



2nd International Workshop on the Toarcian Oceanic Anoxic Event, Coimbra 2018



PROGRAM SCIENTIFIC SESSION September 6th



INSTITUTO DO AMBIENTE
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2nd International Workshop on the Toarcian Oceanic Anoxic Event (2nd IW-TOAE)

ORAL PROGRAM -September 6th

9:00 Welcome and introduction

ORAL SESSION - Paleontology and Biostratigraphy

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| 9:15 | 1 | Matías Reolid, Philip Copestake & Ben Johnson | <i>Foraminiferal assemblages for interpreting the incidence of the T-OAE in the northwestern end of the Tethys Ocean (Llanbedr, Mochras Farm Borehole, North Wales, United Kingdom)</i> |
| 9:30 | 2 | Ángela Fraguas, María José Comas-Rengifo, Juan José Gómez, Antonio Goy | <i>Calcareous nannofossil crisis in the Early Toarcian of the Cantabrian Basin (northern Spain): a clue location for understanding warming-driven extinction events</i> |
| 9:45 | 3 | Wolfgang Ruebsam, Emanuela Mattioli, Aryton Nadin, & Lorenz Schwark | <i>Controls on the early Toarcian nannoplankton evolution: a combined micropaleontological and biomarker appraisal</i> |
| 10:00 | 4 | Emanuela Mattioli, Alessandro Menini, & Guillaume Suan | <i>Primary versus carbonate production in the Toarcian, a case study from the Mochras borehole (Wales)</i> |
| 10:15 | 5 | Ricardo Paredes, María J. Comas-Rengifo, Luís V. Duarte, & Antonio Goy | <i>Bivalvia prior to the Early Toarcian oceanic extinction event in the W and N Iberian perimarginal basins</i> |
| 10:30 | 6 | Veronica Piazza & Martin Aberhan | <i>Body size trends of bivalves and brachiopods across the Early Toarcian Extinction Event from NW-Tethys: a comparison between Spain and Portugal</i> |
| 10:45 | 7 | Patrícia Rita, Kenneth De Baets, & Luís Vítor Duarte | <i>The effect of the Pliensbachian-Toarcian crisis on body size: the case of Peniche section belemnites (Lusitanian Basin, Portugal)</i> |

11:00 - 11:30 Coffee break

PLENARY CONFERENCE11:30 - 12:30 Hugh C Jenkyns *The Toarcian Oceanic Anoxic Event: lessons from the Cretaceous*

12:30 - 14:00 Lunch break

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| 14:00 | 8 | Kenneth De Baets & Patricia Rita | <i>Fluctuations in belemnite rostrum size during the Pliensbachian-Toarcian crisis</i> |
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ORAL SESSION - Palynology and Palynofacies

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| 14:15 | 9 | Ian Boomer, Philip Copestake, John Huxtable, Tony Loy, Tom Dunkley Jones, Sarah Hawkes, David Halfacree, Henry Reay, Natalie Caughtry | <i>Microfaunal, palynological and stable-isotope characterization of the T-OAE through a carbonate-clastic sequence from Somerset, U.K.</i> |
| 14:30 | 10 | Sam M. Slater, Richard J. Twitchett, Silvia Danise, & Vivi Vajda, | <i>Effects of rapid global warming on terrestrial and marine ecosystems based on palynology from the Toarcian of Yorkshire, UK</i> |
| 14:45 | 11 | Carolina Fonseca, João Graciano Mendonça Filho, Carine Lézin, & Luís V. Duarte | <i>New evidences on the organic matter record of the early Toarcian of the Paris Basin, France</i> |
| 15:00 | 12 | Bruno Rodrigues, João G. Mendonça Filho, Luís V. Duarte, Ricardo L. Silva | <i>Sources of sedimentary organic matter during the Toarcian Oceanic Anoxic Event in the Lusitanian Basin (Portugal)</i> |
| 15:15 | 13 | Alicia Fantasia, Karl Föllmi, Thierry Adatte, Eric Font, Jorge E. Spangenberg, Enrique Bernárdez, Emanuela Mattioli, Luís V. Duarte | <i>Paleoenvironmental changes during the Early Toarcian Oceanic Anoxic Event: Comparison of different paleogeographic settings (Alpine Tethys, Andean Basin and Lusitanian Basin)</i> |

ORAL SESSION - Sedimentology and stratigraphy

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| 15:30 | 14 | Micha Ruhl, Weimu Xu, Stephen P. Hesselbo, & Hugh C. Jenkyns | <i>Timing of lacustrine expansion, sediment deposition and carbon drawdown during the early Toarcian Oceanic Anoxic Event (~183 Ma)</i> |
| 15:45 | 15 | Fatima-Zahra Ait-Itto a, Mathieu Martinez, Gregory D. Price, & Abdellah Ait Addi | <i>Synchronization of the astronomical time scales in the Early Toarcian: a link between anoxia, carbon-cycle perturbation, mass extinction and volcanism</i> |

16:00 - 16:30 Coffee break

16:30 - 18:00 **POSTER SESSION**

continuation of the ORAL SESSION - Sedimentology and Stratigraphy

18:00	16	Guillaume Suan, Martina Espitalié, Bernard Pittet, & Philippe Léonide	<i>Shallow-water record of changes in sea level and detrital input during the Toarcian OAE from the Southern Provence sub-Basin (Var, SE France)</i>
18:15	17	Driss Sadki	<i>The Lower Toarcian of Moroccan Atlas Domain: What particularities and what events</i>
18:30	18	Hicham Baghli, Emanuela Mattioli, Jorge E. Spangenberg, Mustapha Bensalah, Florent Arnaud-Godet, Bernard Pittet, & Guillaume Suan	<i>Lower Jurassic climatic trends of south-Tethyan margin</i>
18:45	19	Asad Abdi & Beatriz Badenas	<i>Oxygenation events driven by the impact of internal waves in the Pliensbachian-early Toarcian of the Kermanshah radiolarite basin (West Iran)</i>
19:00	20	Zhong Han, Xiumian Hu, David B. Kemp, Juan Li	<i>Carbonate-platform response to the Toarcian Oceanic Anoxic Event in the southern hemisphere: Implications for climatic change and biotic platform demise</i>

POSTER SESSION

21	Asad Abdi, Beatriz Bádenas, & Sarem Amini,	<i>Framboidal pyrite size distribution in trace fossils as an indicator of oxygen level during the Pliensbachian-Early Toarcian: An example from KS section, Kermanshah Radiolarite basin, Western Iran</i>
22	Abdellah Ait Addi, Fatima-Zahra Ait-Itto, Gregory D. Price, & Benjamin Brigaud	<i>Mineralogical and geochemical changes during the Early Toarcian in Southern Tethyan realm (Middle and High Atlas, Morocco)</i>
23	Vânia F. Correia, James B. Riding, Luís V. Duarte, Paulo Fernandes, & Zélia Pereira	<i>Lower Jurassic dinoflagellate cysts throughout the Toarcian Oceanic Anoxic Event (T-OAE) in the Lusitanian Basin, Portugal</i>
24	Jorge Ferreira, Emanuela Mattioli, Fabienne Giraud, Baptiste Suchéras-Marx, Luis V. Duarte	<i>Lower and Middle Jurassic calcareous nannofossil biostratigraphy from west Portugal</i>
25	Eric Font, Luís Vitor Duarte, Alicia Fantasia, Thierry Adatte, Mark Dekkers, & José Mirão	<i>Magnetostratigraphy and environmental magnetism of the Toarcian Oceanic Anoxic Event at Peniche (Portugal)</i>
26	Carolina Fonseca, João Graciano Mendonça Filho, Carine Lézin, & Luís V. Duarte	<i>Animal-derived organic matter record: a new contribution to the definition of paleoenvironmental conditions of the Toarcian Oceanic Anoxic Event</i>
27	Tina Klein, Anette Meixner, Simone Kasemann, Luís V. Duarte	<i>New insights into environmental conditions for the Early Jurassic Toarcian Oceanic Anoxic Event from boron and lithium isotopes</i>
28	Abbas Marok & Louisa Samar	<i>Organic matter characterization of sediments of the Upper Pliensbachian-Lower Toarcian transition in the western Algerian basins</i>
29	José Miguel Molina, Luis M. Nieto, & Matías Reolid	<i>Facies analysis of the Toarcian in the Subbetic (Southern Spain): palaeoenvironmental implications</i>
30	Bruno Rodrigues; João G. Mendonça Filho, Matías Reolid, Luís V. Duarte, Ricardo L. Silva	<i>The unusual occurrence of pyritized radiolarian and sponge spicule fragments in kerogen associations from the Upper Pliensbachian-Lower Toarcian in the La Cerradura section, South Iberian Palaeomargin</i>
31	Bruno Rodrigues; João G. Mendonça Filho, Ricardo L. Silva, Driss Sadki, Luís V. Duarte,	<i>Palynofacies as indicator of paleoenvironmental dynamics across the Early Toarcian in Middle Atlas Basin (Morocco)</i>
32	Louisa Samar & Abbas Marok	<i>Palynomorphs from Upper Pliensbachian-Lower Toarcian Transition in Mellala section (Traras Mountains, NW Algeria): Preliminary data</i>
33	Abbès Sebane & Abdia Touahria	<i>Paleoenvironmental conditions of Oceanic Anoxic Event in Western Algeria from the evolution of the foraminifera communities</i>

34	Ricardo L. Silva, Charles M. Carlisle, & Grant D. Wach	<i>Lower Jurassic organic rich intervals and $\delta^{13}\text{C}$ record from the Slyne Basin, offshore Ireland</i>
35	Choukri Soulimane, Abbas Marok, Matias Reolid	<i>Response of ostracoda (<i>Podocopina</i>) to the deepening of a carbonate platform during the Pliensbachian-Toarcian (Traras Basin, NW Algeria)</i>
