

# Annual Review of Pteridological Research - 2002

## Literature Citations

[All Citations](#)

1. Adams, C. S., R. R. Boar, D. S. Hubble, M. Gikungu, D. M. Harper, P. Hickley & N. Tarras-Wahlberg. 2002. The dynamics and ecology of exotic tropical species in floating plant mats: Lake Naivasha, Kenya. *Hydrobiologia* 488: 115-122. [*Salvinia molesta*]
2. Afolayan, A. J., D. S. Grierson, L. Kambizi, I. Madamombe & P. J. Masika. 2002. In vitro antifungal activity of some South African medicinal plants. *South African Journal of Botany* 68: 72-76. [*Cheilanthes viridis*, *Polystichum pungens*]
3. Aguiar, S., J. Amigo, S. Pajaron, E. Pangua, L. G. Quintanilla & C. Ramirez. 2002. Identification and distribution of the endangered fern *Blechnum corralense* Espinosa. *Fern Gazette* 16: 426. [Abstract]
4. Aguraiuja, R. 2002. Detailed study of the protected ferns of Estonia for defense of natural populations. *Fern Gazette* 16: 427. [Abstract]
5. Aguraiuja, R. & K. R. Wood. 2002. The critically endangered endemic fern genus *Diellia* Brack. in Hawaii: Its population structure and distribution. *Fern Gazette* 16: 330-334.
6. Ahluwalia, A. S., A. Pabby & S. Dua. 2002. *Azolla*: A green gold mine with diversified applications. *Indian Fern Journal* 19: 1-9.
7. Ainge, G. D., S. D. Lorimer, P. J. Gerard & L. D. Ruf. 2002. Insecticidal activity of huperzine A from the New Zealand clubmoss, *Lycopodium varium*. *Journal of Agricultural & Food Chemistry* 50: 491-494 (<http://pubs.acs.org/journals/jafcau>).
8. Al Shehri, A. M. 2002. Pteridophytes of Tanumah mountains, Aseer region, south-west Saudi Arabia. *Arab Gulf J. Scientific Res.* 20: 68-73. [*Ceterach*, *Adiantum*, *Asplenium*, *Cheilanthes*]
9. Allen, H., R. C. Graham & S. C. Sillett. 2002. Arboreal organic soils 50 m above the forest floor in coast redwood canopies. *Ecological Society of America Annual Meeting Abstracts* 87: 310. [Abstract; *Polypodium scolieri*]
10. Alonso-Amelot, M. E. & M. Avendano. 2002. Human carcinogenesis and bracken fern: A review of the evidence. *Current Medicinal Chemistry* 9: 675-686. [*Pteridium*]
11. Ambrozic-Dolinsek, J., M. Camloh, B. Bohanec & J. Zel. 2002. Apospory in leaf culture of staghorn fern (*Platyterium bifurcatum*). *Plant Cell Reports* 20: 791-796.
12. Amoroso, C. B. 2002. Spore culture of *Lycopodium clavatum* L. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
13. Anonymous. 2002. Bibliography of Indian pteridology. *Indian Fern J.* 19: 113-115.
14. Antony, R., E. S. S. Kumar & A. E. S. Khan. 2002. *Selaginella camusii*, a new species of Selaginellaceae from India. *Nordic Journal of Botany* 22: 337-340.
15. Appert, O. 2002. First record of a representative of the Dipteridaceae (*Dictyophyllum*, Filicales) from Madagascar (Upper Jurassic). *Palaeontographica Abteilung B Palaeophytologie* 262: 137-159.
16. Aragon, E. E., B. Castillo & A. Garza. 2002. Rodents in the diet of two nocturnal birds of prey (*Bubo virginianus* and *Tyto alba*) in northeast Durango, Mexico. *Acta Zoologica Mexicana* (86). Agosto 2002: 29-50. [Spanish]

17. Archangelsky, S. & A. Archangelsky. 2002. Cretaceous statistical palynology in the Austral Basin, Continental Platform, Argentina. I. Six wells of the Magallanes Area. *Revista del Museo Argentino de Ciencias Naturales Nueva Serie 4*: 25-34. [Spanish]
18. Archer, R. C. 2002. A report of the emergence of fern species in the United States during the spring of 2001. *Hardy Fern Foundation Quarterly 12*: 10-27.
19. Archer-Evans, S. N., G. B. Clark, S. C. Stout & S. J. Roux. 2002. Biochemical and molecular characterization of two different annexins in the fern *Ceratopteris* during early development. Pp. 179-180 (<http://www.aspb.org/meetings/>). In *Plant Biology*. American Society of Plant Biologists, New York.
20. Avudathai, S., S. Sankaran & V. Veerabadran. 2002. Effect of herbicide mixtures on nutrient uptake by transplanted rice (*Oryza sativa*) and associated weeds. *Advances in Plant Sciences 15*: 195-200. [*Marsilea quadrifoliata*]
21. Bacigalova, K., W. Mulenko & H. Prillinger. 2002. A *Taphrina* on *Dryopteris carthusiana* in Slovakia. *Mycotaxon 84*. October-December 2002: 387-390.
22. Bagniewska, A. & E. Zenkteler. 2002. In vitro storage of rhizome shoot tips of *Polypodium vulgare* L. using ABA treatment before dehydration-encapsulation technique. *Acta Bot. Cracov. Ser. Bot. 41*: 75-83.
23. Bagniewska, A. & E. Zenkteler. 2002. Ultrastructural changes in cells of rhizomes of *Polypodium vulgare* L. after subsequent dehydration. *Cellular & Molecular Biology Letters 7*: 253 Suppl.
24. Bagniewska-Zadworna, A. & E. Zenkteler. 2002. In vitro storage of *Polypodium vulgare* L. rhizome shoot tips using ABA treatment before dehydration: Encapsulation technique. *Acta Biologica Cracoviensia Series Botanica 44*: 231-236.
25. Bailey, S. W. 2002. Distribution of a calcicole fern on granitic substrate in New Hampshire: Implications for nutrient cycling studies. *Ecological Society of America Annual Meeting Abstracts 87*: 314-315. [Abstract; *Dryopteris fragrans*]
26. Bajpai, A. K. & H. K. Goswami. 2002. Human genome may share some genes with plant gene pool. *Bionature 22*: 63-65. [*Isoetes pantii*]
27. Bakker, P. 2002. Landed estates and country seats: Interweaving of nature and culture. *Levende Natuur 103*: 179-181. [*Cystopteris filix-fragilis*]
28. Ballesteros, D., A. M. Ibars & E. Estrelles. 2002. Soil spore bank of *Phyllitis sagittata* (DC.) Guinea & Heywood. *Fern Gazette 16*: 428. [Abstract]
29. Banerjee, S. 2002. Botanists! Just think for a while. *Current Science (Bangalore) 83*: 1060.
30. Banerji, J. 2002. Mutualism/symbiosis from the early Cretaceous (intertrappeans) of Rajmahal Basin, Jharkhand, India. *Current Science (Bangalore) 83*: 1073-1074.
31. Barale, G., M. Barbacka & M. Philippe. 2002. Early Cretaceous flora of Hungary and its palaeoecological significance. *Acta Palaeobotanica 42*: 13-27.
32. Barale, G. & M. Ouaja. 2002. Plant biodiversity from Upper Jurassic-Lower Cretaceous Age localities of Merbah El Asfer (southern Tunisia). *Cretaceous Research 23*: 707-737. [French]
33. Barbacka, M. & E. Wcislo-Luraniec. 2002. *Ginkgoites acosmia* Harris from the Polish Rhaetian. *Acta Palaeobotanica 42*: 7-11.
34. Barcelona, J. F. 2002. Philippine pteridophyte collections as a resource for conservation planning. *Fern Gazette 16*: 307-312.

35. Barcelona, J. F. & T. Hollowell. 2002. The distribution of threatened pteridophytes endemic to the Philippines. *Fern Gazette* 16: 429. [Abstract]
36. Barlow, P. W. 2002. The root cap: Cell dynamics, cell differentiation and cap function. *Journal of Plant Growth Regulation* 21: 261-286. [*Azolla filiculoides*]
37. Barrington, D. S., Y. Yatabe & S. Wu. 2002. New insights into the phylogeny of Asian *Polystichum* (Dryopteridaceae) from expanded rbcL data. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
38. Barros, I. C. L. & P. G. Windisch. 2002. Pteridophytes of the State of Pernambuco, Brazil: Rare and endangered species. *Fern Gazette* 16: 430. [Abstract]
39. Beck, R. 2002. Record of a rare fern hybrid in South Tyrol, Italy: *Asplenium xbavaricum* D. E. Mey nssp. *protoadulterinum* (Lovis & Reichst.) Munoz Garm. (Pteridophyta: Aspleniaceae). *Gredleriana* 2: 227-232. [German]
40. Beerling, D. J. 2002. Low atmospheric CO<sub>2</sub> levels during the Permo-Carboniferous glaciation inferred from fossil lycopsids. *Proceedings of the National Academy of Sciences of the United States of America* 99: 12567-12571 (<http://www.pnas.org>).
41. Beerling, D. J., B. H. Lomax, D. L. Royer, G. R. Upchurch & L. R. Kump. 2002. An atmospheric pCO<sub>2</sub> reconstruction across the Cretaceous-Tertiary boundary from leaf megafossils. *Proceedings of the National Academy of Sciences of the United States of America* 99: 7836-7840 (<http://www.pnas.org>).
42. Belaya, G. A. & V. L. Morozov. 2002. Factors of gigantism of herbaceous plant communities. *Byulleten' Moskovskogo Obshchestva Ispytatelei Prirody Otdel Biologicheskii* 107: 30-39.
43. Benaroya, R. O. & E. Tel-Or. 2002. Phytic acid in *Azolla* and its role in metal binding. *In Vitro Cellular & Developmental Biology*. Animal 38: 66A.
44. Bennert, H. W. 2002. Artenschutzmaßnahmen bei gefährdeten Farnpflanzen (Pteridophyta) in Deutschland. *Schriftenr. Vegetationskunde* 36: 183-190. [German]
45. Bera, S. & R. Mukhopadhyay. 2001. Circinate veneration in fern leaves; a fossil report from Upper Jurassic of Rajmahal hills of Bihar. *J. Natl. Bot. Soc.* 53: 69-70.
46. Bercu, R. 2002. Structural organization of the root in some autochthonous ferns. *Sumarstvo Forestry (LIV)*, Belgrade 1-2: 17-21.
47. Bergstrom, D. M., J. Whinam & L. Belbin. 2002. A classification of subantarctic Heard Island vegetation. *Arctic Antarctic & Alpine Research* 34: 169-177.
48. Berlina, N. G., V. A. Kostina, I. B. Kucherov & V. V. Chepinoga. 2002. New additions to the flora of lapland biosphere reserve (Murmansk Province). *Byulleten' Moskovskogo Obshchestva Ispytatelei Prirody Otdel Biologicheskii* 107: 57-59. [*Athyrium sinense*, *Huperzia arctica*]
49. Berry, C. M. & M. Fairon-Demaret. 2002. The architecture of *Pseudosporochnus nodosus* Leclercq et Banks: A Middle Devonian Cladoxylopsid from Belgium. *International Journal of Plant Sciences* 163: 699-713 (<http://www.journals.uchicago.edu/IJPS/journal/>).
50. Bidin, A. A., H. H. Khatijah & C. T. Koh. 2002. The fern allies Lycopodiaceae P. Beauv. ex Mirbel in Malaysia: variation in surface structure of the spores. *Folia Malaysiana* 3: 49-66.
51. Bir, S. S. 2002. Obituary: Professor Rolla Milton Tryon Jr. (1916-2001). *Indian Fern J.* 19: 126-128.

52. Bir, S. S. 2002. In memoriam: Dr. Triloki Nath Khoshoo (1927-2002). *Indian Fern J.* 19: 129-131.
53. Bir, S. S. 2002. Himalaya, the cradle of species rich and genetically variable pteridophytic flora in danger of losing its floristic significance. National Seminar on Pteridophytes The Vanishing Plants Panjab University, Chandgarh, India. November 25-26, 2002: 1-3. [Abstract]
54. Birch, C. P. D. 2001(2002). The influence of position on genet growth: A simulation of a population of bracken (*Pteridium aquilinum* (L.) Kuhn) genets under grazing. *Evolutionary Ecology* 15: 463-483 (<http://www.kluweronline.com/issn/0269-7653>).
55. Birks, H. H. 2002. The recent extinction of *Azolla nilotica* in the Nile Delta, Egypt. *Acta Palaeobotanica* 42: 203-213.
56. Bitar, A. L. & I. Bianchini Jr.. 2002. Mineralisation assays of some organic resources of aquatic systems. *Brazilian Journal of Biology* 62: 557-564. [Salvinia]
57. Bjureke, K., M. Eriksen & S. S. Dhillion. 2002. Arbuscular mycorrhiza: Hidden symbiosis in meadow plants. *Blyttia* 60: 37-44. [Norwegian]
58. Blasi, C., L. Filesi, A. Stanisci, R. Frondoni, R. Di Pietro & M. L. Carranza. 2002. Excursion to the Circeo National Park. *Fitosociologia* (Pavia) 39: 91-96. [Asplenium marinum]
59. Blass, U. & U. Kienzle. 2002. Changes in botanical biodiversity in the Reinacherheide nature reserve, Switzerland. *Mitteilungen der Naturforschenden Gesellschaften Beider Basel* 6: 63-86. [German]
60. Blythe, E. K., J. L. Mayfield, B. C. Wilson, E. L. Vinson IV & J. L. Sibley. 2002. Comparison of three controlled-release nitrogen fertilizers in greenhouse crop production. *Journal of Plant Nutrition* 25: 1049-1061 (<http://www.dekker.com/servlet/product/productid/PLN>). [Nephrolepis exaltata]
61. Bock, M. D. & K. C. J. Van Rees. 2002. Mechanical site preparation impacts on soil properties and vegetation communities in the Northwest Territories. *Canadian Journal of Forest Research* 32: 1381-1392. [Equisetum scirpoides, E. sylvaticum]
62. Bondada, B. R., L. Q. Ma & S. Tu. 2002. Frond absorption of foliar-applied arsenic by arsenic-hyperaccumulating brake fern (*Pteris vittata* L.). p. 152 (<http://www.aspb.org/meetings/>). In *Plant Biology*. American Society of Plant Biologists, New York. [Abstract]
63. Bondada, B. R., L. Q. Ma, R. S. Underhill, R. Duran & M. Davidson. 2002. Spatial distribution of arsenic species in brake fern (*Pteris vittata* L.) using X-ray absorption spectroscopy. p. 152 (<http://www.aspb.org/meetings/>). In *Plant Biology*. American Society of Plant Biologists, New York. [Abstract]
64. Bonde, S. D. & K. P. N. Kumaran. 2002. The oldest macrofossil record of the mangrove fern *Acrostichum* L. from the Late Cretaceous Deccan Intertrappean beds of India. *Cretaceous Research* 23: 149-152 (<http://www.academicpress.com/cretres>).
65. Bonde, S. D. & K. P. N. Kumaran. 2002. A permineralized species of mangrove fern *Acrostichum* L. from Deccan Intertrappean beds of India. *Review of Palaeobotany & Palynology* 120: 285-299 (<http://www.elsevier.com/locate/revpalbo>).
66. Bonin, P. & L. Chesnoy. 1998-1999(2002). *Osmunda regalis* and *Blechnum spicant* in the Forest of Montmorency (Val d'Oise, France). *Cahiers des Naturalistes* 54: 61-71.
67. Boonkerd, T. & P. Ratchata. 2002. Pteridophyte flora of Khun Korn Waterfall Forest Park, Chiang Rai Province, Thailand. *Natural History Bulletin of the SIAM Society* 50: 195-210. [Selaginella ciliaris, Dicranopteris linearis var. montana]

68. Borgo, M., S. M. Silva & M. P. Petean. 2002. Vascular epiphytes in a subtropical semideciduous forest remnant at Fenix, Parana, Brazil. *Acta Biologica Leopoldensia* 24: 121-130. [Portuguese]
69. Borstlap, A. C. 2002. Early diversification of plant aquaporins. *Trends in Plant Science* 7: 529-530. [*Adiantum capillus-veneris*]
70. Boudrie, M., R. Deschatres, G. Dutartre & J. Lambinon. 2002. Dryopteridaceae. In D. Jeanmonod & A. Schlusser (Eds.) *Notes et contributions a la flore de Corse, XVIII*. *Candollea* 56: 329-333. [French]
71. Boyce, C. K. & A. H. Knoll. 2002. Evolution of developmental potential and the multiple independent origins of leaves in Paleozoic vascular plants. *Paleobiology* 28: 70-100 (<http://www.jstor.org/journals/00948373.html>).
72. Bragazza, L. & R. Gerdol. 2002. Are nutrient availability and acidity-alkalinity gradients related in Sphagnum-dominated peatlands- *Journal of Vegetation Science* 13: 473-482. [*Equisetum limosum*]
73. Brahmachari, G. & D. Chatterjee. 2002. Triterpenes from *Adiantum lunulatum*. *Fitoterapia* 73: 363-368 (<http://www.elsevier.com/locate/fitote>).
74. Bremer, P. 2002. Increase of *Pilularia globulifera* L. (Pillwort) in the Province of Overijssel, the Netherlands. *Gorteria* 28: 81-88. [Dutch]
75. Brieva, A., A. Guerrero & J. P. Pivel. 2002. Immunomodulatory properties of a hydrophilic extract of *Polypodium leucotomos*. *Inflammopharmacology* 9: 361-371.
76. Brighigna, L., A. Bennici, C. Tani & G. Tani. 2002. Structural and ultrastructural characterization of *Selaginella lepidophylla*, a desiccation-tolerant plant, during the rehydration process. *Flora (Jena)* 197: 81-91.
77. Broglio Loriga, C., A. Fugagnoli, J. H. A. van Konijnenburg-van Cittert, E. Kustatscher, R. Posenato & M. Wachtler. 2002. The Anisian macroflora from the Northern Dolomites (Kuhwiesenkopf/Monte Pra della Vacca, Braies); a first report. *Riv. Ital. Di Paleont. e Strat.* 108: 381-390.
78. Broman, A. & I. Ekdahl. 2002. *Oreopteris limbosperma* (Bellardi ex all.) Holub on the Hallandsasen horst, S. Sweden.: New and refound occurrences. *Botaniska Notiser* 135: 25-31. [Swedish]
79. Broudiscou, L. P., Y. Papon & A. F. Broudiscou. 2002. Effects of dry plant extracts on feed degradation and the production of rumen microbial biomass in a dual outflow fermenter. *Animal Feed Science & Technology* 101: 183-189 (<http://www.elsevier.com/locate/anifeedsci>). [*Equisetum arvense*]
80. Brownsey, P. J. 2002. Feeding the Victorian fern craze. *New Zealand Heritage* 87: 38-39.
81. Brozova, J. 2002. Exploitation of the mycoparasitic fungus *Pythium oligandrum* in plant protection. *Plant Protection Science* 38: 29-35. [*Nephrolepis*]
82. Bruce-Grey Plant Committee. 2002. *The ferns of Grey & Bruce*. Stan Brown Printers Limited, Owens Sound, Canada. 119 pp.
83. Bruch, A. A. & V. Mosbrugger. 2002. Palaeoclimate versus vegetation reconstruction: Palynological investigations on the Oligocene sequence of the Sava Basin, Slovenia. *Review of Palaeobotany & Palynology* 122: 117-141.
84. Brullo, S. & R. Guarino. 2002. The class *Parietarietea judaicae* Oberd. 1977 in Italy. *Fitosociologia (Pavia)* 39: 5-27. [Italian, *Asplenium trichomanes*]
85. Brum, F. R. & A. M. Randi. 2002. High irradiance and temperature inhibit the germination of spores of the fern *Rumohra adiantiformis* (Forst.) Ching (Dryopteridaceae). *Revista Brasileira de Botanica* 25: 391-396.

86. Bryson, G. M. & A. V. Barker. 2002. Sodium accumulation in soils and plants along Massachusetts roadsides. *Communications in Soil Science & Plant Analysis* 33: 67-78.
87. Bujnoch, W. 2002. Farnfunde im ehemaligen Regierungsbezirk Trier - 18. Nachtrag. *Dendrocopos* 29: 65-67. [German]
88. Burrows, J. E. & S. M. Burrows. 2002. Pteridophyta. A new fern record for the Flora of southern Africa region. 32: 195-196. [Asplenium unilaterale]
89. Burrows, J. E. & J. Golding. 2002. Fern conservation in south tropical Africa. *Fern Gazette* 16: 313-318.
90. Byrami, M., J. Ogden, M. Horrocks, Y. Deng, P. A. Shane & J. Palmer. 2002. A palynological study of Polynesian and European effects on vegetation in Coromandel, New Zealand, showing the variability between four records from a single swamp. *Journal of the Royal Society of New Zealand* 32: 507-531.
91. Cai, C., S. Chitale & Y. Dou. 2002. Studies on some permineralized lycopsid remains from the Upper Devonian of North Xinjiang, NW China. *Palaeontographica Abteilung B Palaeophytologie* 262: 119-136.
92. Callaway, R. M., K. O. Reinhart, G. W. Moore, D. J. Moore & S. C. Pennings. 2002. Epiphyte host preferences and host traits: Mechanisms for species-specific interactions. *Oecologia, Berlin* 132: 221-230. [Polypodium polypodioides]
93. Callisto, M., F. A. R. Barbosa & P. Moreno. 2002. The influence of Eucalyptus plantations on the macrofauna associated with *Salvinia auriculata* in Southeast Brazil. *Brazilian Journal of Biology* 62: 63-68.
94. Caluff, M. G. 2002. A note on the Cuban tree fern hybrid *Cyathea xcalolepis* (Cyatheaceae) and on its parentage. *Willdenowia* 32: 311-318.
95. Camus, J. M. 2002. Protected areas and the fern flora of Sulawesi, Indonesia. *Fern Gazette* 16: 431.
96. Carranco, M. E., R. M. Castillo, A. Escamilla, M. Martinez, F. Perez-Gil & E. Stephan. 2002. Chemical composition, leaf protein extraction and amino acid profile of seven aquatic plants. *Cuban Journal of Agricultural Science* 36: 237-248. [Azolla mexicana]
97. Celka, Z. & M. Kasprowicz. 2002. New localities of *Botrychium matricariifolium* and *B. multifidum* (Ophioglossaceae) in the Wielkopolska region. *Fragmenta Floristica et Geobotanica Series Polonica* 9: 75-79.
98. Chaerle, P. & R. Viane. 2002. Is the widespread *Asplenium aethopicum* (Burm. F.) Bech. worth preserving- *Fern Gazette* 16: 432. [Abstract]
99. Chandra, C. & M. Shrivastava. 2002. Diversity in the vasculature of the rhizome in some members of the Lindsaeoid ferns. *Indian Fern Journal* 19: 29-38.
100. Chandra, S. & M. Srivastava, ed. *Pteridology in the New Millennium*. 2002, Kluwer Academic Publishers: Dordrecht. 520 pp.
101. Chen, G. X., J. G. Chen, S. X. Yi, S. B. Liu & H. M. Li. 2002. The investigation and study on resources of medicinal ferns in Wulingshan region, China. *Jishou Daxue Xuebao (Ziran Kexue Ban)* 23: 51-54 (<http://jsdn.chinajournal.net.cn>).
102. Chen, J., W. W. Zheng, G. Z. Xu, T. Y. Song & L. F. Tang. 2002. The genetic diversity and homology of *Anabaena azollae* and its host plant (*Azolla*) based on RAPD analysis. *Yichuan* 24: 45-49 (<http://www.ycjournal.com>).
103. Chen, L. Z., Z. J. Li & H. T. Zhou. 2002. Study on molecular taxonomy of 5 species of Cyatheaceae in Fujian. *Journal of Xiamen University (Natural Science)* 41: 481-486. [*Alsophila spinulosa*, *Gymnosphaera hancockii*, G.

metteniana, *G. niumulensis*, *G. podophylla*]

104. Chen, Z. & Y. Cai. 2002. Organic acids and amino acids in Brake fern, an arsenic hyperaccumulator. Abstracts of Papers American Chemical Society 223: ANYL 19. [Abstract; *Pteris vittata*]
105. Chiang, T. Y., Y. C. Chiang, C. H. Chou, Y. P. Cheng & W. L. Chiou. 2002. Phylogeography and conservation of *Archangiopteris somai* Hayata and *A. itoi* Shieh based on nucleotide variation of the *atpB-rbcL* intergenic spacer of chloroplast DNA. *Fern Gazette* 16: 335-340.
106. Chinnery, L. E. 2002. Biogeography, human geography and ferns in the Eastern Caribbean. *Fern Gazette* 16: 301-306.
107. Chiou, W. L., D. R. Farrar & T. A. Ranker. 2002. The mating systems of some epiphytic Polypodiaceae. *American Fern Journal* 92: 65-79. [*Campyloneurum angustifolium*, *C. phyllitidis*, *Microgramma heterophylla*, *Phlebodium aureum*, *Phymatosorus scolopendria*, *Polypodium pellucidum*]
108. Christianson, M. L. 2002. Root formation in ferns: an evo-devo exploration. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
109. Chuey, C. F. 2002. Pteridophyte distribution by township in Venango County, Pennsylvania. *Bartonia* (61): 131-136.
110. Clemons, L. 2002. A further record of *Dicranoptycha fuscescens* (Schummel) (Dip.: Limoniidae) in north Kent. *Entomologist's Record & Journal of Variation* 114: 171. [*Pteridium aquilinum*]
111. Clifford, H. T. 2002. A new Devonian fern, *Fanningopteris wyattii*, from Queensland. *Memoirs of the Queensland Museum* 48: 71-77.
112. Cohen, M. F., T. Meziane, M. Tsuchiya & H. Yamasaki. 2002. Feeding deterrence of *Azolla* in relation to deoxyanthocyanin and fatty acid composition. *Aquatic Botany* 74: 181-187 (<http://www.elsevier.com/locate/aquabot>).
113. Cohen, M. F., Y. Sakihama, Y. C. Takagi, T. Ichiba & H. Yamasaki. 2002. Synergistic effect of deoxyanthocyanins from symbiotic fern *Azolla* spp. on *hrmA* gene induction in the cyanobacterium *Nostoc punctiforme*. *Molecular Plant-Microbe Interactions* 15: 875-882.
114. Cohen, M. F., J. Williams & H. Yamasaki. 2002. Biodegradation of diesel fuel by an *Azolla*-derived bacterial consortium. *Journal of Environmental Science & Health Part A-Toxic/Hazardous Substances & Environmental Engineering A37*: 1593-1606 (<http://www.dekker.com/servlet/product/productid/ESE>). [*Azolla pinnata*, *Salvinia molesta*]
115. Cohen-Shoel, N., Z. Barkay, D. Ilzyer, I. Gilath & E. Tel-Or. 2002. Biofiltration of toxic elements by *Azolla* biomass. *Water, Air, & Soil Pollution* 135: 93-104 (<http://www.kluweronline.com/issn/0049-6979>).
116. Cohen-Shoel, N., D. Ilzyer, I. Gilath & E. Tel-Or. 2002. The involvement of pectin in Sr<sup>2+</sup> biosorption by *Azolla*. *Water, Air, & Soil Pollution* 135: 195-205 (<http://www.kluweronline.com/issn/0049-6979>).
117. Colli, A. M. T. & S. C. de Andrade Perez. 2002. The action of white light in the determination of pre-induction phase of spores of *Cheilanthes concolor*. *Revista Logos* 25-27. [Portuguese]
118. Colli, A. M. T., S. C. de Andrade Perez & J. Gaultieri. 2002. Effect of Ga<sup>3+</sup>, thiourea and coumarin on germination of *Thelypteris longifolia* spores. *Boletim do Museu de Biologia Mello Leitao Nova Serie* 13: 33-43. [Portuguese]
119. Collinson, M. E. 2002. The ecology of Cainozoic ferns. *Review of Palaeobotany & Palynology* 119: 51-68

(<http://www.elsevier.com/locate/revpalbo>).

120. Collinson, M. E. & J. H. A. van Konijnenburg-van Cittert. 2002. Ecology of ferns through time (IOPC-VI). Review of Palaeobotany & Palynology 119: vii-viii (<http://www.elsevier.com/locate/revpalbo>).
121. Cooke, R. J. 2002. Plant conservation in Great Britain: The legislative and policy framework. Fern Gazette 16: 341-343.
122. Cranfill, R. & M. Kato. 2002. Phylogenetics, biogeography, and classification of the woodwardioid ferns (Blechnaceae). Kluwer Academic Publishers, Dordrecht. 25-48 pp.
123. Criodain, C. O. 2002. Short communication: Incorporation of biodiversity conservation into the work of Duchas: The Heritage Service. Biology & Environment-Proceedings of the Royal Irish Academy 102B: 189-192. [Gymnocarpium robertianum]
124. Croft, J. & P. Bostock. 2002. Documenting the conservation status of Australian ferns and fern allies. Fern Gazette 16: 467. [Abstract]
125. Cullina, W. 2002. Tales of the lady in red. Hardy Fern Foundation Quarterly 12: 68-70. [Athyrium filix-femina]
126. Cullina, W. 2002. Fern propagation. New England Wild Flower 6: 24.
127. Curtis, P. D., E. D. Rowland & G. L. Good. 2002. Developing a plant-based vole repellent: Screening of ten candidate species. Crop Protection 21: 299-306 (<http://www.elsevier.com/locate/cropro>). [Dennstaedtia punctilobula]
128. Cusick, A. W. 2002. A binomial for the hybrid Polypodium of eastern North America. American Fern Journal 92: 240-241.
129. Czaja, A. D., J. W. Schopf, M. C. Storrie-Lombardi & G. Cody. 2002. Multi-spectrum analysis of geochemical alteration through natural and artificial fossilization. Astrobiology 2: 622-623. [Dennstaedtia cicutaria, Dennstaedtiopsis aerenchymata]
130. Czaja, A. D., J. W. Schopf, M. C. Storrie-Lombardi, A. B. Kudryavtsev & R. Bhartia. 2002. Laser raman spectroscopic analysis of biochemical changes caused by fossilization. Origins of Life & Evolution of the Biosphere 32: 512.
131. Dai, S. J., Q. X. Wang, W. M. Bao & K. H. Shing. 2002. Spore morphology on pteridophytes from China: 3. Thelypteridaceae. 1. Cyclosorus Link. Acta Phytotax. Sin. 40: 334-344.
132. Darbyshire, S. J. 2002. Ephemeral occurrence of the mosquito fern, Azolla caroliniana, at Ottawa, Ontario. Canadian Field-Naturalist 116: 441-445.
133. Dastagir, G. & H. I. Ul. 2002. Phytosociology of Mai Dhani Hill near Muzaffarabad, Azad Kashmir II. Winter vegetation. Pakistan Journal of Scientific & Industrial Research 45: 277-283. [Hypodematium]
134. Dawar, S. & P. K. Singh. 2002. Comparison of soil- and nutrient-based medium for maintenance of Azolla cultures. Journal of Plant Nutrition 25: 2719-2729.
135. Dawra, R. K., N. P. Kurade & O. P. Sharma. 2002. Carcinogenicity of the fern Pteridium aquilinum collected from enzootic bovine haematuria-free hilly area in India. Current Science (Bangalore) 83: 1005-1009.
136. de Jong, M. D., G. W. Bourdot, J. Powell & J. Goudriaan. 2002. A model of the escape of Sclerotinia sclerotiorum ascospores from pasture. Ecological Modelling 150: 83-105 (<http://www.elsevier.com/locate/ecolmodel>). [Lycopodium clavatum]
137. de la Cretaz, A. L. & M. J. Kelty. 2002. Development of tree regeneration in fern-dominated forest understories



- after reduction of deer browsing. *Restoration Ecology* 10: 416-426 (<http://www.blackwellscience.com/journals/ecology/index.html>). [*Dennstaedtia punctilobula*]
138. de La Sota, E. R. 2002. Keep the places where evolution is working! *Fern Gazette* 16: 454. [Abstract]
139. Demske, D., B. Mohr & H. Oberhaensli. 2002. Late Pliocene vegetation and climate of the Lake Baikal region, southern East Siberia, reconstructed from palynological data. *Palaeogeography Palaeoclimatology Palaeoecology* 184: 107-129 (<http://www.elsevier.com/locate/palaeo>).
140. Deng, S. 2002. Ecology of the Early Cretaceous ferns of Northeast China. *Review of Palaeobotany & Palynology* 119: 93-112 (<http://www.elsevier.com/locate/revpalbo>).
141. Deng, X. L. & C. X. Huang. 2002. Analyses on the flora and studies on the function of medicinal pteridophytes in Jungganshan nature reserve. *Bull. of Bot. Research* 22: 91-97. [Chinese]
142. Deng, Y. F., N. C. Liang & T. Liang. 2002. Analysis of the diterpenoids in the extract of *Pteris semipinnata* L by HPLC-APCI-MS. *Yaoxue Xuebao* 37: 444-446.
143. Denley, K. K., C. T. Bryson & R. A. Stewart. 2002. Vascular flora of Yalobusha County, Mississippi. *Castanea* 67: 402-415. [*Deparia petersenii*]
144. Dennison, C., A. T. Lawler & T. Kohzuma. 2002. Unusual properties of plastocyanin from the fern *Dryopteris crassirhizoma*. *Biochemistry* 41: 552-560 (<http://pubs.acs.org/journals/bichaw/>).
145. di Pasquo, M. 2002. The *Crassispora kosankei*-*Cystoptychus azcuyi* palynozone of the Upper Carboniferous Tupambi Formation, Tarija Basin, northern Argentina. *Review of Palaeobotany & Palynology* 118: 47-76 (<http://www.elsevier.com/locate/revpalbo>).
146. Dilustro, J. J., B. S. Collins, L. K. Duncan & R. R. Sharitz. 2002. Soil texture, land-use intensity, and vegetation of Fort Benning upland forest sites. *Journal of the Torrey Botanical Society* 129: 289-297. [*Pteridium aquilinum*]
147. DiMichele, W. A. & D. Chaney. 2002. Early Permian (Leonardian) vegetation of the Clear Fork and Pease River groups, north-central Texas. *Journal of Vertebrate Paleontology* 22: 49A.
148. DiMichele, W. A. & T. L. Phillips. 2002. The ecology of Paleozoic ferns. *Review of Palaeobotany & Palynology* 119: 143-159 (<http://www.elsevier.com/locate/revpalbo>).
149. Dines, T. D. & I. R. Bonner. 2002. A new hybrid horsetail, *Equisetum arvense* x *Equisetum telmateia* (*Equisetum xrobertsii*) in Britain. *Watsonia* 24: 145-157.
150. Dixit, R. D. 2001. A census of rare and endangered pteridophytes of the eastern Himalaya and conservation strategies. Pp. 605-611. In P. C. Pande & S. S. Samant (Eds.). *Plant Diversity of the Himalaya*. Gyanodaya Prakashan, Nainital.
151. Dixit, R. D. & R. Kumar. 2002. Pteridophytes of Uttaranchal: a check list. Bishen Singh Mahendra Pal Singh, Dehra Dun. 159 pp.
152. Dong, S. Y., S. G. Lu & X. C. Zhang. 2002. Classification of the genus *Ctenitopsis* from Yunnan. *Acta Botanica Yunnanica* 24: 439-444.
153. Dooley, M. A. & L. J. Swartzell. 2002. Porosity and specific retention of *Emminence-Potosi Dolomite Limestone* from *Cheilanthes feei* habitat in southeast Missouri. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
154. Doweld, A. B. 2002. *Prosyllabus Tracheophytorum* (Tentamen systematis plantarum vascularium (Tracheophytorum)). GEOS, Moscow. 12-16, iv-xii, 36-42 (Ferns) pp.

155. Duchoslav, M. 2002. Flora and vegetation of stony walls in East Bohemia (Czech Republic). *Preslia* (Prague) 74: 1-25. [*Asplenium ruta-muraria*, *Cystopteris fragilis*]
156. Dumas, Y. 2002. An overview of bracken. *Revue Forestiere Francaise* (Nancy) 54: 357-374. [*Pteridium aquilinum*]
157. Dunkel, F. G. 2002. Current records of *Woodsia ilvensis* (L.) R. Br. and *Polycnemum arvense* L. in Alto Adige, Italy: Discovery of lost or doubtful species. *Berichte der Bayerischen Botanischen Gesellschaft zur Erforschung der Heimischen Flora* 72: 7-12. [German]
158. Dunn, M. T., G. W. Rothwell & G. Mapes. 2002. Additional observations on *Rhynchosperma quinnii* (Medullosaceae): A permineralized ovule from the Chesterian (Upper Mississippian) Fayetteville Formation of Arkansas. *American Journal of Botany* 89: 1799-1808.
159. Dyer, A. 2002. Ferns in art: the Lidderdale fern hunt. *Pteridologist* 4: 9-11.
160. Dyer, A. F., E. Sheffield & A. C. Wardlaw. 2002. Fern flora worldwide: threats and responses: proceedings of the International Symposium at the University of Surrey, Guildford, UK 23-26 July 2001 (British Pteridological Society). London: British Pteridological Society 16: 254-481.
161. Eastwood, A., J. C. Vogel, M. Gibby & Q. C. B. Cronk. 2002. Relationships and genetic diversity of endemic *Elaphoglossum* species from St Helena: Implications for conservation. *Fern Gazette* 16: 411-412.
162. Eatough Jones, M. & T. D. Paine. 2002. Changes in insect herbivore communities along an ozone and nitrogen deposition gradient in the San Bernardino Mountains. *Ecological Society of America Annual Meeting Abstracts* 87: 345. [Abstract; *Pteridium*]
163. Ebihara, A., K. Iwatsuki, S. Kurita & M. Ito. 2002. Systematic position of *Hymenophyllum rolandi-principis* Rosenst. or a monotypic genus *Rosenstockia* Copel. (Hymenophyllaceae) endemic to New Caledonia. *Acta Phytotaxonomica et Geobotanica* 53: 35-49.
164. Ebihara, A., S. Matsumoto, T. Iwashina, K. Sugimura & K. Iwatsuki. 2002. Hymenophyllaceae (Pteridophytes) of Vanuatu. *Ann. Tsukuba Bot. Gard.* 21: 61-72.
165. Ellwood, M. D. F., D. T. Jones & W. A. Foster. 2002. Canopy ferns in lowland dipterocarp forest support a prolific abundance of ants, termites, and other invertebrates. *Biotropica* 34: 575-583. [*Asplenium nidus*]
166. Enstone, D. E., C. A. Peterson & F. Ma. 2002. Root endodermis and exodermis: Structure, function, and responses to the environment. *Journal of Plant Growth Regulation* 21: [Selaginella]
167. Estrelles, E. & A. M. Ibars. 2002. *Marsilea quadrifolia* L. in the natural park of the Delta del Ebro (Tarragona, Spain): Recovery and conservation. *Fern Gazette* 16: 433. [Abstract]
168. Evans, P. A., I. M. Evans & G. P. Rothero. 2002. Flora of Assynt: flowering plants and ferns. Evans, P A, Evans, I M, Rothero, G P, United Kingdom. 284 pp.
169. Everitt, J. H., C. Yang, R. J. Helton, L. H. Hartmann & M. R. Davis. 2002. Remote sensing of giant salvinia in Texas waterways. *Journal of Aquatic Plant Management* 40: 11-16. [*Salvinia molesta*]
170. Fabian, B. P. & B. S. Fabian. 2002. *Saxicola rubetra* returned to Marbeck river after restoration scheme. Behavior studies at the roosting site. *Vogelkundliche Hefte Edertal* 28: 47-50. [German, *Equisetum arvense*]
171. Fairchild, J. F., A. L. Allert, J. S. Riddle & D. R. Gladwin. 2002. Efficacy of glyphosate and five surfactants for controlling giant salvinia. *Journal of Aquatic Plant Management* 40: 53-58. [*Salvinia molesta*]
172. Falcon-Lang, H. J. & D. J. Cantrill. 2002. Terrestrial paleoecology of the Cretaceous (early Aptian) Cerro Negro

- Formation, South Shetlands Islands, Antarctica: A record of polar vegetation in a volcanic arc environment. *Palaios* 17: 491-506.
173. Farnsworth, E. 2002. New England Wild Flower Society celebrates the year of the fern. *Hardy Fern Foundation Quarterly* 12: 64-66.
174. Farnsworth, E. 2002. Fern evolution and history. *New England Wild Flower* 6: 2-3.
175. Farrar, D. R. 2002. Warren H. Wagner, Jr. (1920-2000). *Amer. Fern. J.* 92: 39-49.
176. Farrar, D. R. & M. C. Stensvold. 2002. Allopolyploid speciation in *Botrychium*--Charlie was right! (and so were we). In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
177. Fernandez-Cardenete, J. R. & J. M. Tierno de Figueroa. 2002. First records of *Osmylus fulvicephalus* (Scopoli, 1763) in southern Iberian Peninsula (Planipennia, Osmylidae). *Boletin de la Asociacion Espanola de Entomologia* 26: 199-200. [Spanish; *Athyrium filix-femina*, *Dryopteris filix-mas*]
178. Fernando, B. 2002. Ferns of Sri Lanka. Fern Society of Sri Lanka, Katuneriya, Sri Lanka. 28 pp.
179. Figueiredo, E. 2002. Institute for Tropical Scientific Research. Studies, Essays and Documents. Pteridophytes of Sao Tome and Principe, 162. Instituto de Investigacao Cientifica Tropical, Lisbon. 209 pp. [Portuguese]
180. Filliat, P., A. Foquin & G. Lallement. 2002. Effects of chronic administration of huperzine A on memory in guinea pigs. *Drug & Chemical Toxicology an International Journal for Rapid Communication* 25: 9-24. [*Huperzia serrata*]
181. Flechtmann, C. H. W. 2002. *Esalquia centennaria*, a new genus and new species of Eriophyidae (Acari) from ferns in Brazil. *International Journal of Acarology* 28: 41-44. [Thelypteris]
182. Forni, C., A. Cascone, M. Fiori & L. Migliore. 2002. Sulphadimethoxine and *Azolla filiculoides* Lam.: A model for drug remediation. *Water Research* 36: 3398-3403 (<http://www.elsevier.com/locate/watres>).
183. Forsyth, D. M., D. A. Coomes, G. Nugent & G. M. J. Hall. 2002. Diet and diet preferences of introduced ungulates (Order: Artiodactyla) in New Zealand. *New Zealand Journal of Zoology* 29: 323-343.
184. Fotedar, R. L. 2002. Structure and development of sieve cells in *Dicranopteris linearis*. *Indian Fern Journal* 19: 89-93.
185. Franca, T. d. N., C. H. Tokarnia & P. V. Peixoto. 2002. Diseases caused by the radiomimetic principle of *Pteridium aquilinum* (Polypodiaceae). A review. *Pesquisa Veterinaria Brasileira* 22: 85-96.
186. Francesconi, K., P. Visoottiviset, W. Sridokchan & W. Goessler. 2002. Arsenic species in an arsenic hyperaccumulating fern, *Pityrogramma calomelanos*: A potential phytoremediator of arsenic-contaminated soils. *Science of the Total Environment* 284: 27-35 (<http://www.elsevier.com/locate/scitotenv>).
187. Freckleton, R. P. & A. R. Watkinson. 2002. Are weed population dynamics chaotic- *Journal of Applied Ecology* 39: 699-707 (<http://www.blackwell-science.com/~cgilib/jnlpage.asp-Journal=jappl&File=jappl>). [*Equisetum arvense*]
188. Freitas, R. N., G. Brasileiro-Filho, M. E. Silva & S. D. J. Pena. 2002. Bracken fern-induced malignant tumors in rats: Absence of mutations in p53, H-ras and K-ras and no microsatellite instability. *Mutation Research* 499: 189-196 (<http://www.elsevier.com/locate/mutres>). [*Pteridium aquilinum* subs. *arachnoideum*]
189. Fu, F. F., T. Akagi & S. Yabuki. 2002. Origin of silica particles found in the cortex of *Matteuccia* roots. *Soil Science Society of America Journal* 66: 1265-1271.
190. Fujihara, M., Y. Hada & G. Toyohara. 2002. Changes in the stand structure of a pine forest after rapid growth of

- Quercus serrata* Thunb. *Forest Ecology & Management* 170: 55-65 (<http://www.elsevier.com/locate/foreco>).  
[*Gleichenia japonica*]
191. Galtier, J. & O. Bethoux. 2002. Morphology and growth habit of *Dicksonites pluckenettii* from the Upper Carboniferous of Graissessac (France). *Geobios* 35: 525-535.
192. Gamperle, E. & J. J. Schneller. 2002. Phenotypic and isozyme variation in *Cystopteris fragilis* (Pteridophyta) along an altitudinal gradient in Switzerland. *Flora (Jena)* 197: 203-213.
193. Ganem, M. A., M. A. Morbelli, G. E. Guidice, I. G. Michelena & M. R. Pineiro. 2001. Las esporas del grupo *Asplenium squamosum* en America. *Polen (Espana)* 11: 51-58. [Spanish]
194. Garg, A. K., J. K. Kim, T. G. Owens, A. P. Ranwala, Y. D. Choi, L. V. Kochian & R. J. Wu. 2002. Trehalose accumulation in rice plants confers high tolerance levels to different abiotic stresses. *Proceedings of the National Academy of Sciences of the United States of America* 99: 15898-15903. [*Selaginella lepidophylla*]
195. Garve, E. & M. Hullen. 2002. Flora and vegetation in the Harz National Park, Germany (Excursion D). *Tuexenia* 22: 127-150. [German; *Diphasiastrum*]
196. Gastony, G. J., D. S. Barrington & D. S. Conant. 2002. Rolla Milton Tryon, Jr. (1916-2001). *American Fern Journal* 92: 1-9.
197. Gautier, L. & S. M. Goodman. 2002. History of the biological exploration of the Manongarivo Massif, Madagascar. *Boissiera* 59: 13-20. [French]
198. Gava, A., D. da S. Neves, D. Gava, S. T. de Moura, A. L. Schild & F. Riet-Correa. 2002. Bracken fern (*Pteridium aquilinum*) poisoning in cattle in Southern Brazil. *Veterinary & Human Toxicology* 44: 362-365.
199. Gibby, M. & A. F. Dyer. 2002. Ex situ conservation of globally-endangered species. *Fern Gazette* 16: 369-370.
200. Giudice, G. E., M. A. Morbelli & M. R. Pineiro. 2002. Palynological study in Aspleniaceae from northwest Argentina. *Boletín de la Sociedad Argentina de Botánica* 37: 217-229.
201. Given, D. R. 2002. Needs, methods and means. *Fern Gazette* 16: 269-277.
202. Goel, A. K. 2002. Botanic Gardens: Potential source for conservation of plant diversity. *Journal of Economic & Taxonomic Botany* 26: 67-74. [*Psilotum nudum*]
203. Gogoi, R. & M. K. Das. 2002. Ethnobotanical studies of some ferns used by the Garo tribals of Meghalaya. *Advances in Plant Sciences* 15: 401-405.
204. Gomez, B., F. Thevenard, M. Fantin & L. Giusberti. 2002. Late Cretaceous plants from the Bonarelli Level of the Venetian Alps, northeastern Italy. *Cretaceous Research* 23: 671-685.
205. Gomez, D. & C. Reynel. 2002. Floristic diversity and composition of riparian forests in Yanachaga, Departamento de Pasco, Peru (2500 mosl). *Ecological Society of America Annual Meeting Abstracts* 87: 142. [Abstract; *Cyathea*]
206. Gorecka-Nowak, A. 2002. Palynological record of palaeoclimatic changes in Late Carboniferous: An example from the Intrasudetic Basin (SW Poland). *Review of Palaeobotany & Palynology* 118: 101-114 (<http://www.elsevier.com/locate/revpalbo>).
207. Gottlieb, J. E. 2002. *Lycopodium lagopus* - the "one-cone club-moss" - new in West Virginia. *Hardy Fern Foundation Quarterly* 12: 28-30.
208. Gottlieb, J. E. 2002. *Lycopodium lagopus* new in West Virginia. *American Fern Journal* 92: 241-242.

209. Greimler, J., S. P. Lopez, T. F. Stuessy & T. Dirnbock. 2002. The vegetation of Robinson Crusoe Island (Isla Masatierra), Juan Fernandez Archipelago, Chile. *Pacific Science* 56: 263-284.
210. Grund, S. P. & J. C. Parks. 2002. Conservation status of pteridophytes in the 49 continental United States: A preliminary report. *Fern Gazette* 16: 290-294.
211. Guala, G. F., F. J. Burton, G. R. Proctor & S. P. Clifford. 2002. Additions to the Flora of the Cayman Islands. *Kew Bulletin* 57: 235-237. [*Pityrogramma calomelanos*, *Pteris vittata*]
212. Guiles, C. W. 2002. A fern foundation. *Hardy Fern Foundation Quarterly* 12: 46-47, 56-57. [*Osmunda claytoniana*]
213. Guillon, J. M. & C. Raquin. 2002. Environmental sex determination in the genus *Equisetum*: Sugars induce male sex expression in cultured gametophytes. *International Journal of Plant Sciences* 163: 825-830 (<http://www.journals.uchicago.edu/IJPS/journal/>).
214. Gundale, M. J. 2002. Influence of exotic earthworms on the soil organic horizon and the rare fern *Botrychium mormo*. *Conservation Biology* 16: 1555-1561.
215. Guo, C. Y. & D. Y. Liu. 2002. Studies on the pteridophyte flora of Qiyun mountainous region in Anhui Province. *Xibei Zhiwu Xuebao* 22: 1115-1121.
216. Guo, Q. F., M. Kato & R. E. Ricklefs. 2002. Life history, diversity and distribution: a study of Japanese pteridophytes. *Ecography* 26: 129-138.
217. Gurbuz, I., O. Ustun, E. Yesilada, E. Sezik & N. Akyurek. 2002. In vivo gastroprotective effects of five Turkish folk remedies against ethanol-induced lesions. *Journal of Ethnopharmacology* 83: 241-244. [*Equisetum palustre*]
218. Gureyeva, I. I. 2002. Taxonomy of ferns, problem of species and fern speciation. Pp. 145-164. In V. N. Stegny (Ed.). *Evolutionary biology*, Volume 2. Tomsk State University, Tomsk. [Russian]
219. Gureyeva, I. I. 2002. Rare fern species of Russia and reasons for their rarity. *Fern Gazette* 16: 319-323.
220. Gureyeva, I. I. 2002. Peculiarities of morphology of fern sporophytes in the first stages of ontogenesis. p. 41. In *Proceedings of II International Conference on Plant Anatomy and Morphology*, Saint Petersburg, 14-18 October 2002. [Abstract; Russian]
221. Gureyeva, I. I. 2002. *Botrychium multifidum* (S. G. Gmel.) Rupr., *Botrychium virginianum* (L.) Sw., *B. lanceolatum* (S. G. Gmel.) Angstr., *Ophioglossum vulgatum* L., *Cystopteris fragilis* (L.) Bernh., *C. sudetica* A. Br. Et Milde, *Gymnocarpium jessojense* (Koidz.) Koidz., *Dryopteris filix-mas* (L.) Schott, *D. cristata* (L.) F. Gray. Pp. 210-227. In A. S. Revushkin (Ed.). *Red Book of the Tomsk Region*. Tomsk State University Publishers, Tomsk. [Russian]
222. Gurung, V. L. 2002. Propagation and cultivation of some of the Nepalese ornamental ferns in the Garden. *Indian Fern Journal* 19: 34-39.
223. Gusewell, S., W. Koerselman & J. T. A. Verhoeven. 2002. Time-dependent effects of fertilization on plant biomass in floating fens. *Journal of Vegetation Science* 13: 705-718. [*Equisetum fluviatile*]
224. Hagemann, W. 2002. Shoot development in ferns: the example of *Dryopteris filix-mas*, a new holistic approach. Pp. 1-28. In P. C. Trivedi (Ed.). *Advances in Pteridology*. Pointer Publishers, Jaipur, India.
225. Haines, A. 2002. Fern Allies. *New England Wild Flower* 6: 28-30.
226. Haines, A. 2002. A new combination in *Lycopodiella* (Lycopodiaceae). *Rhodora* 104: 296-298.
227. Hamilton, A. C. 2002. Is fern conservation in the tropics possible- *Fern Gazette* 16: 413-416.

228. Hanson, L. & I. J. Leitch. 2002. DNA amounts for five pteridophyte species fill phylogenetic gaps in C-value data. *Botanical Journal of the Linnean Society* 140: 169-173 (<http://www.academicpress.com/botjls>).
229. Harper, D. M., M. M. Harper, M. A. Virani, A. Smart, R. B. Childress, R. Adatia, I. Henderson & B. Chege. 2002. Population fluctuations and their causes in the African Fish Eagle, (*Haliaeetus vocifer* (Daudin)) at Lake Naivasha, Kenya. *Hydrobiologia* 488: 171-180. [Salvinia]
230. Harris, D. & A. Rosser. 2002. Trade and conservation of tree ferns. *Fern Gazette* 16: 434. [Abstract; *Dicksonia antarctica*]
231. Hattori, T., K. Tamura, H. Ishida & N. Minamiyama. 2002. A vegetational study on a lucidophyllous forest in the upper reaches of the Shiratori River in the Kirishima mountain system, Miyazaki prefecture. *Humans & Nature* 13: 7-20. [Selaginella involvens, Lepisorus onoei, Asplenium wilfordii, Davallia mariesii, Lemmaphyllum microphyllum]
232. Haufler, C. H. 2002. Homospory 2002: An odyssey of progress in pteridophyte genetics and evolutionary biology. *Bioscience* 52: 1081-1093.
233. Haufler, C. H. 2002. 'Werthwhile' passions: Exploring the plants and research themes that fascinated Dr. Charles R. Werth. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
234. Hauk, W. D. & H. M. Hawke. 2002. Phylogenetic relationships in *Botrychium* s.s. (Ophioglossaceae) based on rbcL and trnL-F cpDNA sequences. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
235. He, H. 2002. Some new records of the ferns of Chongqing, southwestern China. *Journal of Chongqing Normal University (Natural Science Edition)* 19: 63-67. [Chinese]
236. He, Q., R. L. You, H. K. Sodmergen & W. M. Bao. 2002. Preprophase band loses its function as a cytokinetic apparatus in mitosis of neck canal mother cell. *Protoplasma* 220: 105-109. [*Dryopteris crassirhizoma*]
237. He, Z. C., Q. Cai, H. T. Liu, J. Q. Li & H. W. Huang. 2002. Chromosome number of *Isoetes sinensis* Palmer, a rare and endangered Pteridophyta plant. *J. Wuhan Bot. Res.* 20: 241-242.
238. Heafner, K. D. 2002. Noteworthy Collections: *Isoetes virginica* Pfeiffer in North Carolina. *Castanea* 67: 212.
239. Heenan, P. B., P. J. de Lange, E. K. Cameron & P. D. Champion. 2002. Checklist of dicotyledons, gymnosperms, and pteridophytes naturalised or casual in New Zealand: Additional records 1999-2000. *New Zealand Journal of Botany* 40: 155-174.
240. Hegde, S. & L. D'souza. 2002. 2iP: An effective cytokinin for the tissue culture of ferns. *Fern Gazette* 16: 435. [Abstract; *Acrostichum aureum*, *Drynaria quercifolia*, *Nephrolepis auriculata*]
241. Hegde, S., A. L. Dhanraj, C. Suneetha & L. D'souza. 2002. An efficient protocol for extraction and PCR amplification of tree-fern DNA from herbarium samples. *Fern Gazette* 16: 436. [Abstract]
242. Hemp, A. 2002. Ecology of the pteridophytes on the southern slopes of Mt. Kilimanjaro: I. Altitudinal distribution. *Plant Ecology* 159: 211-239 (<http://www.kluweronline.com/issn/1385-0237>).
243. Henriquez, J. M. 2002. Analysis of vascular flora on glacier valleys in the Magellan region, Chile. *Anales del Instituto de la Patagonia Serie Ciencias Naturales* 30: 25-40. [Spanish]
244. Henry-Silva, G. G. & A. F. M. Camargo. 2002. Nutritive value of free-floating aquatic macrophytes (*Eichhornia crassipes*, *Pistia stratiotes* and *Salvinia molesta*), used in aquaculture waste treatment. *Acta Scientiarum Universidade Estadual de Maringa* 24: 519-526. [Portuguese]

245. Henschel, K., R. Kofuji, M. Hasebe, H. Saedler, T. Muenster & G. Theissen. 2002. Two ancient classes of MIKC-type MADS-box genes are present in the moss *Physcomitrella patens*. *Molecular Biology & Evolution* 19: 801-814 (<http://www.molbioevol.org/>). [*Lycopodium annotinum*]
246. Herbst, R. & S. Gnaedinger. 2002. *Kurtziana Frenguelli* (Pteridospermae- incertae sedis) and *Alicurana* nov. gen. (Cycadopsida) from the Triassic and Early Jurassic of Argentina and Chile. *Ameghiniana* 39: 331-341. [Spanish]
247. Herman, A. B. 2002. Late Early-Late Cretaceous floras of the North Pacific Region: Florogenesis and early angiosperm invasion. *Review of Palaeobotany & Palynology* 122: 1-11.
248. Herrero, A., C. Prada & S. Pajaron. 2002. Gametophyte morphology and gametangial ontogeny of *Asplenium foreziense* and related taxa (Aspleniaceae: Pteridophyta). *Botanical Journal of the Linnean Society* 139: 87-98 (<http://www.academicpress.com/botjls>).
249. Hertel, H. 2002. Obituary on Dr. Dr. Gerhard Benl (1910-2001). *Sendtnera* 8: 195-204. [German]
250. Hildebrand, T. J., C. H. Haufler, J. P. Therrien, C. Walters & P. Hammond. 2002. A new hybrid *Polypodium* provides insights concerning the systematics of *P. scouleri* and its sympatric congeners. *American Fern Journal* 92: 214-228.
251. Hilger, H. H., M. Weigend & W. Frey. 2002. The gametophyte-sporophyte junction in *Isoetes boliviensis* Weber (Isoetales, Lycopodiophyta). *Phyton* 42: 149-157.
252. Hill, M. P. & I. G. Oberholzer. 2002. Laboratory host range testing of the flea beetle, *Pseudolampsis guttata* (LeConte) (Coleoptera: Chrysomelidae), a potential natural enemy for red water fern, *Azolla filiculoides* Lamarck (Pteridophyta: Azollaceae) in South Africa. *Coleopterists Bulletin* 56: 79-83.
253. Hillesheim-Kimmel, U. 2002. *Vicia dumetorum* between Alsbach and Auerbach, Bergstrasse region, Germany. *Hessische Floristische Briefe* 51: 57-61. [*Polystichum setiferum*]
254. Hilton, J., S. J. Wang, W. Q. Zhu, B. Tian, J. Galtier & A. H. Wei. 2002. Callospermation ovules from the Early Permian of northern China: Palaeofloristic and palaeogeographic significance of callistophytalean seed-ferns in the Cathaysian flora. *Review of Palaeobotany & Palynology* 120: 301-314 (<http://www.elsevier.com/locate/revpalbo>).
255. Hilton-Taylor, C. 2002. The IUCN/SSC species information service: a global species. *Fern Gazette* 16: 469. [Abstract]
256. Hilton-Taylor, C. & C. Hilton-Taylor. 2002. The IUCN/SSC Red List Programme: an overview. *Fern Gazette* 16: 462. [Abstract]
257. Hirasawa, Y., H. Morita & J. Kobayashi. 2002. Lyconesidines A-C, new alkaloids from *Lycopodium chinense*. *Tetrahedron* 58: 5483-5488 (<http://www.elsevier.nl/inca/publications/store/2/3/2/>).
258. Ho, Y. S., C. T. Huang & H. W. Huang. 2002. Equilibrium sorption isotherm for metal ions on tree fern. *Process Biochemistry* 37: 1421-1430 (<http://www.elsevier.com/locate/procbio>).
259. Hoagland, B. W. 2002. A classification and analysis of emergent wetland vegetation in western Oklahoma. *Proceedings of the Oklahoma Academy of Science* 82: 5-14. [*Marsilea vestita*]
260. Hoekstra, F. A. 2002. Pollen and spores: Desiccation tolerance in pollen and the spores of lower plants and fungi. Pp. 185-205. In M. Black & H. W. Pritchard (Eds.). *Desiccation and survival in plants: Drying without dying*. CABI Publishing, New York.
261. Hoff, M., J. J. de Granville, S. Lochon, B. Bordenave & V. Hequet. 2002. A protected plant species list for French Guiana. *Acta Botanica Gallica* 149: 339-354. [French]

262. Holloway, D. M. & M. Lantin. 2002. Maintaining apical dominance in the fern gametophyte. *Annals of Botany* (London) 89: 409-417 (<http://www.academicpress.com/aob>).
263. Hoque, M., R. Somvanshi, G. R. Singh & I. V. Mogha. 2002. Ultrasonographic evaluation of urinary bladder in normal, fern fed and enzootic bovine haematuria-affected cattle. *Journal of Veterinary Medicine - Series A* 49: 403-407. [*Dryopteris juxtaposita*, *Polystichum squarrosus*, *Pteridium aquilinum*]
264. Horn, K. 2002. Herbarbelege seltener und gefährdeter Farnpflanzen (Pteridophyta) aus Bayern im Herbarium de Naturhistorischen Gesellschaft Nurnberg. 1. Teil: Lycopodiaceae, Isoetaceae, Equisetaceae, Ophioglossaceae. *Natur u. Mensch, Jahresmitt. Naturhist. Ges. Nurnberg* 2000/2001: 23-28. [German with English Abstract; *Diphasiastrum alpinum*, *D. complanatum*, *D. tristachyum*, *D. zeilleri*, *Huperzia selago*, *Lycopodiella inundata*, *Lycopodium annotinum*, *L. clavatum*, *Isoetes lacustris*, *Equisetum xlittorale*, *E. ramissimum*, *E. variegatum*, *Botrychium lunaria*, *B. matricariifolium*, *B. multifidum*, *Ophioglossum vulgatum*]
265. Horn, K. & H. W. Bennert. 2002. *Diphasiastrum oellgaardii* Stoor & al. (Lycopodiaceae, Pteridophyta), a flat-branched clubmoss species new for the flora of Austria. *Phyton* 42: 125-148. [German]
266. Horrocks, J. R. 2002. *Dryopteris remota*, Scaly Buckler Fern. *Hardy Fern Foundation Quarterly* 12: 8.
267. Horrocks, J. R. 2002. *Polystichum tsussimense* - Tsus-sima holly fern, Korean rock fern. *Hardy Fern Foundation Quarterly* 12: 44-45, 55.
268. Horrocks, J. R. 2002. *Dryopteris intermedia* - Evergreen wood fern. *Hardy Fern Foundation Quarterly* 12: 63, 67.
269. Horrocks, J. R. 2002. *Asplenium trichomanes* - Maidenhair spleenwort. *Hardy Fern Foundation Quarterly* 12: 92-93.
270. Horrocks, M., S. L. Nichol & P. A. Shane. 2002. A 6000-year palaeoenvironmental record from Harataonga, Great Barrier Island, New Zealand. *New Zealand Journal of Botany* 40: 123-135. [*Cyathea*, *Pteridium*]
271. Hotchkiss, S., P. M. Vitousek, R. Ku & S. Luo. 2002. History of *Sphagnum palustre* in Hawaiian montane forests: Disturbance, invasion, community and ecosystem change. *Ecological Society of America Annual Meeting Abstracts* 87: 161. [Abstract; *Asplenium florentinum*]
272. Hou, G. C. 2002. Developmental and molecular genetic studies of roots in the fern *Ceratopteris richardii*. Idaho State University, Pocatello. 86 pp. [Dissertation]
273. Hou, G. C. & J. P. Hill. 2002. Heteroblastic root development in *Ceratopteris richardii* (Parkeriaceae). *International Journal of Plant Sciences* 163: 341-351.
274. Hrsak, V. 2002. Taxonomic and chorologic revision of the *Polypodium vulgare* complex in Herbarium Croaticum and the Ivo and Marija Horvat Herbarium. *Acta Botanica Croatica* 61: 45-49.
275. Hsieh, C. F. 2002. Composition, endemism and phytogeographical affinities of the Taiwan flora. *Taiwania* 47: 298-310.
276. Hsu, C. C., F. W. Horng & C. M. Kuo. 2002. Epiphyte biomass and nutrient capital of a moist subtropical forest in north-eastern Taiwan. *Journal of Tropical Ecology* 18: 659-670 (<http://uk.cambridge.org/journals/tro/>). [*Pyrrhosia lingua*]
277. Hueber, F. M. & J. Galtier. 2002. *Symplocopteris wyattii* n. gen. et n. sp.: A zygoterid fern with a false trunk from the Tournaisian (Lower Carboniferous) of Queensland, Australia. *Review of Palaeobotany & Palynology* 119: 241-273 (<http://www.elsevier.com/locate/revpalbo>).



278. Humphries, C. 2002. Measures of biodiversity. *Fern Gazette* 16: 468. [Abstract]
279. Hunt, G. R. & R. D. Gray. 2002. Species-wide manufacture of stick-type tools by New Caledonian Crows. *Emu* 102: 349-353.
280. Hunt, M. A., N. J. Davidson, G. L. Unwin & D. C. Close. 2002. Ecophysiology of the Soft Tree Fern, *Dicksonia antarctica* Labill. *Austral Ecology* 27: 360-368 (<http://www.blackwell-science.com/~cgilib/jnlpage.asp-Journal=xaje&File=xaje>).
281. Igarashi, Y., T. Iida, R. Yoshida & T. Furumai. 2002. Pteridic acids A and B, novel plant growth promoters with auxin-like activity from *Streptomyces hygrosopicus* TP-A0451. *Journal of Antibiotics (Tokyo)* 55: 764-767 (<http://www.antibiotics.or.jp>). [*Pteridium aquilinum*]
282. Imperato, F. 2002. 3,8-Di-C-arabinosylluteolin, a new flavonoid from *Pteris vittata*. *American Fern Journal* 92: 244-246.
283. Ingram, T. J. 2002. Compositions comprising *Equisetum* and *Symphytum* and methods for the treatment of symptoms associated with mycoplasma infection. (<http://www.uspto.gov/web/menu/patdata.html>). In *Official Gazette of the United States Patent & Trademark Office Patents*. [e-file] 1260(2).
284. Ishikawa, H., Y. Watano, K. Kano, M. Ito & S. Kurita. 2002. Development of primer sets for PCR amplification of the *PgiC* gene in ferns. *Journal of Plant Research* 115: 65-70. [*Arachniodes standishii*]
285. Ito, H., M. Koreishi, Z. X. Jin & T. Yoshida. 2002. Phenolic compounds from *Dryopteris fragrans*. *Natural Medicines* 56: 273.
286. Iwata, T., S. Tokutomi & H. Kandori. 2002. Photoreaction of the cysteine S-H group in the LOV2 domain of *Adiantum phytochrome3*. *Journal of the American Chemical Society* 124: 11840-11841.
287. Jarvel, L. & R. Pallett. 2002. Weed composition in relation to site in re-established pine compartments on the Mpumalanga escarpment, South Africa. *Southern African Forestry Journal* 196: 15-20. [*Pteridium*]
288. Jayakumar, M., M. Eyini, K. Lingakumar & G. Kulandaivelu. 2002. Effects of enhanced ultraviolet-B (280-320 nm) radiation on growth and photosynthetic activities in aquatic fern *Azolla microphylla* Kaulf. *Photosynthetica (Prague)* 40: 85-89.
289. Jermy, A. C. & T. A. Ranker. 2002. Epilogue: The way forward. *Fern Gazette* 16: 417-424.
290. Jerome, C. 2002. Une station nouvelle de *Diphasiastrum issleri* (Rouy) Holub dans le massif vosgien. *Monde Pl.* 97: 10. [French]
291. Jiang, D. X. & Y. D. Wang. 2002. Middle Jurassic spore-pollen assemblage from the Yan'an Formation of Dongsheng, Nei Mongol, China. *Acta Botanica Sinica* 44: 230-238.
292. Johansen, B., L. B. Pedersen, M. Skipper & S. Frederiksen. 2002. MADS-box gene evolution: Structure and transcription patterns. *Molecular Phylogenetics & Evolution* 23: 458-480 (<http://www.academicpress.com/mpe>).
293. Johns, R. J. 2002. The biodiversity and conservation of the ferns and fern allies of New Guinea. *Fern Gazette* 16: 463. [Abstract]
294. Johnson-Groh, C. L. & J. M. Lee. 2002. Phenology and demography of two species of *Botrychium* (Ophioglossaceae). *American Journal of Botany* 89: 1624-1633 (<http://www.amjbot.org>).
295. Johnson-Groh, C. L., C. Riedel, L. Schoessler & K. Skogen. 2002. Belowground distribution and abundance of *Botrychium* gametophytes and juvenile sporophytes. *American Fern Journal* 92: 80-92.

296. Joseph, L. H., V. S. Manickam & S. Gopalakrishnan. 2002. Scanning electron microscopic studies on the spores of Dryopteridaceae from the Western Ghats: South India. *Phytomorphology* 52: 145-154.
297. Josephraj Kumar, A. & B. Subrahmanyam. 2002. DNA synthesis in the imaginal wing discs of the American bollworm *Helicoverpa armigera* (Hubner). *Journal of Biosciences (Bangalore)* 27: 113-120 (<http://www.ias.ac.in/jbiosci/>). [*Cheilanthes farinosa*]
298. Kagawa, T. & M. Wada. 2002. Blue light-induced chloroplast relocation. *Plant & Cell Physiology* 43: 367-371 (<http://www.pcp.oupjournals.org/>). [*Adiantum capillus-veneris*]
299. Kar, P. P., S. Mishra & D. P. Singh. 2002. Azolla sporulation in response to application of some selected auxins and their combination with gibberellic acid. *Biology & Fertility of Soils* 35: 314-319.
300. Kar, P. P. & D. P. Singh. 2002. Effect of some metabolic inhibitors and growth hormones on the sporulation and growth of *Azolla microphylla*. *Experimental Agriculture* 38: 433-444 (<http://uk.cambridge.org/journals/eag/>).
301. Kar, R., P. S. Ranhotra, A. Bhattacharyya & B. Sekar. 2002. Vegetation vis-a-vis climate and glacial fluctuations of the Gangotri Glacier since the last 2000 years. *Current Science (Bangalore)* 82: 347-351.
302. Karlsson, T. 2002. Additions and corrections to the checklist of Swedish vascular plants. I. Pteridophyta-Fumariaceae. *Svensk Botanisk Tidskrift* 96: 75-93. [Swedish]
303. Karst, J. D. 2002. Ecological separation among fern species in an old-growth forest. McGill University, Montreal. 82 pp. [Thesis]
304. Karuppusamy, S., N. Karmegam & K. M. Rajasekaran. 2001(2002). Enumeration, ecology and ethnobotany of ferns of Sirumalai Hills, South India. *Journal of Economic & Taxonomic Botany* 25: 631-634.
305. Kato, M. 2002. First record of herbivory on Lycopodiaceae (Lycopodiales) by a dipteran (Pallopteridae) leaf/stem-miner. *Canadian Entomologist* 134: 699-701. [*Huperzia serratum*]
306. Kawahata, H., R. Maeda & H. Ohshima. 2002. Fluctuations in terrestrial-marine environments in the western equatorial Pacific during the Late Pleistocene. *Quaternary Research (Orlando)* 57: 71-81 (<http://www.academicpress.com/qr>).
307. Kazakova, M. V. & A. V. Shcherbakov. 2002. Floristic records in Ryazan province. *Byulleten' Moskovskogo Obshchestva Ispytatelei Prirody Otdel Biologicheskii* 107: 49-53. [*Polystichum braunii*]
308. Kelloff, C. L., J. E. Skog, L. Adamkewicz & C. R. Werth. 2002. Differentiation of eastern North American *Athyrium filix-femina* taxa: Evidence from allozymes and spores. *American Fern Journal* 92: 185-213.
309. Kersten, R. A. & S. M. Silva. 2002. Floristic composition and structure of the vascular epiphyte component of a subtropical ombrophilous alluvial forest of Barigui river, Parana, Brazil. *Revista Brasileira de Botanica* 25: 259-267. [Portuguese; *Microgramma squamulosa*, *Pleopeltis angusta*, *Polypodium hirsutissimum*]
310. Kessler, M. 2002. Range size and its ecological correlates among the pteridophytes of Carrasco National Park, Bolivia. *Global Ecology & Biogeography Letters* 11: 89-102 (<http://www.blackwell-science.com/~cgilib/jnlpage.asp?Journal=gtc&File=gtc>).
311. Kessler, M. 2002. The elevational gradient of Andean plant endemism: varying influences of taxon-specific traits and topography at different taxonomic levels. *Journal of Biogeography* 29: 1159-1166.
312. Khade, S. W. & B. F. Rodrigues. 2002. Arbuscular mycorrhizal fungi associated with some pteridophytes from western ghat region of Goa. *Tropical Ecology* 43: 251-256. [*Adiantum lunulatum*, *Pityrogramma calomelanos*]
313. Khan, M. J., H. Steingass & W. Drochner. 2002. Evaluation of some aquatic plants from Bangladesh through

- mineral composition, in vitro gas production and in situ degradation measurements. *Asian-Australasian Journal of Animal Sciences* 15: 537-542. [*Azolla pinnata*]
314. Khan, M. L., K. Upadhyaya, L. B. Singha & A. Devi. 2002. A plea for conservation of threatened tree fern (*Cyathea gigantea*). *Current Science (Bangalore)* 82: 375-376.
315. Kholia, B. S. & N. Punetha. 2002. *Diplazium subsinuatum* (Wall. ex Hook. et Grev.) Tag. in central Himalaya. *Phytotaxonomy* 2: 163.
316. Khrapko, O. V. 2002. Pteridoflora of the Russian Far East: Introduction centers of the Russian Far East: research outcomes. Pp. 191-199. In *Proceedings of the First Session of the Russian Far Eastern Botanical Gardens Regional Association of Russia*. Dalnauka, Vladivostok.
317. Khrapko, O. V. 2002. The peculiarities of gametophyte development in two ferns species of the Russian Far East: Introduction Centers of the Russian Far East: Research Outcomes:. Pp. 199-202. In *Proceedings of the First Session of the Russian Far Eastern Botanical Gardens Regional Association of Russia*. Dalnauka, Vladivostok.
318. Khullar, S. P. 2001. Diversity of the fern wealth of the west Himalaya. Pp. 153-176. In P. C. Pande & S. S. Samant (Eds.). *Plant Diversity of the Himalaya*. Gyanodaya Prakashan, Nainital.
319. Kieling-Rubio, M. A. & P. G. Windisch. 2002. The genus *Dennstaedtia* Moore (Dennstaedtiaceae, Pteridophyta) in the State of Rio Grande do Sul, Brazil. *Pesquisas Botanica* 52: 185-194. [Portuguese]
320. Killingbeck, K. T., S. L. Hammen-Winn, P. G. Vecchio & M. E. Goguen. 2002. Nutrient resorption efficiency and proficiency in fronds and trophopods of a winter-deciduous fern, *Dennstaedtia punctilobula*. *International Journal of Plant Sciences* 163: 99-105.
321. Kingston, N. & S. Waldren. 2002. A conservation assessment of the pteridophyte flora of the Pitcairn Islands. *Fern Gazette* 16: 404-410.
322. Kizlinski, M. L., D. A. Orwig, R. C. Cobb & D. R. Foster. 2002. Direct and indirect ecosystem consequences of an invasive pest on forests dominated by eastern hemlock. *Journal of Biogeography* 29: 1489-1503. [*Dennstaedtia punctilobula*]
323. Klaveness, D. 2002. *Azolla*: A water plant astray. *Blyttia* 60: 156-159. [Norwegian]
324. Klavins, S. D., T. N. Taylor & E. L. Taylor. 2002. Earliest record of matoniaceous ferns from the Middle Triassic of Antarctica. In *Botany 2002: Botany in the Curriculum, 4-7 August*. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
325. Klink, V. P. & S. M. Wolniak. 2002. Control of proliferation and differentiation in *Marsilea*. *Molecular Biology of the Cell* 13: 383a. [Abstract]
326. Knepper, D. A., D. M. Johnson & L. J. Musselman. 2002. *Marsilea mutica* in Virginia. *American Fern Journal* 92: 243-244.
327. Knihinicki, D. K. & J. Boczek. 2002. New eriophyoid mites (Acari: Eriophyoidea) from Australia. *International Journal of Acarology* 28: 241-249. [*Lygodium microphyllum*, *L. reticulatum*]
328. Koellensperger, G., J. Nurmi, S. Hann, G. Stinger, W. J. Fitz & W. W. Wenzel. 2002. CE-ICP-SFMS and HPIC-ICP-SFMS for arsenic speciation in soil solution and soil water extracts. *Journal of Analytical Atomic Spectrometry* 17: 1042-1047 (<http://www.rsc.org/jaas>). [*Pteris vittata*]
329. Korall, P. & P. Kenrick. 2002. Phylogenetic relationships in Selaginellaceae based on *rbcL* sequences. *American Journal of Botany* 89: 506-517 (<http://www.amjbot.org>).

330. Kotyk, M. E., J. F. Basinger, P. G. Gensel & T. A. De Freitas. 2002. Morphologically complex plant macrofossils from the Late Silurian of Arctic Canada. *American Journal of Botany* 89: 1004-1013 (<http://www.amjbot.org>).
331. Kozanecka, T., J. Chojnicki & W. Kwasowski. 2002. Content of heavy metals in plant from pollution-free regions. *Polish Journal of Environmental Studies* 11: 395-399 (<http://www.pan.olsztyn.pl/pjoes/>). [*Dryopteris filix-mas*]
332. Kozhevnikova, A. D. & V. R. Filin. 2002. Distribution and local abundance of *Botrychium virginianum* (L.) Sw. (Ophioglossaceae) in European Russia. *Byulleten' Moskovskogo Obshchestva Ispytatelei Prirody Otdel Biologicheskii* 107: 48-54.
333. Kozłowski, G. 2002. Nos fougères/ Unsere Farne (Ferns of Western Switzerland, distribution and threats). Natural Museum of Fribourg, Fribourg, Switzerland. 162 pp. [French and German]
334. Kozłowski, G., U. Landergott, R. Holderegger & J. J. Schneller. 2002. The importance of recent population history for understanding genetic diversity in natural populations of endangered *Dryopteris cristata*. *Fern Gazette* 16: 465. [Abstract]
335. Krachler, M., K. Falk & H. Emons. 2002. HPLC-HG-AAS and HPLC-ICP-MS for speciation of arsenic and antimony in biomonitoring. *American Laboratory (Shelton)* 34: 10; 12; 14 (<http://www.iscpubs.com/pubs/al/index.shtml>).
336. Kravchenko, A. V. 2002. New data on the flora of Islands Solovetskie (Arkhangelsk Province). *Byulleten' Moskovskogo Obshchestva Ispytatelei Prirody Otdel Biologicheskii* 107: 59-61. [*Lycopodiella inundata*]
337. Kravchenko, I. K. 2002. Methane oxidation in boreal peat soils treated with various nitrogen compounds. *Plant & Soil* 242: 157-162 (<http://www.kluweronline.com/issn/0032-079X>). [*Equisetum fluviatile*]
338. Krings, M., T. N. Taylor & D. W. Kellogg. 2002. Touch-sensitive glandular trichomes: A mode of defence against herbivorous arthropods in the Carboniferous. *Evolutionary Ecology Research* 4: 779-786 (<http://www.evolutionary-ecology.com/>). [*Blanziopteris praedentata*]
339. Kucherov, I. B., Z. G. Uille, A. G. Bezdodov & A. N. Sennikov. 2002. Floristic findings in the upper reaches of Pechora River (Pechora-Ilych Reserve). *Botanicheskii Zhurnal (St. Petersburg)* 87: 98-112. [*Athyrium sinense*]
340. Kuijpers, A. F. A. & A. Aptroot. 2002. A revision of *Mycosphaerella* section *Longispora* (Ascomycetes). *Nova Hedwigia* 75: 451-468. [*Pteridium*]
341. Kulshreshtha, S. N., J. T. Romo & H. Peng. 2002. Economic analysis of mechanically disturbing rangeland to reduce clubmoss in Saskatchewan. *Canadian Journal of Plant Science* 82: 739-746. [*Selaginella densa*]
342. Kuo, C. M. 2002. Nomenclature changes for some pteridophytes of Taiwan. *Taiwania* 47: 170-174.
343. Kurup, K. M., K. P. Rajesh & P. V. Madhusoodanan. 2001(2002). *Adiantum tenerum* Sw. (Adiantaceae, Pteridophyta), a little known maidenhair fern from South India. *Journal of Economic & Taxonomic Botany* 25: 716-718.
344. Kvacek, Z. 2002. (1568) Proposal to conserve the name *Doliosporobolus* Marion (1888) (fossil Pinopsida) against *Doliosporobolus* Marion (1884) (fossil Lycopsida). *Taxon* 51: 820-821.
345. Labandeira, C. C. & T. L. Phillips. 2002. Stem borings and petiole galls from Pennsylvanian tree ferns of Illinois, USA: Implications for the origin of the borer and galler functional-feeding-groups and holometabolous insects. *Palaeontographica Abteilung a Palaeozoologie-Stratigraphie* 264: 1-84.
346. Laktionov, A. P. 2002. New floristic records from Astrakhan' region and NW Kazakhstan. *Byulleten' Moskovskogo Obshchestva Ispytatelei Prirody Otdel Biologicheskii* 107: 60-61. [*Cystopteris fragilis*]

347. Lal, C., J. C. Ghildiyal & D. K. Maheshwari. 2002. Survey of aquatic vegetation in and around Delhi. *Journal of Economic & Taxonomic Botany* 26: 547-549. [*Salvinia molesta*]
348. Lamont, E. E. & S. M. Young. 2002. Noteworthy plants reported from the Torrey Range-2001. *Journal of the Torrey Botanical Society* 129: 363-371. [*Schizaea pusilla*]
349. Lansdown, R. V. & T. J. Pankhurst. 2002. Ecological profiles to set targets for plant conservation. *Fern Gazette* 16: 437.
350. Laursen, G. A., H. H. Burdsall & R. D. Seppelt. 2002. Resupinate fungi (Basidiomycetes, Aphyllophorales) of Macquarie Island, Australia. *Hikobia* 13: 745-750. [*Polystichum vestitum*]
351. Lawesson, J. E. & P. Wind. 2002. Oak dune forests in Denmark and their ecology. *Forest Ecology & Management* 164: 1-14 (<http://www.elsevier.com/locate/foreco>). [*Dryopteris dilatata*]
352. LeBlond, R. J. & A. S. Weakley. 2002. *Schizaea pusilla* in North Carolina. *Rhodora* 104: 86-91.
353. Lechno-Yossef, S. 2002. Identification and characterization of bacteria associated with the water fern *Azolla* sp. Rensselaer Polytechnic Institute, Troy, New York. 132 pp. [Dissertation]
354. Lee, I., C. Young, M. H. Jung, H. W. Lee & J. Y. Yang. 2002. Synthesis of huperzine intermediates via Mn(III)-mediated radical cyclization. *Tetrahedron Letters* 43: 2407-2409 (<http://www.elsevier.nl/inca/publications/store/2/3/3/>). [*Huperzia serrata*]
355. Lee, J. K., A. H. Eom & S. S. Lee. 2002. Multiple symbiotic associations found in the roots of *Botrychium ternatum*. *Mycobiology* 30: 146-153.
356. Lee, S. 2002. New record of *Macromyzus woodwardiae* (Sternorhyncha, Aphididae) on *Cyrtomium falcatum* from Korea. *Korean Journal of Systematic Zoology* 18: 127-133.
357. Lee, T. W., K. L. Chau & S. H. Wu. 2002. New records and clarification of some names of pteridophyta in Hong Kong (II). *Journal of Tropical & Subtropical Botany* 10: 39-45.
358. Lee, T. W., K. L. Chau & S. H. Wu. 2002. New records and clarification of some names of Pteridophyta in Hong Kong (III). *Journal of Tropical & Subtropical Botany* 10: 133-138. [*Lomagramma matthewii*, *Pleocnemia conjugata*, *P. hamata*, *P. kwangsiensis*, *P. winitii*]
359. Lehmann, A., J. R. Leathwick & J. M. Overton. 2002. Assessing New Zealand fern diversity from spatial predictions of species assemblages. *Biodiversity & Conservation* 11: 2217-2238.
360. Lehmann, A., J. M. Overton & J. R. Leathwick. 2002. GRASP: Generalized regression analysis and spatial prediction. *Ecological Modelling* 157: 189-207. [*Cyathea dealbata*]
361. Leitch, I. J. & M. D. Bennett. 2002. New insights into patterns of nuclear genome size evolution in plants. *Current Genomics* 3: 551-562. [*Lycopodium*, *Selaginella*]
362. Lellinger, D. B. 2002. Bibliography of Warren Herbert Wagner. *Amer. Fern J.* 92: 50-64.
363. Lellinger, D. B. 2002. Additions to the fern flora of Saba, Netherlands Antilles. *American Fern Journal* 92: 93-96.
364. Lellinger, D. B. 2002. A modern multilingual glossary for taxonomic pteridology. *Pteridologia* 3: 1-263.
365. Leon, B. 2002. Los helechos y lost ambientes xericos. *Quepo* 16: 84-87. [Spanish]
366. Leon, B. & H. Beltran. 2002. A new *Microgramma* subgenus *Solanopteris* (Polypodiaceae) from Peru and a new combination in the subgenus. *Novon* 12: 481-485.

367. Leyval, C., E. J. Joner, C. del Val & K. Haselwandter. 2002. Potential of arbuscular mycorrhizal fungi for bioremediation. Pp. 175-186. In S. Gianinazzi, H. Schuepp, J. M. Barea & K. Haselwandter (Eds.). *Mycorrhizal technology in agriculture: From genes to bioproducts*. Birkhaeuser, Boston. [*Pteridium aquilinum*]
368. Li, W. & H. Ma. 2002. Gametophyte development. *Current Biology* 12: R718-R721.
369. Li, X. G., S. F. Wu & G. Y. Song. 2002. New records for Hunan Province pteridophyte floras. *Bull. Bot. Res. (China)* 22: 133-135.
370. Li, Y., C. P. Darley, V. Ongaro, A. Fleming, O. Schipper, S. L. Baldauf & S. J. McQueen-Mason. 2002. Plant expansins are a complex multigene family with an ancient evolutionary origin. *Plant Physiology (Rockville)* 128: 854-864 (<http://www.plantphysiol.org/>). [*Marsilea quadrifolia*, *Regnellidium diphyllum*]
371. Liberato, M. C. 2002. Contribution to the knowledge of the vascular flora existing in Macau-I. *Garcia de Orta Serie de Botanica* 16: 81-92. [Portuguese]
372. Lin, C. Y., J. S. Sun, S. Y. Sheu, F. H. Lin, Y. J. Wang & L. T. Chen. 2002. The effect of Chinese medicine on bone cell activities. *American Journal of Chinese Medicine* 30: 271-285. [*Drynaria fortunei*]
373. Lin, S. J., M. Kato & K. Iwatsuki. 2002. Morphological and cytological variations of Japanese *Dryopteris varia* group (Dryopteridaceae). Pp. 217-231. In S. Chandra & M. Srivastava (Eds.). *Pteridology in the New Millennium*. Kluwer Academic Publishers, Dordrecht.
374. Lin, S. J., H. R. Zhuang, K. Iwatsuki & H. S. Lu. 2002. Cytotaxonomic study of ferns from China II. Species of Fujian. *Journal of Japanese Botany* 77: 129-138. [Japanese]
375. Lindsay, S. 2002. Conservation of ferns on Mauritius: A small island with big problems. *Fern Gazette* 16: 470.
376. Liu, B. D., X. N. Wang & H. Gao. 2002. An investigation of the spore maturation period of pteridophytes in Heilongjiang province of China. *Bull. of Bot. Res.* 22(4): 422-427. [Chinese]
377. Liu, X., Y. Wang, Q. F. Wang & Y. H. Guo. 2002. Chromosome numbers of the Chinese Isoetes and their taxonomical significance. *Acta Phytotax. Sin.* 40: 351-356.
378. Logan, B. A. & A. Uesugi. 2002. Seasonal changes in the response of photosynthesis and energy dissipation to lightflecks in *Mitchella repens* and *Dryopteris intermedia*. p. 147 (<http://www.aspb.org/meetings/>). In *Plant Biology*. American Society of Plant Biologists, New York.
379. Lombi, E., F. J. Zhao, M. Fuhrmann, L. Q. Ma & S. P. McGrath. 2002. Arsenic distribution and speciation in the fronds of the hyperaccumulator *Pteris vittata*. *New Phytologist* 156: 195-203.
380. Lopez-smith, R. & K. S. Renzaglia. 2002. Comparisons between pre-released and swimming sperm cells of *Lygodium japonicum*. In *Botany 2002: Botany in the Curriculum, 4-7 August*. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
381. Lorscheitter, M. L., A. R. Ashraf, P. G. Windisch & V. Mosbrugger. 2002. Pteridophyte spores of Rio Grande do Sul flora, Brazil. Part IV. *Palaeontographica Abteilung B Palaeophytologie* 263: 1-159.
382. Lowe, C. & M. Baumflek. 2002. Natural history, fern facts, and fern biology 101. *New England Wild Flower* 6: 4-7.
383. Lu, S. G. & T. Y. A. Yang. 2002. Pteridophytes on Lanyu: Orchid Island. *Collection & Research (Taichung)* 15: 63-76.
384. Luan, X., H. Wang & Y. Y. Wen. 2002. Studies on the chemical constituents of *Woodwardia japonica*. *Journal of*

Tropical & Subtropical Botany 10: 361-365.

385. Lubienski, M. 2002. Supplements to the distribution of *Polypodium* taxa (Polypodiaceae, Pteridophyta), in North Rhine-Westphalia, especially in the mountains of southern Westphalia. *Floristische Rundbriefe* 35: 19-26. [German]
386. Lucas, M. J. 2002. Rustyback fern, *Ceterach officinarum* Willd., in Huddersfield. *Bull. York. Nat. Union* 38: 25.
387. Luebke, N. T., W. C. Taylor & M. A. Polasek. 2002. An octoploid species of *Isoetes* from Tennessee. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
388. Lugo, D., Y. Cai, M. J. Lynn, K. Downum & P. Blackwelder. 2002. Arsenic localization and distribution in Brake fern using laser ablation-ICP/MS and environmental SEM. Abstracts of Papers American Chemical Society 223: ANYL 17. [Abstract; *Pteris vittata*]
389. Lusby, P., S. Lindsay & A. F. Dyer. 2002. Principles, practice and problems of conserving the rare British fern *Woodsia ilvensis* (L.) R. Br. *Fern Gazette* 16: 350-355.
390. Maejima, K., E. Uheda, S. Kitoh & N. Shiomi. 2002. Differences in growth rate, nitrogen fixation and numbers of cyanobionts and heterocysts among three *Azolla pinnata* var. *pinnata* strains. *Environmental & Experimental Botany* 47: 143-147 (<http://www.elsevier.com/locate/envexpbot>).
391. Maejima, K., E. Uheda, N. Shiomi & S. Kitoh. 2002. Relationship between nitrogen fixation and numbers of cyanobionts and heterocysts in fifteen *Azolla* strains. *Soil Science & Plant Nutrition* 48: 447-449.
392. Malmivaara, M., I. Lofstrom & I. Vanha-Majamaa. 2002. Anthropogenic effects on understory vegetation in *Myrtillus* type urban forests in southern Finland. *Silva Fennica* 36: 367-381. [*Pteridium aquilinum*]
393. Manju, K. G. & K. Dhevendaran. 2002. Influence of *Azolla* spp. incorporated feeds on the growth, conversion efficiency and gut flora of *Oreochromis mossambicus* (Peters). *Journal of Aquaculture in the Tropics* 17: 221-230.
394. Mapongmetsem, P. M. 2002. The colonizing flora of *Canarium schweinfurthii* in the grassfields of Cameroon. *Phytoparasitica* 30: 119-127 (<http://www.phytoparasitica.org>). [Davalliaceae, *Microsorium punctatum*]
395. Marrs, R. H. 2002. Manipulating the chemical environment of the soil. Pp. 155-183. In M. R. Perrow & A. J. Davy (Eds.). *Handbook of ecological restoration. Principles of restoration (Volume 1); Restoration in practice (Volume 2)*. Cambridge University Press, Cambridge. [*Pteridium aquilinum*]
396. Martinez, M. & J. Etienne. 2002. Two remarkable new species of Agromyzidae from French Antilles (Diptera). *Revue Francaise D'Entomologie* 24: 143-150. [French; *Cyathea arborea*, *C. grandifolia*]
397. Masuyama, S., Y. Yatabe, N. Murakami & Y. Watano. 2002. Cryptic species in the fern *Ceratopteris thalictroides* (L.) Brongn. (Parkeriaceae). I. Molecular analyses and crossing tests. *Journal of Plant Research* 115: 87-97.
398. Matsuda, H., M. Yamazaki, S. Naruto, Y. Asanuma & M. Kubo. 2002. Anti-androgenic and hair growth promoting activities of *Lygodii Spora* (spore of *Lygodium japonicum*) I. Active constituents inhibiting testosterone 5 $\alpha$ -reductase. *Biological & Pharmaceutical Bulletin* 25: 622-626.
399. Matsumoto, S., T. Iwashina, K. Sugimura & N. Tanaka. 2002. A list of pteridophyte herbarium specimens (without Hymnophyllaceae) from Vanuatu. *Ann. Tsukuba Bot. Gard.* 21: 37-60.
400. Mattiasson, G. 2002. Vascular plants in Natura 2000 in the province of Scania (Skane), Sweden. *Botaniska Notiser* 135: 1-36. [Swedish; *Botrychium simplex*]
401. Mattrick, C. 2002. Fern conservation in New England. *New England Wild Flower* 6: 31-35.

402. Mauro, J. B. N., J. R. D. Guimaraes, H. Hintelmann, C. J. Watras, E. A. Haack & S. A. Coelho-Souza. 2002. Mercury methylation in macrophytes, periphyton, and water: Comparative studies with stable and radio-mercury additions. *Analytical & Bioanalytical Chemistry* 374: 983-989. [*Ceratophyllum demersum*, *Salvinia rotundifolia*]
403. Mautino, L. R. & L. M. Anzotegui. 2002. Palynology of the Chiquimil Formation (Upper Miocene), at Rio Vallecito, Catamarca province, Argentina. Part 2. Pollen. *Ameghiniana* 39: 257-270. [Spanish]
404. Maya, S. 2002. A study on the nutritional composition of selected freshwater plants of Kerala (India). *Journal of Economic & Taxonomic Botany* 26: 562-565. [*Ceratopteris thalictroides*, *Salvinia molesta*]
405. Maya, S., V. S. Menon & G. S. Nair. 2002. Economic importance of river vegetation of Kerala: A case study. *Journal of Economic & Taxonomic Botany* 26: 649-656.
406. McCabe, T. L., W. D. Patterson & J. DeBenedictis. 2002. *Pseudobryomima fallax* (Hampson) and *P. muscosa* (Hampson) (Lepidoptera: Noctuidae) leaf-mining noctuids on ferns. *Proceedings of the Entomological Society of Washington* 104: 505-509. [*Pellaea andromedifolia*, *Polypodium californicum*]
407. McClain, W. E. & J. E. Ebinger. 2002. A comparison of the vegetation of three limestone glades in Calhoun County, Illinois. *Southeastern Naturalist* 1: 179-188 (<http://maine.maine.edu/~eaglhill/JSGENINF.html>).
408. McDonald, T., K. Wale & V. Bear. 2002. Restoring Blue Gum High Forest: Lessons from Sheldon Forest. *Ecological Management & Restoration* 3: 15-27.
409. McGill, D. W. & B. B. Brenneman. 2002. Six-year development of regenerating natural hardwood stands with herbaceous weed control. *Northern Journal of Applied Forestry* 19: 14-21.
410. McHaffie, H., C. Legg & C. Sydes. 2002. A morphometric analysis of Scottish *Athyrium distentifolium*: A contribution to the BAP. *Botanical Journal of Scotland* 54: 111-119.
411. McManus, H. A., L. Boucher, E. L. Taylor & T. N. Taylor. 2002. *Hapsidoxylon terpsichorum* gen. et sp. nov., a stem with unusual anatomy from the Triassic of Antarctica. *American Journal of Botany* 89: 1958-1966.
412. McManus, H. A., E. L. Taylor, T. N. Taylor & J. W. Collinson. 2002. A petrified *Glossopteris* flora from Collinson Ridge, central Transantarctic Mountains: Late Permian or Early Triassic- Review of *Palaeobotany & Palynology* 120: 233-246 (<http://www.elsevier.com/locate/revpalbo>).
413. Meharg, A. A. 2002. Arsenic and old plants. *New Phytologist* 156: 1-4.
414. Meharg, A. A. & J. Hartley-Whitaker. 2002. Arsenic uptake and metabolism in arsenic resistant and nonresistant plant species. *New Phytologist* 154: 29-43 (<http://www.blackwell-science.com/nph>).
415. Mehltreter, K. 2002. The study of phenology of tropical ferns. *Fiddlehead Forum* 29: 44-45.
416. Mehltreter, K. 2002. *Lygodium* und ander Kletterfarne. *Palmengarten* 66: 20-23. [German]
417. Mehltreter, K. 2002. Tropische und subtropische Farnpflanzen arider Standorte. *Palmengarten* 66: 114-118. [German]
418. Mehltreter, K. & M. Palacios-Rios. 2002. The Flora Pteridologica Latinoamericana database and its use for assessing pteridophyte diversity and biogeography. *Fern Gazette* 16: 398-403.
419. Mehltreter, K., P. Rojas & M. Palacios-rios. 2002. Herbivory and ant-colonization of the mangrove fern *Acrostichum danaeifolium*. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
420. Mehltreter, K. & J. Tolome. 2002. Herbivory on three tropical fern species of a Mexican cloud forest. Pp. 375-381.



In S. Chandra & M. Srivastava (Eds.). Pteridology in the new millenium. Kluwer Academic Publishers, Dordrecht.

421. Melo, L. C. N. & A. Salino. 2002. Pteridophyta of two forest areas of the Rio Doce basin in Minas Gerais state, Brazil. *Lundiana* 3: 129-139. [Portuguese]
422. Mendoza, A., B. Perez-Garcia & R. Riba. 2002. Comparative research of gametophytes of *Olfersia alata* and *O. cervina* (Dryopteridaceae). *American Fern Journal* 92: 229-238.
423. Menegaux, J. & N. [Ilbert. 2002. Observations of Orthoptera on the Ger plateau (Hautes-Pyrenees, France) (Orthopteroidea, Orthoptera). *Entomologiste (Paris)* 58: 243-247. [French; *Pteridium aquilinum*]
424. Mengascini, A. M. 2002. Caracteres diagnosticos y taxonomia de 5 especies del genero *Archangiopteris* C. Chr. & Giesenh. (Marattiaceae). *Revista del Museo de La Plata, Bot.* 15: 1-22. [Spanish]
425. Merryweather, J. 2002. British male ferns. *Pteridologist* 4: 12-15. [*Dryopteris*]
426. Meter, E. B., T. J. Edwards, M. A. Rennie & J. E. Granger. 2002. A checklist of the plants of Mahwaqa Mountain, KwaZulu-Natal. *Bothalia* 32: 101-115.
427. Metzgar, J. S. & J. J. Doyle. 2002. The Appalachian *Asplenium* complex revisited . . . again. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
428. Michalska-Hejduk, D. & D. Kopec. 2002. *Lemno minoris-Salvinietum natantis* and *Hydrocharitetum morsus-ranae* with *Salvinia natans* in old river-beds of the river San (Poland) and proposals of their protection. *Fragmenta Floristica et Geobotanica Series Polonica* 9: 319-328. [Polish]
429. Miettinen, J., E. Gronlund, H. Simola & P. Huttunen. 2002. Palaeolimnology of Lake Pieni-Kuuppalanlampi (Kurkijoki, Karelian Republic, Russia): Isolation history, lake ecosystem development and long-term agricultural impact. *Journal of Paleolimnology* 27: 29-44 (<http://www.kluweronline.com/issn/0921-2728>). [Isoetes]
430. Mihail, J. D., J. N. Bruhn, T. R. Meyer & F. W. Bell. 2002. Pine needle rust effect on *Pinus banksiana* in response to interspecific plant competition and telial host density. *Canadian Journal of Forest Research* 32: 1372-1380. [*Pteridium aquilinum*]
431. Min, L., Z. Chi, G. Zhu, P. Yao & P. Niu. 2002. Analysis of the palaeoenvironment of Quaternary stromatolites at Dongmulian, Yangyuan County of Hebei Province. *Dizhi Xuebao* 76: 446-453.
432. Mishra, R. C., P. C. Panda & P. Das. 2001(2002). A taxonomic study of the ferns and fern allies of Gandhamardan hills, Orissa. *Journal of Economic & Taxonomic Botany* 25: 577-590.
433. Mitchell, N. J. 2002. Nest-site selection in a terrestrially breeding frog with protracted development. *Australian Journal of Zoology* 50: 225-235. [*Lycopodiella diffusa*, *Lycopodium scariosum*]
434. Mittal, M., R. Sharma & M. S. Paul. 2002. Antifungal properties of some fern from north-west Himalayas. *Geobios (Jodhpur)* 29: 244-246.
435. Mondal, A. K. & S. Mondal (Nee Parui). 2002. Biochemical studies on the effects of physiological stress on the sporocarps of *Marsilea minuta* Linn. *Phytomorphology* 52: 129-136.
436. Moon, M. O., C. S. Kim, Y. J. Kang, C. H. Kim & B. Y. Sun. 2002. Unrecorded fern species from Korean flora: *Thelypteris interrupta* (Thelypteridaceae) and *Dryopteris subexaltata* (Dryopteridaceae). *Korean J. Pl. Taxon.* 32: 481-489.
437. Moore, S. J., T. H. Hsieh, Y. M. Huang & W. L. Chiou. 2002. *Diplazium maonense* Ching, a poorly known species of the Athyriaceae (Pteridophyta) in Taiwan. *Taiwan Journal of Forest Science* 17: 113-118.

438. Moran, R. C. 2002. Pteridophytes and gymnosperms in R. P. Wunderlin and B. F. Hansen (eds) *Flora of Florida*, volume 1. *Brittonia* 54: 57-60.
439. Moran, R. C. 2002. Tropical diversity. *Fiddlehead Forum* 29: 14-15.
440. Moran, R. C., S. Klimas & M. Carlsen. 2002. Comparison of epiphytic ferns on tree ferns versus angiosperm trunks in Costa. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
441. Moran, R. C. & J. E. Abstract; Jr. 2002. The occurrence and morphology of *Adiantum xvariopinnatum* (Pteridaceae). *Brittonia* 54: 57-60.
442. Morbelli, M. A., J. R. Rowley & D. Claugher. 2001. Spore wall structure in *Selaginella* (Lycophyta) species growing in Argentina. *Boletín de la Sociedad Argentina de Botánica* 36: 315-368.
443. Moreira, I., E. S. Martins, M. A. Diniz & M. C. Duarte. 2002. The weed flora of Bolanha cultures in Guinea Bissau. Pp. 1-144. In I. Moreira, E. S. Martins, M. A. Diniz & M. C. Duarte (Eds.). *Flora infestante das culturas da Bolanha da Guine-Bissau*. Instituto de Investigacao Cientifica Tropical, Rua da Junqueira, Lisbon. [Portuguese; *Marsilea minuta*]
444. Morel, E. M. & L. Povilauskas. 2002. Addenda to the Triassic flora of the Potrerillos formation at Cacheuta hill, Mendoza province, Argentina. *Ameghiniana* 39: 501-503. [Spanish]
445. Morita, H. & J. Kobayashi. 2002. A biomimetic transformation of serratinine into serratezomine A through a modified Polonovski reaction. *Journal of Organic Chemistry* 67: 5378-5381 (<http://pubs.acs.org/joc>). [*Lycopodium serratum* var. *serratum*]
446. Morrow, A. C. & R. R. Dute. 2002. Crystals associated with the intertracheid pit membrane of the woody fern *Botrychium multifidum*. *American Fern Journal* 92: 10-19.
447. Mound, L. A. 2002. *Octothrips lygodii* sp. n. (Thysanoptera: Thripidae) damaging weedy *Lygodium* ferns in south-eastern Asia, with notes on other Thripidae reported from ferns. *Australian Journal of Entomology* 41: 216-220 (<http://www.blackwell-science.com/~cgilib/jnlpage.asp-Journal=aen&File=aen>). [*Lygodium microphyllum*]
448. Muenster, T., W. Faigl, H. Saedler & G. Theissen. 2002. Evolutionary aspects of MADS-box genes in the eusporangiate fern *Ophioglossum*. *Plant Biology (Stuttgart)* 4: 474-483.
449. Mukhopadhyay, R. 2002. Morpho-anatomical observations on some Indian members of *Selaginella* P. Beauv. Pp. 234-247. In P. C. Trivedi (Ed.). *Advances in Pteridology*. Pointer Publishers, Jaipur, India.
450. Muller, S. 2002. Diversity of management practices required to ensure conservation of rare and locally threatened plant species in grasslands: A case study at a regional scale (Lorraine, France). *Biodiversity & Conservation* 11: 1173-1184 (<http://www.kluweronline.com/issn/0960-3115>). [*Botrychium matricariifolium*, *Ophioglossum vulgatum*]
451. Musselman, L. J. 2002. The only quillwort (*Isoetes olympica* A. Braun) in Syria is threatened with extirpation. *Fern Gazette* 16: 324-329.
452. Musselman, L. J. 2002(2003). Ornamentation of *Isoetes* (Isoetaceae, Lycophyta) microspores. *Botanical Review* 68: 474-487.
453. Musselman, L. J. & J. P. Roux. 2002. *Isoetes toximontana* (Isoetaceae), a new quillwort with green megaspores from the Northern Cape of South Africa. *Novon* 12: 504-507.
454. Mynssen, C. M., L. S. Sylvestre & R. H. P. Andreata. 2002. Pteridophytes of the hillside bushes of the Rio de

Janerio Botanical Gardens. *Pesquisas Botanica* 52: 47-87.

455. Mynssen, C. M. & P. G. Windisch. 2002. *Cheilanthes incisa* Kunze ex Mett, a rare species from the Atlantic rain forest of Rio de Janeiro State, Brazil. *Bradea* 8: 335-336. [Portuguese]
456. Nagalingum, N. S., A. N. Drinnan, R. Lupia & S. McLoughlin. 2002. Fern spore diversity and abundance in Australia during the Cretaceous. *Review of Palaeobotany & Palynology* 119: 69-92 (<http://www.elsevier.com/locate/revpalbo>).
457. Nakaike, T. 2002. Index to distribution maps of pteridophytes in Asia. 2nd ed. *J. Nippon Fernist Club* 3(suppl.1): 1-151.
458. Nakaike, T. & A. Yamamoto. 2002. Enumeration of the latin names of pteridophytes published by Dr. Gen'ichi Koidzumi. *J. Phytogeogr. Taxon.* 50: 63-68.
459. Nakane, T., Y. Maeda, H. Ebihara, Y. Arai, K. Masuda, A. Takano, H. Ageta, K. Shiojima, S. Q. Cai & O. B. Abdel-Halim. 2002. Fern constituents: Triterpenoids from *Adiantum capillus-veneris*. *Chemical & Pharmaceutical Bulletin (Tokyo)* 50: 1273-1275 (<http://cpb.pharm.or.jp/>; <http://cpb.pharm.or.jp>).
460. Nakato, N. 2002. Chromosome numbers of *Thelypteris torresiana* (Gaudich.) Alston and *T. viridifrons* Tagawa (Thelypteridaceae). *Journal of Japanese Botany* 77: 143-149.
461. Nakato, N. & M. Kato. 2002. Intraspecific polyploids and hybridization of *Plagiogyria adnata* and *P. yakushimensis* (Plagiogyriaceae). *Apg Acta Phytotaxonomica et Geobotanica* 53: 153-160.
462. Nakato, N., N. Sahashi & M. Kato. 2002. Cytotaxonomic studies of *Thelypteris angustifrons* complex (Thelypteridaceae). *Acta Phytotaxonomica et Geobotanica* 53: 63-76.
463. Nath, A. & M. K. Bhattacharya. 2002. Some new records and little known species of pteridophytes from Barak Valley, Assam, India. *Indian Fern Journal* 19: 97-106. [*Asplenium falcatum*, *A. pellucidum*, *Egenolfia sinensis*, *E. vivipara*, *Lygodium polystachyum*, *Vandenboschia auriculata*]
464. Naugolnykh, S. V. 2002. A new species of *Todites* (Pteridophyta) with in situ spores from the Upper Permian of Pechora Cis-Urals (Russia). *Acta Palaeontologica Polonica* 47: 469-478 ([http://www.paleo.pan.pl/acta/app\\_info.htm](http://www.paleo.pan.pl/acta/app_info.htm)).
465. Naugolnykh, S. V. 2002. *Paracalamitina striata*: A newly reconstructed equisetophyte from the Permian of Angaraland. *Journal of Paleontology* 76: 377-385.
466. Notov, A. A., N. V. Shubinskaya, D. M. Pletnyov & U. N. Spirina. 2002. New floristic records from Tver' province. *Byulleten' Moskovskogo Obshchestva Ispytatelei Prirody Otdel Biologicheskii* 107: 45-47. [*Cystopteris sudetica*]
467. Novelino, R. d. F. 2002. New species of the fern genus *Elaphoglossum* Schott ex J. Smith (Pteridophyta) from Brazil. *Bradea* 8: 277-284.
468. Nowak, J., S. Sroka & B. Matysiak. 2002. Effects of light level, CO<sub>2</sub> enrichment, and concentration of nutrient solution on growth, leaf nutrient content, and chlorophyll fluorescence of Boston fern microcuttings. *Journal of Plant Nutrition* 25: 2161-2171 (<http://www.dekker.com/servlet/product/productid/PLN>). [*Nephrolepis exaltata*]
469. Nugent, G., J. Whitford, J. Innes & K. Prime. 2002. Rapid recovery of kohekohe (*Dysoxylum spectabile*) following possum control. *New Zealand Journal of Ecology* 26: 73-79. [*Cyathea medullaris*]
470. Nwosu, M. O. 2002. Ethnobotanical studies on some pteridophytes of southern Nigeria. *Economic Botany* 56: 255-259.
471. Nyakale, M. & L. Scott. 2002. Interpretation of late Holocene pollen in channel fills in the eastern Free State,

- South Africa, in terms of local conditions and sediment reworking. *South African Journal of Botany* 68: 464-468.
472. Obermayer, R., I. J. Leitch, L. Hanson & M. D. Bennett. 2002. Nuclear DNA C-values in 30 species double the familial representation in pteridophytes. *Annals of Botany (London)* 90: 209-217 (<http://www.academicpress.com/aob>).
473. Odland, A. & R. del Moral. 2002. Thirteen years of wetland vegetation succession following a permanent drawdown, Myrkdalen Lake, Norway. *Plant Ecology* 162: 185-198 (<http://www.kluweronline.com/issn/1385-0237>). [Equisetum fluviatile]
474. Ogura, H. & T. Nakaike. 2002. Woodsia nikkoensis H. Ogura & Nakaike, a new fern species from Nikko, Central Japan. *Journal of Japanese Botany* 77: 296-298.
475. Ojala, A., P. Kankaala & T. Tulonen. 2002. Growth response of Equisetum fluviatile to elevated CO<sub>2</sub> and temperature. *Environmental & Experimental Botany* 47: 157-171 (<http://www.elsevier.com/locate/envexpbot>).
476. Olguin, E. J., E. Hernandez & I. Ramos. 2002. The effect of both different light conditions and the pH value on the capacity of Salvinia minima Baker for removing cadmium, lead and chromium. *Acta Biotechnologica* 22: 121-131.
477. Olsen, P. E., D. V. Kent, H. D. Sues, C. Koeberl, H. Huber, A. Montanari, E. C. Rainforth, S. J. Fowell, M. J. Szajna & B. W. Hartline. 2002. Ascent of dinosaurs linked to an iridium anomaly at the Triassic-Jurassic boundary. *Science (Washington D C)* 296: 1305-1307 (<http://www.sciencemag.org/content/current/>).
478. Olsen, S. 2002. The best of the west, excerpts from a lecture for the British Pteridological Society at Coventry, July 1999. *Hardy Fern Foundation Quarterly* 12: 94-99.
479. Pabby, A., A. S. Ahluwalia & S. Dua. 2002. Response of Azolla pinnata and A. microphylla to different temperature regimes. *Indian Journal of Plant Physiology* 7: 140-145.
480. Pacheco, L. 2002. Trichomanes ribae (Hymenophyllaceae), a new filmy fern from Costa Rica and Panama. *American Fern Journal* 92: 294-295.
481. Page, C. N. 2002. The role of natural disturbance regimes in pteridophyte conservation management. *Fern Gazette* 16: 284-289.
482. Page, C. N. 2002. Ecological strategies in fern evolution: A neopteridological overview. *Review of Palaeobotany & Palynology* 119: 1-33 (<http://www.elsevier.com/locate/revpalbo>).
483. Pajaron, S., C. Prada, E. Pangua & A. Herrero. 2002. Asplenium majoricum (Litard) on the Spanish mainland: Vanishing or extending- *Fern Gazette* 16: 438. [Abstract]
484. Pajevic, S., M. Vuckovic, Z. Stankovic, B. Krstic, Z. Kevresan & S. Radulovic. 2002. The content of some macronutrients and heavy metals in aquatic macrophytes of three ecosystems connected to the Danube in Yugoslavia. *Algological Studies* 141: 73-83. [Salvinia natans]
485. Pakeman, R. J., R. H. Thwaites, M. G. Le Duc & R. H. Marrs. 2002. The effects of cutting and herbicide treatment on Pteridium aquilinum encroachment. *Applied Vegetation Science* 5: 203-212.
486. Palacios-Rios, M. 2002. The tree ferns of Mexico: Their use and conservation status. *Fern Gazette* 16: 439. [Abstract]
487. Palacios-Rios, M. 2002. Conservation status of the ferns of Veracruz, Mexico. *Fern Gazette* 16: 440. [Abstract]
488. Palacios-Rios, M. & K. Mehlreter. 2002. The endangered pteridophytes of Mexico. *Fern Gazette* 16: 441. [Abstract]

489. Palmer, D. D. 2002. Hawaii's ferns and fern allies. University of Hawaii Press, Honolulu. 325 pp.
490. Palmer, D. D. 2002. Taxonomic notes on Hawaiian pteridophytes. *American Fern Journal* 92: 97-104.
491. Pálsson, J. 2002. *Briza media* L. (Poaceae) a new species in the Icelandic flora. *Naturufraedingurinn* 71: 30-33. [Equisetum palustre]
492. Pande, H. C. & P. C. Pande. 2002. An illustrated fern flora of the Kumaon Himalaya. Volume 2. Bishen Singh Mahendra Pal Singh, Dehra Dun. 267 pp.
493. Pande, P. C. & H. C. Pande. 2002. An updated catalogue of ferns and ferns allies of Garhwal Himalaya. *Indian J. Forest.* 25: 486-498.
494. Papu, O. H. 2002. New Maastrichtian microflora from Calmu-Co, southern Mendoza Province, Argentina. *Ameghiniana* 39: 415-426. [Spanish]
495. Parihar, P. & A. Bohra. 2002. Anticandidal activity of some pteridophytic plant extracts. *A Microbial World* 4: 109-112.
496. Parihar, P. & A. Bohra. 2002. Antifungal efficacy of various pteridophytic plant parts extracts: A study in vitro. *Advances in Plant Sciences* 15: 35-38. [Adiantum lunulatum, Equisetum ramosissimum, Marsilea minuta]
497. Parihar, P. & A. Bohra. 2002. Screening of some ferns for their antimicrobial activity against *Salmonella typhi*. *Advances in Plant Sciences* 15: 365-367.
498. Parihar, P. & A. Bohra. 2002. Antibacterial efficacy of some pteridophytic plant parts: a study in vitro. *Ecobios* 1: 7-9.
499. Parris, B. S. 2002. New species and new combinations in African Grammitidaceae (Filicales). *Kew Bulletin* 57: 423-434. [Lellingeria paucipinnata, L. rupestris and Terpsichore kirkii]
500. Parthasarathy, R., R. Kadirvel & V. Kathaperumal. 2002. Azolla as a partial replacement for fish meal in broiler rations. *Indian Veterinary Journal* 79: 144-146.
501. Patra, B. & S. Bera. 2002. Record of scale insect infestation on *Christella* spp. from West Bengal. *Proceedings of the Zoological Society (Calcutta)* 55: 21-24.
502. Paul, A. M. 2002. The Natural History Museum's botanical collections: A conservation resource; the rare and endangered plants database project. *Fern Gazette* 16: 442-443. [Abstract]
503. Pavlyutkin, B. I. 2002. A new species of the genus *Corylus* (Betulaceae) from the upper Miocene of the southern Primorie Region, Russian Far East. *Paleontologicheskii Zhurnal* 4: 90-96. [Phyllitis]
504. Paz, E. A. & M. J. Bassagoda. 2002. Revision of the Marsileaceae in Uruguay and first record of *Pilularia americana* A. Braun. *Comunicaciones Botánicas de Los Museos Nacionales de Historia Natural y Antropología* 6: 1-8. [Spanish; Marsilea ancylopoda, Regnellidium diphyllum]
505. Peck, J. H. 2002. *Nephrolepis exaltata* (Dryopteridaceae) new to Arkansas. *Sida Contributions to Botany* 20: 833-835.
506. Pena-Chocarro, M., B. Jimenez, G. Marin & S. Knapp. 2002. Fern diversity in the Mbaracayu Forest, Paraguay. *Fern Gazette* 16: 444. [Abstract]
507. Pence, V. C. 2002. Cryopreservation and in vitro methods for ex situ conservation of pteridophytes. *Fern Gazette* 16: 362-368.

508. Perez-Garcia, B., A. Mendoza & R. Riba. 2002. Pteridofitas, Familia Salviniaceae. Pp. 9-17. In Flora de Mexico No. 6. Consejo Nacional de la Flora de Mexico, A. C., Mexico City. [Spanish]
509. Peroni, A., C. Peroni & G. Peroni. 2002. Flora pteridologica della Macaronesia. Part II: Isole Azzorre. Pagine Botaniche 27: 22-40. [Italian]
510. Peroni, A. & G. Peroni. 2002. Riconferma di *Marsilea strigosa* Willd. In Sardegna (Marsileaceae: Pteridophyta). Pagine Botaniche 27: 41-45.
511. Peterson, J., G. Hope, M. Prentice & W. Hantoro. 2002. Mountain environments in New Guinea and the last glacial maximum 'warm seas/cold mountains' enigma in the West Pacific Warm Pool region. Pp. 173-187. In P. Kershaw, B. David, N. J. Tapper, D. Penny & J. Brown (Eds.). Advances in Geoecology. Bridging Wallace's line: The environmental and cultural history and dynamics of the SE-Asian-Australian region. Catena Verlag, Reiskirchen, Germany. [Cyathea]
512. Phillips, A. 2002. Protected areas, and IUCN's World Commission on Protected Areas (WCPA): How can they help in the conservation of ferns- Fern Gazette 16: 278-283.
513. Piekos-Mirkowa, H. & A. Delimat. 2002. Occurrence of *Woodsia alpina* (Athuriaceae) in the Tatra Mts. Polish Botanical Journal 47: 41-44.
514. Pimentel Montanher, A. B., G. Pizzolatti Moacir & I. M. Costa Brighente. 2002. An application of the brine shrimp bioassay for general screening of Brazilian medicinal plants. Acta Farmaceutica Bonaerense 21: 175-178. [Cyathea phalerata]
515. Pineiro, M. R., C. C. Macluf & M. A. Morbelli. 2001. Analisis palinologico de las especies de *Pellaea* Link en Argentina. Polen (Espana) 11: 59-66. [Spanish]
516. Pinter, I., F. Bakker, J. Barrett, C. Cox, M. Gibby, S. Henderson, M. Morgan-Richards, F. Rumsey, S. J. Russell, S. Trewick, H. Schneider & J. C. Vogel. 2002. Phylogenetic and biosystematic relationships in four highly disjunct polyploid complexes in the subgenera *Ceterach* and *Phyllitis* in *Asplenium* (Aspleniaceae). Organisms Diversity & Evolution 2: 299-311.
517. Pitcairn, C. E. R., U. M. Skiba, M. A. Sutton, D. Fowler, R. Munro & V. Kennedy. 2002. Defining the spatial impacts of poultry farm ammonia emissions on species composition of adjacent woodland groundflora using Ellenberg Nitrogen Index, nitrous oxide and nitric oxide emissions and foliar nitrogen as marker variables. Environmental Pollution 119: 9-21 (<http://www.elsevier.com/locate/envpol>). [Dryopteris dilatata]
518. Pokorny, M. L., R. L. Sheley, R. E. Engel & T. J. Svejcar. 2002. Plant functional group diversity as a mechanism for invasion resistance. Ecological Society of America Annual Meeting Abstracts 87: 237. [Abstract]
519. Polhemus, D. 2002. The first record of *Sophonia rufofascia* (Homoptera: Cicadellidae) in Tahiti. Proceedings of the Hawaiian Entomological Society 35: 153. [Dicranopteris linearis]
520. Poluyanov, A. V. 2002. A record of *Polystichum aculeatum* (L.) Roth in the Kursk province. Byulleten' Moskovskogo Obshchestva Ispytatelei Prirody Otdel Biologicheskii 107: 55.
521. Ponce, M., K. Mehlreter & E. R. de la Sota. 2002. Biogeographical analysis of the pteridophyte diversity of continental Argentina and Chile. Revista Chilena de Historia Natural 75: 703-717. [Spanish]
522. Popova, O. A. 2002. New and rare plants for the flora of Chita Region. Botanicheskii Zhurnal (Leningrad) 87: 131-133. [Selaginella borealis]
523. Porter, M. E. & M. J. C. Kearsley. 2002. Near-shore vegetation responses to two flow regimes on the Colorado River in Grand Canyon, National Park. Ecological Society of America Annual Meeting Abstracts 87: 238. [Abstract;

## Equisetum]

524. Prada, C. 2002. Pteridophytes of the Iberian herbaria. *OPTIMA Newsletter* 36: 19-21.
525. Prado, J. 2002. *Adiantum giganteum* (Pteridaceae: Pteridophyta), a new maidenhair fern from Amazonia, Brazil. *Fern Gaz* 16: 209-212.
526. Prado, J. & C. E. de Mattos Bicudo. 2002. Theses as media for effective publication: New data for an old problem. *Taxon* 51: 525-527.
527. Prado, J. & D. B. Lellinger. 2002. *Adiantum argutum*, an unrecognized species of the *A. latifolium* group. *American Fern Journal* 92: 23-29.
528. Prado, J. & A. R. Smith. 2002. Novelties in Pteridaceae from South America. *American Fern Journal* 92: 105-111. [*Adiantum squamulosum*, *Cheilanthes bradei*, *C. venusta*, *Notholaena venusta*, *Pteris boliviensis*, *P. krameri*]
529. Pramanik, R., A. K. Mondal & S. Mondal. 2002. Comparative study of the amino acid composition of four species of *Selaginella* P. de Beauv. *Phytomorphology* 52: 337-345.
530. Pramparo, M. B. & V. Wolfgang. 2002. New palynomorph assemblages from La Amarga Formation, Banados de Caichigue Member, southern Neuquen Basin, Argentina. *Ameghiniana* 39: 395-404. [Spanish]
531. Prasad, B. & B. S. Pundeer. 2002. Palynological events and zones in Cretaceous-Tertiary Boundary sediments of Krishna-Godavari and Cauvery basins, India. *Palaeontographica Abteilung B Palaeophytologie* 262: 39-70.
532. Prasanna, R., V. Kumar, S. Kumar, A. K. Yadav, U. Tripathi, A. K. Singh, M. C. Jain, P. Gupta, P. K. Singh & N. Sethunathan. 2002. Methane production in rice soil is inhibited by cyanobacteria. *Microbiological Research* 157: 1-6. [*Azolla microphylla*]
533. Pruchner, D., S. Beckert, H. Muhle & V. Knoop. 2002. Divergent intron conservation in the mitochondrial *nad2* gene: Signatures for the three bryophyte classes (mosses, liverworts, and hornworts) and the lycophytes. *Journal of Molecular Evolution* 55: 265-271 (<http://link.springer.de/link/service/journals/00239/index.htm>). [*Isoetes durieui*, *Lycopodium annotinum*]
534. Pryer, K. M. & H. Schneider. 2002. A phylogeny for extant heterosporous ferns. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract; Marsileaceae, Salviniaceae]
535. Psenicka, J. & J. Bek. 2001(2002). *Oligocarpia lindsaeoides* (Ettingshausen) Stur. and its spores from the Westphalian of Central Bohemia (Czech Republic). *Sbornik Narodniho Muzea V Praze Rada B Prirodni Vedy* 57: 57-68.
536. Pullaiah, T. 2002. Biodiversity in India, Volume I. Publ. Regency Publications, New Delhi. 375 pp.
537. Punetha, N. & J. N. Pant. 2002. Leaf demographic studies on central Himalayan *Cyathea spinulosa* Wall. ex Hook. Pp. 104-109. In P. C. Trivedi (Ed.). *Advances in Pteridology*. Pointer Publishers, Jaipur, India.
538. Qing-Feng, W., L. Xing, W. C. Taylor & H. Zhao-Rong. 2002. *Isoetes yunguiensis* (Isoetaceae), a new basic diploid quillwort from China. *Novon* 12: 587-591.
539. Quintanilla, L. G. & J. Amigo. 2002. *Culcita macrocarpa* C. Presl (Dicksoniaceae, Pteridophyta) en la cuenca del Xubia (NO de la Peninsula Iberica). *Nova Acta Cientifica Compostelana (Biologia)* 11: 267-268. [Spanish]
540. Quintanilla, L. G., J. Amigo, E. Pangua & S. Pajaron. 2002. Effect of storage method on spore viability in five globally threatened fern species. *Annals of Botany (London)* 90: 461-467 (<http://www.academicpress.com/aob>). [*Culcita macrocarpa*, *D. ryopteris aemula*, *D. corleyi*, *D. guanchica*, *Woodwardia radicans*]

541. Quintanilla, L. G., E. Pangua, S. Pajaron & J. Amigo. 2002. Effect of storage method on spore germination in five threatened ferns. *Fern Gazette* 16: 445. [Abstract; *Culcita macrocarpa*, *Dryopteris aemula*, *D. corleyi*, *D. guanchica*, *Woodwardia radicans*]
542. Racusen, R. H. 2002. Early development in fern gametophytes: Interpreting the transition to prothallial architecture in terms of coordinated photosynthate production and osmotic ion uptake. *Annals of Botany (London)* 89: 227-240 (<http://www.academicpress.com/aob>). [*Onoclea sensibilis*]
543. Rajendran, V., A. Saxena, B. P. Doctor & A. P. Kozikowski. 2002. Synthesis of more potent analogues of the acetylcholinesterase inhibitor, huperzine B. *Bioorganic & Medicinal Chemistry Letters* 12: 1521-1523 (<http://www.elsevier.nl/inca/publications/store/9/7/2/>). [*Huperzia serrata*]
544. Rajkumar, S. D. 2002. Range extension of two species of *Pteris* Linn to western Ghats of Tamil Nadu, South India. *Indian Fern Journal* 19: 111-112.
545. Rajkumar, S. D. 2002. *Microsorium linguaeforme* (Mett.) Copel. A new record to Western Ghats of Tamil Nadu. *Journal of Economic & Taxonomic Botany* 26: 111-113.
546. Rajkumar, S. D. & V. S. Manickam. 2002. Rediscovery of a rare and little known fern *Elaphoglossum commutatum* (Mett. ex Kuhn) v.A.v.R. in India. *Indian J. Forest.* 25: 185-186.
547. Rakotondrainibe, F. 2002. *Elaphoglossum avaratraense* Rakotondr. (Lomariopsidaceae), a new species for Madagascar. *Boissiera* 59: 77-80. [French]
548. Rakotondrainibe, F. 2002. Annotated checklist to the pteridophytes of the Reserve Speciale de Manongarivo, Madagascar. *Boissiera* 59: 81-104. [French]
549. Randi, A. M. 2002. Influencia de luz na germinacao de pteridofitas. Pp. 199-201. In E. L. Araujo, A. N. Moura, E. V. S. B. Sampaio, L. M. S. Gustinari & J. M. T. Carneiro (Eds.). *Biodiversidade, conservacao e uso sustentavel de flora do Brasil*. Universidade Federal Rural de Pernambuco, Sociedade Botanica do Brasil, Pernambuco, Brasil. [Portuguese]
550. Ranganathan, T. V. & P. R. Kulkarni. 2002. A simple method for the analysis of trehalose using HPTLC. *Food Chemistry* 77: 263-265 (<http://www.elsevier.com/locate/foodchem>). [*Selaginella lepidophylla*]
551. Ranker, T. A. & H. A. Houston. 2002. Is gametophyte sexuality in the laboratory a good predictor of sexuality in nature- *American Fern Journal* 92: 112-118. [*Sadleria cyatheoides*, *S. pallida*]
552. Rasmussen, U. & C. Johansen. 2002. Diversity and specificity in cyanobacterial symbioses. *Biology & Environment-Proceedings of the Royal Irish Academy* 102B: 53-56.
553. Rathke, F. S. & C. S. C. Bencke. 2002. Floristic survey of pteridophytes from the Cinturao Verde of Santa Cruz do Sol, RS, Brazil. *Caderno Pesquisa Ser. Bot. (Sta Cruz do Sul)* 13: 25-36.
554. Rayachhetry, M. B., T. R. Center, T. D. Center, P. Tipping, P. D. Pratt & T. K. Van. 2002. First report of the pathogenicity of *Rhizoctonia solani* on *Salvinia molesta* and *S. minima* in Florida. *Plant Disease* 86: 813.
555. Redman, D. E. 2002. Noteworthy Collections: Delaware, Maryland. *Castanea* 67: 430-431. [*Dryopteris celsa*, *Lycopodium xhabereri* (*L. digitatum* x *L. tristachyum*)]
556. Regalado, L. & C. Sanchez. 2002. Spore morphology as a taxonomic tool in the delimitation of three *Asplenium* L. species complexes (*Aspleniaceae*: *Pteridophyta*) in Cuba. *Grana* 41: 107-113.
557. Reguero, M. A., S. A. Marensi & S. N. Santillana. 2002. Antarctic Peninsula and South America (Patagonia)



Paleogene terrestrial faunas and environments: Biogeographic relationships. *Palaeogeography Palaeoclimatology Palaeoecology* 179: 189-210 (<http://www.elsevier.com/locate/palaeo>).

558. Reid, J. D., G. M. Plunkett & G. A. Peters. 2002. Systematics of the genus *Azolla* (Azollaceae). In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
559. Rensing, S. A., S. Rombauts, Y. Van de Peer & R. Reski. 2002. Moss transcriptome and beyond. *Trends in Plant Science* 7: 535-538. [*Ceratopteris richardii*]
560. Renzaglia, K. S., S. B. Dengate, S. J. Schmitt & J. G. Duckett. 2002. Novel features of *Equisetum arvense* spermatozoids: Insights into pteridophyte evolution. *New Phytologist* 154: 159-174 (<http://www.blackwell-science.com/nph>).
561. Reshetnikova, N. M. & S. V. Kuptsov. 2002. 100-Years dynamics of vascular plant flora in Glubokoe Lake, Moscow district. *Byulleten' Moskovskogo Obshchestva Ispytatelei Prirody Otdel Biologicheskii* 107: 45-56. [*Equisetum fluviatile*]
562. Revilla, M. C., A. Andrade-Cetto, S. Islas & H. Wiedenfeld. 2002. Hypoglycemic effect of *Equisetum myriochaetum* aerial parts on type 2 diabetic patients. *Journal of Ethnopharmacology* 81: 117-120 (<http://www.elsevier.com/locate/jethpharm>).
563. Riba, R., B. Perez-Garcia & A. Mendoza. 2002. Pteridofitas, Familia Plagiogyriaceae. Consejo Nacional de la Flora de Mexico, A. C., Mexico City. 1-7 pp. [Spanish]
564. Rice, L. M. & D. A. Agard. 2002. Centriole duplication: Centrin in on answers- *Current Biology* 12: R618-R619 (<http://www.current-biology.com/>). [*Marsilea vestita*]
565. Ristau, T. E. & S. B. Horsley. 2002. Impact of chemical control of native invasive plants on understory diversity in northern hardwood forests. *Ecological Society of America Annual Meeting Abstracts* 87: 248. [Abstract; *Dennstaedtia punctilobula*, *Thelypteris noveboracensis*]
566. Roberts, R. H. 2002. An atlas of flowering plants and ferns of Anglesey. R.H. Roberts, United Kingdom. 151 pp.
567. Robertson, F. W. 2002. Reproductive behavior of cloned gametophytes of *Pteridium aquilinum* (L.) Kuhn. *American Fern Journal* 92: 270-287.
568. Rodriguez, M. A., M. I. Romero, J. Amigo, L. G. Quintanilla & R. Diaz. 2002. Ecological characterisation of *Culcita macrocarpa* C. Presl. and environmental threats in Galicia, NW Spain. *Fern Gazette* 16: 446-447. [Abstract]
569. Roelofs, J. G. M. 2002. Soft-water macrophytes and ecosystems: Why are they so vulnerable to environmental changes- Introduction. *Aquatic Botany* 73: 285-286 (<http://www.elsevier.com/locate/aquabot>). [*Isoetes*]
570. Roessler, R. & J. Galtier. 2002. First *Grammatopteris* tree ferns from the Southern Hemisphere: New insights in the evolution of the Osmundaceae from the Permian of Brazil. *Review of Palaeobotany & Palynology* 121: 205-230.
571. Roessler, R. & J. Galtier. 2002. *Dernbachia brasiliensis* gen. nov. et sp. nov.: A new small tree fern from the Permian of NE Brazil. *Review of Palaeobotany & Palynology* 122: 239-263.
572. Rojas-Alvarado, A. F. 2002. New species, new combinations and new distributions in neotropical species of *Elaphoglossum* (Lomariopsidaceae). *Revista de Biología Tropical* 50: 969-1006.
573. Rojas-Alvarado, A. F. & J. D. Tejero-Diez. 2002. A new species of *Dennstaedtia* (Filicales: Dennstaedtiaceae) for Mexico. *Revista de Biología Tropical* 50: 1007-1012. [Spanish; *Dennstaedtia gracilis*]
574. Roller, C. 2002. Caracteres diagnosticos y taxonomia del genero *Angiopteris* Hoffm. (Marattiaceae) I. Los

- cracteres. *Revista del Museo de La Plata, Bot.* 15: 23-49 ([www.iberli.org/revista/botanica/](http://www.iberli.org/revista/botanica/)). [Spanish]
575. Romine, J. D. & L. J. Swartzell. 2002. Characterization of cytoskeletal proteins in the negatively phototropic gametophyte of *Schizaea pusilla*. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
576. Rooney, T. P. & D. A. Rogers. 2002. The modified Floristic Quality Index. *Natural Areas Journal* 22: 340-344. [*Dryopteris intermedia*, *Pteridium aquilinum*]
577. Rothwell, G. W., E. L. Taylor & T. N. Taylor. 2002. *Ashicaulis woolfei* n. sp.: Additional evidence for the antiquity of osmundaceous ferns from the Triassic of Antarctica. *American Journal of Botany* 89: 352-361 (<http://www.amjbot.org>).
578. Rouleau, I., M. Crete & J. P. Ouellet. 2002. Contrasting the summer ecology of white-tailed deer inhabiting a forested and an agricultural landscape. *Ecoscience* 9: 459-469.
579. Roux, J. P. 2002. First report of the genus *Pilularia* from continental Africa. *Bothalia* 32: 82-83.
580. Roux, J. P. 2002. A new species of *Dryopteris* (*Dryopteridaceae*: *Pteropsida*) from East Africa. *Kew Bulletin* 57: 735-739.
581. Rowley, J. R., M. A. Morbelli & G. El-Ghazaly. 2002. Microspore wall structure in *Selaginella kraussiana* (*Lycophyta*). *Taiwania* 47: 115-128.
582. Rozentsvet, O. A., V. R. Filin, S. V. Saksonov & V. V. Meshcheryakov. 2002. Seasonal changes in polar lipids in fronds of the ferns *Dryopteris filix-mas* and *Matteuccia struthiopteris*. *Biochemistry (Moscow)* 67: 1006-1011.
583. Rumsey, F. J., M. Gibby & J. C. Vogel. 2002. The UK biodiversity action plan (BAP) process in action: The Killarney fern, *Trichomanes speciosum* Willd: A case study. *Fern Gazette* 16: 344-349.
584. Rumsey, F. J., J. C. Vogel, A. C. Jermy, A. M. Paul, S. J. Russell, K. A. Simpson, J. A. Barrett, A. Lockton & M. Gibby. 2002. Conserving the fen buckler fern (*Dryopteris cristata* L.) in the British Isles. *Fern Gazette* 16: 449. [Abstract]
585. Rumsey, F. J., J. C. Vogel, S. J. Russell, J. A. Barrett & M. Gibby. 2002. A review of progress towards the conservation of the Killarney Fern (*Trichomanes speciosum* Willd.) in the British Isles. *Botanical Journal of Scotland* 54: 37-47.
586. Rumsey, F. J., J. C. Vogel, S. J. Russell, J. A. Barrett & M. Gibby. 2002. Conserving a tropical fern in Europe. *Fern Gazette* 16: 448. [Abstract; *Grammitis marginella*]
587. Runk, K. 2002. Initial survey of the *Dryopteris carthusiana* complex in Estonia. *Fern Gazette* 16: 450. [Abstract]
588. Ruokolainen, K., H. Tuomisto, J. Vormisto & N. Pitman. 2002. Two biases in estimating range sizes of Amazonian plant species. *Journal of Tropical Ecology* 18: 935-942.
589. Rydin, C. & N. Wikstrom. 2002. Phylogeny of *Isoetes* (*Lycopsidea*): Resolving basal relationships using *rbcL* sequences. *Taxon* 51: 83-89.
590. Sabater, B., M. Martin, C. Schmitz-Linneweber & R. M. Maier. 2002. Is clustering of plastid RNA editing sites a consequence of transitory loss of gene function- Implications for past environmental and evolutionary events in plants. *Perspectives in Plant Ecology, Evolution & Systematics* 5: 81-89.
591. Sadovnikov, G. N. 2002. Permian *Acrostichides* from Siberia. *Paleontologicheskii Zhurnal* 1: 99-105.
592. Sajjadi, F. & G. Playford. 2002. Systematic and stratigraphic palynology of Late Jurassic-earliest Cretaceous strata

- of the Eromanga Basin, Queensland, Australia: Part Two. *Palaeontographica Abteilung B Palaeophytologie* 261: 99-165.
593. Sakamaki, Y. & Y. Ino. 2002. Influence of shade timing on an *Equisetum arvense* L. population. *Ecological Research* 17: 673-686.
594. Salino, A. 2002. New species and combinations in *Thelypteris* subg. *Goniopteris* (Thelypteridaceae). *Brittonia* 54: 331-339.
595. Salino, A. & J. Semir. 2002. Thelypteridaceae (Polypodiophyta) of the State of Sao Paulo: *Macrothelypteris* and *Thelypteris* subgenera *Cyclosorus* and *Steiropteris*. *Lundiana* 3: 9-27. [Portuguese]
596. Salmina, L. 2002. Lake-shore vegetation in western Latvia. *Proceedings of the Latvian Academy of Sciences Section B Natural Exact & Applied Sciences* 56: 69-77. [Equisetum fluviatile]
597. Samson, P. R. 2002. The early immature stages of *Hypochrysops elgneri barnardi* Waterhouse and *H. hippuris nebulosis* Sands (Lepidoptera: Lycaenidae). *Australian Entomologist* 29: 103-106. [Pyrrosia lanceolata]
598. Sanchez, C. 2002. A new filmy fern from the Dominican Republic. *American Fern Journal* 92: 20-22. [Hymenophyllum integrivalvatum]
599. Sanchez Velazquez, T. 2002. Pteridogeographic analysis of Gran Canaria and its connection with the rest of the archipelago and Madeira. *Fern Gazette* 16: 451. [Abstract]
600. Sanchez Velazquez, T. 2002. Conservation status of the rare and threatened pteridophytes of the Canary Islands. *Fern Gazette* 16: 452. [Abstract]
601. Sant, S. 2002. A propos d'une station surprenante d'*Asplenium fontanum* (L.) Bernh. dans le massif de gros d'Annot (Alpes-de-Moule-Provence, France). *Bulletin de le Societe Entrevalaise de Mycologique et Botanique Appliquie* 39: 24-25. [French]
602. Sant, S. 2002 (2001). Corrections a apporter a l'article "Nouveoules sur la chrologie du genre *Pteris* L. (Pteridaceae) dans la departement des Alpes-Maritimes (France)". *Biocosme Mesogeen* 19: 143-145.
603. Sant, S. & P. D'Onofrio. 2003(2002). Contribution to the knowledge of Alpes-Maritimes and Var departments Pteridophyta (France). *Biocosme Mesogeen* 19: 139-160. [French; *Asplenium balearicum*, *A. xhelii*, *Cheilanthes maderensis*, *Phyllitis sagitatta*]
604. Schafer, H. 2002. Distribution and status of the pteridophytes of Faial Island, Azores (Portugal). *Fern Gaz.* 16: 213-237.
605. Schiller, A. 2002. Studies of sperm chemotaxis and viability of *Ceratopteris* ferns. *AAAS Annual Meeting & Science Innovation Exposition* 168: A78.
606. Schiraldi, C., I. Di Lernia & M. De Rosa. 2002. Trehalose production: Exploiting novel approaches. *Trends in Biotechnology* 20: 420-425. <http://journals.bmn.com/journals/list/latest-jcode=tibtech>. [*Selaginella lepidophylla*]
607. Schmidt, O. 2002. A revision of the genus *Chaetolopha* Warren (Lepidoptera: Geometridae: Larentiinae) with a description of *Parachaetolopha*, gen. nov. *Invertebrate Systematics* 16: 703-733. <http://www.publish.csiro.au/journals/is>. [fern herbivory]
608. Schneckenburger, S. 2002. Systematics of the pteridophytes. *Prog. Bot.* 64: 323-346.
609. Schneider, H. & K. M. Pryer. 2002. Structure and function of spores in the aquatic heterosporous fern family Marsileaceae. *International Journal of Plant Sciences* 163: 485-505 (<http://www.journals.uchicago.edu/IJPS/journal/>).

610. Schneider, H., K. M. Pryer, R. Cranfill, A. R. Smith & P. G. Wolf. 2002. Evolution of vascular plant body plans: a phylogenetic perspective. Pp. 330-364. In Q. C. B. Cronk, R. M. Bateman & J. A. Hawkings (Eds.). *Developmental genetics and plant evolution*. Taylor & Francis, London.
611. Schneider, H., A. R. Smith, R. Cranfill, C. H. Haufler, T. A. Ranker & T. Hildebrand. 2002. *Gymnogrammitis dareiformis* is a polygrammoid fern (Polypodiaceae): Resolving an apparent conflict between morphological and molecular data. *Plant Systematics & Evolution* 234: 121-136.
612. Schneider, H., J. C. Vogel, M. Gibby, S. J. Russell, C. Cox, S. Henderson, F. Bakker & F. Rumsey. 2002. Reticulation in *Asplenium* - new insights from phylogeny. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
613. Schneller, J. J. 2002. The *Athyrium filix-femina* complex: a fascinating group to study evolutionary processes. Facts and prospects. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
614. Schneller, J. J., H. Gerber & A. Zuppiger. 2002. Spore dispersal mechanisms in *Selaginella*. A fascinating case of bioballistics. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
615. Schoen, D. J., J. S. Brownstein & P. A. White. 2002. Mutation load in natural populations of the sensitive fern *Onoclea sensibilis* exposed to soil mutagens. *Ecological Applications* 12: 124-137.
616. Schuettpelz, E., H. Schneider & K. M. Pryer. 2002. The phylogenetic history of *Pterozonium* (Pteridaceae) revisited: from groundplan divergence to maximum parsimony. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
617. Schulz, K. E., T. Marriage, S. Albrecht, J. Zasada, E. Nauertz, D. Buckley & T. Crow. 2002. Species composition of summer herb communities under *Acer saccharum* regeneration thickets. *Ecological Society of America Annual Meeting Abstracts* 87: 422. [Abstract; *Lycopodium*]
618. Schuyler, A. E. & T. Gordon. 2002. Rare plants in the Middle Branch of the Forked River watershed, Lacey Township, Ocean County, New Jersey. *Bartonia* 61: 117-121. [*Schizaea pusilla*]
619. Schweitzer, H. J. & P. Giesen. 2002. Important new Middle Devonian plant finds around Wuppertal in the Bergisches Land region, W Germany. *Palaeontographica Abteilung B Palaeophytologie* 262: 91-117. [German]
620. Schwenninger, J. L. & Y. Krippel. 2002. Population survey and conservation of Tunbridge filmy-fern in the Grand Duchy of Luxembourg. *Fern Gazette* 16: 453. [Abstract; *Hymenophyllum tunbrigense*]
621. Selvi, F. 2002. Contribution to the floristic knowledge of the Maremma Grossetana. New records of rare, vulnerable or poorly known plants in Tuscany. *Informatore Botanico Italiano* 34: 119-124. [Italian; *Huperzia selago*]
622. Sempere-Ortells, J. M., A. Campos, I. Velasco, F. Marco, A. Ramirez-Bosca, J. Diaz & J. Pardo. 2002. *Anapsos* (*Polypodium leucotomos*) modulates lymphoid cells and the expression of adhesion molecules. *Pharmacological Research* 46: 185-190 (<http://www.academicpress.com/pharmres>).
623. Sengupta, S., A. K. Das & S. N. Ghosh. 2002. Biocidal activity of some plant extracts. *Journal of Hill Research* 15: 99-101. [*Microsorium punctatum*, *Nephrolepis tuberosa*, *Spheromeris chinensis*]
624. Sessions, L. & D. Kelly. 2002. Predator-mediated apparent competition between an introduced grass, *Agrostis capillaris*, and a native fern, *Botrychium australe* (Ophioglossaceae), in New Zealand. *Oikos* 96: 102-109.
625. Seth, M. K., A. Kumari, A. Bhandari & S. P. Khullar. 2002. Common pteridophytes of Shimla (Himachal Pradesh), N. W. Himalaya III: Polypodiaceae, Loxogrammaceae, Cryptogrammaceae, Sinopteridaceae and Osmundaceae.

Indian Fern Journal 19: 10-33.

626. Seth, M. K., A. Kumari, A. Bhandari & S. P. Khullar. 2002. Common pteridophytes of Shimla (Himachal Pradesh), N.W. Himalaya-IV: Dryopteridaceae, Hypodematiaceae, Thelypteridaceae, Blechnaceae and Pteridaceae. *Indian Fern Journal* 19: 55-81.
627. Sharma, B. D. & D. R. Bohra. 2002. The ligule of Isoetes: A prophyllar structure. *Phytomorphology* 52: 17-22.
628. Sharma, B. D., D. R. Bohra & O. P. Suthar. 2002. Some interesting plant fossils from the Mesozoic rocks of the Rajmahal Hills India. *Palaeobotanist* 50: 207-212.
629. Sharma, G. D., S. Bhattacharjee, M. Sinha & A. K. Das. 2002. Status of plant bio-diversity of Cachar district & its conservation. *Journal of Economic & Taxonomic Botany* 26: 94-101.
630. Sheffield, E. 2002. Effects of asulam on non-target pteridophytes. *Fern Gazette* 16: 377-382.
631. Shi, L. 2002. Studies on the spore morphology and taxonomic significance of *Phymatosorus* Pic. Serm. (Polypodiaceae) from China. *Bull. of Bot. Research* 22 (4): 428-432. [Chinese]
632. Shiels, A. B. 2002. Bird perches and soil amendments as revegetation techniques for landslides in Puerto Rico. University of Nevada Las Vegas, Las Vegas. 134 pp. [Thesis; Cyathea]
633. Shiels, A. B. & L. R. Walker. 2002. Picking the best soil amendment to accelerate landslide revegetation in Puerto Rico. *Ecological Society of America Annual Meeting Abstracts* 87: 265. [Abstract; Cyathea]
634. Shinohara, W. & N. Murakami. 2002. Cytological and molecular studies on intraspecific differentiation within *Debaria petersenii* complex. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
635. Shiomi, N. & S. Kitoh. 2002. Screening of *Azolla* strain for tolerance to ammonium. *Lakes Reservoirs Research & Management* 7: 45-48 (<http://www.blackwell-science.com/~cgilib/jnlpage.asp-Journal=xlare&File=xlare>).
636. Shukla, P. K., G. K. Srivastava & S. K. Shukla. 2002. The quillworts (Isoetes) of India: Distribution, endemism and species radiation. *Biodiversity & Conservation* 11: 959-973 (<http://www.kluweronline.com/issn/0960-3115>).
637. Silva, L. B., S. S. S. Santos, C. R. Azevedo, M. A. L. Cruz, T. M. Venancio, C. P. Cavalcante, A. F. Uchoa, S. Astolfi Filho, A. E. A. Oliveira, K. V. S. Fernandes & J. Xavier-Filho. 2002. The leaves of green plants as well as a cyanobacterium, a red alga, and fungi contain insulin-like antigens. *Brazilian Journal of Medical & Biological Research* 35: 297-303. [Lycopodophyta, Sphenopsida]
638. Siman, S. E. & E. Sheffield. 2002. *Polypodium vulgare* plants sporulate continuously in a non-seasonal glasshouse environment. *American Fern Journal* 92: 30-38.
639. Simon, S. L., J. C. Graham & S. D. Terp. 2002. Uptake of <sup>40</sup>K and <sup>137</sup>Cs in native plants of the Marshall Islands. *Journal of Environmental Radioactivity* 59: 223-243 (<http://www.elsevier.com/locate/jenvrad>). [*Polypodium scolopendria*]
640. Singh, S. 2002. *Lygodium altum* (C.B. Clarke) v.A.v.R.: A fern new to Orissa. *Journal of Economic & Taxonomic Botany* 26: 537-539.
641. Skog, J. E. 2002. Preparing a grant proposal for NSF. *Plant Science Bulletin* 48: 6-8.
642. Skog, J. E., E. A. Zimmer & J. T. Mickel. 2002. Additional support for two subgenera of *Anemia* (Schizaeaceae) from data for the chloroplast intergenic spacer region trnL-F and morphology. *American Fern Journal* 92: 119-130.
643. Smarr, T. 2002. Landscaping with ferns. *New England Wild Flower* 6: 25-27.

644. Smith, A. R. 2002. Horsetails and whisk ferns re-examined: when a "fern ally" is really a fern. *Hardy Fern Foundation Quarterly* 12: 4-7. [Equisetum, Psilotum]
645. Smith, A. R. 2002. Azollaceae to Pteridaceae. Pp. 66-74. In B. G. Baldwin (Ed.). *The Jepson Desert Manual: vascular plants of southeastern California*. University of California Press, Berkeley. (Some treatments with T. Lemieux, S. Whitmore)
646. Smith, A. R. & R. Cranfill. 2002. Intrafamilial relationships of the thelypteroid ferns (Thelypteridaceae). *American Fern Journal* 92: 131-149.
647. Smith, A. R. & X. C. Zhang. 2002. Caobangia, a new genus and species of Polypodiaceae from Vietnam. *Novon* 12: 546-550.
648. Smith, R. & P. Ward. 2002. Pattern of vertebrate extinctions across an event bed at the Permian/Triassic boundary in the Karoo Basin of South Africa. *Journal of Vertebrate Paleontology* 22: 109A.
649. Sokoloff, D. D. 2002. New species to the flora of Murmansk Province. *Byulleten' Moskovskogo Obshchestva Ispytatelei Prirody Otdel Biologicheskii* 107: 59. [Ophioglossum vulgatum]
650. Soltis, P. S., D. E. Soltis, V. Savolainen, P. R. Crane & T. G. Barraclough. 2002. Rate heterogeneity among lineages of tracheophytes: Integration of molecular and fossil data and evidence for molecular living fossils. *Proceedings of the National Academy of Sciences of the United States of America* 99: 4430-4435 (<http://www.pnas.org>). [Angiopteris, Marattia]
651. Somvanshi, R. & M. Kataria. 2002. Characterisation of long term feeding effects of *Dryopteris juxtaposita* fern in hill cattle. *Indian Fern Journal* 19: 40-54.
652. Soster, M. 2002. Identikit delle Felci d'Italia. Via Giare, 11 I-13019, Varallo, Italy. 304 pp. [Italian]
653. Speer, W. D., C. R. Werth, E. Sheffield & P. G. Wolf. 2002. North American Pteridium: insights on population structure and systematic relationships from morphology, isozymes, and chloroplast DNA. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
654. Speer, W. D. & P. G. Wolf. 2002. A phylogenetic study of the genus *Equisetum* using chloroplast and nuclear DNA. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
655. Spicer, R. A., A. Ahlberg, A. B. Herman, S. P. Kelley, M. I. Raikevich & P. M. Rees. 2002. Palaeoenvironment and ecology of the middle Cretaceous Grebenka flora of northeastern Asia. *Palaeogeography Palaeoclimatology Palaeoecology* 184: 65-105 (<http://www.elsevier.com/locate/palaeo>).
656. Spijkerboer, H. P., J. E. Beniers, D. Jaspers, H. J. Schouten, J. Goudriaan, R. Rabbinge & W. van der Werf. 2002. Ability of the Gaussian plume model to predict and describe spore dispersal over a potato crop. *Ecological Modelling* 155: 1-18 (<http://www.elsevier.com/locate/ecolmodel>). [*Lycopodium clavatum*]
657. Spitzer, B. W. & S. Y. Strauss. 2002. "Home-field advantage" in *Saisseta coffeae* on two tropical plants: Local adaptation or maternal effects- *Ecological Society of America Annual Meeting Abstracts* 87: 433. [Abstract; *Lomariopsis vestita*]
658. Srivastava, M. 2002. Enumeration of Pteridophytes of Allahabad district (Uttar Pradesh). *Journal of Economic & Taxonomic Botany* 26: 176-180.
659. Srivastava, M. & S. Chandra. 2002. *Colysis pothifolia*, a new record of occurrence from Pithoragarh.

Geophytology 31: 117-118.

660. Srivastava, M., P. B. Khare & S. Chandra. 2002. Additions to the pteridophytic flora of the Corbett National Park. *Indian Fern Journal* 19: 107-110.
661. Stein, D. B., C. Hutton, D. S. Conant & C. R. Werth. 2002. Molecular evidence for a *Dryopteris semicristata* genome. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
662. Stensvold, M. C., D. R. Farrar & C. L. Johnson-Groh. 2002. Two new species of moonworts (*Botrychium* subg. *Botrychium*) from Alaska. *American Fern Journal* 92: 150-160. [*Botrychium tunux*, *B. yaaxudakeit*]
663. Stewart, J. E. 2002. The distribution of non-indigenous invasive Old World climbing fern, *Lygodium microphyllum*, in southern Florida: the relationship to abiotic and biotic variables. Florida Atlantic University, Boca Raton. 52 pp. [Thesis]
664. Stewart, N. 2002. Conservation action on *Pilularia globulifera* L. and *Lycopodiella inundata* (L.) J. Holub in England. *Fern Gazette* 16: 466. [Abstract]
665. Stoletnya, O., T. Parshikova & O. V. Vasheka. 2002. Comparative analysis of caffeine contents for some higher and lower plants. Pp. 43-47. In *Kyiv National Taras Shevchenko University newsletter. Biology*. [Ukrainian]
666. Stone, K. W. & W. R. Feldman. 2002. Assessment of vegetative recovery following fire at Gonzales Pass, Pinal County, Arizona. *Ecological Society of America Annual Meeting Abstracts* 87: 436. [Abstract; *Selaginella arizonica*]
667. Stout, S. C. & S. J. Roux. 2002. Use of RNA silencing to characterize calcium signaling genes expressed in *Ceratopteris richardii* during spore germination. p. 179 (<http://www.aspb.org/meetings/>). In *Plant Biology*. American Society of Plant Biologists, New York. [Abstract]
668. Stoyanova, D. & G. Baldjiev. 2002. Ultrastructural responses of the chloroplasts of *Lemna minor* L. and *Salvinia natans* (L.) All. to cadmium. *Phytologia Balcanica* 8: 369-378.
669. Strand, V. V. 2002. The influence of ventilation systems on water depth penetration of emergent macrophytes. *Freshwater Biology* 47: 1097-1105 (<http://www.blackwell-science.com/fwb>). [*Equisetum fluviatile*]
670. Streitz, H. & D. Bickler. 2002. Further records of noteworthy plant tribes in the Rheingau-Taunus district and in Wiesbaden, Germany. *Hessische Floristische Briefe* 51: 62-65. [*Equisetum ramosissimum*]
671. Strong, W. L. 2002. Lodgepole pine/Labrador tea type communities of western Canada. *Canadian Journal of Botany* 80: 151-165. [*Lycopodium*]
672. Subramaniam, A. & P. Dwarakan. 2002. A catalogue of indigenous bulbous plants from Shevaroy Hills of Salem District, Tamil Nadu. *Journal of Economic & Taxonomic Botany* 26: 25-27. [*Drynariaceae*, *Ophioglossaceae*, *Polypodiaceae*]
673. Sun, J. S., C. Y. Lin, G. C. Dong, S. Y. Sheu, F. H. Lin, L. T. Chen & Y. J. Wang. 2002. The effect of *Gu-Sui-Bu* (*Drynaria fortunei* J. Sm) on bone cell activities. *Biomaterials* 23: 3377-3385 (<http://www.elsevier.com/locate/biomaterials>).
674. Sunitha, S., B. Rao & P. Ravi. 2002. *Osmunda regalis* L.: A new report to Andhra Pradesh. *Journal of Economic & Taxonomic Botany* 26: 600-602.
675. Svensson, M. E. & P. Engstrom. 2002. Closely related MADS-box genes in club moss (*Lycopodium*) show broad expression patterns and are structurally similar to, but phylogenetically distinct from, typical seed plant MADS-box genes. *New Phytologist* 154: 439-450 (<http://www.blackwell-science.com/nph>). [*Lycopodium annotinum*]

676. Swartz, L. M. & S. J. Brunsfeld. 2002. The morphological and genetic distinctness of *Botrychium minganense* and *B. crenulatum* as assessed by morphometric analysis and RAPD markers. *American Fern Journal* 92: 249-269.
677. Sylvestre, L. S. & P. G. Windisch. 2002. New combinations in *Antigramma* C. Presl (*Aspleniaceae*) and a synopsis of the species. *Bradea* 8: 331-335.
678. Sylvestre, L. S. & P. G. Windisch. 2002. Current conservation status of *Asplenium* species in Brazil. *Fern Gazette* 16: 455. [Abstract]
679. Takahashi, H., V. Y. Barkalov, S. Gage, S. Joneson, M. Ilushko & Y. N. Zhuravlev. 2002. A floristic study of the vascular plants of Raikoke, Kuril Islands. *Acta Phytotaxonomica et Geobotanica* 53: 17-33.
680. Takayama, H., K. Katakawa, M. Kitajima, K. Yamaguchi & N. Aimi. 2002. Seven new *Lycopodium* alkaloids, lycoposerramines-C, -D, -E, -P, -Q, -S, and -U, from *L. serratum* Thunb. *Tetrahedron Letters* 43: 8307-8311.
681. Talbot, S. L. & S. S. Talbot. 2002. A new population of Aleutian shield fern (*Polystichum aleuticum* C. Christens.) on Adak Island, Alaska. *American Fern Journal* 92: 288-293.
682. Tan, C. H., B. D. Wang, S. H. Jiang & D. Y. Zhu. 2002. New lycopodium alkaloids from *Huperzia serrata*. *Planta Medica* 68: 188-190 (<http://www.thieme.de/plantamedica>).
683. Tanaka, T., T. Katoh & T. Satoh. 2002. Role of the rice seedlings and *Kouywarabi* (*Onoclea sensibilis* L.) infested with *Burkholderia plantarii* as the source of bacterial seedling blight of rice. *Japanese Journal of Phytopathology* 68: 283-290.
684. Taylor, W. C. 2002. *Isoetes xherb-wagneri*, an interspecific hybrid of *Isoetes bolanderi* x *Isoetes echinospora* (*Isoetaceae*). *American Fern Journal* 92: 161-163.
685. Taylor, W. C., N. T. Luebke & S. B. Hoot. 2002. Phylogeny and allopolyploidy of South American *Isoetes* based on morphology, chromosome counts, and DNA sequences. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
686. Tchubar, E. A. 2002. Addition to flora of islands of the Far East Marine Reserve (Peter the Great Bay). *Botanicheskii Zhurnal* (St. Petersburg) 87: 162-164. [*Botrychium robustum*, *Dryopteris monticola*]
687. Teixeira, G., R. Glen & F. Carrapico. 2002. Megaspore apparatus ultrastructure in *Azolla pinnata* R. Br. from South Africa. *Garcia de Orta Serie de Botanica* 16: 33-37.
688. Teodoridis, V. 2001(2002). Tertiary flora and vegetation of the Hlavacov gravel and sand and the surroundings of Holedec in the Most Basin (Czech Republic). *Sbornik Narodniho Muzea V Praze Rada B Prirodni Vedy* 57: 103-140.
689. Terrazas, E. F. & B. Stahl. 2002. Diversity and phytogeography of the vascular flora of the *Polylepis* forests of the Cordillera de Cochabamba, Bolivia. *Ecotropica* 8: 163-182.
690. Tessier, J. T. 2002. Vernal ecophysiology of understory vegetation and soil microbes in a second-growth northern hardwood forest of the Catskill Mountains, New York. State University of New York College of Environmental Science and Forestry, Syracuse. 173 pp. [Dissertation; *Dryopteris intermedia*]
691. Tewari, L. M. 2001. Ecology of epiphytic ferns along an altitudinal gradient in Nainital Hills, Kumaun Himalaya. Pp. 315-361. In P. C. Pande & S. S. Samant (Eds.). *Plant Diversity of the Himalaya*. Gyanodaya Prakashan, Nainital.
692. Tewari, L. M. & N. S. Bankoti. 2001. Distributional and ecological observations on the epiphytic ferns of Kumaun (Western Himalaya). Pp. 401-409. In P. C. Pande & S. S. Samant (Eds.). *Plant Diversity of the Himalaya*. Gyanodaya Prakashan, Nainital.



693. Thomas, P. & A. McIntire. 2002. Fern portraits. *New England Wild Flower* 6: 8-19.
694. Thomson, J. A. 2002. An improved non-cryogenic transport and storage preservative facilitating DNA extraction from 'difficult' plants collected at remote sites. *Telopea* 9: 755-760. [Pteridium]
695. Thomson, J. A. & M. E. Alonso-Amelot. 2002. Clarification of the taxonomic status and relationships of *Pteridium caudatum* (Dennstaedtiaceae) in Central and South America. *Botanical Journal of the Linnean Society* 140: 237-248.
696. Thornton, I. W. B., D. Runciman, S. Cook, L. F. Lumsden, T. Partomihardjo, N. K. Schedvin, J. Yukawa & S. A. Ward. 2002. How important were stepping stones in the colonization of Krakatau- *Biological Journal of the Linnean Society* 77: 275-317.
697. Thorson, B. J. & J. Brusslan. 2002. A phylogenetic study of three *Selaginella* (Lycophyta) species; a novel approach using morphological data and hsp70 gene sequence identity. p. 39 (<http://www.aspb.org/meetings/>). In *Plant Biology*. American Society of Plant Biologists, New York. [Abstract]
698. Tidwell, W. D. & J. E. Skog. 2002. Three new species of *Aurealcaulis* (*A. burgii* sp. nov., *A. dakotensis* sp. nov., and *A. nebraskensis* sp. nov.) from South Dakota and Nebraska, USA. *Palaeontographica Abteilung B Palaeophytologie* 262: 25-37.
699. Timmins, S. M. 2002. Impact of cattle on conservation land licensed for grazing in South Westland, New Zealand. *New Zealand Journal of Ecology* 26: 107-120. [*Asplenium bulbiferum*, *Blechnum fluviatile*, *Dicksonia squarrosa*, *Polystichum vestitum*]
700. Tindale, M. D. & S. K. Roy. 2002. A cytotoxic survey of the Pteridophyta of Australia. *Australian Systematic Botany* 15: 839-937.
701. Toal, M. E., D. Copplestone, M. S. Johnson, D. Jackson & S. R. Jones. 2002. Quantifying <sup>137</sup>Cs aggregated transfer coefficients in a semi-natural woodland ecosystem adjacent to a nuclear reprocessing facility. *Journal of Environmental Radioactivity* 63: 85-103. [Pteridium aquilinum]
702. Tosolini, A. M. P., S. McLoughlin & A. N. Drinnan. 2002. Early Cretaceous megaspore assemblages from southeastern Australia. *Cretaceous Research* 23: 807-844.
703. Towill, L. R. 2002. Characterization of proteins in spores of the fern *Ceratopteris richardii*. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
704. Toyota, M., Y. Oiso & Y. Asakawa. 2002. New glycosides from the Japanese fern *Hymenophyllum barbatum*. *Chemical & Pharmaceutical Bulletin* (Tokyo) 50: 508-514.
705. Trewick, S. A., M. Morgan-Richards, S. J. Russell, S. Henderson, F. J. Rumsey, I. Pinter, J. A. Barrett, M. Gibby & J. C. Vogel. 2002. Polyploidy, phylogeography and Pleistocene refugia of the rockfern *Asplenium ceterach*: Evidence from chloroplast DNA. *Molecular Ecology* 11: 2003-2012 (<http://www.blackwell-science.com/~cgilib/jnlpage.asp-Journal=mecol&File=mecol>).
706. Tripathi, R. P. & S. N. Mishra. 2002. Megaspores from the coal deposits of South Rewa Gondwana Basin. *Indian Fern Journal* 19: 82-88.
707. Trivett, M., G. W. Rothwell & R. A. Stockey. 2002. A permineralized schizaeaceous fern from the Late Eocene of Vancouver Island, British Columbia, Canada. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
708. Trofymow, J. A., T. R. Moore, B. Titus, C. Prescott, I. Morrison, M. Siltanen, S. Smith, J. Fyles, R. Wein, C. Camire, L. Duschene, L. Kozak, M. Kranabetter & S. Visser. 2002. Rates of litter decomposition over 6 years in

- Canadian forests: Influence of litter quality and climate. *Canadian Journal of Forest Research* 32: 789-804 (<http://rcrf.cnr.ca>). [*Pteridium aquilinum*]
709. Tuomisto, H., K. Ruokolainen, A. D. Poulsen, R. C. Moran, C. Quintana, G. Canas & J. Celi. 2002. Distribution and diversity of pteridophytes and Melastomataceae along edaphic gradients in Yasuni National Park, Ecuadorian Amazonia. *Biotropica* 34: 516-533.
710. Uhl, D., H. Walther & M. Krings. 2002. The Palaeogene flora of Hochstetten-Dhaun (Nahe-area, Rhineland-Palatinate, SW-Germany). *Feddes Repertorium* 113: 477-491.
711. Vaishampayan, A., R. P. Sinha, D. P. Haeder, T. Dey, A. K. Gupta, U. Bhan & A. L. Rao. 2001(2002). Cyanobacterial biofertilizers in rice agriculture. *Botanical Review* 67: 453-516. [*Azolla*]
712. Vallinayagam, S., V. S. Manickam & S. Seeni. 2002. Multiplication of *Diplazium cognatum* through in vitro culture. *Phytomorphology* 52: 23-27.
713. Van Den Heede, C. J., S. Pajaron, E. Pangua & R. L. L. Viane. 2002. A new species and a new hybrid of *Asplenium* (*Aspleniaceae*) from Cyprus and evidence of their origin. *Belgian Journal of Botany* 135: 92-116.
714. van der Kaars, S. & P. De Deckker. 2002. A Late Quaternary pollen record from deep-sea core Fr10/95, GC17 offshore Cape Range Peninsula, northwestern Western Australia. *Review of Palaeobotany & Palynology* 120: 17-39 (<http://www.elsevier.com/locate/revpalbo>).
715. Van Dijck, P., J. O. Mascorro-Gallardo, M. De Bus, K. Royackers, G. Iturriaga & J. M. Thevelein. 2002. Truncation of *Arabidopsis thaliana* and *Selaginella lepidophylla* trehalose-6-phosphate synthase unlocks high catalytic activity and supports high trehalose levels on expression in yeast. *Biochemical Journal* 366: 63-71 (<http://www.biochemj.org/>).
716. Van Hove, C. & A. Lejeune. 2002. The *Azolla*-*Anabaena* symbiosis. *Biology & Environment-Proceedings of the Royal Irish Academy* 102B: 23-26.
717. Van Konijnenburg-Van Cittert, J. H. A. 2002. Ecology of some Late Triassic to Early Cretaceous ferns in Eurasia. *Review of Palaeobotany & Palynology* 119: 113-124 (<http://www.elsevier.com/locate/revpalbo>).
718. van Waveren, I., J. H. A. van Konijnenburg-van Cittert, J. van der Burgh & D. L. Dilcher. 2002. Macrofloral remains from the Leiva region (Colombia). *Scripta geologica* 123: 1-39.
719. Vasheka, O. V. 2002. Ferns of the genus *Polystichum* Roth in outdoor collections of the O. V. Fomin Botanical Garden. Pp. 81-84. In *The role of botanical gardens in green buildings of the cities, health resorts and recreation zones; Proceedings of the international conference 20-25 May*. Odessa, Ukraine. [Abstract; Ukrainian]
720. Vasheka, O. V. 2002. Peculiarities of water economy of fertile and sterile fronds of *Dryopteris cristata* (L.) Gray (*Dryopteridaceae* Ching). Pp. 24-25. In *Nowadays problems of plant introduction and conservation of ecosystem biodiversity. Proceedings of the conference 10-14 September*. Chernivzi, Ukraine. [Abstract; Ukrainian]
721. Vasheka, O. V. 2002. Introduction of *Polystichum munitum* (Kaulf.) C. Presl in the outdoors, O. V. Fomin Botanical Garden. Pp. 36-37. In *The Botanical Gardens: state and prospects for conservation, investigation and the use of biological diversity in the plant world. Proceedings of the international conference 30-31 May*. Minsk, Belarus. [Abstract; Russian]
722. Vasheka, O. V. & O. V. Brayon. 2002. Frond epidermal structural peculiarities of evergreen and summergreen ferns of the family *Dryopteridaceae* Ching. Pp. 267-268. In *Proceedings of the II International Conference of Plant Anatomy and Morphology, 23-25 September*. Saint Petersburg, Russia. [Abstract; Russian]
723. Vasudeva, S. M. 2002. Systematics and classification of ferns: retrospect and prospect. Pp. 29-47. In P. C. Trivedi

(Ed.). *Advances in Pteridology*. Pointer Publishers, Jaipur.

724. Vasudeva, S. M. 2002. Diversity of fern flora of Satpura Hills: an ecological perspective. Pp. 342-363. In T. Pullaiah (Ed.). *Biodiversity in India, Volume 1*. Regency Publishers, New Delhi.
725. Vasudeva, S. M. 2002. Phytogeographical investigations on pteridophytic flora of Satpura Hills: an updated account. Pp. 64-69. In T. Pullaiah (Ed.). *Biodiversity in India, Volume II*. Regency Publications, New Delhi.
726. Vasudeva, S. M. 2002. Cytopolynological characteristics of fern allies of Satpura Hills (Central India) - II. Pp. 70-74. In T. Pullaiah (Ed.). *Biodiversity in India, Volume II*. Regency Publishers, New Delhi.
727. Vasudeva, S. M. 2002. Cytopolynological characteristics of fern allies of Satpura Hills (Central India) - 1. *Bionotes* 4: 9.
728. Vasudeva, S. M. 2002. Cyto-ecological uniqueness of fern allies of Satpura Hills (Central India) *Eco-research. J Biosciences* 1: 1-7.
729. Vasudeva, S. M. 2002. Rare and endangered pteridophytes of Pachmarhi Hills (Central India) and their conservation strategies. Pp. 342-363. In J. S. Dargan & T. A. Sarma (Eds.). *Plant Diversity and its conservation strategies*. Bishan Singh Mahendar Pal Singh Publishers, Dehradun, India.
730. Velayos, M., C. Aedo & R. Perez Viso. 2001(2002). Check-list of the pteridophytes of Equatorial Guinea. *Belgian Journal of Botany* 134: 145-191.
731. Verghese, S. & A. K. Misra. 2002. Frankia-actinorhizal symbiosis with special reference to host-microsymbiont relationship. *Current Science (Bangalore)* 83: 404-408. [Azolla]
732. Verucchi, G., L. Calza, L. Attard & F. Chiodo. 2002. Acute hepatitis induced by traditional Chinese herbs used in the treatment of psoriasis. *Journal of Gastroenterology & Hepatology* 17: 1342-1343. [Lycopodium serratum]
733. Veys, P., A. Lejeune & C. Van Hove. 2002. The pore of the leaf cavity of Azolla species: Teat cell differentiation and cell wall projections. *Protoplasma* 219: 31-42.
734. Vidoz, F., C. A. Ubeda & J. Q. Vidoz. 2002. *Batrachyla antartandica* (NCN). *Herpetological Review* 33: 218. [Blechnum chilense]
735. Vieira, M. d. F. & J. U. Adis. 2002. Accepted food plants of *Paulinia acuminata* (De Geer, 1773) (Orthoptera: Pauliniidae) in the varzea of central Amazonia. *Acta Amazonica* 32: 333-338. [Portuguese; Azolla, Salvinia auriculata, S. minima]
736. Visoottiviset, P., K. Francesconi & W. Sridokchan. 2002. The potential of Thai indigenous plant species for the phytoremediation of arsenic contaminated land. *Environmental Pollution* 118: 453-461 (<http://www.elsevier.com/locate/envpol>). [Pityrogramma calomelanos, Pteris vittata]
737. Vitalis, R., M. Riba, B. Colas, P. Grillas & I. Olivieri. 2002. Multilocus genetic structure at contrasted spatial scales of the endangered water fern *Marsilea strigosa* Willd. (Marsileaceae, Pteridophyta). *American Journal of Botany* 89: 1142-1155 (<http://www.amjbot.org>).
738. Vlek, P. L. G., U. Eberhardt & M. M. Aung. 2002. The role of Azolla in lowering the pH of simulated floodwater. *Journal of Applied Botany* 76: 1-7 (<http://www.blackwell.de/jab.htm>).
739. Vogel, J. C., H. Schneider, M. Gibby, I. Pinter, S. Trewick, M. Morgan-Richards, J. A. Barrett, S. Russell, S. Henderson & F. Rumsey. 2002. Polyploidy, phylogeography and Pleistocene refugia of the rockfern *Asplenium ceterach*: evidence from cpDNA and allozymes. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]

740. Vogel, J. C., J. A. Barrett, M. Gibby, C. James, M. Morgans-Richards, F. J. Rumsey, S. J. Russell & S. Trewick. 2002. Taxon rarity and endemism versus glacial refugia and centres of genetic diversity: Where should we place conservation priorities for European pteridophytes- *Fern Gazette* 16: 464. [Abstract]
741. Vulcz, R., L. Vulcz, L. D. Greer & G. Lawrence. 2002. Sustainable production of tree ferns in Southeast Australia. *Fern Gazette* 16: 388-392. [*Dicksonia antarctica*]
742. Wagner, W. H. & J. R. Grant. 2002. *Botrychium alaskense*, a new moonwort from the interior of Alaska. *American Fern Journal* 92: 164-170.
743. Waldren, S., J. Martin, T. Curtis & D. Lynn. 2002. Experimental translocation of *Gymnocarpium robertianum* (Hoffm.) Newman in Ireland. *Fern Gazette* 16: 456-457. [Abstract]
744. Wan, C. B., X. Y. Qiao, H. Kong, Y. D. Jin, Y. W. Sun, P. J. Liu, J. G. Yang & Y. G. Ren. 2002. Early Cretaceous spore-pollen assemblages from Bei'an area, Heilongjiang Province. *Acta Micropalaeontologica Sinica* 19: 83-90.
745. Wang, J., F. J. Zhao, A. A. Meharg, A. Raab, J. Feldmann & S. P. McGrath. 2002. Mechanisms of arsenic hyperaccumulation in *Pteris vittata*. Uptake kinetics, interactions with phosphate, and arsenic speciation. *Plant Physiology (Rockville)* 130: 1552-1561.
746. Wang, L. S., J. Zhou, X. M. Shao & X. C. Tang. 2002. Huperzine A attenuates cognitive deficits and brain injury in neonatal rats after hypoxia-ischemia. *Brain Research* 949: 162-170 (<http://www.elsevier.com/homepage/sah/bres/doc/journal2.htm>). [*Huperzia serrata*]
747. Wang, Q., S. G. Hao, D. M. Wang & D. L. Dilcher. 2002. An anatomically preserved arborescent lycopsid, *Sublepidodendron songziense* (Sublepidodendraceae), from the Late Devonian of Hubei, China. *American Journal of Botany* 89: 1468-1477 (<http://www.amjbot.org>).
748. Wang, Q. F., X. Liu, W. C. Taylor & Z. R. He. 2002. *Isoetes yunguiensis* (Isoetaceae), a new basic diploid quillwort. *Novon* 12: 587-591.
749. Wang, S. J., B. L. Tian & G. R. Chen. 2002. Anatomically-preserved lepidodendrolean plants from Permian coal balls of China: *Sigillariopsis* Scott. *Acta Botanica Sinica* 44: 104-112.
750. Wang, S. J., B. L. Tian & G. R. Chen. 2002. Anatomical structure of leaf cushion of *Lepidodendron lepidophloides* Yao. *Acta Botanica Sinica* 44: 362-366.
751. Wang, S. J., B. L. Tian & G. R. Chen. 2002. Anatomically preserved lepidodendrolean plants from Permian coal balls of China: Leaves of *Lepidophylloides Snigirevskaya*. *Review of Palaeobotany & Palynology* 122: 63-76.
752. Wang, Y. D. 2002. Fern ecological implications from the Lower Jurassic in western Hubei, China. *Review of Palaeobotany & Palynology* 119: 125-141 (<http://www.elsevier.com/locate/revpalbo>).
753. Wang, Y. D. & H. Xu. 2002. A new fossil plant from the earliest carboniferous of China. *International Journal of Plant Sciences* 163: 475-483. [*Helicophyton dichotomum*]
754. Wardlaw, A. C. 2002. Horticultural approaches to the conservation of the ferns of the British Isles. *Fern Gazette* 16: 356-361.
755. Wardlaw, A. C. 2002. Conservation of tree ferns ex situ. *Fern Gazette* 16: 393-397.
756. Wardle, D. A., K. I. Bonner & G. M. Barker. 2002. Linkages between plant litter decomposition, litter quality, and vegetation responses to herbivores. *Functional Ecology* 16: 585-595 (<http://www.blackwell-science.com/~cgilib/jnlpage.asp-Journal=fecol&File=fecol>).

757. Watkins, J. E. Jr. & D. R. Farrar. 2002. A new name for an old fern from north Alabama. *American Fern Journal* 92: 171-178. [*Stegnogramma*, *Thelypteris burksiorum*, *T. pilosa*, *T. pilosa* var. *alabamensis*]
758. Watson, L. H. & M. J. Cameron. 2002. Forest tree and fern species as indicators of an unnatural fire event in a southern Cape mountain forest. *South African Journal of Botany* 68: 357-361. [*Cyathea capensis*]
759. Weisner, S. E. B. & J. A. Strand. 2002. Ecology and management of plants in aquatic ecosystems. Pp. 242-256. In M. R. Perrow & A. J. Davy (Eds.). *Handbook of ecological restoration. Principles of restoration (Volume 1); Restoration in practice (Volume 2)*. Cambridge University Press, Cambridge. [*Salvinia molesta*]
760. Weller, T. J. & C. J. Zabel. 2002. Variation in bat detections due to detector orientation in a forest. *Wildlife Society Bulletin* 30: 922-930. [*Polystichum munitum*]
761. Wellman, C. H. 2002. Morphology and wall ultrastructure in Devonian spores with bifurcate-tipped processes. *International Journal of Plant Sciences* 163: 451-474. [*Ancyrospora ancyrea*, *A. grandispinosa*]
762. Wikstrom, N., P. Kenrick & J. C. Vogel. 2002. Schizaeaceae: A phylogenetic approach. *Review of Palaeobotany & Palynology* 119: 35-50 (<http://www.elsevier.com/locate/revpalbo>).
763. Wilkinson, T. 2002. In vitro techniques for the conservation of *Hymenophyllum tunbrigense* (L.) SM. *Fern Gazette* 16: 458. [Abstract]
764. Willemse, M. & A. van Lammeren. 2002. Fertilization, from attraction to embryo. *Biologia (Bratislava)* 57: 13-22.
765. Wilson, K. A. 2002. Continued pteridophyte invasion of Hawaii. *American Fern Journal* 92: 179-183.
766. Windisch, P. G. 2002. Fern conservation in Brazil. *Fern Gazette* 16: 295-300.
767. Wiser, S. K., D. R. Drake, L. E. Burrows & W. R. Sykes. 2002. The potential for long-term persistence of forest fragments on Tongatapu, a large island in western Polynesia. *Journal of Biogeography* 29: 767-787 (<http://www.blackwell-science.com/~cgilib/jnlpage.asp-Journal=jbiog&File=jbiog>).
768. Wittig, R. 2002. Ferns in a new role as a frequent constituent of railway flora in Central Europe. *Flora (Jena)* 197: 341-350. [*Asplenium ceterach*, *A. ruta-muraria*, *A. scolopendrium*, *A. trichomanes*, *Cystopteris fragilis*, *Dryopteris carthusiana*, *D. filix-mas*, *Gymnocarpium dryopteris*, *Polypodium vulgare*]
769. Wolter, B. H. K. & R. W. Fonda. 2002. Gradient analysis of vegetation on the north wall of the Columbia River Gorge, Washington. *Northwest Science* 76: 61-76. [*Pteridium*, *Polystichum*]
770. Woods, S. S. 2002. Responses of ferns to overstory disturbance: effects of ice storm and timber harvest on four common fern species in hardwood forests of New York. State University of New York College of Environmental Sciences and Forestry, Syracuse. 65 pp.
771. Wu, S. F., X. G. Li & H. F. Zhao. 2002. Study on the pteridophyte of Wulingyuan from Hunan Province, China. *Bull. Bot. Res. (China)* 22: 380-384.
772. Xiang, Y., H. Wang & Y. Y. Wen. 2002. Studies on the chemical constituents of *Platyserium wallichii* Hook. *Journal of Tropical & Subtropical Botany* 10: 69-73.
773. Xiao, X. Q., H. Y. Zhang & X. C. Tang. 2002. Huperzine A attenuates amyloid beta-peptide fragment 25-35-induced apoptosis in rat cortical neurons via inhibiting reactive oxygen species formation and caspase-3 activation. *Journal of Neuroscience Research* 67: 30-36. [*Huperzia serrata*]
774. Yadav, B. L., M. K. Tripathi, K. L. Meena & P. Pareek. 2002. *Asplenium dalhousiae* Hook (Aspleniaceae) a new record for Rajasthan, India. *Indian Fern Journal* 19: 94-96.

775. Yamada, T. & M. Kato. 2002. *Regnellites nagashimae* gen. et sp. nov., the oldest macrofossil of Marsileaceae, from the Upper Jurassic to Lower Cretaceous of western Japan. *International Journal of Plant Sciences* 163: 715-723 (<http://www.journals.uchicago.edu/IJPS/journal/>).
776. Yan, Y. H., H. F. Chen, X. F. Wu & G. Z. Xie. 2002. Flora and vegetation in limestone area in Shimentai Nature Reserve, Guangdong. *Journal of Tropical & Subtropical Botany* 10: 348-355.
777. Yang, P., A. Alyokhin & R. Messing. 2002. Patterns of oviposition and parasitism of eggs of *Kallitaxila granulata* (Homoptera: Tropiduchidae), a newly invasive planthopper in Hawaii. *Proceedings of the Hawaiian Entomological Society* 35: 77-83. [*Dicranopteris linearis*]
778. Yarborough, S. C. & A. M. Powell. 2002. Ferns and fern allies of the Trans-Pecos and adjacent areas. Texas Tech University Press, Lubbock, Texas. 116 pp.
779. Yatabe, Y., D. Darnaedi & N. Murakami. 2002. Allozyme analysis of cryptic species in the *Asplenium nidus* complex from West Java, Indonesia. *Journal of Plant Research* 115: 483-490.
780. Yatabe, Y. & N. Murakami. 2002. New method to efficiently recognize cryptic species in homosporous ferns- Case study in bird-nest fern, *Asplenium nidus*. In *Botany 2002: Botany in the Curriculum*, 4-7 August. Abstracts. Botanical Society of America, Madison, Wisconsin ([www.2002.botanyconference.org](http://www.2002.botanyconference.org)). [Abstract]
781. Yatabe, Y., J. E. Watkins Jr., D. R. Farrar & N. Murakami. 2002. Genetic variation in populations of the morphologically and ecologically variable fern *Stegnogramma pozoi* subsp. *mollissima* (Thelypteridaceae) in Japan. *Journal of Plant Research* 115: 29-38.
782. Yelenevsky, A. G., V. I. Radygina, E. Y. Bogdanova & O. A. Isaeva. 2002. On some rare plants of Saratov province. *Byulleten' Moskovskogo Obshchestva Ispytatelei Prirody Otdel Biologicheskii* 107: 57. [*Botrychium lunaria*]
783. Yesilyurt, J. C. 2002. Threats to the fern flora of Brazil illustrated by the genus *Doryopteris* J.Sm. *Fern Gazette* 16: 459. [Abstract]
784. Yi, S. R. & Y. Huang. 2002. The resources of the wild preferential conservation plants in Chongqing. *Journal of Plant Resources & Environment* 11: 62-64.
785. Yin, F. J. & Z. F. Zhang. 2002. Middle Jurassic spore-pollen assemblages in northern Turpan Depression, Xinjiang, northwest China. *Acta Botanica Sinica* 44: 488-495.
786. Yokouchi, Y., M. Ikeda, Y. Inuzuka & T. Yukawa. 2002. Strong emission of methyl chloride from tropical plants. *Nature (London)* 416: 163-165 (<http://www.nature.com/nature/>). [*Angiopteris boninensis*, *A. lygodifolia*, *A. palmiformis*, *A. pruinosa*, *Cibotium barometz*, *Cyathea lepifera*, *C. ogurae*]
787. Yokoyama, H., M. Kiso & Y. Harazono. 2002. Effects of the shading ratio of greenhouse and soil moisture on the occurrence of Mottled Yellowing Syndrome on leather fern, and instructions for cultivation. *Journal of Agricultural Meteorology* 58: 195-206.
788. Yuan, S. Q., Y. M. Zhao & R. Feng. 2002. Structural identification of neohuperzine. *Yaoxue Xuebao* 37: 946-949. [*Huperzia serrata*]
789. Zaborske, R. R., R. N. Hauver, M. H. McClellan & T. A. Hanley. 2002. Understory vegetation development following commercial thinning in southeast Alaska: Preliminary results from the second-growth management area demonstration project 546. Pp. 74-82. In *General Technical Report, Pacific Northwest Research Station, USDA Forest Service*.
790. Zaluski, T. & I. Paszek. 2002. A locality of *Botrychium multifidum* (Ophioglossaceae) in the Gorzno-Lidzbark

Landscape Park. *Fragmenta Floristica et Geobotanica Series Polonica* 9: 385-387. [Polish]

791. Zamora, P. M. 2002. Geographical distribution and seasonality of Philippine cheilanthoid ferns. *Asia Life Sciences* 11: 109-125. [Cheilanthes agetae, C. anceps, C. belangeri, C. concolor, C. dilimanensis, C. dubia, C. javensis, C. mysurensis, C. tenuifolia, Doryopteris ludens]
792. Zaniwski, A. E., A. Lehmann & J. M. Overton. 2002. Predicting species spatial distributions using presence-only data: A case study of native New Zealand ferns. *Ecological Modelling* 157: 261-280.
793. Zenkteler, E. K. 2002. Ex situ breeding and reintroduction of *Osmunda regalis* L. in Poland. *Fern Gazette* 16: 371-376.
794. Zhang, S. Y. & S. Q. Zheng. 2002. Study on interspecific association of main shrub populations in *Alsophila spinulosa* community in Yongding County, Fujian. *Acta Botanica Yunnanica* 24: 17-22.
795. Zhang, W., Y. Cai, J. Su, K. Downum & L. Q. Ma. 2002. Total thiols, phosphorous and nitrogen in Brake fern. *Abstracts of Papers American Chemical Society* 223: ENVR 155. [Abstract; *Pteris vittata*]
796. Zhang, W., Y. Cai, C. Tu & L. Q. Ma. 2002. Arsenic speciation and distribution in an arsenic hyperaccumulating plant. *Science of the Total Environment* 300: 167-177. [*Pteris vittata*]
797. Zhang, X. C. 2002. (1531) Proposal to conserve the name *Cheilanthes dalhousiae* (Pteridaceae) with a conserved type. *Taxon* 51: 381-382.
798. Zhang, X. C., J. S. Jia & G. M. Zhang. 2002. Survey and evaluation of the natural resources of *Cibotium barometz* (L.) Smith in China, with reference to the implementation of the cites convention. *Fern Gazette* 16: 383-387.
799. Zhao, F. J., S. J. Dunham & S. P. McGrath. 2002. Arsenic hyperaccumulation by different fern species. *New Phytologist* 156: 27-31. [*Asplenium nidus*, *Davallia canarensis*, *Polypodium aureum*, *Polystichum tsussimense*, *Pteris cretica*, *P. longifolia*, *P. umbrosa*, *P. vittata*]
800. Zhao, H. & D. Wang. 2002. The species and distribution of the water vascular plants at the Han River Basin in Hanzhong, Shaanxi Province. *Xibei Zhiwu Xuebao* 22: 1445-1450.
801. Zhou, H. G., Y. L. Xie, H. Li, Q. Zhou, X. L. Zhang, Z. R. Wang & S. L. Zhou. 2002. Analysis of genetic diversity in *Pteris vittata* L. populations from Guangxi limestone areas. *Guihaia* 22: 67-70.
802. Zika, P. F., E. R. Alverson, W. H. Wagner & F. S. Wagner. 2002. *Botrychium hesperium* in the Wallowa Mountains of Oregon. *American Fern Journal* 92: 239-240.
803. Zotz, G. 2002. Vascular epiphytes in temperate forests. *Bauhinia* 16: 13-22. [*Polypodium vulgare*]