

Accepted Manuscript

The palaeolatitudinal distribution of fossil wood genera as a proxy for European Jurassic terrestrial climate

Marc Philippe, Sara Puijalon, Guillaume Suan, Sylvain Mousset, Frédéric Thévenard, Emanuela Mattioli

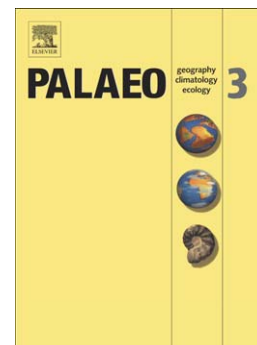
PII: S0031-0182(16)30409-6
DOI: doi:[10.1016/j.palaeo.2016.11.029](https://doi.org/10.1016/j.palaeo.2016.11.029)
Reference: PALAEO 8064

To appear in: *Palaeogeography, Palaeoclimatology, Palaeoecology*

Received date: 30 August 2016
Revised date: 16 November 2016
Accepted date: 16 November 2016

Please cite this article as: Philippe, Marc, Puijalon, Sara, Suan, Guillaume, Mousset, Sylvain, Thévenard, Frédéric, Mattioli, Emanuela, The palaeolatitudinal distribution of fossil wood genera as a proxy for European Jurassic terrestrial climate, *Palaeogeography, Palaeoclimatology, Palaeoecology* (2016), doi:[10.1016/j.palaeo.2016.11.029](https://doi.org/10.1016/j.palaeo.2016.11.029)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



The palaeolatitudinal distribution of fossil wood genera as a proxy for European Jurassic terrestrial climate

Marc Philippe^{1*}, Sara Puijalon¹, Guillaume Suan², Sylvain Mousset³, Frédéric Thévenard¹, Emanuela Mattioli².

1 - Univ Lyon, Université Lyon 1, ENTPE, CNRS, UMR 5023 LEHNA, F-69622, Villeurbanne, France.

2 - Univ Lyon, Université Lyon 1, ENS-Lyon, CNRS, UMR 5276 LGL-TPE, F-69622, Villeurbanne, France.

3 - Mathematics and BioSciences Group, Faculty of Mathematics, Oskar-Morgenstern-Platz 1, University of Vienna, A-1090 Vienna, Austria.

* Corresponding author at: Paléobotanique, bâtiment Darwin A, Campus de la Doua, Université Lyon 1, 13 Bd. du 11/11/18 F69622 Villeurbanne cedex

E-mail addresses: emanuela.mattioli@univ-lyon1.fr (E. Mattioli);

sylvain.mousset@univie.ac.at (S. Mousset); philippe@univ-lyon1.fr (M. Philippe);

sara.puijalon@univ-lyon1.fr (S. Puijalon); guillaume.suan@univ-lyon1.fr (G. Suan);

thevenard@univ-lyon1.fr (F. Thévenard).

Abstract: The potential of using the latitudinal distributions of fossil wood genera as a proxy for Jurassic terrestrial climate conditions in western Laurasia was tested using a database of 386 entries. The fossil wood genera *Brachyoxylon*, *Protaxodioxylon* and *Simplicioxylon* are southern taxa, which have only occasionally extended north of 45°N (all latitude references are to palaeolatitudes). Conversely, *Protocedroxylon* and *Xenoxylon* are mostly found at high

Download English Version:

<https://daneshyari.com/en/article/5756045>

Download Persian Version:

<https://daneshyari.com/article/5756045>

[Daneshyari.com](https://daneshyari.com)