

NATURAL HISTORY MUSEUM SCIENCE DEPARTMENTS PUBLICATIONS 2008–2009

The list of publications gives Departmental staff and Associates in capitals

BOTANY DEPARTMENT PUBLICATIONS 2008–2009

A – Authored and edited peer reviewed professional books and monographs

JOHN, D.M. & Williamson, D.B. 2009. A practical guide to the desmids of the west of Ireland. Galway: Martin Ryan Institute/Otto Koeltz, Galway. 196 pp.

Peralta, I.E., Spooner, D.M. & KNAPP, S. 2008. Taxonomy of wild tomatoes and their relatives (*Solanum sections Lycopersicoides, Juglandifolia, Lycopersicon*; Solanaceae). *Systematic Botany Monographs*, **84**: 1-186.

THÜS, H. & Schultz, M. 2008. Freshwater Flora of Central Europe. *1st part: Lichens*. 239 pp. Spektrum, Heidelberg.

B – Other books and monographs (including popular works)

Child, T. & TITTLE, I. 2008. Current Marine and Coastal Issues for North East Kent in T. Child and I. TITTLE (eds) *Proceedings of the third North East Kent Coastal Conference, 9 November 2006 East Kent*. Natural England Research Reports.

KNAPP, S. & Wheeler, Q.D. 2009. *Letters to Linnaeus*. Linnean Society of London, London.

Neto, A., Wallenstein, F., Silva, T., Álvaro, N.V. & TITTLE, I. 2008. Guias costeiros dos Açores Santa Maria - Poças de maré. Azores coastal guides Tide pools. Secretaria Regional do Ambiente e do Mar & Câmara Municipal de Vila do Porto, Açores, Portugal.

Neto, A., Wallenstein, F., Silva, T., Álvaro, N.V. & TITTLE, I. 2008. Guias costeiros dos Açores Santa Maria - Zona entre marés. Azores coastal guides Intertidal. Secretaria Regional do Ambiente e do Mar & Câmara Municipal de Vila do Porto, Açores, Portugal.

Wallenstein, F.M., Neto, A.I., N.V., Á., I., T. & Azevedo, J.M.N. 2008. Guia definição de biótopos costeiros em Ilhas Oceânicas. Coastal biotope definition manual for oceanic islands. Secretaria Regional do Ambiente e do Mar, Horta, Açores, Portugal.

C – Peer reviewed articles in journals and edited volumes (includes accounts in Floras).

ANSELL, S.W., GRUNDMANN, M., RUSSELL, S.J., SCHNEIDER, H. & VOGEL, J.C. 2008. Genetic discontinuity, breeding-system change and population history of *Arabis alpina* in the Italian Peninsular and adjacent Alps. *Molecular Ecology*, **17**: 2245-2257.

- Atienza, V. & HAWKSWORTH, D.L.** 2008. *Lichenothelia renobalesiana* sp. nov. (Lichenotheliaceae), for a lichenicolous ascomycete confused with *Polycoccum opulentum* (Dacampiaceae). *Lichenologist*, **40**: 87-96.
- BRODIE, J., IRVINE, L.M., Neefus, C.D. & RUSSELL, S.J.** 2008. *Ulva umbilicalis* L. and *Porphyra umbilicalis* Kütz. (Rhodophyta, Bangiaceae): a molecular and morphological redescription of the species, with a typification update. *Taxon*, **57**: 1328-1331.
- BRODIE, J., MORTENSEN, A.M., Ramirez, M.E., RUSSELL, S.J. & RINKEL, B.** 2008. Making the links: towards a global taxonomy for the red algal genus *Porphyra* (Bangiales, Rhodophyta). *Journal of Applied Phycology*, **20**(5): 939-949.
- BROOKS, S.J., HERNANDEZ, L.M., Massaferrero, J., Spinelli, G. & PENN, M.** 2008. Capacity building for freshwater insects studies in northern Patagonia. Pp. 100-123. *VII Congreso Argentino de Entomología, workshop on Biodiversity of Patagonian Insects*. Libro de Conferencia, Argentina.
- BUTLER, R.J., BARRETT, P.M., KENRICK, P. & PENN, M.G.** 2009. Diversity patterns amongst dinosaurs and plants during the Cretaceous: implications for hypotheses of dinosaur/angiosperm co-evolution. *Journal of Evolutionary Biology*, **22**: 446-459.
- BUTLER, R.J., BARRETT, P.M., KENRICK, P. & PENN, M.G.** 2009. Testing co-evolutionary hypotheses over geological timescales: interactions between Mesozoic non-avian dinosaurs and cycads. *Biological Reviews*, **84**: 73-89.
- CARINE, M.A., HUMPHRIES, C.J., Guma, I.R., Reyes-Betancort, J.A. & Santos Guerra, A.** 2009. Areas and algorithms: evaluating numerical approaches for the delimitation of areas of endemism in the Canary Islands archipelago. *Journal of Biogeography*, **36**: 593-611.
- Carr, A., JONES, G.C. & COX, E.J.** 2008. An embedding, polishing and etching procedure for examining the 3-D structure of diatoms with SEM. *Cryptogamie Algologie*, **29**: 285-291.
- CARTER, L., Somerford, A. & Curtin, C.G.** 2008. Complex interactions between burning and grazing: Implications for invertebrate communities in a semi-arid grassland. Pp. 39 - 46 in C.G. Curtin (ed) *Emergent outcomes of the interplay of climate, fire, and grazing in a desert grassland*. *Desert Plants*. Vol.24. University of Arizona Press. 59pp.
- CHRISTENHUSZ, M.J.M.** 2008. Florula of Lime Cay, an account of the vascular flora on a small Jamaican islet. *Schlechtendalia*, **7**: 1-25.
- CHRISTENHUSZ, M.J.M.** 2008. Two new epitypes in *Danaea* (Marattiaceae, Pteridophyta) selected from historical collections in Paris. *Candollea*, **62**: 221-230.
- CHRISTENHUSZ, M.J.M., Schwartsburd, P.B. & Labiak, P.H.** 2009. *Hymenophyllum filmenofilicum* (Hymenophyllaceae; Pteridophyta): a new filmy fern from the sandstone formations of southern Brazil. *Kew Bulletin*, **64**: 175-178.
- CHRISTENHUSZ, M.J.M. & Toivonen, T.K.** 2008. Giants invading the tropics: the oriental vessel fern, *Angiopteris evecta* (Marattiaceae). *Biological Invasions*, **10**: 1215-1228.
- CHRISTENHUSZ, M.J.M., Tuomisto, H., Metzgar, J. & Pryer, K.M.** 2008. Evolutionary relationships within the Neotropical, eusporangiate fern genus *Danaea* (Marattiaceae). *Molecular Phylogenetics and Evolution*, **46**: 34-48.

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González-Miqueo, L., Unsworth, C. & PURVIS, O.W. 2008. Rare earth element patterns in lichens and other environmental samples. Pp. 396-399 in Z.-S. Chen, D.-Y. Lee and T.-S. Lin (eds) *Proceedings of the 14th International Conference on Heavy Metals in the Environment*. Department of Agricultural Chemistry, National Taiwan University, Taipei, Taiwan.

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HentscheL, J., Von Konrat, M.J., Pócs, T., Schaefer-Verwimp, A., Shaw, A.J., SCHNEIDER, H. & Heinrichs, J. 2009. Molecular insights into the phylogeny and subgeneric classification of *Frullania* Raddi (Frullaniaceae, Porellales). *Molecular Phylogenetics and Evolution*. Epub 2009 Jan 4.
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- Janssen, T., Bystrakova, N., Rakotondrainibe, F., Coomes, D., Labat, J.-N. & SCHNEIDER, H.** 2008. Neoendemism in Madagascan tree ferns results from recent, coincident diversification bursts. *Evolution*, **62**: 1876-1889.
- KNAPP, S.** 2008. Alfred Russel Wallace, conservation and sustainable development. Pp. 201-220 in C. Smith and G. Beccaloni (eds) *Natural Selection and Beyond: The Intellectual Legacy of Alfred Russel Wallace*. Oxford University Press, Oxford.
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D – Non-published reports, including consultancies

[This section contains 4 items.]

E – Other works: including book reviews, bibliographic work, encyclopaedia entries, magazine articles, published abstracts

BUTLER, R.J., BARRETT, P.M., KENRICK, P. & PENN, M.G. 2008. Testing co-evolutionary hypotheses over geological timescales: Interactions between Mesozoic non-avian dinosaurs and cycads. P. 98 in Z. Krempaská (ed) *6th Meeting of the European Association of Vertebrate Palaeontologists*. Spišská Nová Ves, The Museum of Spiš, Spišská Nová Ves, Slovak Republic.

Carr, A. & COX, E.J. 2008. An embedding and etching technique for examining the 3D structure of diatoms with SEM [abstract]. *The Phycologist*, **74**: 17.

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D – Non-published reports, including consultancies

None

E – Other works: including book reviews, bibliographic work, encyclopaedia entries, magazine articles, published abstracts

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