

## Accepted Manuscript

Development of an equatorial carbonate platform across the Triassic-Jurassic boundary and links to global palaeoenvironmental changes (Musandam Peninsula, UAE/Oman)

Martin R. Höning, Cédric M. John, Christina Manning

PII: S1342-937X(16)30448-8  
DOI: doi: [10.1016/j.gr.2016.11.007](https://doi.org/10.1016/j.gr.2016.11.007)  
Reference: GR 1714

To appear in: *Gondwana Research*

Received date: 4 April 2016  
Revised date: 9 November 2016  
Accepted date: 10 November 2016



Please cite this article as: Höning, Martin R., John, Cédric M., Manning, Christina, Development of an equatorial carbonate platform across the Triassic-Jurassic boundary and links to global palaeoenvironmental changes (Musandam Peninsula, UAE/Oman), *Gondwana Research* (2016), doi: [10.1016/j.gr.2016.11.007](https://doi.org/10.1016/j.gr.2016.11.007)

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.

**Development of an equatorial carbonate platform across the Triassic-Jurassic boundary and links to global palaeoenvironmental changes (Musandam Peninsula, UAE/Oman)**

Martin R. Hönig<sup>1\*</sup>, Cédric M. John<sup>1</sup>, Christina Manning<sup>2</sup>

<sup>1</sup> Qatar Carbonates and Carbon Storage Research Centre, Department of Earth Science and Engineering, Imperial College London, Prince Consort Road, London SW7 2BP, United Kingdom

<sup>2</sup> Department of Earth Sciences, Queens Building, Royal Holloway University of London, Egham TW20 0EX, United Kingdom

\* corresponding author (martin\_hoenig@hotmail.com)

**Highlights**

- A shallow-marine carbonate system, studied vertically and laterally, across the Triassic-Jurassic transition from the palaeoequator is presented.
- The vertical stacking pattern is controlled most likely by relative sea level changes.
- No clear evidence for a biocalcification crisis or ocean acidification across the Triassic-Jurassic boundary is visible.

**Keywords**

Rhaetian-Hettangian, Strontium isotope stratigraphy, Carbon isotopes, Facies architecture, Ocean acidification

Download English Version:

<https://daneshyari.com/en/article/5785301>

Download Persian Version:

<https://daneshyari.com/article/5785301>

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