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Disentangling a complex genus: systematics, biogeography and bioactivity of the genus *Phyllanthus* L. and related genera of tribe Phyllantheae (Phyllanthaceae)

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Curriculum Vitae

Roderick Bouman was born on October 31st, 1991, in Hilversum, the Netherlands. He obtained his bachelor degree in Biology at the University of Utrecht in 2013 and worked for his thesis on the fluctuations in CO₂ levels during the Dark Ages based on lake core samples from Germany. From 2013 to 2015 he studied in Leiden and graduated cum laude for his Masters in Biology with



a specialization in Evolution, Biodiversity and Conservation. While studying for his masters degree, he pursued several of his research interests during two major research internship, one on fossil crinoids and the other on pollination of heathers (*Erica*) in South Africa. After his masters, he worked for a brief research project on the evolution of *Erica* at Naturalis and the University of Mainz supervised by Timo van der Niet and Mike Pirie.

Since 2015 he has been working on his PhD at the Hortus botanicus Leiden in collaboration with Naturalis Biodiversity Center under the supervision of Prof. Paul Keßler and Prof. Peter van Welzen. The focus of this project was the evolution, systematics and bioactivity of the plant genus *Phyllanthus*. The preliminary results of this study and the new classification of *Phyllanthus* were presented to several research groups and at the Flora Malesiana XI conference in Brunei in 2019. While finishing his thesis, he started in 2019 as a taxonomist for cultivated varieties of bulbiferous plants at the Royal General Bulbgrowers Association (KAVB) in Hillegom where he worked for 2.5 years and in November 2021 he has been appointed scientific collection manager at the Hortus botanicus Leiden.

List of Publications

Miller, J. A., Schilthuizen, M., Burmester, M. J. L., van der Graaf, M. L., Merckx, V., Jocqué, M., Kessler, P.J.A., Fayle, T.M., Breeschtoen, T., Broeren, R., **Bouman, R.W.**, Chua, J., Feijen, F., Fermont, T., Groen, K., Groen, M., Kil, N.J.C., Laat de, H.A., Moerland, M.S., Moncoquet, C., Panjang, E., Philip, A.J., Roca-Eriksen, R., Rooduijn, B., Santen van, M., Swakman, V., Evans, M.N., Evans, L.J., Love, K., Joscelyne, S.H., Tober, A.V., Wilson, H.F., Ambu, L.A. & Goossens, B. (2014). Dispatch from the field: ecology of ground-web-building spiders with description of a new species (Araneae, Symphytognathidae). *Biodiversity Data Journal* (2). <https://doi.org/10.3897/BDJ.2.e1076>.

Donovan, S. K., Lewis, D. N., & **Bouman, R. W.** (2014). Echinoid remains preserved in a Derbyshire screwstone (Mississippian, Visean, Brigantian), UK. *Proceedings of the Yorkshire Geological Society* 60(2): 135-139. <https://doi.org/10.1144/pygs2014-353>

Bouman, R. W. & Donovan, S. K. (2015). Biodiversity of Mississippian (Lower Carboniferous) crinoids from Bradford Dale, Derbyshire, UK. *Proceedings of the Yorkshire Geological Society* 60(4): 293-302. <https://doi.org/10.1144/pygs2015-359>

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Bouman, R. W., Keßler, P. J. A., Telford, I. R. H., Bruhl, J. J., van Welzen, P. C. (2018). Subgeneric delimitation of the plant genus *Phyllanthus* (Phyllanthaceae). *Blumea* 63(2): 167–198. <https://doi.org/10.3767/blumea.2018.63.02.14>

Bouman, R. W., Keßler, P. J., van Welzen, P. C. (2019). Lectotypification and amended description of *Phyllanthus* (Phyllanthaceae) species described by Koorders from Sulawesi, Indonesia. *Reinwardtia* 18(2): 97–103. <https://doi.org/10.14203/reinwardtia.v18i2.3781>

Verwijs, J. I. M., **Bouman, R. W.**, Van Welzen, P. C. (2019). A taxonomic revision of *Phyllanthus* subgenus *Macraea* (Phyllanthaceae). *Blumea* 64(3): 231–252. <https://doi.org/10.3767/blumea.2019.64.03.05>

Bouman, R. W., Keßler, P. J., Telford, I.R., Bruhl, J.J., Strijk, J.S., Saunders, R. M., van Welzen, P. C. (2020). Molecular phylogenetics of *Phyllanthus* sensu lato

(Phyllanthaceae): Towards coherent monophyletic taxa. *Taxon* 70: 72–98. <https://doi.org/10.1002/tax.12424>

van Welzen, P.C., Arias Guerrero, S., Arifiani, D., Bangun, T.J., **Bouman, R.W.**, Eurlings, M.C., Gushilman, I., Phillipson, P.B., Tabak, I., Winkel, E., Wurdack, K. J. (2021). *Weda*, a new genus with two new species of Euphorbiaceae-Crotonoideae from Halmahera (North Maluku, Indonesia) and phylogenetic relationships of the Australasian tribe Ricinocarpeae. *Journal of Systematics and Evolution* 59(5): 1000–1017. <https://doi.org/10.1111/jse.12581>

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