

Palm Research in 2002

COMPILED BY

ANDREW HENDERSON

*New York Botanical Garden,
Bronx, NY 10458*

Books

Evolution and Ecology of Palms. ANDREW HENDERSON. 2002. New York Botanical Garden Press. ISBN 0-89327-444-5. 259 pages. Price \$35.00.

La connaissance des Palmiers: culture et utilisation. PIERRE-OLIVIER ALBANO. 2002. Édisud, Aix-en-Provence. ISBN 2-85744-0303-5. 360 pages. Price unknown.

Palmeras. JOSÉ ANTONIO DEL CAÑIZO. 2002. Ediciones Mundi-Prensa, Madrid. ISBN 84-7114-989-3. 709 pages. Price unknown.

Rattan. Current research issues and prospects for conservation and sustainable development. J. DRANSFIELD, F.O. TESORO AND N. MANOKARAN. (Eds.). 2002. Non Wood Forest Products 14. FAO, Rome. ISBN 92-5-104691-3. 272 pages.

Articles

ABRAHAMSON, W. AND C. ABRAHAMSON. 2002. Persistent palmettos: effects of the 2000–2001 drought on *Serenoa repens* and *Sabal etonia*. *Florida Scientist* 65: 281–292.

ANDERSON, P. 2002. Harvesting and conservation: Are both possible for the palm, *Iriartea deltoidea*? *Forest Ecol. Management* 170: 271–283.

ARAUJO, G.M., A.A.A. BARBOSA, A.A. ARANTES AND A.F. AMARAL. 2002. Composição florística de veredas no Município de Uberlândia, MG. *Rev. Brasil. Bot.* 25(4): 475–493.

ASHARI, S. 2002. On the agronomy and botany of salak (*Salacca zalacca*). Wageningen: Wageningen University. 126 p.

BAKER, W.J. 2002. Two unusual *Calamus* species from New Guinea. *Kew Bull.* 57: 719–724.

BAKER, W.J. 2002. The Palms of New Guinea Project. *Flora Malesiana Bull.* 13(1): 35–37.

BAKER, W.J. AND J. DRANSFIELD. 2002. *Calamus maturbongsii*, an unusual new rattan species from New Guinea. *Kew Bull.* 57: 725–728.

BAKER, W.J. AND J. DRANSFIELD. 2002. *Calamus longipinna* (Arecaceae: Calamoideae) and its relatives in New Guinea. *Kew Bull.* 57: 853–866.

BALSLEV, H. 2002. Palmas austroecuatorianas. In AGUIRRE, M. Z., J.E. MADSEN, E. COTTON AND H. BALSLEV (eds.). *Botanica austroecuatoriana: estudios sobre los recursos vegetales en las provincias de El Oro, Loja y Zamora-Chinchipec*. Quito, Ecuador: Ediciones Abya Yala. 107–135.

BARFOD, A.S. AND L.G. SAW. 2002. The genus *Licuala* (Arecaceae, Coryphoideae) in Thailand. *Kew Bull.* 57: 827–852.

BECK, H. AND J. TERBORGH. 2002. Groves versus isolates; how spatial aggregation of *Astrocaryum murumuru* palms affects seed removal. *J. Trop. Ecol.* 18: 275–288.

BORCHSENIUS, F. 2002. Staggered flowering in four sympatric varieties of *Geonoma cuneata* (Palmae). *Biotropica* 34: 603–606.

CHEN, S.-Y., K.-L. WANG, S.-J. PEI AND Y.-D. PU. 2002. New materials of rattan from Yunnan. *Acta Bot. Yunn.* 24: 199–204.

COUTURIER, G., M. DE OLIVEIRA, P. BESERRA, S. PLUOT AND F. KAHN. 2002. The life cycle of the bug *Discocoris drakei* Slater & Ashlock. *Florida Entomologist* 85: 261–266.

DE GRANVILLE, J.-J. 2002. Les palmiers de Guyane française. *Acta Bot. Gallica* 149: 275–288.

DELGADO, C. 2002. The relationship between *Pachymerus cardo* (Fahraeus) (Coleoptera: Bruchidae) and the palm *Orbignya spectabilis* (C. Martius) Burret (Arecaceae: Cocoeae) in a terra firma forest, Brazilian Amazon. *Amazoniana* 17: 169–171.

DISLICH, R., N. KISSER AND V. PIVELLO. 2002. A invasão de um fragmento florestal em São Paulo (SP) pela palmeira australiana *Archontophoenix cunninghamiana* H. Wendl. & Drude. *Rev. Brasil. Bot.* 25: 55–64.

DRANSFIELD, J. 2002. General introduction to rattan – biological background to exploitation and the

- history of rattan research. Pp 23–34. in J. DRANSFIELD ET AL. (Eds.) Rattan. Current research issues and prospects for conservation and sustainable development. Non Wood Forest Products 14. FAO, Rome.
- EDWARDS, P.J., J. KOLLMANN AND K. FLEISCHMANN. 2002. Life history evolution in *Lodoicea maldivica* (Arecaceae). *Nordic Jour. Bot.* 22: 227–237.
- ESSIG, F. 2002. A systematic histological study of palm fruits. VI. Subtribe Linospadicinae (Arecaceae). *Brittonia* 54: 196–201.
- ESSIG, F. AND N. HERNANDEZ. 2002. A systematic histological study of palm fruits. V. Subtribe Archontophoenicinae (Arecaceae). *Brittonia* 54: 65–71.
- EVANS, T. 2002. A new species of *Calamus* (Arecaceae: Calamoideae) from north-east Thailand. *Kew Bull.* 57: 85–90.
- EVANS, T. AND K. SENGDALA. 2002. The adoption of rattan cultivation for edible shoot production in Lao PDR and Thailand – from non-timber forest product to cash crop. *Econ. Bot.* 56: 147–153.
- EVANS, T., K. SENGDALA, B. THAMMAVONG, O. VIENGKHAM AND J. DRANSFIELD. 2002. A synopsis of the rattans (Arecaceae: Calamoideae) of Laos and neighbouring parts of Indochina. *Kew Bull.* 57: 1–84.
- FISHER, J., T. TAN AND L. TOE. 2002. Xylem of rattans: Vessel dimensions in climbing palms. *Am. J. Bot.* 89: 196–202.
- GALEANO, G. AND R. BERNAL. 2002. New species and new records of Colombian palms. *Caldasia* 24: 277–292.
- GALLO-MEAGHER, M. AND J. GREEN. 2002. Somatic embryogenesis and plant regeneration from immature embryos of saw palmetto, an important landscape and medicinal plant. *Plant Cell, Tissue and Organ Culture* 68: 253–256.
- GERTSCH, J., F. STAUFFER, A. NARVAEZ AND O. STICHER. 2002. Use and significance of palms (Arecaceae) among the Yanomami in southern Venezuela. *J. Ethnobiology.* 22: 219–246.
- HAHN, W. 2002. A molecular phylogenetic study of the Palmae (Arecaceae) based on *atpB*, *rbcl*, and 18 nrDNA sequences. *Syst. Biol.* 51: 92–112.
- HAHN, W. 2002. A phylogenetic analysis of the arecoid line of palms based on plastid DNA sequence data. *Mol. Phyl. Evol.* 23: 189–204.
- Heatubun, C.D. 2002. A monograph of *Sommieria* (Arecaceae). *Kew Bull.* 57: 599–611
- HENDERSON, A. 2002. Phenetic and phylogenetic analysis of *Reinhardtia* (Palmae). *Am. J. Bot.* 89: 1491–1502.
- HENDERSON, A. AND E. FERREIRA. 2002. A morphometric study of *Synechanthus* (Palmae). *Syst. Bot.* 27: 693–702.
- HENDERSON, A. AND R. MARTINS. 2002. Classification of specimens in the *Geonoma stricta* (Palmae) complex: the problem of leaf size and shape. *Brittonia* 54: 202–212.
- HOMMEIER, J., S.-W. BRECKLE, H. DALITZ, C. LEYERS AND R. ORTIZ. 2002. Demography, spatial distribution, and growth of three arborescent palm species in a tropical premontane rain forest in Costa Rica. *Ecotropica* 8: 239–247.
- HOWARD, F., R. GIBLIN-DAVIS AND M. THOMAS. 2002. Ambrosia beetles (Coleoptera: Curculionidae: Scolytinae and Platypodinae) in palm stems. *Coleopterists Bull.* 56:471–472.
- INDIRA, E.P AND P.V. ANTO. 2002. Karyotype analysis in *Calamus palustris* Griff. *J. Bamboo Rattan* 1: 199–203.
- KIMURA, M. AND SIMBOLON, H. 2002. Allometry and life history of a forest understory palm *Pinanga coronata* (Arecaceae) on Mount Halimun, West Java. *Ecol. Res.* 17: 323–338.
- KNUDSEN, J. 2002. Variation in floral scent composition within and between populations of *Geonoma macrostachys* (Arecaceae) in the western Amazon. *Am.J. Bot.* 89: 1772–1778.
- LEWIS, C. 2002. A phylogenetic analysis of the palm subtribe Oncospermatinae (Arecaceae) based on morphological characters. *Brittonia* 54: 78-91.
- LEWIS, C. AND J. DOYLE. 2002. A phylogenetic analysis of tribe Areceae (Arecaceae) using two low-copy nuclear genes. *Plant Syst. Evol.* 236: 1–17.
- LING, Y. 2002. On the systematics, evolution, floristics and economic uses of Palmae and its sister family, Calamaceae (in Chinese). *Bull. of Bot. Res.* 22: 341–365.
- LINS, U., C.F. BARROS, M DA CUNHA AND F. COSTA MIGUENS. 2002. Structure, morphology, and composition of silicon biocomposites in the palm tree *Syagrus coronata* (Mart.) Becc. *Protoplasma* 220: 89–96.
- MACHADO-RODRIGUEZ, S. AND P. HERRERO. 2002. Pollen morphology of Arecaceae from Cuba. *Grana* 41: 149–157.
- MARTINEZ, A.K, E. GAITAN-SOLIS, M.C. DUQUE, R. BERNAL AND J. TOHME. 2002. Microsatellite loci

- in *Bactris gasipaes* (Arecaceae): Their isolation and characterization. *Molec. Ecol. Notes* 2: 408–410.
- MCDONALD, A. 2002. Botanical determination of the Middle Eastern tree of life. *Econ. Bot.* 56: 113–129.
- MILLER, C. 2002. Fruit production of the Ungurahua Palm (*Oenocarpus bataua* subsp. *bataua*, Arecaceae) in an indigenous managed reserve. *Econ. Bot.* 56: 165–176.
- MOLLA, H., D. PAL AND E. CHAUDHURI. 2002 ["2001"]. Observation on a mangrove palm. *J. Econ. Tax. Bot.* 25: 740–741.
- NATH, T., N. KARMAKAR, M. MOLLA AND M. KABIR. 2002. Tal (*Borassus flabellifer* Linn.: Arecaceae): a valuable economic palm of rural Bangladesh. *Forests, Trees and Livelihoods* 12: 283–295.
- POINAR, G. 2002. Fossil palm flowers in Dominican and Mexican Amber. *Bot. J. Linn. Soc.* 138: 57–61.
- POINAR, G. 2002. Fossil palm flowers in Dominican and Baltic amber. *Bot. J. Linn. Soc.* 139: 361–367.
- RUSTIAMI, H. 2002. Two new species of *Daemonorops* (Palmae) from Sumatra. *Gardens' Bull. (Singapore)* 54: 199–204.
- RUSTIAMI H. 2002. A new species of *Daemonorops* section *Piptospatha* (Arecaceae) from Siberut Island, West Sumatra. *Kew Bull.* 57: 729–733.
- SAMBOU, B., A. GOUDIABY, F. ERVIK, D. DIALLO AND M. CAMARA. 2002. Palm wine harvesting by the Bassari threatens *Borassus aethiopicum* populations in north-western Guinea. *Biodivers. Conserv.* 11: 1149–1161.
- SARASAN, V. M. RAMSAY AND A. ROBERTS. 2002. In vitro germination and induction of direct somatic embryogenesis in 'Bottle Palm' (*Hyophorbe lagenicaulis* (L. Bailey) H.E. Moore), a critically endangered Mauritian palm. *Plant Cell Reports* 20: 1107–1111.
- SHARMA, S.K. 2002. Doum Palm at Bhangarh, Rajasthan? *J. Bombay Nat. Hist. Soc.* 99: 157.
- SILVIUS, K.M. AND J.M.V. FRAGOSO. 2002. Pulp handling by vertebrate seed dispersers increase palm seed predation by bruchid beetles in the northern Amazon. *J. Ecol.* 90: 1024–1032.
- STAUFFER, F., RUTISHAUSER, R. AND P. ENDRESS. 2002. Morphology and development of the female flowers in *Geonoma interrupta* (Arecaceae). *Am. J. Bot.* 89: 220–229.
- SUNDERLAND, T.C.H. 2002. Hapaxanthly and pleonanthly in African rattans (Palmae: Calamoideae). *J. Bamboo Rattan* 1: 131–139.
- SUNDERLAND, T.C.H. 2002. Two new species of rattan (Palmae: Calamoideae) from Africa. *J. Bamboo Rattan* 1: 361–369.
- SUNDERLAND, T.C.H. AND J. DRANSFIELD. 2002. Species profiles Rattans. Pp 9–22. in J. Dransfield et al. Eds. *Rattan. Current research issues and prospects for conservation and sustainable development. Non Wood Forest Products* 14. FAO, Rome.
- SVENNING, J.-C. 2002. Crown illumination limits the population growth rate of a neotropical understory palm (*Geonoma macrostachys*, Arecaceae). *Plant Ecol.* 159: 185–199.
- SVENNING, J.-C. AND MACIA, M. 2002. Harvesting of *Geonoma macrostachys* Mart. leaves for thatch: an exploration of sustainability. *Forest Ecol. Management* 167: 251–262.
- TOMLINSON, P. AND R. SPANGLER. 2002. Developmental features of the discontinuous stem vasculature system in the rattan palm *Calamus* (Arecaceae-Calamoideae-Calamineae). *Am. J. Bot.* 89: 1128–1141.
- VOEKS, R. 2002. Reproductive ecology of the piassava palm (*Attalea funifera*) of Bahia, Brazil. *J. Trop. Ecol.* 18: 121–136.
- VORMISTO, J. 2002. Palms as rainforest resources: how evenly are they distributed in Peruvian Amazonia? *Biodivers. Conserv.* 11: 1025–1045.