

Supplementary Material (Table S1 and List S1)

Table S1. Number (no.) and percentage (%) of selected publications per country and formulated question (Q).

	AU	SA	PT	GB	NZ	CH	AU SA	PT SP	EU	CH AU US SA	SL UK	SP US	GR	AU SA BR CN PN	AU US	AU SA UK US	AU ZI	AUS BR CH	SA FR NZ	AU NZ	AU SW	US	SP	FR	TOT
Q 1	67	7	3	6	0	3	3	0	0	1	1	1	1	1	1	0	0	1	0	1	1	0	0	0	98
Q 2	16	2	1	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	24
Q 3	2	39	6	0	1	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	54
Q 1,2	10	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Q 1,3	4	4	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	13
Q 1,2,3	2	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
TOT (no.)	101	53	12	9	6	3	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	207
%	48,8	25,6	5,8	4,4	2,9	1,5	1,9	1,0	1,0	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	100,0

AU Australia, SA South Africa, PT Portugal, GB Global, NZ New Zealand, CH Chile, SP Spain, EU Europe, US United States, GR Germany, CN China, ZI Zimbabwe, FR France, SW Swiss.

List S1. Full list of publications selected in the systematic literature search.

- Adair, R.J. Biological control of Australian native plants, in Australia, with an emphasis on Acacias. *Muelleria* **2008**, 26, 67–78. doi: 10.5962/p.292495
- Alvarez-Taboada, F.; Paredes, C.; Julián-Pelaz, J. Mapping of the invasive species *Hakea sericea* using Unmanned Aerial Vehicle (UAV) and Worldview-2 Imagery and an object-oriented approach. *Remote Sens.* **2017**, 9, 913. doi:10.3390/rs9090913
- Arnaud, A.; Chapman, D.; Le Roux, J.; Linnamagi, M.; Marchante, E.; Pasiecznik, N.; Pescott, O.; Singh, I.; Starfinger, U.; Vicente, J.; Tanner, R. *Hakea sericea* Schrad. & J.C.Wendl. *EPPO Bull.* **2019**, 49, 273–279, doi:10.1111/epp.12527
- Barker, W. R. Novelties and taxonomic notes relating to *Hakea* Sect. *Hakea* (Proteaceae), mainly of eastern Australia. *J. Adelaide Bot. Gard.* **1996**, 17, 177–209.
- Bell, D. T. Interaction of fire, temperature and light in the germination response of 16 Species from the *Eucalyptus marginata* forest of south-western. *Aust. J. Bot.* **1994**, 42, 501–509. doi:10.1071/BT9940501
- Bell, D.T. Ecological Response Syndromes in the flora of southwestern Western Australia: fire resprouters versus reseeders. *Bot. Rev.* **2001**, 67, 417–440. doi:10.1007/BF02857891
- Bell, D.T.; Van Der Moezel, P.G.; Delfs, J.C.; Loneragan, W.A. Northern sandplain Kwongan: Effect of fire on *Hakea obliqua* and *Beaufortia elegans* population structure. *J. - R. Soc. West. Aust.* **1987**, 69, 139–143
- Bell, D.T.; Vlahos, S.; Watson, L.E. Stimulation of seed-germination of understorey species of the Northern Jarrah Forest of Western-Australia. *Aust. J. Bot.* **1987**, 35, 593–599. doi:10.1071/BT9870593
- Bell, D.T.; Williams, D.S. Tolerance of Thermal Shock in Seeds. *Aust. J. Bot.* **1998**, 46, 221–233. doi:10.1071/bt97010
- Bradstock, R.A.; Gill, A.M.; Hastings, S.M.; Moore, P.H.R. Survival of serotinous seedbanks during bushfires: comparative studies of *Hakea* species from Southeastern Australia. *Aust. J. Ecol.* **1994**, 19, 276–282. doi:10.1111/j.1442-9993.1994.tb00490.x
- Breytenbach, G.J. Alien control: can we afford to slash and burn *Hakea* in Fynbos Ecosystems? *South African For. J.* **1989**, 151, 6–16. doi:10.1080/00382167.1989.9630499
- Brown, C.L.; Whelan, R.J. Seasonal occurrence of fire and availability of germinable seeds in *Hakea sericea* and *Petrophile sessilis*. *J. Ecol.* **1999**, 87, 932–941. doi:10.1046/j.1365-2745.1999.00401.x
- Brunel, S.; Schrader, G.; Brundu, G.; Fried, G. Emerging invasive alien plants for the Mediterranean basin. *EPPO Bull.* **2010**, 40, 219–238. doi:10.1111/j.1365-2338.2010.02378.x
- Canavan, K.; Canavan, S.; Clark, V.R.; Gwate, O.; Richardson, D.M.; Sutton, G.F.; Martin, G.D. The alien plants that threaten South Africa's mountain ecosystems. *Land* **2021**, 10, 1–19. doi:10.3390/land10121393
- Cardillo, M.; Weston, P.H.; Reynolds, Z.K.M.; Olde, P.M.; Mast, A.R.; Lemmon, E.M.; Lemmon, A.R.; Bromham, L. The phylogeny and biogeography of *Hakea* (Proteaceae) reveals the role of biome shifts in a continental plant radiation. *Evolution (N. Y.)* **2017**, 71, 1928–1943. doi:10.1111/evo.13276
- Causley, C.L.; Fowler, W.M.; Lamont, B.B.; He, T. Fitness benefits of serotiny in fire- and drought-prone environments. *Plant Ecol.* **2016**, 217, 773–779. doi:10.1007/s11258-015-0552-y
- Cheney, C.; van Wilgen, N.J.; Esler, K.J.; Foxcroft, L.C.; McGeoch, M.A. Quantifying range structure to inform management in invaded landscapes. *J. Appl. Ecol.* **2021**, 58, 338–349. doi:10.1111/1365-2664.13765
- Clarkson, B.R.; Smale, M.C.; Williams, P.A.; Wiser, S.K.; Buxton, R.P. Drainage, soil fertility and fire frequency determine composition and structure of gumland heaths in northern New Zealand. *N. Z. J. Ecol.* **2011**, 35, 96–113.
- Collins, L.; Boer, M.M.; de Dios, V.R.; Power, S.A.; Bendall, E.R.; Hasegawa, S.; Hueso, R.O.; Nevado, J.P.; Bradstock, R.A. Effects of competition and herbivory over woody seedling growth in a temperate woodland trump the effects of elevated CO₂. *Oecologia* **2018**, 187, 811–823. doi:10.1007/s00442-018-4143-1
- Cramer, M.D.; Midgley, J.J. Maintenance costs of serotiny do not explain weak serotiny. *Austral Ecol.* **2009**, 34, 653–662. doi:10.1111/j.1442-9993.2009.01971.x
- Daehler, C.C. Performance comparisons of co-occurring native and alien invasive plants: implications for conservation and restoration. *Annu. Rev. Ecol. Evol. Syst.* **2003**, 34, 183–211. doi:10.1146/annurev.ecolsys.34.011802.132403
- Delgado, M.; Zúñiga-Feest, A.; Alvear, M.; Borie, F. The effect of phosphorus on cluster-root formation and functioning of *Embothrium coccineum* (R. et J. Forst.). *Plant and soil* **2013**, 373, 765–773. doi: 10.1007/s11104-013-1829-3
- Delgado, M.; Suriyagoda, L.; Zúñiga-Feest, A.; Borie, F.; Lambers, H. Divergent functioning of Proteaceae species: the South American *Embothrium coccineum* displays a combination of adaptive traits to survive in high-phosphorus soils. *Funct. Ecol.* **2014**, 28, 1356–1366. doi:10.1111/1365-2435.12303
- Delgado, M.; Zúñiga-Feest, A.; Almonacid, L.; Lambers, H.; Borie, F. Cluster roots of *Embothrium coccineum* (Proteaceae) affect enzyme activities and phosphorus lability in rhizosphere soil. *Plant and soil*, **2015**, 395, 189–200. doi:10.1007/s11104-015-2547-9
- Dell, B.; Kuo, J.; Thomson, G.J. Development of proteoid roots in *Hakea obliqua* R. Br.(Proteaceae) grown in water culture. *Aust. J. Bot.* **1980**, 28, 27–37. doi:10.1071/BT9800027
- Dennill, G.B. The importance of technique in establishing biocontrol agents—the moth *Carposina autologa* on *Hakea sericea*. *Ann. Appl. Biol.* **1987**, 110, 163–168. doi: 10.1111/j.1744-7348.1987.tb03243.x
- Dennill, G.B.; Gordon, A.J.; Neser, S. Difficulties with the release and establishment of *Carposina autologa* Meyrick (Carposinidae) on the weed *Hakea sericea* (Proteaceae) in South Africa. *J. Entomol. Soc. South. Afr.* **1987**, 50, 463–468.

- Dettmann, M.E.; Clifford, H.T. Fossil fruit of the *Grevilleae* (Proteaceae) in the Tertiary of eastern Australia. *Memoirs of the Queensland Museum* **2005**, *51*, 359–374.
- Ding, J.; Travers, S.K.; Eldridge, D.J. Occurrence of Australian woody species is driven by soil moisture and available phosphorus across a climatic gradient. *J. Veg. Sci.* **2021**, *36*, e13095. doi: 10.1111/jvs.13095
- Dinnage, R.; Skeels, A.; Cardillo, M. Spatiophylogenetic modelling of extinction risk reveals evolutionary distinctiveness and brief flowering period as threats in a hotspot plant genus. *Proc. R. Soc. B: Biol.* **2020**, *287*, 20192817. doi:10.1098/rspb.2019.2817
- Ducatillion, C.; Badeau, V.; Bellanger, R.; Buchlin, S.; Diadema, K.; Gild, A.; Thevenet, J. Early detection of invasion risk by exotic plant species introduced in forest arboretum in south-eastern France. Emergence of species of the genus *Hakea*. Measures for management. *Revue d'Ecologie* **2015**, *70*, 139–150.
- Duncan, C.; Schultz, N.L.; Good, M.K.; Lewandowski, W.; Cook, S. The risk-takers and-avoiders: germination sensitivity to water stress in an arid zone with unpredictable rainfall. *AoB Plants*, **2019**, *11*, plz066. doi:10.1093/aobpla/plz066
- Dyer, C.; Richardson, D.M. Population genetics of the invasive Australian shrub *Hakea sericea* (Proteaceae) in South Africa. *S. Afr. J. Bot.* **1992**, *58*, 117–124. doi:10.1016/S0254-6299(16)30881-X
- El-Amhir, S.H.; Lamont, B.B.; He, T.; Yan, G. Small-seeded *Hakea* Species tolerate cotyledon loss better than large-seeded congeners. *Sci. Rep.* **2017**, *7*, 1–9. doi:10.1038/srep41520
- El-Amhir, S.H.M.; Lim, S.L.; Lamont, B.B.; He, T. Seed Size, Fecundity and Postfire Regeneration Strategy Are Interdependent in *Hakea*. *PLoS One* **2015**, *10*, 1–12. doi:10.1371/journal.pone.0129027
- Enright, N.J.; Goldblum, D. Demography of a non-sprouting and resprouting *Hakea* species (Proteaceae) in fire-prone *Eucalyptus* woodlands of southeastern Australia in relation to stand age, drought and disease. *Plant Ecol.* **1999**, *144*, 71–82. doi:10.1023/A:1009839800864
- Erckie, L.; Adedaja, O.; Geerts, S.; Van Wyk, E.; Boatwright, J. S. Impacts of an invasive alien Proteaceae on native plant species richness and vegetation structure. *S. Afr. J. Bot.* **2022**, *144*, 332–338. doi:10.1016/j.sajb.2021.09.017
- Esler, K.J.; van Wilgen, B.W.; te Roller, K.S.; Wood, A.R.; van der Merwe, J.H. A Landscape-scale assessment of the long-term integrated control of an invasive shrub in South Africa. *Biol. Invasions* **2010**, *12*, 211–218. doi:10.1007/s10530-009-9443-2
- Fischer, M.; Beismann, H. 3D Characterization of the complex vascular bundle system of *Hakea* Fruits based on X-Ray Microtomography (MCT) for a better understanding of the opening mechanism. *Flora Morphol. Distrib. Funct. Ecol. Plants* **2022**, *289*, 1–9. doi:10.1016/j.flora.2022.152035
- Forsyth, G.G.; Le Maitre, D.C.; O'Farrell, P.J.; van Wilgen, B.W. The prioritisation of invasive alien plant control projects using a multi-criteria decision model informed by stakeholder input and spatial data. *J. Environ. Manage.* **2012**, *103*, 51–57. doi:10.1016/j.jenvman.2012.01.034
- Fugler, S.R. Infestations of three Australian *Hakea* Species in South Africa and their control. *South African For. J.* **1982**, *120*, 63–68. doi:10.1080/00382167.1982.9630244
- Gordon, A. J.; Fourie, A. Biological control of *Hakea sericea* Schrad. & JC Wendl. and *Hakea gibbosa* (Sm.) Cav.(Proteaceae) in South Africa. *African Entomology*, **2011**, *19*, 303–314. doi:10.4001/003.019.0205
- Gordon, A.J. A Review of Established and new insect agents for the biological control of *Hakea sericea* Schrader (Proteaceae) in South Africa. *African Entomol. Mem.* **1999**, *1*, 35–43.
- Gordon, A.J. Biology and Host Range of the Stem-Boring Beetle *Aphanasium australe*, a promising agent for the biological control of *Hakea sericea* in South Africa. *BioControl* **2003**, *48*, 113–122. doi:10.1023/A:1021245017334
- Gordon, A.J. The impact of the *Hakea* seed-moth *Carposina autologa* (Carposinidae) on the canopy-stored seeds of the weed *Hakea sericea* (Proteaceae). *Agric. Ecosyst. Environ.* **1993**, *45*, 105–113. doi:10.1016/0167-8809(93)90062-T
- Gordon, A.J.; Lyons, C.L. Current status of *Carposina autologa* (Lepidoptera: Carposinidae), a biological control agent of silky *Hakea*, *Hakea Sericea* (Proteaceae) and rock *Hakea*, *Hakea gibbosa* (Proteaceae) in the Western Cape, South Africa. *African Entomol.* **2017**, *25*, 250–253. doi:10.4001/003.025.0250
- Groom, P.K. Implications of terminal velocity and wing loading on *Hakea* (Proteaceae) seed dispersal. *J. R. Soc. West. Aust.* **2010**, *93*, 175.
- Groom, P.; Lamont, B. Leaf morphology and life form influence water relations of *Hakea* species on different soil substrates within southwestern Australia. *Acta Oecol* **1995**, *16*, 609–620
- Groom, P.K.; Lamont, B.B. Ecogeographical analysis of *Hakea* (Proteaceae) in South-Western Australia, with special reference to leaf morphology and life form. *Aust. J. Bot.* **1996**, *44*, 527–542. doi:10.1071/BT9960527
- Groom, P.K.; Lamont, B.B. Fruit-Seed relations in *Hakea*: serotinous species invest more dry matter in predispersal seed protection. *Austral Ecol.* **1997**, *22*, 352–355. doi:10.1111/j.1442-9993.1997.tb00682.x
- Groom, P.K.; Lamont, B.B. Phosphorus accumulation in Proteaceae Seeds: a synthesis. *Plant Soil* **2010**, *334*, 61–72. doi:10.1007/s11104-009-0135-6
- Groom, P.K.; Lamont, B.B. Xerophytic implications of increased sclerophylly: interactions with water and light in *Hakea psilorrhyncha* seedlings. *New Phytol.* **1997**, *136*, 231–237. doi:10.1046/j.1469-8137.1997.00732.x
- Groom, P.K.; Lamont, B.B.; Markey, A.S. Influence of leaf type and plant age on leaf structure and sclerophylly in *Hakea* (Proteaceae). *Aust. J. Bot.* **1997**, *45*, 827–838. doi:10.1071/BT96115
- Guilherme Pereira, C.; Hayes, P.E.; Clode, P.L.; Lambers, H. Phosphorus Toxicity, not deficiency, explains the calcifuge habit of phosphorus-efficient Proteaceae. *Physiol. Plant.* **2021**, *172*, 1724–1738. doi:10.1111/pp.13384.

- Guilherme Pereira, C.; Hayes, P.E.; O'Sullivan, O.S.; Weerasinghe, L.K.; Clode, P.L.; Atkin, O.K.; Lambers, H. Trait convergence in photosynthetic nutrient-use efficiency along a 2-million year dune chronosequence in a global biodiversity hotspot. *J. Ecol.* **2019**, *107*, 2006–2023. doi:10.1111/1365-2745.13158
- Hammill, K.A.; Bradstock, R.A.; Allaway, W.G. Post-fire seed dispersal and species re-establishment in proteaceous heath. *Aust. J. Bot.* **1998**, *46*, 407–419
- Hayes, P.E.; Clode, P.L.; Oliveira, R.S.; Lambers, H. "Proteaceae from phosphorus-impovertished habitats preferentially allocate phosphorus to photosynthetic cells: An adaptation improving phosphorus-use efficiency." *Plant, Cell & Environ.* **2018**, *41*, 605–619. doi: 10.1111/pce.13124
- Hayes, P.E.; Nge, F.J.; Cramer, M.D.; Finnegan, P.M.; Fu, P.; Hopper, S.D.; Oliveira, R.S.; Turner, B.L.; Zemunik, G.; Zhong, H.; et al. Traits related to efficient acquisition and use of phosphorus promote diversification in Proteaceae in phosphorus-impovertished landscapes. *Plant Soil* **2021**, *462*, 67–88. doi:10.1007/s11104-021-04886-0
- Heelemann, S.; Proches, S.; Rebelo, A.G.; Van Wilgen, B.W.; Porembski, S.; Cowling, R.M. Fire season effects on the recruitment of non-sprouting serotinous Proteaceae in the eastern (bimodal rainfall) fynbos biome, South Africa. *Austral Ecol.* **2008**, *33*, 119–127. doi: 10.1111/j.1442-9993.2007.01797.x
- Hoang, S.A.; Lamb, D.; Sarkar, B.; Seshadri, B.; Kit Yu, R.M.; Anh Tran, T.K.; O'Connor, J.; Rinklebe, J.; Kirkham, M.B.; Vo, H.T.; Bohan, N.S. Phosphorus application enhances alkane hydroxylase gene abundance in the rhizosphere of wild plants grown in petroleum-hydrocarbon-contaminated Soil. *Environ. Res.* **2022**, *204*, 1–10. <https://doi.org/10.1016/j.envres.2021.111924>.
- Hoang, S.A.; Lamb, D.; Seshadri, B.; Sarkar, B.; Cheng, Y.; Wang, L.; Bolan, N.S. Petroleum hydrocarbon rhizoremediation and soil microbial activity improvement via cluster root formation by wild proteaceae plant species. *Chemosphere* **2021**, *275*,. doi:10.1016/j.chemosphere.2021.130135
- Holmes, P.M.; Marais, C. Impacts of alien plant clearance on vegetation in the mountain catchments of the Western Cape. *South African For. J.* **2000**, *189*, 113–117. doi:10.1080/10295925.2000.9631286
- James, K.; Bradshaw, K. Detecting plant species in the field with deep learning and drone technology. *Methods Ecol Evol.* **2020**, *11*, 1509–1519. doi:10.1111/2041-210X.13473
- Jeffrey, D.W. "Phosphate nutrition of Australian heath plants. II. The formation of polyphosphate by five heath species." *Aust. J. Bot.* **1968**, *16*, 603–613. doi: <http://doi.org/10.1071/BT968060>
- Johnston, P.R. Potential of fungi for the biological control of some New Zealand Weeds. *New Zeal. J. Agric. Res.* **1990**, *33*, 1–14. doi:10.1080/00288233.1990.10430655
- Jordan, G.J.; Carpenter, R.J.; Brodribb, T.J. Using fossil leaves as evidence for open vegetation. *Palaeogeogr. Palaeoclimatol. Palaeoecol.* **2014**, *395*, 168–175. doi:10.1016/j.palaeo.2013.12.035
- Kirkpatrick, J.; Gilfedder, L.; Duncan, F.; Wapstra, M. Frequent Planned fire can prevent succession to woody plant dominance in montane temperate grasslands. *Austral Ecol.* **2020**, *45*, 872–879. doi:10.1111/aec.12901
- Kluge, R.L.; Gordon, A.J. The Fixed plot survey method for determining the host range of the flowerbud-feeding weevil *dicomada rufa*, a candidate for the biological control of *Hakea sericea* in South Africa. *BioControl* **2004**, *49*, 341–355. doi:10.1023/B:BICO.0000025384.15189.38
- Kluge, R.L.; Marshall, C.R.; Siebert, M.W. Tebuthiuron as a selective herbicide for the control of *Hakea gibbosa* (Proteaceae) in Mountain Fynbos vegetation. *South African For. J.* **1987**, *140*, 35–38. doi:10.1080/00382167.1987.9630067
- Kluge, R.L.; Neser, S. Biological control of *Hakea sericea* (Proteaceae) in South Africa. *Agric. Ecosyst. Environ.* **1991**, *37*, 91–113. doi:10.1016/0167-8809(91)90141-J
- Kluge, R.L.; Siebert, M.W. *Erytenna Consputa pascoe* (Coleoptera: Curculionidae) as the main mortality factor of developing fruits of the weed, *Hakea sericea* Schrader, in South Africa. *J. Entomol. Soc. South. Afr.* **1985**, *48*, 241–245.
- Knox, K.J.; Morrison, D.A. Effects of inter-fire intervals on the reproductive output of resprouters and obligate seeders in the Proteaceae. *Austral Ecol.* **2005**, *30*, 407–413. doi:10.1111/j.1442-9993.2005.01482.x
- Knox, K.J.E.; Clarke, P.J. Fire season and intensity affect shrub recruitment in temperate sclerophyllous woodlands. *Oecologia* **2006**, *149*, 730–739. doi:10.1007/s00442-006-0480-6
- Knox, K.J.E.; Clarke, P.J. Response of resprouting shrubs to repeated fires in the dry sclerophyll forest of Gibraltar Range National Park. *Proc. Linn. Soc. New South Wales* **2006**, *127*, 49–56.
- Kotula, L.; Clode, P.L.; Ranathunge, K.; Lambers, H. Role of roots in adaptation of soil-indifferent Proteaceae to calcareous soils in south-western Australia. *J. Exp. Bot.* **2021**, *72*, 1490–1505. doi:10.1093/jxb/eraa515
- Kuo, J.; Hocking, P.J.; Pate, J.S. Nutrient reserves in seeds of selected proteaceous species from south-western Australia. *Aust. J. Bot.* **1982**, *30*, 231–249. doi: 10.1071/BT9820231
- Kuppusamy, T.; Giavalisco, P.; Arvidsson, S.; Sulpice, R.; Stitt, M.; Finnegan, P.M.; ... Jost, R. Lipid biosynthesis and protein concentration respond uniquely to phosphate supply during leaf development in highly phosphorus-efficient *Hakea prostrata*. *Plant Physiol.* **2014**, *166*, 1891–1911. doi:10.1104/pp.114.248930
- Kuppusamy, T.; Hahne, D.; Ranathunge, K.; Lambers, H.; Finnegan, P.M. Delayed greening in phosphorus-efficient *Hakea prostrata* (Proteaceae) is a photoprotective and nutrient-saving strategy. *Funct. Plant Biol.* **2020**, *48*, 218–230. doi:10.1071/FP19285

- Lambers, H.; Cawthray, G.R.; Giavalisco, P.; Kuo, J.; Laliberté, E.; Pearse, S.J.; Scheible, W.R.; Stitt, M.; Teste, F.; Turner, B.L. Proteaceae from severely phosphorus-impovertished soils extensively replace phospholipids with galactolipids and sulfolipids during leaf development to achieve a high photosynthetic phosphorus-use-efficiency. *New Phytol.* **2012**, *196*, 1098–1108. doi:10.1111/j.1469-8137.2012.04285.x
- Lambers, H.; Wright, I.J.; Guilherme Pereira, C.; Bellingham, P.J.; Bentley, L.P.; Boonman, A.; Cernusak, L.A.; Foulds, W.; Gleason, S.M.; Gray, E.F.; et al. Leaf manganese concentrations as a tool to assess belowground plant functioning in phosphorus-impovertished environments. *Plant Soil* **2021**, *461*, 43–61. doi:10.1007/s11104-020-04690-2
- Lamont, B. Factors affecting the distribution of proteoid roots within the root systems of two *Hakea* species. *Aust. J. Bot.* **1973**, *21*, 165–187. doi:10.1071/BT9730165
- Lamont, B. The Effect of soil nutrients on the production of proteoid roots by *Hakea* Species. *Aust. J. Bot.* **1972**, *20*, 27–40, doi:10.1071/BT9720027
- Lamont, B. The effects of seasonality and waterlogging on the root systems of a number of *Hakea* Species. *Aust. J. Bot.* **1976**, *24*, 691–702. doi:10.1071/BT9760691
- Lamont, B.B. Structure, Ecology and physiology of root clusters - a review. *Plant Soil* **2003**, *248*, 1–19. doi:10.1023/A:1022314613217
- Lamont, B.B.; Groom, P.K. Green cotyledons of two *Hakea* Species control seedling mass and morphology by supplying mineral nutrients rather than organic compounds. *New Phytol.* **2002**, *153*, 101–110. doi:10.1046/j.0028-646X.2001.00300.x
- Lamont, B.B.; Groom, P.K. Seed and Seedling biology of the woody-fruited Proteaceae. *Aust. J. Bot.* **1998**, *46*, 387–406. doi:10.1071/BT96135
- Lamont, B.B.; Groom, P.K.; Cowling, R.M. High leaf mass per area of related species assemblages may reflect low rainfall and carbon isotope discrimination rather than low phosphorus and nitrogen concentrations. *Funct. Ecol.* **2002**, *16*, 403–412. doi:10.1046/j.1365-2435.2002.00631.x
- Lamont, B.B.; Groom, P.K.; Richards, M.B.; Witkowski, E.T.F. Recovery of *Banksia* and *Hakea* communities after fire in mediterranean Australia - the role of species identity and functional attributes. *Divers. Distrib.* **1999**, *5*, 15–26. doi:10.1046/j.1472-4642.1999.00032.x
- Lamont, B.B.; Groom, P.K.; Williams, M.; He, T. LMA, density and thickness: recognizing different leaf shapes and correcting for their nonlaminarity. *New Phytol.* **2015**, *207*, 942–947. doi:10.1111/nph.13465
- Lamont, B.B.; Hanley, M.E.; Groom, P.K.; He, T. Bird pollinators, seed storage and cockatoo granivores explain large woody fruits as best seed defense in *Hakea*. *Perspect. Plant Ecol. Evol. Syst.* **2016**, *21*, 55–77. doi:10.1016/j.ppees.2016.05.002
- Lamont, B.B.; He, T.; Lim, S.L. *Hakea*, the world's most *Sclerophyllous* Genus, arose in Southwestern Australian Heathland and diversified throughout Australia over the past 12million years. *Aust. J. Bot.* **2016**, *64*, 77–88. doi:10.1071/BT15134
- Lamont, B.B.; He, T.; Yan, Z. Evolutionary history of fire-stimulated resprouting, flowering, seed release and germination. *Biol. Rev.* **2019**, *94*, 903–928. doi:10.1111/brv.12483
- Lamont, B.B.; Milberg, P. Removal of the testa during germination or establishment increases germinant mortality, decay and water loss. *Seed Sci. Res.* **1997**, *7*, 245–252. doi:10.1017/s0960258500003597
- Lamont, B.B.; Pausas, J.G.; He, T.; Witkowski, E.T.F.; Hanley, M.E. Fire as a selective agent for both serotiny and nonserotiny over space and time. *CRC. Crit. Rev. Plant Sci.* **2020**, *39*, 140–172. doi:10.1080/07352689.2020.1768465
- Lamont, B.B.; Pérez-Fernández, M.; Rodríguez-Sánchez, J. Soil bacteria hold the key to root cluster formation. *New Phytol.* **2015**, *206*, 1156–1162. doi: 10.1111/nph.13228
- Lamont, B.B.; Witkowski, E.T.F.; Enright, N.J. Post-fire litter microsites: safe for seeds, unsafe for seedlings. *Ecology*, **1993**, *74*, 501–512. doi:10.2307/1939311
- Le Maitre, D.C.; Krug, R.M.; Hoffmann, J.H.; Gordon, A.J.; Mgidi, T.N. *Hakea sericea*: Development of a model of the impacts of biological control on population dynamics and rates of spread of an invasive species. *Ecol. Modell.* **2008**, *212*, 342–358. doi:10.1016/j.ecolmodel.2007.11.011
- Le Maitre, D.C.; Thuiller, W.; Schonegevel, L. Developing an approach to defining the potential distributions of invasive plant species: a case study of *Hakea* Species in South Africa. *Glob. Ecol. Biogeogr.* **2008**, *17*, 569–584. doi:10.1111/j.1466-8238.2008.00407.x
- Le Maitre, D.C.; Van Wilgen, B.W.; Gelderblom, C.M.; Bailey, C.; Chapman, R.A.; Nel, J.A. Invasive alien trees and water resources in South Africa: case studies of the costs and benefits of management. *For. Ecol. Manage.* **2002**, *160*, 143–159. doi:10.1016/S0378-1127(01)00474-1
- López, R.; Cano, F.J.; Martin-StPaul, N.K.; Cochard, H.; Choat, B. Coordination of stem and leaf traits define different strategies to regulate water loss and tolerance ranges to aridity. *New Phytol.* **2021**, *230*, 497–509. doi:10.1111/nph.17185
- Lubbe, C.M.; Denman, S.; Cannon, P.F.; Groenewald, J.Z.; Lamprecht, S.C.; Crous, P.W. Characterization of *Colletotrichum* species associated with diseases of Proteaceae. *Mycologia* **2004**, *96*, 1268–1279. doi:10.1080/15572536.2005.11832877
- Lubbe, C.M.; Denman, S.; Lamprecht, S.C.; Crous, P.W. Pathogenicity of *Colletotrichum* species to *Protea* cultivars. *Australas. Plant Pathol.* **2006**, *35*, 37–41. doi:10.1071/AP05097
- Lux, A.; Kohanová, J.; White, P.J. The secrets of calcicole species revealed. *J. Exp. Bot.* **2021**, *72*, 968–970. doi:10.1093/jxb/eraa555
- Lyons, C. L., English, K. F., & Hoffmann, J. H. Research on the biological control of *Hakea sericea* over the past ten years: lessons informing future management of the species in the Western Cape province, South Africa. *Afr. Entomol.* **2021**, *29*, 768–774. doi: 10.4001/003.029.0768

- Lyons, C.L.; Tshibalanganda, M.; Plessis, A. Du using CT-Scanning technology to quantify damage of the stem-boring beetle, *Aphanasium australe*, a biocontrol agent of *Hakea sericea* in South Africa. *Biocontrol Sci. Technol.* **2020**, *30*, 33–41. doi:10.1080/09583157.2019.1682518
- Martins, J.; Richardson, D.M.; Henriques, R.; Marchante, E.; Marchante, H.; Alves, P.; Gaertner, M.; Honrado, J.P.; Vicente, J.R. A multi-scale modelling framework to guide management of plant invasions in a transboundary context. *For. Ecosyst.* **2016**, *3*, 1–14. <https://doi.org/10.1186/s40663-016-0073-8>.
- Mason, R.A.B.; Cooke, J.; Moles, A.T.; Leishman, M.R. Reproductive output of invasive versus native plants. *Glob. Ecol. Biogeogr.* **2008**, *17*, 633–640. doi:10.1111/j.1466-8238.2008.00402.x
- Máximo, P.; Ferreira, L.M.; Branco, P.S.; Lourenço, A. Invasive plants: turning enemies into value. *Molecules* **2020**, *25*. doi:10.3390/molecules25153529
- McLay, T.G.B.; Bayly, M.J.; Ladiges, P.Y. Is South-Western Western Australia a centre of origin for Eastern Australian taxa or is the Centre an artefact of a method of analysis? A comment on *Hakea* and its supposed divergence over the past 12 million years. *Aust. Syst. Bot.* **2016**, *29*, 87–94. doi: 10.1071/SB16024
- Meehan, M.; Keirsten-Wakefield, A.; Cowan, M.; Atkinson, J. Premature opening and dimorphism in '*Hakea decurrens*' (Proteaceae) follicles: A bet-hedging regeneration strategy?. *Vic. Nat.* **2015**, *132*, 139–146.
- Meijninger, W.M.L.; Jarmain, C. Satellite-based annual evaporation estimates of invasive alien plant species and native vegetation in South Africa. *Water S.A.* **2014**, *40*, 95–108. doi:10.4314/wsa.v40i1.12
- Midgley, J. What are the relative costs, limits and correlates of increased degree of serotiny?. *Austral Ecol.* **2000**, *25*, 65–68. doi:10.1046/j.1442-9993.2000.01011.x
- Midgley, J.J.; Cowling, R.M.; Lamont, B.B. Relationship of follicle size and seed size in *Hakea* (Proteaceae); isometry, allometry and adaptation. *South African J. Bot.* **1991**, *57*, 107–110. doi:10.1016/s0254-6299(16)30968-1
- Milberg, P.; Lamont, B.B. Seed/cotyledon size and nutrient content play a major role in early performance of species on nutrient-poor soils. *New Phytol.* **1997**, *137*, 665–672. doi:10.1046/j.1469-8137.1997.00870.x
- Milberg, P.; Pérez-Fernández, M.A.; Lamont, B.B. Seedling growth response to added nutrients depends on seed size in three woody genera. *J. Ecol.* **1998**, *86*, 624–632. doi:10.1046/j.1365-2745.1998.00283.x
- Miller, R.G.; Tangney, R.; Enright, N.J.; Fontaine, J.B.; Merritt, D.J.; Ooi, M.K.J.; Ruthrof, K.X.; Miller, B.P. Mechanisms of fire seasonality effects on plant populations. *Trends Ecol. Evol.* **2019**, *34*, 1104–1117. doi:10.1016/j.tree.2019.07.009
- Mitchell, D.T.; Allsopp, N. Changes in the phosphorus composition of seeds of *Hakea sericea* (Proteaceae) during germination under low phosphorus conditions. *New Phytologist* **1984**, *96*, 239–247. doi: 10.1111/j.1469-8137.1984.tb03560.x
- Moll, E.J.; Trinder-Smith, T. Invasion and control of alien woody plants on the Cape peninsula mountains South Africa - 30 Years On. *Biol. Conserv.* **1992**, *60*, 135–143. doi:10.1016/0006-3207(92)91164-N
- Moodley, D.; Geerts, S.; Rebelo, T.; Richardson, D.M.; Wilson, J.R.U. Site-specific conditions influence plant naturalization: the case of alien Proteaceae in South Africa. *Acta Oecologica* **2014**, *59*, 62–71. doi:10.1016/j.actao.2014.05.005
- Moodley, D.; Geerts, S.; Richardson, D.M.; Wilson, J.R.U. The importance of pollinators and autonomous self-fertilisation in the early stages of plant invasions: *Banksia* and *Hakea* (Proteaceae) as case studies. *Plant Biol.* **2016**, *18*, 124–131. doi:10.1111/plb.12334
- Morais, M.C.; Cabral, J.A.; Gonçalves, B. Seasonal variation in the leaf physiology of co-occurring invasive (*Hakea sericea*) and native (*Pinus pinaster*) woody species in a Mediterranean-Type Ecosystem. *For. Ecol. Manage.* **2021**, *480*, 118662. doi:10.1016/j.foreco.2020.118662
- Morais, M.C.; Gonçalves, B.; Cabral, J.A. A Dynamic modeling framework to evaluate the efficacy of control actions for a woody invasive plant, *Hakea sericea*. *Front. Ecol. Evol.* **2021**, *9*, 1–9. doi:10.3389/fevo.2021.641686
- Moran, V.C.; Hoffmann, J.H. Conservation of the Fynbos Biome in the Cape Floral Region: The role of biological control in the management of invasive alien trees. *BioControl* **2012**, *57*, 139–149. doi:10.1007/s10526-011-9403-5
- Morris, M.J. A method for controlling *Hakea sericea* Schrad. seedlings using the fungus *Colletotrichum gloeosporioides* (Penz.) Sacc. *Weed Res.* **1989**, *29*, 449–454. doi:10.1111/j.1365-3180.1989.tb01317.x
- Morris, M.J. The use of plant pathogens for biological weed control in South Africa. *Agric. Ecosyst. Environ.* **1991**, *37*, 239–255. doi:10.1016/0167-8809(91)90153-O
- Morris, M.J.; Wood, A.R.; Den Breëyen, A. Plant pathogens and biological control of weeds in South Africa: a review of projects and progress during the last decade. *African Entomol.* **1999**, 129–137.
- Morrison, D.A.; Renwick, J.A. Effects of variation in fire intensity on regeneration of co-occurring species of small trees in the Sydney Region. *Aust. J. Bot.* **2000**, *48*, 71–79. doi:10.1071/BT98054
- Muler, A.L.; Oliveira, R.S.; Lambers, H.; Veneklaas, E.J. Does cluster-root activity benefit nutrient uptake and growth of co-existing species?. *Oecologia*, **2014**, *174*, 23–31. doi:10.1007/s00442-013-2747-z
- Nolan, R.H.; Fairweather, K.A.; Tarin, T.; Santini, N.S.; Cleverly, J.; Faux, R.; Eamus, D. Divergence in plant water-use strategies in semiarid woody species. *Funct. Plant Biol.* **2017**, *44*, 1134–1146. doi:10.1071/FP17079
- Nunes, L.J.R.; Rodrigues, A.M.; Loureiro, L.M.E.F.; Sá, L.C.R.; Matias, J.C.O. Energy recovery from invasive species: creation of value chains to promote control and eradication. *Recycling* **2021**, *6*, 21. doi:10.3390/recycling6010021
- Olde, P. The Hakeinae in horticulture. *Acta Hort.* **2015**, 1097. doi:10.17660/ActaHortic.2015.1097.18
- Oyanoghafo, O.O.; O'Brien, C.; Choat, B.; Tissue, D.; Rymer, P.D. Vulnerability to xylem cavitation of *Hakea* Species (Proteaceae) from a range of biomes and life histories predicted by climatic niche. *Ann. Bot.* **2021**, *127*, 909–918. doi:10.1093/aob/mcab020

- Paungfoo-Lonhienne, C.; Lonhienne, T.G.A.; Rentsch, D.; Robinson, N.; Christie, M.; Webb, R.I.; Gamage, H.K.; Carroll, B.J.; Schenk, P.M.; Schmidt, S. Plants can use protein as a nitrogen source without assistance from other organisms. *Proc. Natl. Acad. Sci. U. S. A.* **2008**, *105*, 4524–4529. doi:10.1073/pnas.0712078105
- Paungfoo-Lonhienne, C.; Schenk, P.M.; Lonhienne, T.G.; Brackin, R.; Meier, S.; Rentsch, D.; Schmidt, S. Nitrogen affects cluster root formation and expression of putative peptide transporters. *J. Exp. Bot.* **2009**, *60*, 2665–2676.
- Pearce, C.A.; Reddell, P.; Hyde, K.D. Revision of the Phyllachoraceae (Ascomycota) on hosts in the angiosperm family, Proteaceae. *Aust. Syst. Bot.* **2001**, *14*, 283–328. doi:10.1071/SB00006
- Penman, T.D.; Penman, S.H. Influence of Prescribed burning on fruit production in Proteaceae. *Pacific Conserv. Biol.* **2010**, *16*, 46–53. doi:10.1071/pc100046
- Pepo, C.; Forte, P.; Teixeira, G.; Monteiro, A. Gestão das invasoras lenhosas "Hakea salicifolia" e "Hakea sericea". In Proceedings of the XII Congr. da SEMh/XIX Congr. da ALAM/II Congr. da IBCM, Lisboa (2009).
- Pepo, C.; Monteiro, A.; Forte, P.; Teixeira, G. Biologia da germinação das invasoras *Hakea salicifolia* e *H. sericeae*. In Proceedings of the XII Congresso da SEMh/XIX Congresso da ALAM/II Congresso da IBCM, Lisbon, Portugal, 10 November 2009.
- Perry, G.L.W.; Wilmshurst, J.M.; McGlone, M.S. Ecology and Long-term history of fire in New Zealand. *N. Z. J. Ecol.* **2014**, *38*, 157–176.
- Pickard, J.O.H.N.; Jacobs, S.W.L. *Vegetation Patterns on the Sassafras Plateau*; Australian and New Zealand Geomorphology Group: Wollongong, Australia, 1983; pp. 54–65.
- Poot, P.; Lambers, H. Are Trade-Offs in allocation pattern and root morphology related to species abundance? a congeneric comparison between rare and common species in the South-Western Australian Flora. *J. Ecol.* **2003**, *91*, 58–67. doi:10.1046/j.1365-2745.2003.00738.x
- Poot, P.; Lambers, H. Growth responses to waterlogging and drainage of woody *Hakea* (Proteaceae) seedlings, originating from contrasting habitats in South-Western Australia. *Plant Soil* **2003**, *253*, 57–70. doi:10.1023/A:1024540621942
- Prodhon, M.A.; Jost, R.; Watanabe, M.; Hoefgen, R.; Lambers, H.; Finnegan, P.M. Tight Control of Nitrate Acquisition in a Plant Species That Evolved in an Extremely Phosphorus-Impoverished Environment. *Plant Cell Environ.* **2016**, *39*, 2754–2761. doi:10.1111/pce.12853
- Prodhon, M.A.; Jost, R.; Watanabe, M.; Hoefgen, R.; Lambers, H.; Finnegan, P.M. Tight control of sulfur assimilation: An adaptive mechanism for a plant from a severely phosphorus-impooverished habitat. *New Phytol.* **2017**, *215*, 1068–1079, doi:10.1111/nph.14640
- Queirós, C.S.G.P.; Cardoso, S.; Ferreira, J.; Miranda, I.; Lourenço, M.J. V.; Pereira, H. Characterization of *Hakea sericea* Fruits Regarding Chemical Composition and Extract Properties. *Waste and Biomass Valorization* **2020**, *11*, 4859–4870. doi:10.1007/s12649-019-00818-3
- Rafferty, C.; Lamont, B.B.; Hanley, M.E. Selective feeding by Kangaroos (*Macropus fuliginosus*) on seedlings of *Hakea* Species: effects of chemical and physical defences. *Plant Ecol.* **2005**, *177*, 201–208. doi:10.1007/s11258-005-2362-0
- Rafferty, C.M.; Lamont, B.B.; Hanley, M.E. Herbivore feeding preferences in captive and wild populations. *Austral Ecol.* **2010**, *35*, 257–263. doi:10.1111/j.1442-9993.2009.02031.x
- Rathé, A.A.; Pilkington, L.J.; Gurr, G.M.; Daugherty, M.P. Potential for persistence and within-plant movement of *Xylella fastidiosa* in Australian native plants. *Australas. Plant Pathol.* **2012**, *41*, 405–412. doi:10.1007/s13313-011-0116-0
- Richards, M.B.; Groom, P.K.; Lamont, B.B. A Trade-off between Fecundity and drought susceptibility in adults and seedlings of *Hakea* Species as influenced by leaf morphology. *Aust. J. Bot.* **1997**, *45*, 301–309. doi:10.1071/BT96012
- Richards, M.B.; Lamont, B.B. Post-Fire mortality and water relations of three congeneric shrub species under extreme water stress - a trade-off with fecundity? *Oecologia* **1996**, *107*, 53–60. doi:10.1007/BF00582234
- Richardson, D.M. A Cartographic analysis of physiographic factors influencing the distribution of *Hakea* Spp in the South Western Cape. *South African For. J.* **1984**, *128*, 36–40. doi:10.1080/00382167.1984.9628925
- Richardson, D.M.; Manders, P.T. Predicting Pathogen-induced Mortality in *Hakea sericea* (Proteaceae), an Aggressive Alien Plant Invader in South Africa. *Ann. Appl. Biol.* **1985**, *106*, 243–254. doi:10.1111/j.1744-7348.1985.tb03114.x
- Richardson, D.M.; Rejmánek, M. Trees and shrubs as invasive alien species - a global review. *Divers. Distrib.* **2011**, *17*, 788–809. doi:10.1111/j.1472-4642.2011.00782.x
- Richardson, D.M.; Van Wilgen, B.W. Factors affecting the regeneration success of *Hakea sericea*. *South African For. J.* **1984**, *131*, 63–68. doi:10.1080/00382167.1984.9629532
- Richardson, D.M.; Van Wilgen, B.W. The Effects of fire in felled *Hakea sericea* and Natural Fynbos implications for weed control in Mountain Catchments. *South African For. J.* **1986**, *139*, 4–14. doi:10.1080/00382167.1986.9630051
- Richardson, D.M.; Van Wilgen, B.W.; Mitchell, D.T. Aspects of the reproductive ecology of four Australian *Hakea* Species (Proteaceae) in South Africa. *Oecologia* **1987**, *71*, 345–354. doi:10.1007/BF00378706
- Roelofs, R.F.R.; Rengel, Z.; Cawthray, G.R.; Dixon, K.W.; Lambers, H. Exudation of carboxylates in Australian Proteaceae: chemical composition. *Plant, Cell & Environ.* **2001**, *24*, 891–904. doi:10.1046/j.1365-3040.2001.00741.x
- Sampson, J.F.; Byrne, M.; Gibson, N.; Yates, C. Limiting inbreeding in disjunct and isolated populations of a woody shrub. *Ecol. Evol.* **2016**, *6*, 5867–5880. doi:10.1002/ece3.2322
- Santini, N.S.; Cleverly, J.; Faux, R.; Lestrangle, C.; Rumman, R.; Eamus, D. Xylem traits and water-use efficiency of woody species co-occurring in the Ti Tree Basin Arid Zone. *Trees - Struct. Funct.* **2016**, *30*, 295–303. doi:10.1007/s00468-015-1301-5

- Santini, N.S.; Cleverly, J.; Faux, R.; McBean, K.; Nolan, R.; Eamus, D. Root xylem characteristics and hydraulic strategies of species co-occurring in semi-arid Australia. *IAWA J.* **2018**, *39*, 43–62.
- Sañudo, Í.P. Aportaciones a la flora del sur de Galicia (NO España). *Bot. Complut.* **2006**, *30*, 113–116.
- Schmidt, S.; Mason, M.; Sangtewan, T.; Stewart, G.R. Do cluster roots of *Hakea* actities (Proteaceae) acquire complex organic nitrogen?. *Plant Soil* **2003**, *248*, 157–165. doi:10.1023/A:1022352415728
- Schmidt, S.; Stewart, G.R. Glycine metabolism by plant roots and its occurrence in Australian plant communities. *Funct. Plant Biol.* **1999**, *26*, 253–264. doi:10.1071/PP98116
- Schmidt, S.; Stewart, G.R. Waterlogging and Fire Impacts on Nitrogen Availability and utilization in a Subtropical Wet Heathland (Wallum). *Plant, Cell Environ.* **1997**, *20*, 1231–1241. doi:10.1046/j.1365-3040.1997.d01-20.x
- Schütte, K.H. *Hakea* Eradication by means of new herbicides. *J. South African For. Assoc.* **1953**, *23*, 30–36. doi:10.1080/03759873.1953.9630722
- Shane, M.W.; Cramer, M.D.; Funayama-Noguchi, S.; Cawthray, G.R.; Millar, A.H.; Day, D.A.; Lambers, H. Developmental physiology of cluster-root carboxylate synthesis and exudation in harsh *Hakea*. *Plant Physiol.* **2004**, *135*, 549–560. doi:10.1104/pp.103.035659
- Shane, M.W.; De Vos, M.; De Roock, S.; Cawthray, G.R.; Lambers, H. Effects of external phosphorus supply on internal phosphorus concentration and the initiation, growth and exudation of cluster roots in *Hakea prostrata* R.Br. *Plant Soil* **2003**, *248*, 209–219. doi:10.1023/A:1022320416038
- Shane, M.W.; Lambers, H. Cluster Roots: A Curiosity in Context. *Plant Soil* **2005**, *274*, 101–125. doi:10.1007/s11104-004-2725-7
- Shane, M.W.; Lambers, H. Manganese accumulation in leaves of *Hakea prostrata* (Proteaceae) and the significance of cluster roots for micronutrient uptake as dependent on phosphorus supply. *Physiol. Plant.* **2005**, *124*, 441–450. doi:10.1111/j.1399-3054.2005.00527.x
- Shane, M.W.; McCully, M.E.; Lambers, H. Tissue and cellular phosphorus storage during development of phosphorus toxicity in *Hakea prostrata* (Proteaceae). *J. Exp. Bot.* **2004**, *55*, 1033–1044. doi:10.1093/jxb/erh111
- Shane, M.W.; Stigter, K.; Fedosejevs, E.T.; Plaxton, W.C. Senescence-inducible cell wall and intracellular purple acid phosphatases: implications for phosphorus remobilization in *Hakea prostrata* (Proteaceae) and *Arabidopsis thaliana* (Brassicaceae). *J. Exp. Bot.* **2014**, *65*, 6097–6106. doi:10.1093/jxb/eru348
- Shane, M.W.; Szota, C.; Lambers, H. A root trait accounting for the extreme phosphorus sensitivity of *Hakea prostrata* (Proteaceae). *Plant, Cell & Environ.* **2004**, *27*, 991–1004. doi:10.1111/j.1365-3040.2004.01204.x
- Silva, J.S.; Deus, E.; Nereu, M.; Davim, D.; Rossa, C. Aliens & Flames: A new research initiative joining fire behaviour and invasion ecology. In *Advances in Forest Fire Research*, Imprensa da Universidade de Coimbra: Coimbra, Portugal, 2018; Volume 1, pp. 1219–1222. <https://doi.org/10.14195/978-989-26-16-506>.
- Silva, J.S.; Nereu, M.; Queirós, L.; Deus, E.; Fernandes, P. Fire hazard and plant invasions – the cases of *Hakea Sericea* and *Acacia dealbata* in Portugal. In Proceedings of the 15th Conference on Ecology and Management of Alien Plant invasions, Prague, Czech Republic, September of 2019.
- Skeels, A.; Cardillo, M. Environmental niche conservatism explains the accumulation of species richness in Mediterranean-hotspot plant genera. *Evolution*, **2017**, *71*, 582–594. doi:10.1111/evo.13179
- Skeels, A.; Cardillo, M. Equilibrium and Non-Equilibrium Phases in the Radiation of *Hakea* and the drivers of diversity in Mediterranean-type ecosystems. *Evolution (N. Y)* **2019**, *73*, 1392–1410. doi:10.1111/evo.13769
- Skeels, A.; Dinnage, R.; Medina, I.; Cardillo, M. Ecological interactions shape the evolution of flower color in communities across a temperate biodiversity hotspot. *Evol. Lett.* **2021**, *5*, 277–289. doi:10.1002/evl3.225
- Smith, L.; Gordon, A.J. A need for an additional biological control agent on *Hakea sericea* Schrad. & J.C. Wendl. (Proteaceae) in South Africa. *Afr. Entomol.* **2009**, *17*, 200–206. doi:10.4001/003.017.0210
- Sousa, M.F.; Façanha, A.R.; Tavares, R.M.; Lino-Neto, T.; Gerós, H. Phosphate Transport by Proteoid Roots of *Hakea Sericea*. *Plant Sci.* **2007**, *173*, 550–558. doi:10.1016/j.plantsci.2007.08.006
- Sousa, M.F.; Tavares, R.M.; Gerós, H.; Lino-Neto, T. First report of *Hakea sericea* leaf infection caused by *Pestalotiopsis funerea* in Portugal. *Plant Pathol.* **2004**, *53*, 535. doi:10.1111/j.1365-3059.2004.01042.x
- Standish, R.J.; Alborno, F.E.; Morald, T.K.; Hobbs, R.J.; Tibbett, M. Mycorrhizal symbiosis and phosphorus supply determine interactions among plants with contrasting nutrient-acquisition strategies. *J. Ecol.* **2021**, *109*, 3892–3902. doi:10.1111/1365-2745.13766
- Standish, R.J.; Stokes, B.A.; Tibbett, M.; Hobbs, R.J. Seedling response to phosphate addition and inoculation with arbuscular mycorrhizas and the implications for old-field restoration in Western Australia. *Environ. Exp. Bot.* **2007**, *61*, 58–65. doi:10.1016/j.envexpbot.2007.03.004
- Stock, W.D.; Pate, J.S.; Delfs, J. Influence of seed size and quality on seedling development under low nutrient conditions in five Australian and South African members of the Proteaceae. *J. Ecol.* **1990**, *78*, 1005. doi:10.2307/2260949
- Stock, W.D.; Verboom, G.A. Phylogenetic ecology of foliar N and P concentrations and N:P Ratios across Mediterranean-Type ecosystems. *Glob. Ecol. Biogeogr.* **2012**, *21*, 1147–1156. doi:10.1111/j.1466-8238.2011.00752.x
- Sulpice, R.; Ishihara, H.; Schlereth, A.; Cawthray, G.R.; Encke, B.; Giavalisco, P.; Ivakov, A.; Arrivault, S.; Jost, R.; Krohn, N.; et al. Low levels of ribosomal RNA partly account for the very high photosynthetic phosphorus-use efficiency of Proteaceae species. *Plant, Cell Environ.* **2014**, *37*, 1276–1298. doi:10.1111/pce.12240

- Tanner, R.; Branquart, E.; Brundu, G.; Buholzer, S.; Chapman, D.; Ehret, P.; Fried, G.; Starfinger, U.; van Valkenburg, J. The prioritisation of a short list of alien plants for risk analysis within the framework of the Regulation (EU) No. 1143/2014. *NeoBiota* **2017**, *35*, 87–118. doi:10.3897/neobiota.35.12366
- Tasker, E.M.; Denham, A.J.; Taylor, J.E.; Strevens, T.C. Post-fire seed predation: Does distance to unburnt vegetation matter?. *Austral Ecol.* **2011**, *36*, 755–766. doi:10.1111/j.1442-9993.2010.02214.x
- Teixeira, G.; Monteiro, A.; Pepo, C. Leaf morphoanatomy in *Hakea sericea* and *H. salicifolia*. *Microsc. Microanal.* **2008**, *14*, 109–110. doi:10.1017/S1431927608089563
- Tonnabel, J.; Van Dooren, T.J.M.; Midgley, J.; Haccou, P.; Mignot, A.; Ronce, O.; Olivieri, I. Optimal resource allocation in a serotinous non-resprouting plant species under different fire regimes. *J. Ecol.* **2012**, *100*, 1464–1474. doi:10.1111/j.1365-2745.2012.02023.x
- Van Der Weide, R.Y.; Bleeker, P.O.; Achten, V.T.J.M.; Lotz, L.A.P.; Fogelberg, F.; Melander, B. Innovation in mechanical weed control in crop rows. *Weed Res.* **2008**, *48*, 215–224. doi:10.1111/j.1365-3180.2008.00629.x
- Van Rensburg, J.; Van Wilgen, B.W.; Richardson, D.M. Reconstructing the spread of invasive alien plants on privately-owned land in the Cape floristic region: Vergelegen Wine Estate as a Case Study. *South African Geogr. J.* **2018**, *100*, 180–195. doi:10.1080/03736245.2017.1340187
- Van Wilgen, B., Richardson, D.M. The effects of alien shrub invasions on vegetation structure and fire behaviour in South African Fynbos Shrublands : a simulation study. *J. Appl. Ecol.* **1985**, *22*, 955–966.
- Van Wilgen, B.W.; Fill, J.M.; Baard, J.; Cheney, C.; Forsyth, A.T.; Kraaij, T. Historical costs and projected future scenarios for the management of invasive alien plants in protected areas in the Cape floristic region. *Biol. Conserv.* **2016**, *200*, 168–177. doi:10.1016/j.biocon.2016.06.008
- Van Wilgen, B.W.; Forsyth, G.G.; Le Maitre, D.C.; Wannenburgh, A.; Kotzé, J.D.F.; van den Berg, E.; Henderson, L. An Assessment of the effectiveness of a large, national-scale invasive alien plant control strategy in South Africa. *Biol. Conserv.* **2012**, *148*, 28–38. doi:10.1016/j.biocon.2011.12.035
- Van Wilgen, B.W.; Reyers, B.; Le Maitre, D.C.; Richardson, D.M.; Schonegevel, L. A biome-scale assessment of the impact of invasive alien plants on ecosystem services in South Africa. *J. Environ. Manage.* **2008**, *89*, 336–349. doi:10.1016/j.jenvman.2007.06.015
- Warren, C.R.; Adams, M.A. Capillary electrophoresis for the determination of major amino acids and sugars in foliage: application to the nitrogen nutrition of *Sclerophyllous* species. *J. Exp. Bot.* **2000**, *51*, 1147–1157. doi:10.1093/jexbot/51.347.1147
- Wells, M.J. Introduced plants of the fynbos biome. In *Biogeography of Mediterranean Invasions*; Cambridge University Press: Cambridge, United Kingdom, 1991; pp. 115–129.
- Whelan, R.J.; York, J. Post-fire germination of *Hakea sericea* and *Petrophile sessilis* after spring burning. *Aust. J. Bot.* **1998**, *46*, 367–376. doi:10.1071/BT97075
- Whitworth-Hulse, J.I.; Magliano, P.N.; Zeballos, S.R.; Aguiar, S.; Baldi, G. Global patterns of rainfall partitioning by invasive woody plants. *Glob. Ecol. Biogeogr.* **2021**, *30*, 235–246. doi:10.1111/geb.13218
- Williams, P.A. *Hakea Salicifolia*: Biology and role in succession in Abel Tasman National Park, New Zealand. *J. R. Soc. New Zeal.* **1992**, *22*, 1–18. doi:10.1080/03036758.1992.10420814
- Williams, P.A. *Hakea sericea*: seed production and role in succession in Golden Bay, Nelson. *J. R. Soc. New Zeal.* **1992**, *22*, 307–320. doi:10.1080/03036758.1992.10420824
- Williams, P.R. Clarke, P.J. Habitat segregation by serotinous shrubs in heaths: post-fire emergence and seedling survival. *Aust. J. Bot.* **1997**, *45*, 31–39. doi:10.1071/BT96076
- Wood, A.R.; Breeyen, A. Incidence of gummosis disease in silky *Hakea* under natural conditions in South Africa. *South African J. Plant Soil* **2021**, *38*, 126–133. doi:10.1080/02571862.2021.1879286
- Wood, A.R.; Den Breejën, A. Plant pathogens and biological control of invasive alien plants in South Africa: A Review of Projects and Progress (2011–2020). *African Entomol.* **2021**, *29*, 983–1004. doi:10.4001/003.029.0983
- Wyse, S. V.; Perry, G.L.W.; Curran, T.J. Shoot-level flammability of species mixtures is driven by the most flammable species: implications for vegetation-fire feedbacks favouring invasive species. *Ecosystems* **2018**, *21*, 886–900. doi:10.1007/s10021-017-0195-z
- Yan, L.; Zhang, X.; Han, Z.; Pang, J.; Lambers, H.; Finnegan, P.M. Responses of foliar phosphorus fractions to soil age are diverse along a 2 Myr dune chronosequence. *New Phytol.* **2019**, *223*, 1621–1633. doi:10.1111/nph.15910
- Yusiharni, E.; Gilkes, R. Minerals in the ash of Australian native plants. *Geoderma* **2012**, *189–190*, 369–380. doi:10.1016/j.geoderma.2012.06.035