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Plant wax n-alkane biomarkers in the tropical Andes (Ecuador)

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Publication date

2020

Document Version

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Citation for published version (APA):

Teunissen van Manen, M. L. (2020). *Plant wax n-alkane biomarkers in the tropical Andes (Ecuador)*. [Thesis, fully internal, Universiteit van Amsterdam].

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Author statements

Chapter 2 “Leaf wax *n*-alkane patterns of six tropical tree species show species-specific environmental response”

Milan L. Teunissen van Manen, Boris Jansen, Francisco C. Camacho, Susana León-Yáñez & William D. Gosling

Ecology and Evolution (2019) 9, 9120-9128

DOI: <https://doi.org/10.1002/ece3.5458>

MLTvM, WDG and BJ conceived and designed the study, MLTvM, FCC and SLY facilitated and conducted fieldwork. MLTvM did the lab analysis and analyzed the data. MLTvM, WDG and BJ wrote the manuscript. All authors contributed to the drafts of the manuscript and its final approval.

Chapter 3 “From leaf to soil: *n*-alkane signal preservation, despite degradation along an environmental gradient in the tropical Andes”

Milan L. Teunissen van Manen, Boris Jansen, Francisco C. Camacho, Susana León-Yáñez & William D. Gosling

Biogeosciences Discussions (2020), in review.

DOI: <https://doi.org/10.5194/bg-2019-456>

MLTvM, WDG and BJ conceived and designed the study. MLTvM, FCC and SLY facilitated and conducted fieldwork. MLTvM did the lab analysis and analyzed the data. MLTvM, WDG and BJ wrote the manuscript. All authors contributed to the drafts of the manuscript and its final approval.

Chapter 4 “On the preservation and interpretation of *n*-alkane biomarkers in middle Pleistocene sediments on the Andean flank (Ecuador)”

Milan L. Teunissen van Manen, Boris Jansen, Crystal McMichael, Jeroen Mesman, Caspar Aardenburg, Jasper Roosendaal, Laurens Broeze, Robin Ekelschot, Barry H. Lomax, Sarah Metcalfe, Macarena L. Cardenas, Patricia Mothes, William D. Gosling

In review.

MLTvM wrote the manuscript with help from WDG, BJ, CM, BHL and SM. MLC, WDG and PM conceived and produced the original work of the Erazo section. BHL and SM sampled the E1-O11-2015 section. The data were produced by BSc (LB, CA, JR, RE) and MSc (JM) researchers within the Institute for Biodiversity and Ecosystem Dynamics (IBED) at the University of Amsterdam (UvA) under the supervision of the senior authors. All authors contributed to the drafts of the manuscript and its final approval.

Chapter 5 “On replicating *n*-alkane measurements of the plant wax *n*-alkane molecular proxy”

Milan L Teunissen van Manen, Boris Jansen, Samira Absalah, William D Gosling

In review.

MLTvM conceived the idea for the manuscript. Data analysis was done by MLTvM. All authors contributed to the development of the concept and data interpretation. All authors contributed to the drafts of the manuscript and its final approval.