CTAB solution*. *Taxon* 49: 79–84, illus. — Description of method for isolation of genomic DNA from plants sampled during expeditions and field trips; suitable for RAPD and chloroplast DNA sequences; alternative to silica gel preservation.
- STUDNICKA, M. 2000. *Aus dem Botanischen Garten Liberec: Bulbophyllum patens King ex Hook.f.* *Orchidee* 51: 425, illus. (In German). — Note on provenance.
- SUBUDHI, H.N. 1999. *Collection of Porteretia coarctata Tateoka from Orissa coast and its conservation*. *J. Econ. Taxon. Bot.* 23: 726–728. — *Porteresia* (Gramineae); NOT in Malesia.
- SUBUDHI, H.N. & J. MITRA. 1999. *Indigofera Linn.: under-exploited forage legumes*. *J. Econ. Taxon. Bot.* 23: 675–678. — Uses of 16 species (Leguminosae).
- SUDHAKARAN, S. & A. GANAPATHI. 1999. *Biosystematics of south Indian Physalis*. In: M. Nee et al. (Eds.), *Solanaceae IV*: 335–340, illus. — 6 spp.
- SUNARTI, S. 1997. *Burseraceae - Biogeography and conservation of endemic species in Indonesia*. *Prosiding Seminar Nasional Biologi XV*. Buku 1: 157–161, illus. (n.v.).
- *SUPARDI, D., et 5 al. 1999. *An alphabetical list of Indonesian orchid cultivated in Bogor Botanic Garden*: xi, 103 pp, map. — 441 spp (Orchidaceae).
- SURESH, H.S. & R. SUKUMAR. 1999. *Phytogeographic affinities of flora of Nilgiri Biosphere Reserve*. *Rheedea* 9: 1–21, illus. — Study (of woody plants only) shows strong Indo-Malayan affinities (20.1–27.7%) for moist vegetation types.
- SZLACHETKO, D.L. & H.B. MARGONSKA. 1999. *Redefinition of the orchid genus Pseudoliparis Finet, with descriptions of new species*. *Adansonia* III, 21: 275–282, illus. — Over 20 spp, 3 new, 19 new comb (Orchidaceae).
- SZLACHETKO, D.L., H.B. MARGONSKA & P. RUTKOWSKI. 1999. *Dienia seidenfadeniana, a new orchid species from Australasia*. *Adansonia* III, 21: 221–223, illus. — Known from only 2 collections (Sumatra, Vogelkop), a remarkable disjunction (Orchidaceae).

- TAKAHASHI, M., J.W. NOWICKE, G.L. WEBSTER, S.S. ORLI & S. YANKOWSKI. 2000. *Pollen morphology, exine structure, and systematics of Acalyphoideae (Euphorbiaceae), part 3. Tribes Epiprineae ... Adeliaeae ... Alchorneae ... Acalypheae pro parte ...* Rev. Palaeobot. Palynol. 110: 1–66, illus. — Study of 130 samples of 96 spp of 30 genera (with a nearly page-long title, here abbreviated).
- TAKANO, A. & H. OKADA. 1999. *Four new Globba (Zingiberaceae) species from Sumatra*. Nordic J. Bot. 20: 61–66, illus.
- TAKEUCHI, W. 1999. *Botanical results from the 1995 Bismarck-Ramu expedition in Papua New Guinea*. Sida 18: 751–782, illus. — Description of camp sites, vegetation; notes on taxa found, 3 new described: Prunus, Psychotria, Pilea; checklist.
- TAKEUCHI, W. 1999. *New plants from Crater Mt., Papua New Guinea, and an annotated checklist of the species*. Sida 18: 941–986, illus. — 1200 spp, new taxa in Glochidion, Jasminum, Psychotria.
- TAKEUCHI, W. 1999. *New plants from Papuasia. Novelties from the Lakekamu and Bismarck-Ramu expeditions*. Sida 18: 1071–1081. — Medinilla (2), Trichospermum (1).
- TANAKA, N. 2000. *Taxonomic notes on Ophiopogon of South Asia V*. J. Jap. Bot. 75: 69–79, illus. — Some taxa Malesian (Liliaceae); nothing Malesian in Part VI, l.c. 127–136.
- TANAKA, N. 2000. *Taxonomic notes on Ophiopogon of South Asia VII*. J. Jap. Bot. 75: 191–212, illus. — Ophiopogon intermedius; incl. O. acaulis, O. merrillii, O. wallichianus; O. japonicus misapplied to Malesia; list of specimens.
- TANG, S.-C. & G.-Z. LI. 1999. *Two new plant species and one new recorded genus from Quangxi*. Guihaia 19: 341–343, illus. — New record for Diplectria barbata (Melastomataceae).
- TAUB, D.R. 2000. *Climate and the U.S. distribution of C₄ grass subfamilies and decarboxylation variants of C₄ photosynthesis*. Amer. J. Bot. 87: 1211–1215, illus. — Strong correlation with annual precipitation.
- TEBBITT, M.C. & J.H. DICKSON. 2000. *Amended descriptions and revised sectional assignment of some Asian begonias (Begoniaceae)*. Brittonia 52: 112–117. — Descriptions of B. axillipara, B. brachybotrys (incl. B. brachyptera), B. dux, B. teysmanniana.
- TEBBITT, M.C. & C.M. MACIVER. 1999. *The systematic significance of the endothecium in Begoniaceae*. Bot. J. Linn. Soc. 131: 203–221, illus. — Of moderate value.
- TEO, L.-L. & R. KIEW. 1999. *First record of a natural Begonia hybrid in Malaysia*. Gard. Bull. Sing. 51: 103–118, illus. — B. decora × B. venusta; description of parents; hybrids fertile (Begoniaceae).
- THEILADE, I. 1999. *A synopsis of the genus Zingiber (Zingiberaceae) in Thailand*. Nordic J. Bot. 19: 389–410, illus. — 26 spp, 6 new; key; synonym, descriptions.
- THEILADE, I. & J. MOOD. 1999. *Six new species of Zingiber (Zingiberaceae) from Borneo*. Nordic J. Bot. 19: 513–524, illus.

- TILLICH, H.-J. & E. SILL. 1999. *Systematische Studien zur Morphologie und Anatomie von Hanguana Blume (Hanguanaceae) und Flagellaria L. (Flagellariaceae), mit der Beschreibung einer neuer Art, Hanguana bogneri spec. nov.* Sendtnera 6: 215–238, illus. (In German, Engl. summ.). — Hanguana basal in Commelinales, Flagellaria close to Gramineae and Restionaceae confirmed.
- TOBE, H. & B. SAMPSON. 2000. *Embryology of Takhtajania (Winteraceae) and a summary statement of embryological features for the family.* Ann. Missouri Bot. Gard. 87: 389–397, illus. — Distinctions from Canellaceae.
- TOMLINSON, P.B. & J.B. FISHER. 2000. *Stem vasculature in climbing monocotyledons: a comparative approach.* In: K.L. Wilson & D.A. Morrison (Eds.), Monocots: 89–97, illus. — Listing; Palmae–Calamoideae as example in phylogenetic interpretation.
- TOOMOKA, N., Y. EGAWA & A. KAGA. 2000. *Biosystematics and genetics of the genus Vigna subgenus Ceratotropis.* In: K. Oono, Wild legumes: 37–62, illus. — c. 16 spp (2 Malesian) in 3 sect; taxonomy, morphology, relationships, biosystematics; no keys, synonymy, or descriptions.
- TORRELL, M., N. GARCIA-JACAS, A. SUISANNA & J. VALLÈS. 1999. *Phylogeny in Artemisia (Asteraceae, Anthemideae) inferred from nuclear ribosomal DNA (ITS) sequences.* Taxon 48: 721–736, illus. — Monophyletic, 5 main clades largely corresponding with the 4 subgeneric divisions.
- TRIPATHI, S. & V. PRAHASH. 1999. *Studies on Zingiberaceae of N.E. India: VI. Kaempferia pulchra Ridl. a new record for India.* J. Econ. Taxon. Bot. 23: 748–750, illus. — From Mizoram.
- TSI, Z. (Ed.). 1999. *Orchidaceae (3).* Fl. Reipubl. Pop. Sin. 19: xxiii, 485 pp, illus. — Epidendreae p.p. [genus 111 ('113')–126], Vandaeae.
- TUCKER, S.C. 2000. *Floral development and homeosis in Saraca (Leguminosae: Caesalpinioideae: Detarieae).* Intern. J. Pl. Sci. 161: 537–549, illus. — Comparison of *S. declinata* and *S. indica*; *S. asoka* reduced.
- TUCKER, S.C. & J. GRIMES. 1999. *The inflorescence: introduction.* Bot. Rev. 65: 303–316, illus. — Introduction to proceedings of the symposium 'The inflorescence: a new perspective', 1997, Montreal.
- TURNER, I.M. 1999. *Euphorbia heterophylla and E. cyathophora (Euphorbiaceae) in the Malay Peninsula.* Gard. Bull. Sing. 51: 99–102. — Elucidation of confusion; synonymy, specimens (Euphorbiaceae).
- TURNER, I.M. 2000. *A bibliography of materials pertaining to the marine and littoral vascular-plant floras and vegetation of the South China Sea.* Raffles Bull. Zool., Suppl. 8: 117–124. — Other bibliographies, sea-grasses, mangrove, coastal vegetation, small islands, floras and checklists, monographs, revisions.
- *TURNER, I.M. 2000. *The plants of the Singapore Botanic Gardens.* 238 pp, 1 map. National Parks Board, Singapore, ISBN 9971-88-742-8. — Checklist for the c. 2700 spp cultivated in the Garden (against c. 1700 in the list of 1995!).

- TURNER, I.M. & S.C. CHIN. 1998. *The plant taxa of H.N. Ridley, 1. The pteridophytes*. As. J. Trop. Biol. 2/2: 31–40. — 51 taxa; names taken by Ridley from the W. Hunter msc to be ascribed to the latter.
- TURNER, I.M. & S.C. CHIN. 1998. *The plant taxa of H.N. Ridley, 2. The gymnosperms*. As. J. Trop. Biol. 3/1: 33–35. — 9 taxa lectotypified, identified.
- TURNER, I.M. & P.F. STEVENS. 1999. *The transfer of Tripetalum cymosum K. Schum. (Guttiferae) to Garcinia*. Gard. Bull. Sing. 51: 175–177. — 2 comb nov.
- TURNER, I.M., F. XING & R.T. CORLETT. 2000. *An annotated check-list of the vascular plants of the South Chinese Sea and its shores*. Raffles Bull. Zool., Suppl. 8: 23–116, illus. — Life form, habitat, distribution.
- TZVELEV, N.N. 1999. *On the size and nomenclature of some genera of the vascular plants of European Russia*. Bot. Zur. (Moscow & Leningrad) 84/7: 109–118. (In Russian, Engl. summ.). — Avenella accepted; Lemna p.p. to Staurogeton, 2 new comb; Trichophorum p.p. to Kreczetoviczia nov. gen.
- UTAMI, N. & T. SHIMIZU. 1995. *Systematic implication of seed coat morphology in some Impatiens species (Balsaminaceae)*. J. Phytogeogr. & Taxon. 43: 111–117, illus. — 7 species groups supporting infrageneric classification.
- UTAMI, N. & T. SHIMIZU. 1998. *A Taxonomical study of Impatiens albo-flava Miq. (Balsaminaceae) from Sumatra*. J. Biol. Ind. II, 2: 95–103 (n.v.).
- UTTERIDGE, T.M.A. 2000. *Two new species of Maesa (Myrsinaceae) from Puncak Jaya, New Guinea. Contributions to the flora of Mt. Jaya, I*. Kew Bull. 55: 443–449, illus.
- VEGETTI, A.C. 2000. *Typology of synflorescences in Oryzae (Poaceae)*. Phytom (Horn) 40: 71–88, illus.
- VELDKAMP, J.F. 1999. *Eupatorium catarium, a new name for Eupatorium clematideum Griseb., non Sch.Bip. (Compositae), a S American species naturalized and spreading in SE Asia and Queensland, Australia*. Gard. Bull. Sing. 51: 123–128. — Also known as Praxelis clematidea; in summer 1999 discovered in N Taiwan.
- VELDKAMP, J.F. 1999. *A revision of Chrysopogon Trin. and Vetiveria Bory (Gramineae) in Thailand and Malesia with notes on some other species from Africa and Australia*. Austrobaileya 5: 503–533. — Reduction of Vetiveria to Chrysopogon; 3 new spp, 5 new comb, 1 new name, 1 new comb in Capillipedium; keys; synonymy, descriptions, notes.
- VILLARI, R. & S. ZACCONE. 1999. *Paraserianthes lophantha (Willd.) J. Nielsen (Mimosaceae) a new alien species naturalised to Sicily*. Flora Medit. 9: 287–290, illus.
- VINCKIER, S., S. HUYSMANS & E. SMETS. 2000. *Morphology and ultrastructure of orbicules in the subfamily Ixoroideae (Rubiaceae)*. Rev. Palaeobot. Palynol. 108: 151–174, illus. — ‘Orbicules’ (= granules of sporopollenin in the tapetum) appear useful at tribal level.

- VOGEL, S. & J. MARTENS. 2000. *A survey of the function of the lethal kettle traps of Arisaema (Araceae), with records of pollinating fungus gnats from Nepal*. Bot. J. Linn. Soc. 133: 61–100, illus. — Gnats (with pollen) can escape from male flowers, but not from female ones.
- VRINDA, S.L. & M.V.N. PANIKKAR. 1999. *The genus Rhopalephora Hassk. with reference to Indian flora*. J. Econ. Taxon. Bot. 23: 667–670, illus. — 1 new comb (Comelinaceae).
- WAGSTAFF, S.J. & M.I. DAWSON. 2000. *Classification, origin, and patterns of diversification of Corynocarpus (Corynocarpaceae) inferred from DNA sequences*. Syst. Bot. 25: 134–149, illus. — Distinct family in Cucurbitales supported; sister to Coriariaceae; palaeotropical origin.
- WANG, T., J.-M. ZHU, Y.-J. SU, Q.-W. ZENG & C. HUANG. 1999. *Systematic relationship of subtribe Micheliinae based on random amplified polymorphic DNA*. Acta Sci. Nat. Univ. Sunyatseni 38: 67–71, illus. (In Chinese, Engl. summ.). — Michelia, Paramichelia supported, Tsoongiodendron not.
- WANG, W.-T. 2000. *Notes on the genus Clematis (Ranunculaceae) (I)*. Acta Phytotax. Sin. 38: 305–336, illus. — 1 subsect, series, 8 spp, 1 var new; 3 new from New Guinea.
- WANG, X.-Q. & Y.-Q. SHU. 2000. *Chloroplast matK gene phylogeny of Taxaceae and Cephalotaxaceae, with additional reference to the systematic position of Nageia*. Acta Phytotax. Geobot. 38: 201–210, illus. (In Chinese, Engl. summ.). — Nageiaceae not supported.
- WANG, X.-R., Y. TSUMURA, H. YOSHIMARU, K. NAGASAKA & A.E. SZMIDT. 1999. *Phylogenetic relationships of Eurasian pines (Pinus, Pinaceae) based on chloroplast rbcL, matK, rpl20-rps18 spacer, and trnV intron sequences*. Amer. J. Bot. 86: 1742–1753, illus.
- WANG, Y.-Z. 2000. *The growth pattern of shoots in Whytockia (Gesneriaceae) with phylogenetic implications*. Acta Phytotax. Geobot. 38: 231–235, illus. (In Chinese, Engl. summ.). — Compared to Monophyllaea, Rhynchoglossum.
- WATSON, L.E., T.M. EVANS & T. BOLUARTE. 2000. *Molecular phylogeny and biogeography of tribe Anthemideae (Asteraceae), based on chloroplast gene ndhF*. Molec. Phylogen. Evol. 15: 59–69, illus. — Molecular phylogeny differs significantly from previous (morphological) ones.
- WEIBLEIN, G.D. 2000. *Phylogenetic relationships of functionally dioecious Ficus (Moraceae) based on ribosomal DNA sequences and morphology*. Amer. J. Bot. 87: 1342–1357, illus. — Not monophyletic; phylogeny of the fig wasps congruent with a new classification.
- WEISSFLOG, A., et 5 al. 1999. *Hoya mitrata Kerr (Asclepiadaceae): a new myrmecotrophic epiphyte from Southeast Asia with a unique multileaved domatium*. Ecotropica 5: 221–225, illus.; reprinted in Hoya 22, 2 (2000). — A most remarkable ovoid structure of specialized leaves that provide a multi-chambered nesting space for ants.

- WELZEN, P.C. VAN. 1999. *Revision and phylogeny of subtribes Chrozophorinae and Doryxylinae (Euphorbiaceae) in Malesia and Thailand*. Blumea 44: 411–436, illus. — Subtribes united; Doroxylon and Sumbaviopsis distinct.
- WELZEN, P.C. VAN & W. STUPPY. 1999. *Phylogenetic considerations of Euphorbiaceae tribe Aleuritideae*. Ann. Missouri Bot. Gard. 86: 894–903, illus.
- WELZEN, P.C. VAN, K.N. TYAS, EVIYARNI & F.J.M. GAERLAN. 1999. *The Malesian species of Melanolepis (Euphorbiaceae)*. Blumea 44: 437–446, illus. — 2 spp; synonymy, descriptions, notes, index to collections.
- WHITLOCK, B.A. & D.A. BAUM. 1999. *Phylogenetic relationships of Theobroma and Herrania (Sterculiaceae)*. Syst. Bot. 24: 128–138, illus. — Both monophyletic.
- WICH, S.A. & C.P. VAN SCHAIK. 2000. *The impact of El Niño on mast fruiting in Sumatra and elsewhere in Malesia*. J. Trop. Ecol. 16: 563–577, illus. — General waning of El Niño-Southern Oscillation phenomenon (ENSO) towards W Malesia.
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