

Publications by Staff, Students and Research Associates at the Royal Botanic Garden Edinburgh 2013-14

A = Publications in peer-reviewed journals; **B** = Books, book chapters, edited books; **C** = Reports, commissioned work, abstracts, book reviews; **D** = Online resources and publications.

A list of the student theses that were submitted during the year is also included.

Abdoun, F., Gardner, M.F. & Griffiths, A. (2013) *Cupressus dupreziana*. *The IUCN Red List of Threatened Species*. Version 2014.2 www.iucnredlist.org (**C**)

Adhikari, B.; Pendry, C.A.; Watson, M.F.; Wood, J.R.I. (2013) An account of *Thunbergia* (Acanthaceae) in Nepal, with a description of the new species *T. nepalensis*. *Kew Bulletin*, **68**(4), 651-661 <http://dx.doi.org/http://dx.doi.org/10.1007/s12225-013-9481-x> (**A**)

Al Issai, G.; Knees, S.G.; Mackinder, B.A.; Davis, C. (2013) The phylogeny, morphology and taxonomy of *Acridocarpus* (Malpighiaceae) in the Arabian peninsula and Socotra. Poster presented at a meeting of the Royal Geographical Society (**C**)

Aragon, G.; Belinchon, R.; Martinez, I.; Prieto, M. (2013) Estimating epiphytic lichen richness by single families in Mediterranean forests. *Forest Ecology and Management*, **310**, 187-193 <http://dx.doi.org/10.1016/j.foreco.2013.08.012> (**A**)

Ardi, W.H.; Ardhaka, I.M.; Hughes, M.; Undaharta, N.K.E.; Girmansyah, D.; Hidayat, S. (2013) Two new species of *Begonia* (Begoniaceae) from Bali and Lombok. *Gardens' Bulletin (Singapore)*, **65**(2), 135-142 (**A**)

Argent, G. (2013) A new species of *Diplycosia*: *D. coii* Argent (Ericaceae) is described in honour of Leonardo Co. *Philippine Journal of Science*, **142**, 51-55 (**A**)

Argent, G. (2014) A contribution to the study of the genus *Diplycosia* (Ericaceae) in Sulawesi, Indonesia. *Edinburgh Journal of Botany*, **71**(1), 83-115 (**A**)

Atkins, H.J.; Bramley, G.L.C.; Clark, J.R. (2013) Current knowledge and future directions in the taxonomy of *Cyrtandra* (Gesneriaceae), with a new estimate of species number. *Selbyana*, **31**(2), 157-165 (**A**)

- Baines, R.A. (2013) Garden tips for May. *Scottish Field*, **110**(5), 95 (C)
- Baines, R.A. (2013) Tender rhododendrons. *Yearbook of the Scottish Rhododendron Society*, **15**, 50-53 (C)
- Banasiak, L.; [et al] (RBGE - Watson, M.F.) (2013) Dispersal patterns in space and time: a case study of Apiaceae subfamily Apioideae. *Journal of Biogeography*, 40(7), 1324-1335 <http://dx.doi.org/10.1111/jbi.12071> (A)
- Barber, S.; Galloway, L. (2013) *Expedition to Tanzania's Eastern Arc Mountains : targeted collecting of research-specific plants*. Report to COSTECH, October 2013 (C)
- Barber, S.; Galloway, L. (2013) Postcard from Tanzania. *Botanics*, **55**, 16 (C)
- Barnard, K. (2013) Planting for Scotland. *Botanics*, **55**, 10 (C)
- Bennett, H. (2013) 'Remarkable Trees': George Paxton late-Victorian amateur photographer. *Studies in Photography*, **2013**, 58-72 (C)
- Bergero, R; Qiu, S.; Forrest, A; Borthwick, H.; Charlesworth, D. (2013) Expansion of the pseudoautosomal region and ongoing recombination suppression in the *Silene latifolia* sex chromosomes. *Genetics*, **194**(3), 673-686 <http://dx.doi.org/10.1534/genetics.113.150755> (A)
- Bone, R.E.; Atkins, H.J. (2013) Four new species of *Cyrtandra* (Gesneriaceae) from the Latimojong Mountains, South Sulawesi. *Edinburgh Journal of Botany*, **70**(3), 455-468 <http://dx.doi.org/10.1017/S0960428613000152> (A)
- Breckle, S.-W.; Rafiqpoor, M.D.; Hedge, I.C. (2013) *Vascular plants of Afghanistan : an augmented checklist*. Scientia Bonnensis, Bonn. ISBN: 978-3-940766-64-9 (B)
- Brockington, S.; Dos Santos, P.; Glover, B.; Ronse De Craene, L.P. (2013) Androecial evolution in Caryophyllales in light of a paraphyletic Molluginaceae. *American Journal of Botany*, **100**(9), 1757-1778 <http://dx.doi.org/10.3732/ajb.1300083> (A)
- Bruneau, A. [et al] (RBGE - Kenicer, G.J., Mackinder, B., Pennington, R.T., Särkinen, T.) (2013) Legume phylogeny and classification in the 21st century: Progress, prospects and lessons for other species-rich clades. *Taxon*, **62**(2), 217-248 (A)
- Bueno, M.L. [et al] (RBGE - Ratter, J.A.) (2013) Influence of edaphic factors on the floristic composition of an area of cerrado in the Brazilian central-west. *Acta Botanica Brasilica*, **27**(2), 445-455 (A)
- Bushell, Paula (2013) When the Amazon rainforest came to Scotland. *Botanics*, **55**, 17 (C)

- Cailliau, A.; Long, D.G.; Price, M.J.; Perret, M. (2013) Phylogeny and systematic position of *Mesoptychia* (Lindb.) A. Evans. *Plant Systematics and Evolution*, **299**(7), 1243-1251 <http://dx.doi.org/10.1007/s00606-013-0792-z> (A)
- Campbell, K.C.St.E.; Gardner, M.F. (2013) *Podocarpus purdieanus*. *The IUCN Red List of Threatened Species*. Version 2014.2 www.iucnredlist.org (C)
- Cardenas, M.L.; Gosling, W.D.; Pennington, R.T.; Poole, I.; Sherlock, S.C.; Mothes, P. (2014) Forests of the tropical eastern Andean flank during the middle Pleistocene. *Palaeogeography Palaeoclimatology Palaeoecology*, **393**, 76-89 <http://dx.doi.org/10.1016/j.palaeo.2013.10.009> (A)
- Cardoso, D.; Pennington, R.T.; de Queiroz, L.P.; Boatwright, J.S.; Van Wyk, B.-E.; Wojciechowski, M.F.; Lavin, M. (2013) Reconstructing the deep-branching relationships of the papilionoid legumes. *South African Journal of Botany*, **89**, 58-75 <http://dx.doi.org/10.1016/j.sajb.2013.05.001> (A)
- Centre for Middle Eastern Plants (CMEP) (2013) *Plant Life of South West Asia 8. : Conference program, 1-5 July 2013, Royal Botanic Garden Edinburgh*
- Chamberlain, D.F. (2013) The Baili Rhododendron Reserve in NW Guizhou Province, China. *Yearbook of the Scottish Rhododendron Society*, **15**, 54-58 (C)
- Chamberlain, D.F. (2013) *Proposed Wind Farm Development (at Cala), adjacent to Carnwath Moss SSSI - Bryophyte Impact Assessment. 1-4* (C)
- Chen, W.-H.; Möller, M.; Shui, Y.-M.; Wang, H.; Yang, J.-B.; Li, G.-Y. (2014) Three new species of *Petrocodon* (Gesneriaceae), endemic to the limestone areas of Southwest China, and preliminary insights into the diversification patterns of the genus. *Systematic Botany*, **39**(1), 316-330. <http://dx.doi.org/10.1600/036364414X678189> (A)
- Chen, W.-H.; Wang, H.; Shui, Y.-M.; Möller, M.; Yu, Z.-Y. (2013) *Oreocharis jinpingensis* (Gesneriaceae), a new species from Yunnan, China. *Annales Botanici Fennici*, **50**(5), 312-316 (A)
- Christian, Tom (2014) Collecting in Japan. *Botanics*, **56**, 4-5 (C)
- Coppins, B.J. (2013) Literature pertaining to British lichens – 52. *British Lichen Society Bulletin*, **112**, 74-79 (C)
- Dalton, N.J.; Kungu, E.M.; Long, D.G. (2013) A taxonomic revision of Hedwigiaceae Schimp. from the Sino-Himalaya. *Journal of Bryology*, **35**, 96-111. <http://dx.doi.org/10.1179/1743282012Y.0000000043> (A)
- Darbyshire, I.; Tripp, E.A.; Dexter, K.G. (2013) A new species and a revised record in Namibian Barleria (Acanthaceae) (vol 67, pg 759, 2012). *Kew Bulletin*, **68**(1), 189. (A)
- De Villiers, M.J.; Pirie, M.D.; Hughes, M.; Möller, M.; Edwards, T.J.; Bellstedt, D.U. (2013) An approach to identify putative hybrids in the 'coalescent stochasticity zone', as exemplified in the African plant genus *Streptocarpus* (Gesneriaceae). *New Phytologist*, **198**(1), 284-300. <http://dx.doi.org/10.1111/nph.12133> (A)

- Droop, J. (2013) Etlingera of Sulawesi by AD Poulsen. *Edinburgh Journal of Botany*, **70**(3), 491-492. <http://dx.doi.org/10.1017/S096042861300019X> (C)
- Droop, J.; Kaewsri, W.; Lamxay, V.; Poulsen, A.D.; Newman, M. (2013) Identify and lectotypification of *Amomum compactum* and *Amomum kepulaga* (Zingiberaceae). *Taxon*, **62**(6), 1287-1294. <http://dx.doi.org/10.12705/626.8> (A)
- Dyer, A. (2013) A new hardy fern for the garden [*Ivenoidea wotitis* in the family Mysteriaceae]. *Pteridologist*, 5(6), 446. (A)
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- Eaton, S. (2013) iSpot - an online learning tool. *British Lichen Society Bulletin*, **112**, 63. (C)
- Edwards, I.D. (2013) Finding health in the Botanic Garden. *Botanics*, **55**, 8-9. (C)
- Elliott, Alan (2014) Primula at the Royal Botanic Garden Edinburgh. *Primroses*, **72**(1), 26-35. (C)
- Elliott, Alan; Mullany, Paul (2013) *Sabal bermudana* L.H. Bailey (the Sabal palm) - the oldest palm at the Royal Botanic Garden, Edinburgh. *Sibbaldia*, **11**, 61-70. (A)
- Ellis, C.J. (2013) A risk-based model of climate change threat: hazard, exposure, and vulnerability in the ecology of lichen epiphytes. *Botany*, **91**(1), 1-11 <http://dx.doi.org/10.1139/cjb-2012-0171> (A)
- Ellis, C.J. (2013) *Implications of climate change for UK bryophytes and lichens*. Available at: <http://www.lwec.org.uk/publications/terrestrial-biodiversity-climate-change-report-card/8-bryophytes-and-lichens> (C)
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- Farrar, J.; Ronse De Craene, L.P. (2013) To be or not to be a staminode: the floral development of *Sauvagesia* (ochnaceae) reveals different origins of presumed staminodes. In: Berntsen, T. & Alsvik, K. *Flowers, morphology, evolutionary diversification and implications for the environment*, p.89-103 (B)

- Favela, S.; Thomas, P. (2013) *Pinus pinceana*. *The IUCN Red List of Threatened Species*. Version 2014.2 www.iucnredlist.org (C)
- Filimban, F.Z.; Mackinder, B.; Knees, S.G.; Pennington, R.T. (2014) Studies in the flora of Arabia: XXX. A synopsis of the native and naturalised species of *Senna* (leguminosae: Caesalpinioideae) in the Arabian Peninsula. *Edinburgh Journal of Botany*, **71**(1), 117-132
<http://dx.doi.org/10.1017/S0960428613000334> (A)
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- Flagmeier, M.; Long, D.G.; Genney, D.R.; Hollingsworth, P.M.; Ross, L.C.; Woodin, S.J. (2013) Fifty years of vegetation change in oceanic-montane liverwort-rich heath in Scotland. *Plant Ecology & Diversity*, **7**(3), 457-470 <http://dx.doi.org/10.1080/17550874.2013.817487> (A)
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- Fortuna-Perez, A.; da Silva, M.J.; de Queiroz, L.P.; Lewis, G.; Simões, A.O.; de Azevedo Tozzi, A.; Särkinen, T.; de Souza, A.P. (2013) Phylogeny and biogeography of the genus *Zornia* (Leguminosae: Papilionoideae: Dalbergieae). *Taxon*, **62**(4), 723-732 <http://dx.doi.org/10.12705/624.35> (A)
- Frachon, N. (2013) Plant health protocols for the reintroduction of native plants. *Sibbaldia*, **11**, 53-60 (A)
- Fraser-Jenkins, C. R. (2013) Silver ferns of Bangladesh and the exclusion of reported *Aleuritopteris grisea* (Blanf.) Panigrahi (Pteridophyta, Pteridaceae). *Bangladesh Journal of Botany*, **42**(2), 195-206 (A)
- Fuentes-Utrilla, P.; Venturas, M.; Hollingsworth, P.M.; Squirrell, J.; Collada, C.; Stone, G.N.; Gil, L. (2014) Extending glacial refugia for a European tree: genetic markers show that Iberian populations of white elm are native relicts and not introductions. *Heredity*, **112**(2), 105-113
<http://dx.doi.org/10.1038/hdy.2013.81> (A)
- Gallant, Elinor (2013) Naturally inspired. *Botanics*, **55**, 12 (C)
- Garcia, C. A.; Sergio, C.; Vieira, C.; Hespanhol, H.; Stow, S.; Sim-Sim, M.; Long, D. (2013) An update on the distribution in mainland Portugal of bryophytes of the European Habitats Directive. *Journal of Bryology*, **35**, 306-309 <http://dx.doi.org/10.1179/1743282013Y.0000000071> (A)
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Gardner, M.F. (2013) *Cedrus libani*. *The IUCN Red List of Threatened Species*. Version 2014.2 www.iucnredlist.org (C)

Gardner, M.F. (2013) *Juniperus drupacea*. *The IUCN Red List of Threatened Species*. Version 2014.2 www.iucnredlist.org (C)

Gardner, M.F. (2013) *Pinus sylvestris*. *The IUCN Red List of Threatened Species*. Version 2014.2 www.iucnredlist.org (C)

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Gardner, M.F. (2013) *Podocarpus salignus*. *The IUCN Red List of Threatened Species*. Version 2014.2 www.iucnredlist.org (C)

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Gardner, M.F. (2013) *Prumnopitys harmsiana*. *The IUCN Red List of Threatened Species*. Version 2014.2 www.iucnredlist.org (C)

Gardner, M.F. (2013) *Prumnopitys montana*. *The IUCN Red List of Threatened Species*. Version 2014.2 www.iucnredlist.org (C)

Gardner, M.F. (2013) *Prumnopitys standleyi*. *The IUCN Red List of Threatened Species*. Version 2014.2 www.iucnredlist.org (C)

Gardner, M.F. (2013) *Retrophyllum piresii*. *The IUCN Red List of Threatened Species*. Version 2014.2 www.iucnredlist.org (C)

Gardner, M.F. (2013) *Saxegothea conspicua*. *The IUCN Red List of Threatened Species*. Version 2014.2 www.iucnredlist.org (C)

Gardner, M.F.; Campbell, K.C.St.E.; Smith, M.; Freid, H.; Graveson, R. (2013) *Juniperus barbadensis*. *The IUCN Red List of Threatened Species*. Version 2014.2 www.iucnredlist.org (C)

- Gardner, M.F.; Gonzalez Torres, L.R. (2013) *Podocarpus ekmanii*. *The IUCN Red List of Threatened Species*. Version 2014.2 www.iucnredlist.org (C)
- Gardner, M.F.; Hechenleitner, P. (2013) *Lepidothamnus fonkii*. *The IUCN Red List of Threatened Species*. Version 2014.2 www.iucnredlist.org (C)
- Gardner, M.F.; Knees, S.G. (2013) *Abies cilicica*. *The IUCN Red List of Threatened Species*. Version 2014.2 www.iucnredlist.org (C)
- Gardner, M.F.; Thomas, P. (2013) *Retrophyllum rospigliosii*. *The IUCN Red List of Threatened Species*. Version 2014.2 www.iucnredlist.org (C)
- Garn, T. (2013) Garden tips for June. *Scottish Field*, **110**(6), 127 (C)
- Gibby, M. (2013) Ferns and conservation [Retiring President's address]. *Bulletin of the British Pteridological Society*, **7**(6), 477-482 (C)
- Gonzalez Torres, L.R.; Adams, R.; Gardner, M.F. (2013) *Juniperus saxicola*. *The IUCN Red List of Threatened Species*. Version 2014.2 www.iucnredlist.org (C)
- González Torres, L.R.; Gardner, M.F. (2013) *Podocarpus angustifolius*. *The IUCN Red List of Threatened Species*. Version 2014.2 www.iucnredlist.org (C)
- Goodwin, Z. A.; Lopez, G.N.; Stuart, N.; Bridgewater, S.G.M.; Haston, E.M.; Cameron, I.D.; Michelakis, D.; Ratter, J.A.; Furley, P.A.; Kay, E.; Whitefoord, C.; Solomon, J.; Lloyd, A.J.; Harris, D.J. (2013) A checklist of the vascular plants of the lowland savannas of Belize, Central America. *Phytotaxa*, **101**(1), 1-119 <http://dx.doi.org/10.11646/phytotaxa.101.1.1> (A)
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- Knees, S.G. [et al] (2013) *Oman Mountain Project Final Report* (C)

Knees, S.G.; Gupta, A.K. (2013) *Paspalum scrobiculatum*. *The IUCN Red List of Threatened Species*. Version 2014.2 www.iucnredlist.org (C)

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