



Estratigrafía y Paleontología

Áreas de conocimiento: Estratigrafía y Paleontología

Director: D. Francisco J. Rodríguez Tovar

Secretario: D. César Viseras Alarcón

Página web: <http://www.ugrestratig.es/>

Profesorado: CU:9, PTU:4, PDI Contratado y Otros:1.

Tesis leídas

- Nacre ultrastructure: amorphous precursors, aggregation and crystallization

Doctorando: Dª Elena Macías Sánchez

Director: Dr. D. Antonio G. Checa González

Fecha de lectura: 29 de septiembre de 2017

- Holocene paleoenvironmental change, climate and human impact in Sierra Nevada, southern Iberian Peninsula

Doctorando: Dª María Josefa Ramos Román

Directores: Dr. D. Gonzalo Jiménez Moreno y Dr. D. R. Scott Anderson

Fecha de lectura: 9 de febrero de 2018

- Environmental changes across the Cretaceous/Palaeogene boundary: a high resolution approach for reconstructing eco-sedimentary conditions

Doctorando: Dª Claudia Sosa Montes de Oca

Directores: Dr. D. Francisco J. Rodríguez Tovar y Dra. Dª Francisca Martínez Ruiz

Fecha de lectura: 2 de julio de 2018

Grupos de Investigación.

RNM190 ANALISIS DE CUENCAS

- Responsable: PASCUAL RIVAS CARRERA

RNM208 DISCONTINUIDADES ESTRATIGRAFICAS

- Responsable: ALBERTO DIEGO PEREZ LOPEZ

RNM178 EVOLUCION DE LOS MARGENES MESOZOICOS DE IBERIA (EMMI)

- Responsable: FEDERICO OLORIZ SAEZ

Dirección y participación en Proyectos I+D

- 2017 SOCRATES/ERASMUS BILATERAL AGREEMENT, , 01/01/2017-01/01/2018

Responsable FRANCISCO J. RODRÍGUEZ TOVAR

Publicaciones en revistas

- 2018 Artículo: Appraising timing response of paleoenvironmental proxies to the Bond cycle in the western Mediterranean over the last 20 kyr, Climate Dynamics, 50, , 2925-2934

FRANCISCO J. RODRÍGUEZ TOVAR

- 2018 Artículo: Lateral variability of ichnofabrics in marine cores: Improving sedimentary basin analysis using Computed Tomography images and high-resolution digital treatment, Marine Geology, 397, , 72-78

FRANCISCO J. RODRÍGUEZ TOVAR

JAVIER DORADOR RODRÍGUEZ

- 2018 Artículo: High-resolution image treatment in ichnological core analysis: Initial steps, advances and prospects, Earth-Science Reviews, 177, , 226-237

FRANCISCO J. RODRÍGUEZ TOVAR

JAVIER DORADOR RODRÍGUEZ

- 2018 Artículo: An integrated analysis (microfacies and ichnology) of a shallow carbonate-platform succession: upper Aptian, Lower Cretaceous, Betic Cordillera, Facies, 64, 4, -

FRANCISCO J. RODRÍGUEZ TOVAR

- 2018 Artículo: Application of laser ablation-ICP-MS to determine high-resolution elemental profiles across the Cretaceous/Paleogene boundary at Agost (Spain), Palaeogeography, Palaeoclimatology, Palaeoecology,, , 497, 128-138

FRANCISCO J. RODRÍGUEZ TOVAR

- 2018 Artículo: Ichnological analysis of contourites: Past, Present and future, Earth-Science Reviews, 182, , 28-41

FRANCISCO J. RODRÍGUEZ TOVAR

- 2018 Artículo: High-resolution data from Laser Ablation-ICP-MS and by ICP-OES analyses at the Cretaceous/Paleogene boundary section at Agost (SE Spain), Data in Brief, 18, , 1900-1906

FRANCISCO J. RODRÍGUEZ TOVAR

- 2018 Artículo: Report on the 6th International Meeting of the IUGS Lower Cretaceous Ammonite Working Group, the Kilian Group (Vienna, Austria, 20th August 2017), Cretaceous Research, 91, , 100-110

MIGUEL COMPANY SEMPERE

- 2018 Artículo: Evolución de las asociaciones de insectívoros (Eulipotyphla, Mammalia) en España y su relación



- con los cambios climáticos del Neógeno y el Cuaternario., Ecosistemas, 27, 1, 38-51
RAEF MINWER-BARAKAT REQUENA
- 2018 Artículo: Rapid recovery of life at ground zero of the end-Cretaceous mass extinction, *Nature*, , , -
FRANCISCO J. RODRÍGUEZ TOVAR
- 2017 Artículo: The evolution of the Great Barrier Reef during the Last Interglacial Period., *Global And Planetary Change (Print)*, 149, , 53-71
JUAN CARLOS BRAGA ALARCON
- 2017 Artículo: Heterozoan carbonate deposition on a steep basement escarpment (Late Miocene, Almería, SE Spain), *Sedimentology*, , , -
ÁNGEL PUGA BERNABÉU
- JUAN CARLOS BRAGA ALARCON
- JULIO AGUIRRE RODRIGUEZ
- 2017 Artículo: A multiproxy study of the early Pleistocene palaeoenvironmental and palaeoclimatic conditions of an anastomosed fluvial sequence from the Çameli Basin (SW Anatolia, Turkey), *Palaeogeography, Palaeoclimatology, Palaeoecology*, 467, , 232-252
GONZALO JIMENEZ MORENO
- 2017 Artículo: Calcareous nannofossil assemblage turnover in response to the Early Bajocian (Middle Jurassic) palaeoenvironmental changes in the Subbetic Basin, *Palaeogeography, Palaeoclimatology, Palaeoecology*, 472, (2017), 128-145
JOSÉ SANDOVAL GABARRÓN
- 2017 Artículo: Late Chattian platform carbonates with benthic foraminifera and coralline algae from the SE Iberian Plate, *Palaios*, 32, , 61-82
JULIO AGUIRRE RODRIGUEZ
- 2017 Artículo: Outcrop and core integrative ichnofabric analysis of Miocene sediments from Lepe, Huelva (SW Spain): Improving depositional and paleoenvironmental interpretations, *Sedimentary Geology*, 349, , 62-78
FRANCISCO J. RODRÍGUEZ TOVAR
- JAVIER DORADOR RODRÍGUEZ
- 2017 Artículo: Anatomy of Heinrich Layer 1 and its role in the last deglaciation, *Paleoceanography*, 32, 3, 284-303
FRANCISCO J. RODRÍGUEZ TOVAR
- JAVIER DORADOR RODRÍGUEZ
- 2017 Artículo: Triassic evaporites of Iberia: Sedimentological and palaeogeographical implications for the western Neotethys evolution during the Middle Triassic-Earliest Jurassic, *Palaeogeography, Palaeoclimatology, Palaeoecology*, 471, , 157-180
ALBERTO DIEGO PEREZ LOPEZ
- 2017 Artículo: Headland-associated banner banks generated during the last deglaciation near the Strait of Gibraltar (Gulf of Cadiz, SW Spain), *Marine Geology*, 386, , 56-75
ÁNGEL PUGA BERNABÉU
- 2017 Artículo: Cuticle of Polyplacophora: structure, secretion, and homology with the periostracum of conchiferans, *Marine Biology*, 164, , 4-64
ANTONIO GERARDO CHECA GONZALEZ
- 2017 Artículo: Trace fossils from the Middle and Upper Eocene (Bartonian-Priabonian) molasse deposits of the Pamplona Basin (Navarre, western Pyrenees): palaeoenvironmental implications, *Geological Journal*, 52, , 327-349
FRANCISCO J. RODRÍGUEZ TOVAR
- 2017 Artículo: Gloria Knolls Slide: A prominent submarine landslide complex on the Great Barrier Reef margin of north-eastern Australia, *Marine Geology*, 385, , 68-83
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ÁNGEL PUGA BERNABÉU
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- 2017 Artículo en prensa: New species of lower Tithonian macroconchiate Hybonoticeras from Mexico and the co-occurrence of Mazapilites and Hybonoticeras in the Mexico-Caribbean area, *Journal of Paleontology*, , , -
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FEDERICO OLORIZ SAEZ
- 2017 Artículo: Witnesses of the early Pliocene sea-level rise in the Manilva Basin (Málaga, S Spain), *Revista Española de Paleontología*, 32, 2, -
JULIO AGUIRRE RODRIGUEZ
- 2017 Artículo: Facies architecture, geochemistry and palaeoenvironmental reconstruction of a barrage tufa reservoir analog (Betic Cordillera, S. Spain), *Quaternary International*, 437, , 15-36



CESAR VISERAS ALARCON

SATURNINA HENARES LADRÓN DE GUEVARA

SILA PLA PUEYO

- 2017 Artículo: An evaporite-bearing accretionary complex in the northern front of the Betic-Rif orogen, *Tectonics*, 36, 6, 1006-1036

ALBERTO DIEGO PEREZ LOPEZ

- 2017 Artículo: Upper Berriasian ammonites from the Taraises Formation of Cuencamé de Ceniceros, Durango State, Northern Mexico, *Boletín de la Sociedad Geológica Mexicana*, 69, , 465-477

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- 2017 Artículo: Architectural effects on fossil preservation. The case of macaroni coralline algae, *Revista Española de Paleontología*, 32, 1, 53-62

JUAN CARLOS BRAGA ALARCON

- 2017 Artículo: Physiological versus biological control in bivalve calcite prisms: Comparison of euheterodonts and pteriomorphs, *The Biological bulletin (Lancaster)*, 232, , 19-29

ANTONIO GERARDO CHECA GONZALEZ

- 2017 Artículo: Transformation of ACC into aragonite and the origin of the nanogranular structure of nacre, *Sedimentary Geology*, , , -

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- 2017 Artículo: Evaluating macrobenthic response to the CretaceousPalaeogene event: A high-resolution ichnological approach at the Agost section (SE Spain), *Cretaceous Research*, 70, , 96-110

FRANCISCO J. RODRÍGUEZ TOVAR

- 2017 Artículo: Paleoenvironmental conditions across the CretaceousPaleogene transition at the Apennines sections (Italy): An integrated geochemical and ichnological approach, *Cretaceous Research*, 71, , 1-13

FRANCISCO J. RODRÍGUEZ TOVAR

- 2017 Artículo: Evolutionary trend of Zoophycos morphotypes from the Upper Cretaceous-Lower Miocene in the type pelagic sections of Gubbio, Italy, *Lethaia*, 50, , 41-57

FRANCISCO J. RODRÍGUEZ TOVAR

- 2017 Artículo: Ichnological record of the Frasnian-Famennian boundary interval: two examples from the Holy Cross Mts (Central Poland), *International Journal of Earth Sciences*, 106, , 157-170

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- 2017 Artículo: The Faraoni event (latest Hauterivian) in ichnological record: The Río Argos section of southern Spain, *Cretaceous Research*, 79, , 109-121

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- 2017 Artículo: The ichnocoenosis of the bottom nepheloid layer (BNL) deposits: a case study from the Scaglia Toscana Formation (Paleogene, central Italy), *Bollettino della Società Paleontologica Italiana*, 56, 2, 243-251

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- 2017 Artículo: Toarcian Oceanic Anoxic Event induced unusual behaviour and palaeobiological changes in Thalassinoides tracemakers, *Palaeogeography, Palaeoclimatology, Palaeoecology*, 485, , 46-56

FRANCISCO J. RODRÍGUEZ TOVAR

- 2017 Artículo: THE EFFECT OF BIOTURBATION BY POLYCHAETES (OPHELIIDAE) ON BENTHIC FORAMINIFERAL ASSEMBLAGES AND TEST PRESERVATION, *Palaeontology*, 60, 6, 807-827

FRANCISCO J. RODRÍGUEZ TOVAR

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- 2017 Artículo: Integrative stratigraphy and climatic events of a new lower Paleogene reference section from the Betic Cordillera: Río Gor, Granada province, SE Spain, *Revista Española de Paleontología*, 32, 1, 185-206

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OLMO MIGUEZ SALAS

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OLMO MIGUEZ SALAS

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RAEF MINWER-BARAKAT REQUENA

- 2017 Artículo: Agerinia marandati sp. nov., a new early Eocene primate from the Iberian Peninsula, sheds new light on the evolution of the genus Agerinia, *PeerJ*, 2017, , e3239-

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- type locality Casa Retjo-1 (early Eocene, Iberian Peninsula)., *Journal Of Human Evolution*, 113, , 127-136
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- 2017 Articulo: A new primate assemblage from La Verrerie de Roches (Middle Eocene, Switzerland)., *Journal Of Human Evolution*, 113, , 137-154
RAEF MINWER-BARAKAT REQUENA
- 2017 Meeting-Abstract: New Primate Remains from a Middle Eocene Karstic Locality in Switzerland., *Zitteliana: An International Journal of Palaeontology and Geobiology. Series B/Reihe*, 91, , 64-64
RAEF MINWER-BARAKAT REQUENA
- 2017 Meeting-Abstract: Preliminary Report of the Ichthyofauna from Pontils (Middle Eocene, Northeastern Spain)., *Zitteliana: An International Journal of Palaeontology and Geobiology. Series B/Reihe*, 91, , 23-23
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RAEF MINWER-BARAKAT REQUENA

Libros (con ISBN)

- 2017 Rhodolith/mäerl beds: A global perspective: Springer, , 2017, 978-3-319-29313-4
JULIO AGUIRRE RODRIGUEZ
- 2017 River to Reservoir: Geoscience to Engineering: Geological Society of London, Londres, Reino Unido, 2017,
SILA PLA PUEYO
- 2017 The Toarcian Oceanic Anoxic Event in the South Iberian Palaeomargin: Springer, , 2017, 2191-5369
FRANCISCO J. RODRÍGUEZ TOVAR

Capítulos de libros (con ISBN)

- 2017 Titulo Capítulo: Rhodoliths and rhodolith beds in the rock record, Titulo Libro: Rhodolith/mäerl beds: A global perspective: Springer, , 2017, 978-3-319-29313-4
JUAN CARLOS BRAGA ALARCON
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- 2017 Titulo Capítulo: Neogene Rhodoliths in the Mediterranean Basins, Titulo Libro: Rhodolith/mäerl beds: A global perspective: Springer, , 2017, 978-3-319-29313-4
JUAN CARLOS BRAGA ALARCON

Contribuciones en congresos

- 2017 Poster en Congreso: Paleoenvironmental and climate evolution during the Holocene in Sierra Nevada (southeastern Iberia), 5th Past Global Changes meeting: PAGES Open Science Meeting (OSM)., 09/05/2017, Zaragoza (España), Congreso
ANTONIO GARCÍA-ALIX DAROCA
GONZALO JIMENEZ MORENO
- 2017 Poster en Congreso: Global warming evidence from a long chain diol record of an alpine lake in southern Iberia, 5th Past Global Changes meeting: PAGES Open Science Meeting (OSM)., 09/05/2017, Zaragoza (España), Congreso
ANTONIO GARCÍA-ALIX DAROCA
GONZALO JIMENEZ MORENO
- 2017 Poster en Congreso: Lower Bashkirian conodonts from the Nevado-Filábride complex (Betic Cordilleras, Spain): tectonic and palaeogeographic implications, European Geosciences Union General Assembly 2017, 23/04/2017, Viena (Austria), Congreso
AGUSTIN MARTIN ALGARRA
- 2017 Comunicación en congreso: Outcrop and core integrative ichnofabric analysis: Paleoenvironmental conditions of Miocene sediments from lepe, Huelva (SW Spain). 14 th. International Ichnofabric Workshop, Taiwan. , 14 th. International Ichnofabric Workshop, 29/04/2017, Taipei, Taiwan, Congreso
JAVIER DORADOR RODRÍGUEZ
FRANCISCO J. RODRÍGUEZ TOVAR
- 2017 Conferencias impartidas en Congreso: Advancing ichnofabric approach: The powerful use of high resolution image treatment, 14th International Ichnofabric Workshop, 28/04/2017, Taipei, Taiwan, Congreso



JAVIER DORADOR RODRÍGUEZ

- 2017 Comunicación en congreso: Improving ichnofabric analysis in cores: Computed Tomography images and high resolution digital treatment, 14th International Ichnofabric Workshop, 28/04/2017, Taipei, Taiwan, Congreso

FRANCISCO J. RODRÍGUEZ TOVAR

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- 2017 Comunicación en congreso: Ichnofabric analysis of Heinrich Layer 1 at IODP Site U1308: Bioturbational disturbance and palaeoenvironmental conditions, 14th International Ichnofabric Workshop, 28/04/2017, Taipei, Taiwan, Congreso

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FRANCISCO J. RODRÍGUEZ TOVAR

- 2017 Conferencias impartidas en Congreso: Paleontología, vida más allá de los dinosaurios, Enseñar a mirar y a divulgar el patrimonio natural de Melilla, 16/05/2017, Facultad de Educación y Humanidades de Melilla, Congreso

JAVIER DORADOR RODRÍGUEZ

- 2017 Comunicación en congreso: Orbital- and millennial-scale environmental and climate changes in the Mediterranean area during the middle and late Quaternary: a new sediment record from el Padul, Sierra Nevada (southern Spain), Pages- 2017 5th Open science Meeting, 09/05/2017, Zaragoza, Spain, Congreso

GONZALO JIMENEZ MORENO

JON CAMUERA BIDAURRETA

MARÍA J. RAMOS ROMÁN

ANTONIO GARCÍA-ALIX DAROCA

- 2017 Comunicación en congreso: Climate and vegetation change during the Holocene in southern Iberia, European Geoscience Union General Assembly, 24/04/2017, Viena, Austria, Congreso

JON CAMUERA BIDAURRETA

GONZALO JIMENEZ MORENO

MARÍA J. RAMOS ROMÁN

ANTONIO GARCÍA-ALIX DAROCA

- 2017 Poster en Congreso: Holocene climate variability in the western Mediterranean through a multiproxy analysis from Padul peat bog (Sierra Nevada, Spain), European Geosciences Union 2017, 23/04/2017, Viena (Austria), Congreso

MARÍA J. RAMOS ROMÁN

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ANTONIO GARCÍA-ALIX DAROCA

- 2017 Poster en Congreso: Late Holocene climate change in Southern Iberia through a high-resolution multi-proxy analysis from Padul peat bog (Sierra Nevada), Pages- 2017 5th Open science Meeting, 09/05/2017, Zaragoza, Spain, Congreso

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- 2017 Poster en Congreso: Human impact during the Late Holocene based on vegetation reconstruction from alpine and montane peat bog sediment records from Sierra Nevada (southeastern Spain), Pages- 2017 5th Open science Meeting, 09/05/2017, Zaragoza, Spain, Congreso

GONZALO JIMENEZ MORENO

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JON CAMUERA BIDAURRETA

- 2017 Poster en Congreso: OUTCROP/BEHIND OUTCROP CHARACTERIZATION OF SILICICLASTIC RESERVOIRS, Siliciclastic Reservoirs of the Middle East, 15/05/2017, Amman, AMMAM, JORDANIA, Congreso

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SATURNINA HENARES LADRÓN DE GUEVARA

SILA PLA PUEYO

- 2017 Poster en Congreso: Ichnofabrics of Phycosiphon in Upper Miocene volcaniclastic rocks of prodelta deposits in the Colombia Pacific: paleoecological implications, 14th International Ichnofabric Workshop, 28/04/2017, Taipei, Taiwan, Congreso

FRANCISCO J. RODRÍGUEZ TOVAR

- 2017 Comunicación en congreso: Ichnological data supporting depositional continuity after the Chixulub



impact: the Paleocene record at the IODP-ICDP Expedition 364, 14th International Ichnofabric Workshop, 28/04/2017, Taipei, Taiwan, Congreso

FRANCISCO J. RODRÍGUEZ TOVAR

- 2017 Comunicación en congreso: Establishement of a representative microbenthic tracemaker community after the Chicxulub impact: ichnofabric analysis at the IODP-ICDP Expedition 364, 14 th. International Ichnofabric Workshop, 29/04/2017, Taipei, Taiwan, Congreso

FRANCISCO J. RODRÍGUEZ TOVAR

- 2017 Poster en Congreso: Spatangoids ichnofabrics at site U1475; a key to interpret paleoenvironmental conditions, 5th Past Global Changes meeting: PAGES Open Science Meeting (OSM), 09/05/2017, Zaragoza (España), Congreso

FRANCISCO J. RODRÍGUEZ TOVAR

- 2017 Poster en Congreso: Integrative analysis of ichnological and physical properties data at site U1475: assessing paleoenvironmental changes during the Messinian at the Agulhas Plateau region, 5th Past Global Changes meeting: PAGES Open Science Meeting (OSM), 09/05/2017, Zaragoza (España), Congreso

FRANCISCO J. RODRÍGUEZ TOVAR

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