



**Miriam Gomez Paccard
Gomez Paccard**

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Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

Actualmente trabajo como Investigadora Ramón y Cajal en el Instituto de Geociencias IGEO (CSIC, UCM). Mi línea de investigación principal es el **Paleomagnetismo** y, en particular, el estudio de las características espaciales y temporales del campo magnético terrestre a partir del registro magnético "fósil" de objetos arqueológicos, rocas y sedimentos. Me interesa no sólo el desarrollo de esta disciplina en sí misma sino también su **aplicación** a distintos campos de las **Geociencias** como, por ejemplo, el estudio de la **dinámica del núcleo externo de la Tierra** mediante el desarrollo de modelos geomagnéticos basados en datos paleomagnéticos o el estudio del **Cambio Global** a través de la **datación e identificación de cambios paleoclimáticos** a partir de proxies basados en las propiedades magnéticas de las rocas y sedimentos. En los últimos años he dedicado parte de mi investigación a evaluar la calidad de la base global de datos de paleointensidad con el fin de obtener modelos geomagnéticos más robustos y precisos. El desarrollo de una nueva generación de modelos geomagnéticos basados únicamente en datos de paleointensidad de calidad es crucial no sólo para comprender mejor el **origen y evolución del campo magnético terrestre** sino también para un correcto análisis de la **influencia de la actividad solar sobre el clima**, ya que actualmente las reconstrucciones de la actividad solar en el Holoceno se basan fundamentalmente en registros de ^{10}Be y ^{14}C , y la producción de estos isótopos en la alta atmósfera depende de las variaciones de intensidad del campo geomagnético.

Gracias a la experiencia adquirida durante **16 años de carrera** (≈ 6 en el extranjero) en **6 centros** de investigación distintos, he desarrollado una red de colaboración extensa, tanto a nivel nacional como internacional. He sido **Investigadora Principal de 4 proyectos** de investigación y he participado en **25 proyectos**. He publicado un total de **29 artículos incluidos en el SCI**, **12 artículos no incluidos en el SCI** pero sujetos a evaluación externa y **5 libros o capítulos de libro**. Soy **primera o segunda autora de más del 80% de mis publicaciones SCI**. De mis 29 artículos SCI, 10 de ellos han sido publicados en revistas del primer decil de sus áreas respectivas y otros 17 en el primer cuartil. Mis artículos SCI han sido **citados 592 veces** y mi **factor h es 16**. Como resultado de mi experiencia he sido **invitada a redactar 2 entradas en la SAS Encyclopedia of Archaeological Sciences** de la editorial Wiley, así como a presentar mis resultados en **3 conferencias invitadas en congresos internacionales** (EGU, AGU, Royal Astronomical Society of London) y en **7 reconocidas instituciones nacionales o internacionales** (IPGP, Géosciences-Montpellier, Museo del Prado...). Además, he organizado **13 sesiones científicas en congresos internacionales** del ámbito de las Geociencias (EGU, AGU y LatinMag 2016) y presentado 88 contribuciones en congresos. Actualmente, lidero la línea de **Paleointensidad en el IGEO**, **soy IP de 2 proyectos nacionales y 1 internacional y directora de 2 Tesis Doctorales** (M. Rivero y R. Bonilla). Además organizo y superviso el trabajo de **2 técnicos Y 1 Ayudante de Investigación** en el laboratorio de paleomagnetismo de la UCM.



General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

Total number of SCI articles = 29, being 27 of them included in the first quartile.
Total number of citations = 592
h- index = 16 (Scopus)

**Miriam Gomez Paccard Gomez Paccard**

Surname(s): **Gomez Paccard Gomez Paccard**
 Name: **Miriam**
 ORCID: **0000-0002-9339-3047**
 ScopusID: **23976050300**
 ResearcherID: **I-4077-2015**
 Date of birth: **16/06/1977**
 Gender: **Female**
 Nationality: **Spain**
 Country of birth: **Spain**
 Aut. region/reg. of birth: **Cantabria**
 City of birth: **Santander**
 Contact address: **Instituto de Geociencias (CSIC-UCM)**
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Current professional situation

Employing entity: Instituto de Geociencias (CSIC-UCM) **Type of entity:** R&D Centre

Professional category: Ramón y Cajal post-doctoral researcher

Start date: 01/05/2016

Type of contract: Temporary employment contract **Dedication regime:** Full time

Primary (UNESCO code): 250700 - Geophysics

Secondary (UNESCO code): 250701 - Geomagnetism and magnetic exploration; 250704 - Palaeomagnetism

Performed tasks: -Themes: Climate Variability; Rapid Climatic Changes; Paleosecular variation of the Earth's magnetic field, Rapid geomagnetic field changes. -Expertise: Paleomagnetism; Environmental or rock magnetism; Secular variation curves; Geomagnetic field models; Bayesian statistics. -Materials: Archeological materials, volcanic rocks and continental sediments. -Projects: Application of the paleomagnetic and rock-magnetic techniques for dating and identifying Holocene Climate Variability in Western Europe and the Azores Islands. High-resolution full-vector reconstructions of the past Earth's magnetic field in different regions (Europe, North Africa, Mexico, Argentina, Central Asia).

Identify key words: Geophysics

Previous positions and activities

	Employing entity	Professional category	Start date
1	Géosciences-rennes UMR-6118, Université de Rennes 1		01/03/2013

	Employing entity	Professional category	Start date
		Marie Curie post-doctoral researcher (Intra-European Fellowships 2012, FP7-PEOPLE)	
2	Instituto de Ciencias de la Tierra Jaume Almera (CSIC)	Ramón y Cajal post-doctoral researcher	01/09/2015
3	Consejo Superior de Investigaciones Científicas	JAE-Doc post-doctoral researcher	13/10/2009
4	Universitat de Barcelona	Juan de la Cierva post-doctoral researcher	01/01/2007
5	Centre National de la Recherche Scientifique	Marie-Curie pre-doctoral researcher	01/01/2003
6	Centre National de la Recherche Scientifique	Pre-doctoral researcher contract	01/12/2002
7	Universidad Complutense de Madrid	Pre-doctoral researcher fellowship	01/06/2001

- 1** **Employing entity:** Géosciences-rennes UMR-6118, Université de Rennes 1
Professional category: Marie Curie post-doctoral researcher (Intra-European Fellowships 2012, FP7-PEOPLE)
Start-End date: 01/03/2013 - 31/08/2015
- 2** **Employing entity:** Instituto de Ciencias de la Tierra Jaume Almera (CSIC)
Professional category: Ramón y Cajal post-doctoral researcher
Start-End date: 01/09/2015 - 30/04/2015 **Duration:** 8 months
- 3** **Employing entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Professional category: JAE-Doc post-doctoral researcher
Start-End date: 13/10/2009 - 01/02/2013 **Duration:** 3 years - 3 months - 20 days
- 4** **Employing entity:** Universitat de Barcelona **Type of entity:** University
Department: Facultat de Geologia
Professional category: Juan de la Cierva post-doctoral researcher
Start-End date: 01/01/2007 - 12/10/2009 **Duration:** 2 years - 9 months - 12 days
Type of contract: Temporary employment contract
- 5** **Employing entity:** Centre National de la Recherche Scientifique
Department: Géosciences-Rennes UMR-6118
Professional category: Marie-Curie pre-doctoral researcher
Start-End date: 01/01/2003 - 28/02/2006 **Duration:** 3 years - 2 months
Type of contract: Temporary employment contract
- 6** **Employing entity:** Centre National de la Recherche Scientifique **Type of entity:** State agency
Department: Civilisations Atlantiques et Archéosciences UMR-6566
Professional category: Pre-doctoral researcher contract
Start-End date: 01/12/2002 - 31/12/2002 **Duration:** 1 month
Type of contract: Temporary employment contract



- 7** **Employing entity:** Universidad Complutense de Madrid **Type of entity:** University
Department: Facultad de Ciencias Físicas
Professional category: Pre-doctoral researcher fellowship
Start-End date: 01/06/2001 - 30/11/2001 **Duration:** 6 months
Type of contract: Grant-assisted student (pre or post-doctoral, others)



Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

- 1 **Name of qualification:** Advanced Studies Diploma (ASD) in Earth Sciences
City degree awarding entity: Madrid, Community of Madrid, Spain
Degree awarding entity: Universidad Complutense **Type of entity:** University de Madrid
Date of qualification: 23/09/2002

- 2 **University degree:** Higher degree
Name of qualification: Bachelors degree in Physics (Geophysics)
City degree awarding entity: Madrid, Community of Madrid, Spain
Degree awarding entity: Universidad Complutense **Type of entity:** University de Madrid
Date of qualification: 06/11/2000

Doctorates

Doctorate programme: Earth Sciences
Degree awarding entity: Université de Rennes **Type of entity:** University
 1-Universidad Complutense de Madrid
City degree awarding entity: Rennes, Bretagne, France
Date of degree: 10/03/2006
DEA awarding entity: Universidad Complutense de Madrid
Date DEA was awarded: 23/09/2002
European doctorate: Yes **Date of certificate:** 10/03/2006
Thesis title: Étude de la variation de la direction et de l'intensité du champ géomagnétique en Espagne durant les deux derniers millénaires
Thesis director: Annick Chauvin
Thesis co-director: Maria Luisa Osete
Obtained qualification: Excellent Cum Laude by unanimity
Recognition of quality: Yes

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
French		C1	C1	C1	C1
English		C1	C1	C1	C1



Teaching experience

General teaching experience

- 1** **Type of teaching:** Official teaching
Name of the course: Física II: Prácticas de Laboratorio
Type of programme: Bachelor's degree **Type of teaching:** In person theory
University degree: Grado en Ingeniería Geológica
Frequency of the activity: 1
Start date: 2018 **End date:** 2019
End date: 2019 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 12
Entity: Universidad Complutense de Madrid **Type of entity:** University
Faculty, institute or centre: Faculta de Ciencias Físicas
- 2** **Type of teaching:** Official teaching
Name of the course: Física de la Tierra
Type of programme: Bachelor's degree **Type of teaching:** In person theory
University degree: Grado en Físicas
Frequency of the activity: 1
Start date: 2018 **End date:** 2019
End date: 2019 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 4,5
Entity: Universidad Complutense de Madrid **Type of entity:** University
Faculty, institute or centre: Faculta de Ciencias Físicas
- 3** **Type of teaching:** Official teaching
Name of the course: Geofísica y Meteorología Aplicadas
Type of programme: Bachelor's degree **Type of teaching:** In person theory
University degree: Grado en Físicas
Frequency of the activity: 1
Start date: 2018 **End date:** 2019
End date: 2019 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 6
Entity: Universidad Complutense de Madrid **Type of entity:** University
Faculty, institute or centre: Faculta de Ciencias Físicas
- 4** **Type of teaching:** Official teaching
Name of the course: Geomagnetismo y Gravimetría
Type of programme: Bachelor's degree **Type of teaching:** In person theory
University degree: Grado en Físicas
Frequency of the activity: 1
Start date: 2018 **End date:** 2019
End date: 2019 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 3
Entity: Universidad Complutense de Madrid **Type of entity:** University
Faculty, institute or centre: Faculta de Ciencias Físicas



- 5** **Type of teaching:** Official teaching
Name of the course: Laboratorio de Física, 1er curso
Type of programme: Bachelor's degree
University degree: Grado en Química
Frequency of the activity: 2
Start date: 2017
End date: 2018
Hours/ECTS credits: 24
Entity: Universidad Complutense de Madrid
- Type of teaching:** In person theory
End date: 2018
Type of hours/ ECTS credits: Credits
Type of entity: University
- 6** **Type of teaching:** Official teaching
Name of the course: Seminarios de la la asignatura Fundamentos de Física II de 1º de Grado en Física
Type of programme: Bachelor's degree
University degree: Grado en Física
Frequency of the activity: 1
Start date: 2017
End date: 2018
Hours/ECTS credits: 2
Entity: Universidad Complutense de Madrid
Faculty, institute or centre: Faculta de Ciencias Físicas
- Type of teaching:** In person theory
End date: 2018
Type of hours/ ECTS credits: Credits
Type of entity: University
- 7** **Type of teaching:** Official teaching
Name of the course: Paleoecología
Type of programme: Bachelor's degree
University degree: Curso de posgrado
Frequency of the activity: 5
Start date: 2016
End date: 2017
Hours/ECTS credits: 4
Entity: Instituto de Ciencias de la Tierra Jaume Almera, ICTJA, CSIC
- Type of teaching:** In person theory
End date: 2017
Type of hours/ ECTS credits: Credits
- 8** **Type of teaching:** Official teaching
Name of the course: Metodologia Arqueológica
Type of programme: Bachelor's degree
University degree: Grado de Arqueología
Frequency of the activity: 5
Start date: 2010
End date: 2016
Hours/ECTS credits: 4
Entity: Universitat de Barcelona
Faculty, institute or centre: Facultat de Geografia e Historia
- Type of teaching:** In person theory
End date: 2016
Type of hours/ ECTS credits: Credits
Type of entity: University
- 9** **Type of teaching:** Official teaching
Name of the course: Geomagnetismo
Type of programme: Master's degree
University degree: Master Universitario de Geofísica
Frequency of the activity: 3
Start date: 2007
End date: 2012
Hours/ECTS credits: 4
- Type of teaching:** In person theory
End date: 2012
Type of hours/ ECTS credits: Credits



Entity: Universitat de Barcelona/Universitat Ramon LLull **Type of entity:** University
Faculty, institute or centre: Facultat de Geologia

Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Geomagnetic field rapid changes in the Eurasian continent. First full-vector archeomagnetic results from Uzbekistán
Co-director of thesis: Miriam Gómez Paccard
Entity: Instituto de Geociencias (CSIC, UCM)
Student: Raquel Bonilla Alba
Date of reading: 25/06/2022
- 2** **Project title:** Rapid geomagnetic field intensity events in the Mediterranean
Co-director of thesis: Miriam Gómez Paccard; Francisco J. Pavón Carrasco
Entity: Instituto de Geociencias (CSIC, UCM)
Student: Mercedes Rivero Montero
Date of reading: 25/06/2021
- 3** **Project title:** Beca JAE-INTRO. Estudio del campo geomagnético en el pasado a partir de material arqueológico de Uzbekistán
Co-director of thesis: Miriam Gómez Paccard
Entity: Instituto de Geociencias (CSIC, UCM)
Student: Judit del Río Alba
Date of reading: 2019
- 4** **Project title:** Modelización geomagnética de las variaciones del campo magnético del pasado a partir de la revisión de la base global de datos arqueomagnéticos europeos mediante la técnica R-SCHA
Type of project: Contrato postdoctoral
Co-director of thesis: Miriam Gómez Paccard
Entity: Instituto de Geociencias (CSIC, UCM)
Student: F.J. Pavón Carrasco
Date of reading: 2018
- 5** **Project title:** El pasado del campo magnético terrestre registrado en yacimientos arqueológicos
Type of project: Proyecto Fin de Grado
Co-director of thesis: María Luisa Osete López; Miriam Gómez Paccard
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: A. Rey Rodriguez
Date of reading: 2018
- 6** **Project title:** Estudio de la intensidad del campo geomagnético en el pasado a partir de cerámicas uzbekas
Type of project: Proyecto Fin de Máster
Co-director of thesis: Miriam Gómez Paccard; María Luisa Osete López
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Raquel Bonilla Alba
Obtained qualification: 10.0
Date of reading: 2018



- 7** **Project title:** Estudio de la intensidad del campo geomagnético en el pasado a partir de cerámicas uzbekas
Type of project: Proyecto Fin de Máster
Co-director of thesis: Miriam Gómez Paccard; María Luisa Osete López
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Raquel Bonilla Alba
Obtained qualification: 10.0
Date of reading: 2018
- 8** **Project title:** El pasado del campo magnético terrestre registrado en yacimientos arqueológicos
Type of project: Proyecto Fin de Grado
Co-director of thesis: Miriam Gómez Paccard; María Luisa Osete
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: C. Martín Rubio
Date of reading: 2017
- 9** **Project title:** Geomagnetismo y Biomagnetismo: orientación animal y campo magnético terrestre
Type of project: Proyecto Fin de Grado
Co-director of thesis: Miriam Gómez Paccard; Fátima Martín Hernández
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: A.A. Martín Canca
Date of reading: 2017
- 10** **Project title:** Propiedades magnéticas de yacimientos arqueológicos
Type of project: Proyecto Fin de Grado
Co-director of thesis: Fátima Martín Hernández; Miriam Gómez Paccard
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: M. Arroyo Bellón
Date of reading: 2017
- 11** **Project title:** Paleointensidad del campo geomagnético en Iberia en la época romana
Type of project: Proyecto Fin de Máster
Co-director of thesis: Alicia Palencia Ortas; María Luisa Osete; Miriam Gómez Paccard
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Julio Marchamalo
Obtained qualification: 9.3
Date of reading: 2017
- 12** **Project title:** Magnetismo Ambiental, indicador de la variabilidad climática en el entorno del lago de Sanabria, últimos 26000 años
Type of project: Proyecto Fin de Máster
Co-director of thesis: Juan Cruz Larrasoña
Entity: Universidad de Zaragoza **Type of entity:** University
Student: Violeta Borruei
Obtained qualification: 9.2
Date of reading: 2012



Scientific and technological experience

Research and development groups/teams

- 1** **Name of the group:** Grupo de historia de la Universidad de Valencia
Aims of the group: Desarrollo del arqueomagnetismo en Guatemala
Type of collaboration: Co-authorship of international collaboration
Affiliation entity: Universitat de València **Type of entity:** University
Start date: 2018
- 2** **Name of the group:** Grupo de geoarqueología de la Universidad Nacional de Tucumán
Aims of the group: Desarrollo del arqueomagnetismo en Argentina
Type of collaboration: Co-authorship of international collaboration
Affiliation entity: Universidad Nacional de Tucumán
Start date: 2017
- 3** **Name of the group:** Grupo de “sociedades prehistóricas” de la Universidad Nacional de Jujuy.
Aims of the group: Desarrollo del arqueomagnetismo en Argentina
Type of collaboration: Co-authorship of international collaboration
Affiliation entity: Universidad de Jujuy
Start date: 2016
- 4** **Name of the group:** Grupo de arqueología de la Universidad de Barcelona
Aims of the group: Desarrollo del arqueomagnetismo en España y Uzbekistán
Type of collaboration: Co-authorship of international collaboration
Affiliation entity: Universitat de Barcelona **Type of entity:** University
Start date: 2015
- 5** **Name of the group:** Group of Paleomagnetism of the Institute of Earth's Science Jaume Almera (CSIC-UB)
Aims of the group: Geological, paleoclimatic and dating applications of the paleomagnetic technique
Type of collaboration: Co-authorship of projects and their development
Affiliation entity: CSIC/Universitat de Barcelona **Type of entity:** Public Research Body
Start date: 2012 **Duration:** 8 years - 1 month
- 6** **Name of the group:** Group of Archeomagnetism
Aims of the group: Study of the Earth's magnetic field in Eastern Europe during the last millennia
Type of collaboration: Co-authorship of international collaboration
Affiliation entity: Università degli Studi di Torino **Type of entity:** University
Start date: 2012 **Duration:** 2 years - 1 month
- 7** **Name of the group:** PaleoNao group
Aims of the group: High-resolution paleoclimatic reconstructions
Type of collaboration: Co-authorship of projects and their development
Affiliation entity: CSIC/Universitat de Barcelona/University of A Coruña/Rovira i Vigili University/Universidade das Açores/IGME
Start date: 2009 **Duration:** 3 years - 2 months



- 8 Name of the group:** Group of Archeomagnetism
Aims of the group: Archeomagnetic study of archeological sites from Greece
Type of collaboration: Co-authorship of international collaboration
Affiliation entity: University of Thessaloniki **Type of entity:** University
Start date: 2008 **Duration:** 7 years
- 9 Name of the group:** Groupe de Paléomagnétisme et Archéomagnétisme de Géosciences-Rennes
Aims of the group: Archeomagnetic, archeointensity and rock-magnetic study of archeological sites
Type of collaboration: Co-authorship of international collaboration
Affiliation entity: Université de Rennes 1/Centre National de la Recherche Scientifique **Type of entity:** University
Start date: 2002 **Duration:** 9 years - 11 months
- 10 Name of the group:** AARCH group
Aims of the group: Development of the archeomagnetic research in Europe
Type of collaboration: Co-authorship of international collaboration
Affiliation entity: European Network (Marie Curie)
Start date: 2002 **Duration:** 3 years - 10 months
- 11 Name of the group:** MAG-NET group
Aims of the group: Mineral Magnetic Studies of Environmental Problems
Type of collaboration: Co-authorship of international collaboration
Affiliation entity: European Network (Marie Curie)
Start date: 2002 **Duration:** 1 year
- 12 Name of the group:** Grupo de paleomagnetismo de la Universidad Complutense de Madrid.
Aims of the group: Desarrollo del arqueomagnetismo en España y Portugal
Type of collaboration: Co-authorship of international collaboration
Affiliation entity: Universidad Complutense de Madrid **Type of entity:** University
Start date: 2000

Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

- 1 Name of the project:** Ayudas para la realización de contratos para ayudantes de investigación y AYUDANTE DE INVESTIGACIÓN G2 de la Comunidad de Madrid 2018
Entity where project took place: Instituto de Geociencias IGEO (CSIC, UCM). **Type of entity:** Public Research Body
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI...): M. Gómez-Paccard
Nº of researchers: 1
Start-End date: 16/05/2019 - 15/05/2021
Total amount: 45.000 €
- 2 Name of the project:** Grupo de Investigación en arqueología protohistórica. Grupo consolidado de la Generalitat de Cataluña. (2017-SGR 1273)
Entity where project took place: Universitat de Barcelona **Type of entity:** University



City of entity: Barcelona,
Start-End date: 01/01/2018 - 31/12/2020
Total amount: 20.000 €

- 3** **Name of the project:** Assessing Past Complex Societies from Central Asia through the pottery. Between the nomadic traditions and the Mediterranean influences (CERAC)
Entity where project took place: Universitat de Barcelona **Type of entity:** University
City of entity: Barcelona, Spain
Name principal investigator (PI, Co-PI...): V. Martínez-Ferreras; J.M. Gurt
Start-End date: 01/01/2019 - 31/08/2020
Total amount: 47.200 €
- 4** **Name of the project:** Past geomagnetic field variations: application to Earth and Environmental Sciences (MAGPAST, RYC-2013-14405). Ayudas a la incorporación de personal.
Entity where project took place: Instituto de Geociencias (CSIC-UCM) **Type of entity:** Public Research Body
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI...): Miriam Gomez Paccard
Nº of researchers: 1
Funding entity or bodies: Ministerio de Economía y Competitividad (Spain) **Type of entity:** Public Research Body
Start-End date: 01/09/2015 - 31/08/2020
Total amount: 40.000 €
- 5** **Name of the project:** En busca del desencadenante de Inversiones Geomagnéticas: BIGMAG. (CGL2017-92285-exp). EXPLORA CIENCIA.
Entity where project took place: Universidad Complutense de Madrid
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI...): Maria Luisa Osete Lopez
Funding entity or bodies: Ministerio de Economía y Competitividad (Spain)
Start-End date: 01/01/2018 - 31/12/2019
Total amount: 36.300 €
- 6** **Name of the project:** RED DE EXCELENCIA MAGIBER II: Paleomagnetismo en España; Nuevos Retos (CGL2017-90632-REDT)
Entity where project took place: IGME
City of entity: Madrid, Spain
Funding entity or bodies: Ministerio de Economía y Competitividad (Spain)
Start-End date: 01/01/2018 - 31/12/2019
Total amount: 10.000 €
- 7** **Name of the project:** Relevant features of the past Earth's magnetic field from magnetic studies (ARCHMAG, PICS2016FR9).
Entity where project took place: Instituto de Geociencias (CSIC-UCM) **Type of entity:** Public Research Body
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI...): Miriam Gomez Paccard; Annick Chauvin



Nº of researchers: 12

Funding entity or bodies:

CSIC/CNRS

Start-End date: 01/01/2017 - 31/12/2019

Total amount: 25.000 €

8 Name of the project: Rapid geomagnetic field intensity events in the Mediterranean: trends from Late Bronze settlements and Late Roman fine wares (CGL2015-63888-R)

Entity where project took place: Instituto de Geociencias (CSIC-UCM)

City of entity: Madrid, Spain

Name principal investigator (PI, Co-PI....): Miriam Gomez Paccard

Nº of researchers: 1

Funding entity or bodies:

Ministerio de Economía y Competitividad (Spain)

Start-End date: 01/01/2016 - 31/12/2019

Total amount: 60.500 €

9 Name of the project: Grupo Paleomagnetismo 910396 de la UCM.

Entity where project took place: FUNDACION GENERAL DE LA UNIVERSIDAD COMPLUTENSE DE MADRID

City of entity: Madrid,

Name principal investigator (PI, Co-PI....): M.L. Osete

Start-End date: 01/01/2018 - 31/12/2018

Total amount: 2.200 €

10 Name of the project: Jefaturas protohistóricas: Análisis del desarrollo de la complejidad política durante las primeras fases protohistóricas en las tierras del río Senia y del curso bajo del Ebro (HAR2015-69251-P)

Entity where project took place: Universitat de Barcelona **Type of entity:** University

City of entity: Barcelona, Spain

Name principal investigator (PI, Co-PI....): F. Gracia-Alonso; D. García i Rubert

Start-End date: 01/01/2016 - 31/12/2018

Total amount: 39.200 €

11 Name of the project: Jerks Arqueomagnéticos. Un estudio crítico a partir de yacimientos arqueológicos de Iberia y Canarias (JACQUI CGL2014-54112-R)

Entity where project took place: FUNDACION GENERAL DE LA UNIVERSIDAD COMPLUTENSE DE MADRID

City of entity: Madrid, Spain

Name principal investigator (PI, Co-PI....): M.L. Osete

Start-End date: 01/01/2015 - 31/12/2017

Total amount: 81.000 €

12 Name of the project: RED DE EXCELENCIA MAGIBER I: Paleomagnetism in Iberia and Canary Islands

Entity where project took place: IGME

City of entity: Madrid, Spain

Name principal investigator (PI, Co-PI....): M.L. Osete

Funding entity or bodies:

Ministerio de Economía y Competitividad (Spain)

Start-End date: 01/01/2014 - 31/12/2016



Total amount: 25.000 €

- 13 Name of the project:** The NAO reconstruction during the Holocene Rapid Climate Change periods (RAPIDNAO)
Entity where project took place: Universitat de Barcelona
Type of entity: University
City of entity: Barcelona, Spain
Start-End date: 01/01/2014 - 31/12/2016
Total amount: 166.000 €
- 14 Name of the project:** El pasado del campo magnético terrestre. Implicaciones futuras (EUIN2013-50737).
Entity where project took place: Universidad Complutense de Madrid
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI....): Maria Luisa Osete Lopez
Funding entity or bodies: Ministerio de Economía y Competitividad (Spain)
Start-End date: 01/06/2014 - 31/05/2016
Total amount: 249.000 €
- 15 Name of the project:** Grupo Paleomagnetismo 910396 de la UCM.
Entity where project took place: FUNDACION GENERAL DE LA UNIVERSIDAD COMPLUTENSE DE MADRID
City of entity: Madrid,
Name principal investigator (PI, Co-PI....): G. McIntosh
Start-End date: 01/01/2014 - 31/12/2015
Total amount: 2.500 €
- 16 Name of the project:** Paleomagnetic applications for dating and identifying Holocene Climate variability in southwestern Europe and Azores Islands as recorded by lake sediments
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** European Union
Degree of contribution: Scientific coordinator
Entity where project took place: Géosciences-Rennes-UMR 6118 (Université de Rennes 1-CNRS)
City of entity: Rennes, France
Name principal investigator (PI, Co-PI....): Miriam Gómez Paccard
Nº of researchers: 1 **Nª people/year:** 0
Funding entity or bodies: European Union **Type of entity:** Public Research Body
Type of participation: Co-ordinator
Start-End date: 01/03/2013 - 31/08/2015
Total amount: 19.200 €
Dedication regime: Full time
- 17 Name of the project:** ChronoModel (Chronological modelling and software development for chronological data processing in archaeometry, archaeology and Earth sciences)
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** European Union
Degree of contribution: Researcher
Entity where project took place: Institut de Recherche sur les ArchéoMatériaux (IRAMAT) UMR 5060 (Université de Bordeaux 3-CNRS)
City of entity: Bordeaux, France



Name principal investigator (PI, Co-PI....): Philippe Lanos

Nº of researchers: 13

Funding entity or bodies:

Agence National de la Recherche

Type of entity: Public Research Body

City funding entity: France

Start-End date: 01/11/2011 - 31/01/2015

Duration: 3 years - 3 months

Total amount: 321.192,56 €

Dedication regime: Part time

18 Name of the project: Combined archeomagnetic and luminescence data for the completion of the greek secular variation curves during prehistoric times

Entity where project took place: University of Thessaloniki

City of entity: Thessaloniki, Greece

Name principal investigator (PI, Co-PI....): Despoina Kondopoulou

Funding entity or bodies:

Institute for Aegean Prehistory (United States)

Start-End date: 01/01/2013 - 31/12/2014

Total amount: 10.000 €

19 Name of the project: Variation Séculaire du champ géomagnétique: apport de l'archéomagnétisme et des sédiments lacustres

Type of project: Basic research (including archaeological digs, etc)

Geographical area: European Union

Degree of contribution: Researcher

Entity where project took place:

Type of entity: Public Research Body

Géosciences-Rennes UMR 6118 (Université de Rennes 1-CNRS)

City of entity: Rennes, France

Name principal investigator (PI, Co-PI....): Annick Chauvin

Nº of researchers: 6

Funding entity or bodies:

Centre National de la Recherche Scientifique (CNRS_INSU)

Type of entity: Public Research Body

City funding entity: France

Start-End date: 01/01/2013 - 31/12/2013

Total amount: 9.000 €

20 Name of the project: Control climático orbital en medios sedimentarios continentales y marinos someros COFORSED (CGL2010-17479)

Type of project: Basic research (including archaeological digs, etc)

Geographical area: National

Degree of contribution: Collaborator

Entity where project took place: Universitat de Barcelona

City of entity: Barcelona, Spain

Name principal investigator (PI, Co-PI....): M. Garcés

Start-End date: 01/01/2011 - 31/12/2013

Applicant's contribution: Colaboration attested by several SCI papers (#7, 20, 21).



- 21 Name of the project:** Evolución de la NAO durante los últimos 15000 años en la Península Ibérica y en Azores a partir del estudio de registros lacustres y datos climáticos instrumentales (CGL2010-15767/BTE)
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** National
Degree of contribution: Researcher
Entity where project took place: Instituto de Ciencias de la Tierra Jaume Almera ICTJA-CSIC **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Name principal investigator (PI, Co-PI....): Santiago Giralt Romeu
Nº of researchers: 20
Funding entity or bodies: Ministerio de Ciencia e Innovación.
Start-End date: 01/01/2011 - 31/12/2013 **Duration:** 2 years - 11 months - 30 days
Participating entity/entities: CSIC; Centro de Estudios y Experimentacion de Obras Publicas (CEDEX); Centro de Geofísica da Universidade de Lisboa; Instituto Geologico y Minero de España (IGME); Parque Natural de Peñalara; Universitat de Barcelona; Universidade da Coruña; Universidade dos Açores; Universitat Rovira i Virgili
Total amount: 228.690 €
Dedication regime: Full time
Applicant's contribution: I am in charge of the rock-magnetic and paleomagnetic study of the sediments recovered within the framework of this project. My main objective is to give a forward step towards the use of these techniques for dating and identifying Holocene climate variability in southwestern Europe and Azores Islands.
- 22 Name of the project:** La variación secular del campo geomagnético en Eurasia y Norte de África a partir de datos arqueomagnéticos. Últimos 8000 años (CGL2011-24790)
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** National
Degree of contribution: Collaborator
Entity where project took place: Universidad Complutense de Madrid **Type of entity:** University
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI....): M.L. Osete
Nº of researchers: 9
Type of participation: Others
Start-End date: 01/01/2012 - 31/12/2012
Applicant's contribution: Colaboration attested by several SCI papers (#2, 3, 4, 6, 8).
- 23 Name of the project:** Estudio de la Variación Secular durante el pasado arqueológico - Grupo Paleomagnetismo 910396
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** National
Degree of contribution: Researcher
Entity where project took place: Universidad Complutense de Madrid **Type of entity:** University
City of entity: Madrid, Community of Madrid, Spain
Name principal investigator (PI, Co-PI....): Maria Luisa Osete; Gregg McIntosh
Nº of researchers: 10
Funding entity or bodies: Universidad Complutense de Madrid **Type of entity:** University
City funding entity: Madrid, Community of Madrid, Spain
Comunidad Autónoma de Madrid



City funding entity: Madrid, Community of Madrid, Spain

Start-End date: 01/01/2011 - 31/12/2011

Duration: 11 months - 30 days

Participating entity/entities: Consejo Superior de Investigaciones Científicas; Instituto Geográfico Nacional; Universidad Complutense de Madrid

Total amount: 2.097 €

Dedication regime: Part time

Applicant's contribution: I was in charge of the archeomagnetic study of samples recovered between the framework of the project. I led the acquisition of paleointensity data, a technique that only few paleomagnetic laboratories in Europe can applied. I was involved in the presentation of the results obtained to the international community (see list of congresses and publications).

24 Name of the project: Estudio de la Variación Secular durante el pasado arqueológico. Grupo Paleomagnetismo 910396.

Entity where project took place: FUNDACION GENERAL DE LA UNIVERSIDAD COMPLUTENSE DE MADRID

City of entity: Madrid,

Name principal investigator (PI, Co-PI...): G. McIntosh

Start-End date: 01/01/2011 - 31/12/2011

Total amount: 2.900 €

25 Name of the project: Time clustering, frequency, localization and extension of lavaflows at Teide and Vesuvius: a comparative and multidisciplinary investigation of emplacement features and mapping of the associated risk

Type of project: Basic research (including archaeological digs, etc)

Geographical area: European Union

Degree of contribution: Researcher

Entity where project took place: Istituto Geoscienze et Georisorse CNR / Instituto de Ciencias de la Tierra Jaume Almera ICTJA-CSIC

City of entity: Pisa/Barcelona, Italy

Name principal investigator (PI, Co-PI...): Claudia Principe; Daniele Giordano

Nº of researchers: 10

Funding entity or bodies:

Ministerio de Ciencia e Innovación.

Start-End date: 01/01/2011 - 31/12/2011

Duration: 1 year

Participating entity/entities: CNR Italia; CSIC

Total amount: 8.000 €

Dedication regime: Part time

Applicant's contribution: As an expert in the application of the archeomagnetic technique as a tool for dating archeological and volcanic material I have been requested to participate in this project. I therefore participated in the archeomagnetic interpretation of the results obtained during the implementation of the project.

26 Name of the project: Estudio y modelado de la variación secular del campo geomagnético en Europa y Norte de África durante los últimos 10000 años. Desarrollo de aplicaciones (CGL2008-02203/BTE)

Type of project: Basic research (including archaeological digs, etc)

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Universidad Complutense de Madrid

Type of entity: University

City of entity: Madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI...): Maria Luisa Osete

Nº of researchers: 10

**Funding entity or bodies:**

Ministerio de Educación y Ciencia

Start-End date: 01/10/2008 - 30/09/2011**Duration:** 3 years**Participating entity/entities:** Academia de Ciencias de Bulgaria; Instituto Geográfico Nacional; Universidad Complutense de Madrid; Universidad de Turín**Total amount:** 60.000 €**Dedication regime:** Part time**Applicant's contribution:** I participated in all the scientific activities of the project: sampling field campaigns, laboratory work (rock-magnetic and paleomagnetic data acquisition) and interpretation of the results. I have also presented the results in several congresses and scientific journals (see list of congresses and publications).

27 Name of the project: Reconstrucción y modelización 3D y 4D de sistemas sedimentarios REMOSS 3D-4D (CGL2007-66431-C02/BTE)

Type of project: Basic research (including archaeological digs, etc)**Geographical area:** National**Degree of contribution:** Researcher**Entity where project took place:** Universitat de Barcelona**Type of entity:** University**City of entity:** Barcelona, Catalonia, Spain**Name principal investigator (PI, Co-PI....):** Miguel López Blanco**Nº of researchers:** 16**Funding entity or bodies:**

Minsiterio de Ciencia y Tecnologia

Start-End date: 01/10/2007 - 30/06/2011**Duration:** 3 years - 8 months - 29 days**Participating entity/entities:** CSIC; Universitat de Barcelona**Total amount:** 136.730 €**Dedication regime:** Part time**Applicant's contribution:** I was in charge of the magnetostratigraphic study of several sedimentary sections of the Montserrat fan-delta system and the Ebro Basin. I was involved in the sampling campaigns, I performed the paleomagnetic measurements of the collected stratigraphic sections, and was involved in the interpretation of the data. I presented the results in several congresses and scientific journals (see list of publications and congresses).

28 Name of the project: Estudio de la Variación Secular durante el pasado arqueológico. Grupo Paleomagnetismo GR-910396.

Entity where project took place: FUNDACION GENERAL DE LA UNIVERSIDAD COMPLUTENSE DE MADRID**City of entity:** Madrid,**Name principal investigator (PI, Co-PI....):** G. McIntosh**Start-End date:** 01/01/2009 - 31/12/2010**Total amount:** 6.300 €

29 Name of the project: Estudio de la Variación Secular durante el pasado arqueológico - Grupo Paleomagnetismo 910396

Type of project: Basic research (including archaeological digs, etc)**Geographical area:** National**Degree of contribution:** Researcher**Entity where project took place:** Universidad Complutense de Madrid**Type of entity:** University**City of entity:** Madrid, Community of Madrid, Spain**Name principal investigator (PI, Co-PI....):** María Luisa Osete; Gregg McIntosh



Nº of researchers: 10

Funding entity or bodies:

Universidad Complutense de Madrid

Type of entity: University

City funding entity: Madrid, Community of Madrid, Spain

Comunidad Autónoma de Madrid

City funding entity: Madrid, Community of Madrid, Spain

Start-End date: 01/01/2009 - 31/12/2009

Duration: 11 months - 30 days

Participating entity/entities: Consejo Superior de Investigaciones Científicas; Instituto Geográfico Nacional; Universidad Complutense de Madrid

Total amount: 6.290 €

Dedication regime: Part time

Applicant's contribution: I was in charge of the archeomagnetic study of samples recovered between the framework of the project. I led the acquisition of paleointensity data, a technique that only few paleomagnetic laboratories in Europe can applied. I was involved in the interpretation and presentation of the results to the international community (see list of congresses and publications).

30 Name of the project: Estudio de la intensidad del campo magnético terrestre durante el pasado arqueológico. Grupo Paleomagnetismo 910396.

Entity where project took place: FUNDACION GENERAL DE LA UNIVERSIDAD COMPLUTENSE DE MADRID

City of entity: Madrid,

Name principal investigator (PI, Co-PI....): G. McIntosh

Start-End date: 01/01/2008 - 31/12/2008

Total amount: 10.000 €

31 Name of the project: Estudio de la intensidad del campo magnético terrestre durante el pasado arqueológico-Grupo Paleomagnetismo 910396 (CCG07-UCM/ESP-3078)

Type of project: Basic research (including archaeological digs, etc)

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Universidad Complutense de Madrid

Type of entity: University

City of entity: Madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): Gregg McIntosh; María Luisa Osete

Nº of researchers: 11

Start-End date: 01/01/2008 - 21/12/2008

Duration: 11 months - 20 days

Participating entity/entities: Centro Superior de Investigaciones Científicas; Instituto Geográfico Nacional; Universidad Complutense de Madrid; Universitat de Barcelona

Total amount: 10.009,27 €

Dedication regime: Part time

Applicant's contribution: I was in charge of the archeomagnetic study of samples recovered between the framework of the project. I led the acquisition of paleointensity data and was involved in the interpretation and presentation of the results to the international community (see list of congresses and publications).

32 Name of the project: Estudio de la variación secular del campo magnético terrestre en Iberia durante los últimos 10.000 años a partir de datos paleomagnéticos (CGL20005 00211-BTE)

Type of project: Basic research (including archaeological digs, etc)

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Universidad Complutense de Madrid

Type of entity: University

City of entity: Madrid, Community of Madrid, Spain



Name principal investigator (PI, Co-PI....): Maria Luisa Osete López

Nº of researchers: 12

Funding entity or bodies:

Ministerio de Educación y Ciencia

Start-End date: 01/09/2005 - 30/08/2008

Duration: 3 years

Participating entity/entities: CNRS; Instituto Geográfico Nacional; Universidad Complutense de Madrid; Universitat de Barcelona; Université de Rennes 1

Total amount: 77.350 €

Dedication regime: Full time

Applicant's contribution: I was in charge of the archeomagnetic study of samples recovered between the framework of the project and led paleointensity data acquisition experiments. I participated in sampling campaigns, data acquisition and interpretation of the data. The main results obtained within the framework of this project have been published in high-impact journals and presented in international and national congresses (see list of publications and congresses)

33 Name of the project: Modelos análogos 3D de reservorios sedimentarios (CGL2004-05816)

Type of project: Basic research (including archaeological digs, etc)

Geographical area: National

Degree of contribution: Collaborator

Entity where project took place: Universitat de Barcelona

City of entity: Barcelona, Spain

Name principal investigator (PI, Co-PI....): L. Cabrera

Start-End date: 12/12/2004 - 12/12/2007

Applicant's contribution: The first year of my Juan de la Cierva post-doctoral stage was performed under the framework of this project (SCI paper #7)

34 Name of the project: AARCH (Archaeomagnetic Applications for the Rescue of Cultural Heritage) Research Training Network (HPRN-CT-2002-00219)

Type of project: Basic research (including archaeological digs, etc)

Geographical area: European Union

Degree of contribution: Researcher

Entity where project took place: Research Network

Name principal investigator (PI, Co-PI....): Catherine Batt

Nº of researchers: 34

Funding entity or bodies:

European Union

Name of the programme: Programa: Redes de Capital Humano y Movilidad. Red Marie Curie.

Start-End date: 01/11/2002 - 31/08/2006

Duration: 3 years - 10 months

Participating entity/entities: Bulgarian Academy of Sciences (Bulgaria); Centre National de la recherche scientifique (Francia); Centre de Physique du Globe (Bélgica); Univ. Bradford (Reino Unido); Univ. Complutense de Madrid (Spain); Univ. Leoben (Austria); Univ. Thessaloniki (Grecia); Università degli studi di Torino (Italia); Università degli studi di Napoli (Italy); University of Aarhus (Dinamarca); University of Liverpool (Reino Unido); University of Plymouth (Reino Unido); coordinador proyecto)

Total amount: 1.484.946 €

Dedication regime: Full time

Applicant's contribution: My PhD stage was performed within the framework of this European Network. During my PhD, I have applied, for the first time, the archeomagnetic and archeointensity techniques to a large set of archeological remains from the Iberian Peninsula. As a result of my work, the first secular variation curve for the Iberian Peninsula was obtained. A refined description of geomagnetic field intensity changes in Western Europe was also obtained. The results have been published on several high-impact SCI journals (Physics of the Earth and Planetary Interiors, Journal of Geophysical Research, Geochemistry Geophysics Geosystems, Geophysical Journal International)

- 35** **Name of the project:** Network for mineral magnetic studies of Environmental problems. (MAGNET)
CT98-0247
- Type of project:** Basic research (including archaeological digs, etc) **Geographical area:** European Union
- Degree of contribution:** Collaborator
- Entity where project took place:** Univ. Southampton, Univ. of Liverpool, Univ. of East Anglia, Univ. of Utrecht, ETH-Zurich, Univ. Leoben, Univ. München, Instituto Nazionale di Geofisica, Univ. Marseille, Univ. Complutense de Madrid
- Name principal investigator (PI, Co-PI....):** A.P. Roberts
- Nº of researchers:** 28
- Start-End date:** 01/01/1998 - 01/10/2001
- Applicant's contribution:** My Advanced Studies Diploma stage was performed under the framework of this project. The results were published in two SCI journals (papers #15, 19, see list) and in four conferences (#47-50)

R&D non-competitive contracts, agreements or projects with public or private entities

- 1** **Name of the project:** Datación arqueomagnética de 1 horno medieval de Cáceres
- Type of project:** Research and development, including transfer **Geographical area:** National
- Degree of contribution:** Scientific coordinator
- Entity where project took place:** Instituto de Geociencias (CSIC, UCM)
- City of entity:** Madrid, Spain
- Name principal investigator (PI, Co-PI....):** M. Gómez-Paccard; J. Carmona; M. Rivero; R. Bonilla
- Nº of researchers:** 4
- Funding entity or bodies:** Casa Velázquez **Type of entity:** Public Research Body
- Start date:** 2019 **Duration:** 6 months
- Total amount:** 2.544 €
- 2** **Name of the project:** Archaeomagnetic dating of the Beaucaire kilns (Beaucaire, France)
- Type of project:** Basic research (including archaeological digs, etc) **Geographical area:** National
- Degree of contribution:** Scientific coordinator
- Entity where project took place:** Consejo Superior de Investigaciones Científicas/Universitat de Barcelona
- City of entity:** Barcelona, Catalonia, Spain
- Name principal investigator (PI, Co-PI....):** Miriam Gómez Paccard; Elisabet Beamud
- Nº of researchers:** 2
- Participating entity/entities:** Consejo Superior de Investigaciones Científicas; Universitat de Barcelona
- Funding entity or bodies:** HADÈS **Type of entity:** Business
- City funding entity:** Balmes, France
- Start date:** 2009
- Total amount:** 2.820 €
- 3** **Name of the project:** Datació arqueomagnètica de 5 estructures de combustió al jaciment Bosc de la Torre del Bac (Fornells de la Selva, Girona)
- Type of project:** Basic research (including archaeological digs, etc) **Geographical area:** National



Degree of contribution: Scientific coordinator

Entity where project took place: Consejo Superior de Investigaciones Científicas/Universitat de Barcelona

City of entity: Barcelona, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Miriam Gómez-Paccard; Elisabet Beamud

Nº of researchers: 2

Participating entity/entities: Centro Nacional de Investigaciones Científicas; Universitat de Barcelona

Funding entity or bodies:

Janus SL

Type of entity: Business

Start date: 2009

Total amount: 2.844 €

4 Name of the project: Estudi arqueomagnètic de l'estructura de combustió del jaciment de l'Esquerda (Roda de Ter)

Type of project: Basic research (including archaeological digs, etc)

Geographical area: National

Degree of contribution: Scientific coordinator

Entity where project took place: Consejo Superior de Investigaciones Científicas/Universitat de Barcelona

City of entity: Barcelona, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Miriam Gómez Paccard; Elisabet Beamud

Nº of researchers: 2

Funding entity or bodies:

Universitat de Barcelona

Type of entity: University

City funding entity: Barcelona, Catalonia, Spain

Start date: 2008

Total amount: 820 €

5 Name of the project: Estudi arqueomagnètic del forn de Can Sant Joan (Rubi)

Type of project: Basic research (including archaeological digs, etc)

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Consejo Superior de Investigaciones Científicas/Universitat de Barcelona

City of entity: Barcelona, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Elisabet Beamud; Miriam Gómez Paccard

Nº of researchers: 2

Funding entity or bodies:

Actium Patrimoni Cultural

Start date: 2007

Total amount: 830 €

6 Name of the project: Estudi arqueomagnètic del forn de Casserres (Berga)

Type of project: Basic research (including archaeological digs, etc)

Geographical area: National

Degree of contribution: Scientific coordinator

Entity where project took place: Consejo Superior de Investigaciones Científicas/Universitat de Barcelona

City of entity: Barcelona, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Miriam Gómez Paccard; Elisabet Beamud

Nº of researchers: 2

Funding entity or bodies:

Atics SL



Start date: 2007

Total amount: 1.096 €

- 7** **Name of the project:** Estudi arqueomagnètic del forn de Sant pau de Riu Sec (Sabadell)
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** National
Degree of contribution: Researcher
Entity where project took place: Consejo Superior de Investigaciones Científicas/Universitat de Barcelona
City of entity: Barcelona, Catalonia, Spain
Name principal investigator (PI, Co-PI....): Elisabet Beamud; Miriam Gómez Paccard
Nº of researchers: 2
Funding entity or bodies: Arqueociencia Serveis Culturals **Type of entity:** Business
Start date: 2007
Total amount: 996 €

- 8** **Name of the project:** Estudi arqueomagnètic del forn situat al Carre Hospital (Barcelona)
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** National
Degree of contribution: Scientific coordinator
Entity where project took place: Consejo Superior de Investigaciones Científicas/Universitat de Barcelona **Type of entity:** Barcelona History Museum
City of entity: Barcelona, Catalonia, Spain
Name principal investigator (PI, Co-PI....): Miriam Gómez Paccard; Elisabet Beamud
Nº of researchers: 2
Funding entity or bodies: Museu d'Historia de la Ciutat de Barcelona
City funding entity: Barcelona, Catalonia, Spain
Start date: 2007
Total amount: 838 €

- 9** **Name of the project:** Medida de las propiedades magnéticas de rocas en el sector Noroeste de la Faja Pirítica
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Maria Luisa Osete López
Nº of researchers: 2
Participating entity/entities: Universidad Complutense de Madrid
Funding entity or bodies: Instituto Geológico y Minero de España (IGME) **Type of entity:** Public Research Body
Start date: 01/09/2002 **Duration:** 1 year
Total amount: 1.810,34 €

- 10** **Name of the project:** Asistencia técnica para medida de las propiedades magnéticas de muestras de rocas en el Sector Central de la Antiforma de Monesterio (Zona de Ossa-Morena). Hojas nº 875, 876,, 897 y 898 del Mapa Topográfico Nacional
Degree of contribution: Current university student
Name principal investigator (PI, Co-PI....): Maria Luisa Osete López
Nº of researchers: 2
Participating entity/entities: Universidad Complutense de Madrid

**Funding entity or bodies:**

Instituto Geológico y Minero de España (IGME)

Type of entity: Public Research Body**Start date:** 01/05/2001**Duration:** 8 months**Total amount:** 1.218.000 €

- 11 Name of the project:** Caracterización Magnética mediante magnetometría de muestra vibrante en un rango de campo desde 0.01 a 10.000 Oe y difracción de rayos X.

Degree of contribution: Researcher**Name principal investigator (PI, Co-PI....):** Jesús María Gonzalez**Nº of researchers:** 3**Funding entity or bodies:**

General Electric Plastics

Type of entity: Business**Start date:** 2000

- 12 Name of the project:** Caracterización de tintas magnéticas mediante magnetometría de muestra vibrante.

Degree of contribution: Researcher**Name principal investigator (PI, Co-PI....):** Jesús María Gonzalez**Nº of researchers:** 3**Funding entity or bodies:**

Fábrica Nacional de Moneda y Timbre

Type of entity: Pública**City funding entity:** Madrid, Community of Madrid, Spain**Start date:** 2000

Results

Technological results derived from specialized and transfer activities, not included in previous sections

- 1 Description:** Entrevista en directo en el Programa Buenos días Madrid OM en Onda Madrid: ¿Por qué se desplaza al polo norte magnético de la Tierra? ¿Qué implicaciones tiene para nuestra vida cotidiana?. Onda Madrid. http://media.telemadrid.es/TMDAUD20190516_0013.mp3

Degree of contribution: Scientific coordinator**Collaborating entity or bodies:**

Institute of Geosciences IGEO (CSIC, UCM)

Type of entity: Public Research Body**Start date:** 2019**Duration:** 1 day

- 2 Description:** Entrevista en directo en el Programa Españoles en la Mar sobre el posible efecto del rápido movimiento del polo magnético sobre la navegación. Radio Nacional de España, Radio 5. <http://www.rtve.es/alicarta/audios/espanoles-en-la-mar/espanoles-mar-lonja-inteligencia-artificial-14-01-19/4939645/>

Degree of contribution: Scientific coordinator**Collaborating entity or bodies:**

Institute of Geosciences IGEO (CSIC, UCM)

Type of entity: Public Research Body**Start date:** 2019**Duration:** 1 day

- 3** **Description:** Entrevista en directo en el Programa Planeta Vivo. Radio Nacional de España, Radio 5 y Radio Exterior de España. <http://www.rtve.es/alacarta/audios/planeta-vivo/>
Degree of contribution: Scientific coordinator
Collaborating entity or bodies:
Institute of Geosciences IGEO (CSIC, UCM) **Type of entity:** Public Research Body
Start date: 2019 **Duration:** 1 day
- 4** **Description:** Talleres de divulgación científica para alumnos de 4º y 5º de Primaria. Responsable del Taller "Refracción de la luz". Semana de la Ciencia en el CEIP La Navata
Degree of contribution: Scientific coordinator
Collaborating entity or bodies:
Institute of Geosciences IGEO (CSIC, UCM) **Type of entity:** Public Research Body
Start date: 2019 **Duration:** 1 day
- 5** **Description:** La Tierra: un imán gigante. Charlas y talleres con alumnos de 4º Primaria del CEIP La Navata.
Degree of contribution: Scientific coordinator
Collaborating entity or bodies:
Institute of Geosciences IGEO (CSIC, UCM) **Type of entity:** Public Research Body
Start date: 2018 **Duration:** 1 day
- 6** **Description:** Perdemos el Norte? Posibles riesgos de las variaciones del campo magnético terrestre para la vida en la Tierra. Ciclo de Conferencias Geociencias en La Sierra, San Lorenzo de El Escorial
Degree of contribution: Scientific coordinator
Collaborating entity or bodies:
Institute of Geosciences IGEO (CSIC, UCM) **Type of entity:** Public Research Body
Start date: 2018 **Duration:** 1 day
- 7** **Description:** Por qué soy científica? Charlas con alumnos de 4º Primaria del CEIP La Navata
Degree of contribution: Scientific coordinator
Collaborating entity or bodies:
Institute of Geosciences IGEO (CSIC, UCM) **Type of entity:** Public Research Body
Start date: 2018 **Duration:** 1 day
- 8** **Description:** XVIII Semana de la ciencia e innovación, 2018. Vivimos en un imán gigante: ven a descubrir el campo magnético de la Tierra. Charlas y talleres con alumnos de 4º de ESO.
Degree of contribution: Researcher
Collaborating entity or bodies:
Facultad de CC. Físicas, IGEO (CSIC, UCM) **Duration:** 1 day
- 9** **Description:** El escudo magnético de la Tierra. Universo Paralelo. Programa de Radio en directo de Radio Círculo, Círculo de Bellas Artes de Madrid. <http://bloguniversoparalelo.blogspot.com.es> (Programa de 1 hora de duración).
Name of the principal Investigator (PI): M. Gómez-Paccard
Name of the Co-principal investigator (Co-PI): F.J. Pavón-Carrasco
Degree of contribution: Scientific coordinator
Collaborating entity or bodies:
Institute of Geosciences IGEO (CSIC, UCM) **Type of entity:** Public Research Body

**Start date:** 2017**Duration:** 1 day

- 10 Description:** Qué pasará cuándo los polos magnéticos de la Tierra se inviertan?. Artículo de Divulgación en el ABC. 15 de Febrero de 2017.

Degree of contribution: Scientific coordinator**Collaborating entity or bodies:**

Institute of Geosciences IGEO (CSIC, UCM)

Type of entity: Public Research Body**Start date:** 2017**Duration:** 1 day

- 11 Description:** I acquired a wide technical experience by using, upgrading and taking part in the management of different paleomagnetic laboratories (Universidad Complutense de Madrid, Université de Rennes 1 and Institute of Earth Sciences Jaume Almera ICTJA-CSIC). I was particularly involved in the development and implementation of the protocol necessary for high-resolution archeomagnetic and paleointensity studies at the paleomagnetic laboratory of the Institute of Earth Sciences Jaume Almera (Universitat de Barcelona-CSIC, Barcelona, <http://www.ub.edu/paleomag/>). It is worth mentioning that only few groups/laboratories in Europe possess similar competences/facilities for paleointensity studies. I was involved in all the different levels 1) practical field experience and data acquisition using different paleomagnetic devices and techniques, 2) treatment of the dataset acquired, 3) interpretation of the results and implications in the field of geomagnetism and 4) application of the results obtained in other fields (particularly in archeological or environmental magnetic studies).

Scientific and technological activities

Scientific production

H index: 16**Date of application:** 14/06/2019

Publications, scientific and technical documents

- 1** S.A. Campuzano; M. Gómez-Paccard; F.J. Pavón-Carrasco; M.L. Osete. Emergence and evolution of the South Atlantic Anomaly revealed by a new global field paleomagnetic reconstruction. *Earth and Planetary Science Letters*. 512, pp. 17 - 26. 2019.
Type of production: Scientific paper
Corresponding author: No
Relevant publication: Yes
- 2** M. Gómez-Paccard; A. Chauvin; M.E. Albeck; M.A. Zarbulín; D.M. Basso; F.J. Pavón-Carrasco; M.L. Osete; S.A. Campuzano. New archeointensity data from NW Argentina (1300-1500 AD). *Physics of the Earth and Planetary Interiors*. 286, pp. 92 - 100. 2019.
Type of production: Scientific paper
Corresponding author: Yes
Relevant publication: Yes
- 3** F.J. Pavón-Carrasco; M. Gómez-Paccard; S.A. Campuzano; J.F. González-Rouco; M.L. Osete. Multi-centennial fluctuations of radionuclide production rates are modulated by the Earth's magnetic field. *Scientific Reports*. 8 - 9820, pp. 1 - 13. 2018.
Type of production: Scientific paper
Corresponding author: No



Relevant publication: Yes

- 4** A. Molina-Cardín; S.A. Campuzano; M.L. Osete; M. Rivero-Montero; F.J. Pavón-Carrasco; A. Palencia-Ortas; F. Martín-Hernández; M. Gómez-Paccard; A. Chauvin; S. Guerrero-Suárez; J.C. Pérez-Fuentes; G. McIntosh; G. Catanzariti; J.C. Sastre-Blanco; J. Larrazabal; V.M. Fernández-Martínez; J. Álvarez-Sanchís; J. Rodríguez-Fernández; I. Martín-Viso; D. García i Rubert. Updated Iberian Archaeomagnetic Catalogue: New Full Vector Palaeosecular Variation Curve for the last 3 millennia. *Geochemistry, Geophysics, Geosystems*, 19, pp. 3737 - 3656. 2018.
Type of production: Scientific paper
Corresponding author: No
Relevant publication: Yes
- 5** D. Kondopoulou; M. Gómez-Paccard; E. Aidona; C. Rathossi; C. Carvallo; E. Tema; K.G. Efthimiadis; G.S. Polymeris. Investigating the archaeointensity determination success of prehistoric ceramics through a multi-disciplinary approach: New and re-evaluated data from Greek collections. *Geophysical Journal International*. 210 - 3, pp. 1450 - 1471. 2017.
Type of production: Scientific paper
Corresponding author: No
Relevant publication: Yes
- 6** L. Valero; P. Huerta; M. Garcés; E. Beamud; M. Gómez-Paccard. Linking sedimentation rates and large-scale architecture for facies prediction in non-marine basins (Paleogene, Almazán basin, Spain). *Basin Research*. 29, pp. 213 - 232. 2017.
Type of production: Scientific paper
Corresponding author: No
Relevant publication: Yes
- 7** M. Gómez-Paccard; M.L. Osete; A. Chauvin; F.J. Pavón-Carrasco; M. Pérez; P. Jiménez; P. Lanos. New constraints on the most significant paleointensity change in Western Europe over the last two millennia: evidence for a highly non-dipolar origin. *Earth and Planetary Science Letters*. 454, pp. 55 - 65. 2016.
Type of production: Scientific paper
Corresponding author: Yes
Relevant publication: Yes
- 8** V. Borruel; M. Gomez-Paccard; J.C. Larrasoana; M. Rico; B. Valero-Garces; A. Moreno; M. Jambriña-Enriquez; R. Soto. Late Pleistocene to Holocene palaeoenvironmental variability in the north-west Spanish mountains: insights from a source-to-sink environmental magnetic study of Lake Sanabria. *Journal of Quaternary Science*. 30 - 3, pp. 222 - 234. 2015.
Type of production: Scientific paper
Relevant publication: Yes
- 9** L. Valero; P. Huerta; M. Garces; I. Armenteros; E. Beamud; M. Gomez-Paccard. Linking sedimentation rates and large-scale architecture for facies prediction in nonmarine basins (Paleogene, Almazán Basin, Spain). *Basin Research*. pp. 1 - 20. 2015.
Type of production: Scientific paper
Relevant publication: Yes
- 10** M. Gómez-Paccard; J.C. Larrasoña; C. Sancho; A. Muñoz; E. McDonald; E.J. Rhodes; M.C. Osácar; E. Costa; E. Beamud. Environmental response of a fragile semi-arid landscape (Bardenas Reales Natural Park, NE Spain) to Early Holocene climate variability: a palaeo- and environmental-magnetic approach. *Catena*. 103, pp. 30 - 43. 2013.
Type of production: Scientific paper
Format: Journal
Position of signature: 1

**Impact source:** ISI**Impact index in year of publication:** 1.787 (mean of the last five years)**Position of publication:** 19**Source of citations:** WOS+Scopus**Relevant publication:** Yes**Category:** Water Resources**Journal in the top 25%:** Yes**No. of journals in the cat.:** 100**Citations:** 6

- 11** M. Gómez-Paccard; G. McIntosh; E. Beamud; J.C. Larrasoaña. New archaeomagnetic data recovered from the study of three Roman kilns from north-east Spain: A contribution to the Iberian Palaeosecular variation curve. *Archaeometry*. 55 - 1, pp. 159 - 177. 2013.

Type of production: Scientific paper**Position of signature:** 1**Impact source:** ISI**Impact index in year of publication:** 1.296 (mean of the last five years)**Position of publication:** 48**Source of citations:** SCOPUS**Relevant publication:** Yes**Format:** Journal**Category:** Geosciences, Multidisciplinary**Journal in the top 25%:** No**No. of journals in the cat.:** 100**Citations:** 1

- 12** M. Gómez-Paccard; G. McIntosh; A. Chauvin; E. Beamud; F.J. Pavón-Carrasco; J. Thiriot. Archaeomagnetic and rock magnetic study of six kilns from North Africa (Tunisia and Morocco). *Geophysical Journal International*. 189, pp. 169 - 186. 2012.

Type of production: Scientific paper**Position of signature:** 1**Impact source:** WOS+SCOPUS**Impact index in year of publication:** 2.853**Position of publication:** 17**Source of citations:** WOS+SCOPUS**Relevant publication:** Yes**Format:** Journal**Category:** Geochemistry & Geophysics**Journal in the top 25%:** Yes**No. of journals in the cat.:** 76**Citations:** 5

- 13** M. Gómez-Paccard; J.C. Larrasoaña; S. Giralt; A.P. Roberts. First paleomagnetic results of mid- to late Holocene sediments from Lake Issyk-Kul (Kyrgyzstan): implications for paleosecular variation in central Asia. *Geochemistry, Geophysics, Geosystems*. 13, pp. 1 - 18. 2012.

Type of production: Scientific paper**Position of signature:** 1**Impact source:** ISI**Impact index in year of publication:** 2.939**Position of publication:** 16**Relevant publication:** Yes**Format:** Journal**Category:** Geochemistry & Geophysics**Journal in the top 25%:** Yes**No. of journals in the cat.:** 76

- 14** M. Gómez-Paccard; A. Chauvin; P. Dufresne; M. Kovacheva; P. Lanos; M.J. Hill; E. Beamud; A. Bouvier; S. Blain; P. Guibert; Archaeological Working Team. Improving our knowledge of rapid geomagnetic field intensity changes observed in Europe between 200 and 1400 AD. *Earth and Planetary Science Letters*. 355 - 356, pp. 131 - 143. 2012.

Type of production: Scientific paper**Position of signature:** 1**Impact source:** ISI**Impact index in year of publication:** 4.349**Format:** Journal**Category:** Geochemistry & Geophysics**Journal in the top 25%:** Yes

**Position of publication:** 4**No. of journals in the cat.:** 76**Source of citations:** SCOPUS**Citations:** 11**Relevant publication:** Yes

- 15** E. Tema; M. Gómez-Paccard; D. Kondopoulou; Y. Almar. Intensity of the Earth's magnetic field in Greece during the last five millennia: New data from Greek pottery. *Physics of the Earth and Planetary Interiors*. 202 - 203, pp. 14 - 26. 2012.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 2**Impact source:** ISI**Category:** Geochemistry & Geophysics**Impact index in year of publication:** 2.383**Journal in the top 25%:** No**Position of publication:** 23**No. of journals in the cat.:** 76**Source of citations:** WOS+SCOPUS**Citations:** 5**Relevant publication:** Yes

- 16** G. Catanzariti; M. Gómez-Paccard; G. McIntosh; F.J. Pavón-Carrasco; M.L. Osete; A. Chauvin. New archaeomagnetic data recovered from the study of Roman and Visigothic remains from central Spain (3rd-7th centuries). *Geophysical Journal International*. 188, pp. 979 - 993. 2012.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 2**Impact source:** ISI**Category:** Geochemistry & Geophysics**Impact index in year of publication:** 2.853**Journal in the top 25%:** Yes**Position of publication:** 17**No. of journals in the cat.:** 76**Source of citations:** SCOPUS**Citations:** 5**Relevant publication:** Yes

- 17** M. Gómez-Paccard; M. López-Blanco; E. Costa; M. Garcés; E. Beamud; J.C. Larrasoaña. Tectonic and climatic controls on the sequential arrangement of an alluvial fan/fan-delta complex (Montserrat, Eocene, Ebro Basin, NE Spain). *Basin research*. 24, pp. 437 - 455. 2012.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 1**Impact source:** ISI**Category:** Geosciences, Multidisciplinary**Impact index in year of publication:** 2.912**Journal in the top 25%:** Yes**Position of publication:** 30**No. of journals in the cat.:** 172**Source of citations:** SCOPUS**Citations:** 1**Relevant publication:** Yes

- 18** J.C. Larrasoaña; M. Gómez-Paccard; S. Giralt; A.P. Roberts. Rapid locking of tectonic magnetic fabrics in weakly deformed mudrocks. *Tectonophysics*. 507, pp. 16 - 25. 2011.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 2**Impact source:** ISI**Category:** Geochemistry & Geophysics**Impact index in year of publication:** 2.433**Journal in the top 25%:** No**Position of publication:** 20**No. of journals in the cat.:** 76**Source of citations:** WOS**Citations:** 8**Relevant publication:** Yes

- 19** E. Costa; M. Garcés; E. Beamud; M. López-Blanco; M. Gómez-Paccard. Closing and continentalization of the South Pyrenean foreland basin (NE Spain): Magnetochronological constraints. *Basin Research*. 22, pp. 904 - 917. 2010.
- Type of production:** Scientific paper
Position of signature: 5
Impact source: ISI
Impact index in year of publication: 2.264
Position of publication: 37
Source of citations: SCOPUS
Relevant publication: Yes
- Format:** Journal
Category: Geosciences, Multidisciplinary
Journal in the top 25%: Yes
No. of journals in the cat.: 167
Citations: 22
- 20** De Marco; E.; Spatharas; V.; Gómez-Paccard; M.; Chauvin; A.; Kondopoulou; D. New archaeointensity results from archaeological sites and variation of the geomagnetic field intensity for the last 7 millennia in Greece. *Physics and Chemistry of the Earth*. 33, pp. 578 - 595. 2008.
- Type of production:** Scientific paper
Position of signature: 3
Impact source: ISI
Impact index in year of publication: 1.138
Position of publication: 84
Source of citations: SCOPUS
Relevant publication: Yes
- Format:** Journal
Category: Geosciences, Multidisciplinary
Journal in the top 25%: No
No. of journals in the cat.: 144
Citations: 21
- 21** M. Gómez-Paccard; A. Chauvin; P. Lanos; J. Thiriot. New archeointensity data from Spain and the geomagnetic dipole moment in western Europe over the past 2000 years. *Journal of Geophysical Research-Solid Earth*. 113, 2008.
- Type of production:** Scientific paper
Position of signature: 1
Impact source: ISI
Impact index in year of publication: 3.147
Position of publication: 11
Source of citations: WOS+SCOPUS
Relevant publication: Yes
- Format:** Journal
Category: Geosciences, Multidisciplinary
Journal in the top 25%: Yes
No. of journals in the cat.: 144
Citations: 22
- 22** G. Catanzariti; G. McIntosh; M. Gómez-Paccard; V.C. Ruiz-Martínez; M.L. Osete; A. Chauvin; "the AARCH Scientific Team". Quality control of archaeomagnetic determination using a modern kiln with a complex NRM. *Physics and Chemistry of the Earth*. 33, pp. 427 - 437. 2008.
- Type of production:** Scientific paper
Position of signature: 3
Impact source: ISI
Impact index in year of publication: 1.138
Position of publication: 84
Source of citations: SCOPUS
Relevant publication: Yes
- Format:** Journal
Category: Geosciences, Multidisciplinary
Journal in the top 25%: No
No. of journals in the cat.: 144
Citations: 7



- 23** M. Gómez-Paccard; E. Beamud. Recent achievements in archaeomagnetic dating in the Iberian Peninsula: Application to four Spanish structures. *Journal of Archaeological Science*. 35(5), pp. 1389 - 1398. 2008.
Type of production: Scientific paper **Format:** Journal
Position of signature: 1
Impact source: ISI **Category:** Geosciences, Multidisciplinary
Impact index in year of publication: 1.779 **Journal in the top 25%:** No
Position of publication: 46 **No. of journals in the cat.:** 144
Source of citations: SCOPUS **Citations:** 5
Relevant publication: Yes
- 24** G. McIntosh; M. Gómez-Paccard; M.L. Osete. The magnetic properties of particles deposited on *Platanus x hispanica* leaves in Madrid, Spain, and their temporal and spatial variations. *Science of the Total Environment*. 382, pp. 135 - 146. 2007.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Environmental Science (miscellaneous)
Impact index in year of publication: 2.182 **Journal in the top 25%:** Yes
Position of publication: 38 **No. of journals in the cat.:** 160
Source of citations: SCOPUS **Citations:** 15
Relevant publication: Yes
- 25** M. Gómez-Paccard; G. Catanzariti; V.C. Ruiz-Martínez; G. McIntosh; J.I. Nuñez; M.L. Osete; A. Chauvin; P. Lanos; D.H. Tarling; D. Bernal-Casasola; J. Thiriot; archaeological working group". A catalogue of Spanish archaeomagnetic data. *Geophysical Journal International*. 166, pp. 1125 - 1143. 2006.
Type of production: Scientific paper **Format:** Journal
Position of signature: 1
Impact source: ISI **Category:** Geochemistry & Geophysics
Impact index in year of publication: 2.353 **Journal in the top 25%:** Yes
Position of publication: 13 **No. of journals in the cat.:** 59
Source of citations: SCOPUS **Citations:** 26
Relevant publication: Yes
- 26** M. Gómez-Paccard; A. Chauvin; P. Lanos; J. Thiriot; P. Jiménez-Castillo. Archeomagnetic study of seven contemporaneous kilns from Murcia (Spain). *Physics of the Earth and Planetary Interiors*. 157, pp. 16 - 32. 2006.
Type of production: Scientific paper **Format:** Journal
Position of signature: 1
Impact source: ISI **Category:** Geochemistry & Geophysics
Impact index in year of publication: 2.440 **Journal in the top 25%:** Yes
Position of publication: 11 **No. of journals in the cat.:** 59
Source of citations: WOS+SCOPUS **Citations:** 40
Relevant publication: Yes
- 27** M. Gómez-Paccard; A. Chauvin; P. Lanos; G. McIntosh; G. Catanzariti; M.L. Osete; V.C. Ruiz-Martínez; J.I. Nuñez. First archaeomagnetic secular variation curve for the Iberian Peninsula. Comparison with other data from Western Europe and with global geomagnetic field models. *Geochemistry, Geophysics, Geosystems*. 7, 2006.
Type of production: Scientific paper **Format:** Journal
Position of signature: 1
Impact source: ISI **Category:** Geochemistry & Geophysics



Impact index in year of publication: 2.384
Position of publication: 12

Source of citations: WOS+SCOPUS

Relevant publication: Yes

Journal in the top 25%: Yes
No. of journals in the cat.: 59

Citations: 31

- 28** M. Gómez-Paccard; G. McIntosh; V. Villasante; M.L. Osete; J. Rodriguez-Fernandez; J.C. Gómez-Sal. Low-temperature and high magnetic field measurements of atmospheric particulate matter. *Journal of Magnetism and Magnetic Materials*. 272, pp. 2420 - 2421. 2004.

Type of production: Scientific paper

Format: Journal

Position of signature: 1

Impact source: ISI

Category: Material Science, Multidisciplinary

Impact index in year of publication: 1.031

Journal in the top 25%: No

Position of publication: 70

No. of journals in the cat.: 177

Source of citations: SCOPUS

Citations: 6

Relevant publication: Yes

- 29** Estudio de la variación del campo geomagnético en Europa a través del Estudio arqueomagnético del patrimonio histórico: implicaciones geofísicas y arqueológicas. *Science and Art VII: Sciences and technologies applied to heritage conservation*. 2019.

Type of production: Scientific paper

Corresponding author: Yes

Relevant publication: No

- 30** Arqueomagnetismo: aplicación al estudio del campo magnético de la Tierra y a la caracterización de yacimientos arqueológicos,. *Revista de la Asociación Española para la Enseñanza de las Ciencias de la Tierra*. 24 - 3, pp. 294 - 303. 2016.

Type of production: Scientific paper

Format: Journal

Corresponding author: Yes

- 31** S.A. Campuzano; M. Gómez-Paccard; F.J. Pavón-Carrasco. Global models of the geomagnetic field for the last 3000 years: differences according to used databases. *Geo-Temas*. 16 - 1, pp. 350. *Proceedings del IX Congreso Geológico de España*, 2016.

Type of production: Scientific paper

Position of signature: 7

Corresponding author: No

- 32** Pavón-Carrasco Francisco Javier; Gomez-Paccard Miriam; Herve Gwenael; Osete Maria Luisa; Chauvin Annick. Intensity of the geomagnetic field in Europe for the last 3 ka: Influence of data quality on geomagnetic field modeling. *Geochemistry, Geophysics, Geosystems*. pp. 2515 - 2530. 2014.

Type of production: Scientific paper

- 33** E. Beamud; E. Costa; M. Garcés; M.A. Marín; L. Cabrera; E. Roca; M. Gómez-Paccard. An integrated Eocene chronostratigraphy for the central sector of the SE margin of the Ebro Basin. *Geo-Temas*. 13, pp. 350. 2012.

Type of production: Scientific paper

Position of signature: 7

- 34** L. Valero; P. Huerta; M. Garcés; E. Beamud; M. Gómez-Paccard. Magnetostratigrafía del relleno Cenozoico de la Cuenca de Almazán. *Geo-Temas*. 13, 2012.

Type of production: Scientific paper

Position of signature: 5

- 35** M. Gómez-Paccard; A. Chauvin; P. Lanos; P. Dufresne; E. Beamud; M. Kovacheva; M.J. Hill; S. Blain; A. Bouvier; P. Guibert; Archaeological Working Team. New archaeointensity data from Western Europe: an improved description of the 800 AD intensity bump. *Geo-Temas*. 13, pp. 359. 2012.
Type of production: Scientific paper
Position of signature: 1
- 36** V. Borruel; J.C. Larrasoña; M. Gómez-Paccard; M. Rico; B. Valero-Garcés; A. Moreno; R. Soto. Rock magnetic properties of sediments from Lake Sanabria and its catchment (NW Spain): paleoenvironmental implications. *Geo-Temas*. 13, pp. 352. 2012.
Type of production: Scientific paper
Position of signature: 3
- 37** V. Borruel; M. Gómez-Paccard; J.C. Larrasoña; B. Valero-Garcés; S. Giralt; A. Moreno. Aplicación de técnicas paleomagnéticas en la datación e identificación de la variabilidad climática Holoceno registrada en sedimentos lacustres de la Península Ibérica: una declaración de intenciones. *Actas del congreso MAGIBER-VI: Paleomagnetismo en España y Portugal*. 2010.
Type of production: Scientific paper
Corresponding author: No
- 38** M. Gómez-Paccard; A. Chauvin; E. Beamud; S. Gutierrez-Lloret; V. Cañavate. Archeointensity determination on Visigothic (8-9th centuries) potteries from the Tolmo de Minateda (Hellín, Albacete, Spain). *Actas del congreso MAGIBER-VI: Paleomagnetismo en España y Portugal*. 2010.
Type of production: Scientific paper
- 39** E. Costa; M. Garcés; M. López-Blanco; E. Beamud; M. Gómez-Paccard; J.C. Larrasoña; B. Valero-Garcés; S. Giralt; A. Moreno; J.C. Larrasoña; L. Cabrera; A. Sáez. Key tectonic and climatic processes from the Middle Eocene-Oligocene record of the Eastern Ebro Basin. *Actas del congreso MAGIBER-VI: Paleomagnetismo en España y Portugal*. 2010.
Type of production: Scientific paper
Corresponding author: No
- 40** G. Catanzariti; M. Gómez-Paccard; G. McIntosh; F.J. Pavón-Carrasco; A. Chauvin; M.L. Osete; E. Beamud. Nuevos datos arqueomagnéticos para España central en época visigoda. *Actas del congreso MAGIBER-VI: Paleomagnetismo en España y Portugal*. 2010.
Type of production: Scientific paper
- 41** M. López Blanco; M. Gómez Paccard; E. Costa; M. Garcés; E. Beamud; J.C. Larrasoña. Tectonic versus climatic controls on basin-margin alluvial fan/fan delta complex development, Montserrat, NE Spain. *Society of Petroleum Engineers-72nd European Association of Geoscientists and Engineers Conference and Exhibition 2010 - Incorporating SPE EUROPEC*. 6, pp. 4039 - 4043. European Association of Geoscientists and Engineers Conference and Exhibition, 2010.
Type of production: Scientific paper
Format: Journal
Position of signature: 2
- 42** E. Beamud; M. Gómez-Paccard. Estudi arqueomagnètic del forn del carrer de l'Hospital. *Quaderns d'arqueologia i història de la ciutat de Barcelona*. 5, pp. 197 - 201. 2009.
Type of production: Scientific paper
Format: Journal
Position of signature: 2
- 43** F.J. Pavón-Carrasco; M.L. Osete; M. Gómez-Paccard; J.M. Torta; L.R. Gaya-Piqué. Archaeomagnetic dating by the European geomagnetic model SCHA.DIF.3K. *Actas de la 6ª Asamblea Hispano-portuguesa de Geodesia y Geofísica, Tomar, Portugal*. 2008.



Type of production: Scientific paper
Position of signature: 2
Corresponding author: No

- 44** E. Costa; M. Gómez-Paccard; M. López-Blanco; M. Garcés; E. Beamud; L. Cabrera. Eocene-Oligocene magnetostratigraphy from the central part of the SE margin of the Ebro Basin. *Geo-Temas*. 10(4), pp. 1159 - 1162. 2008.
Type of production: Scientific paper
Position of signature: 2
- 45** J.L. García-Lobón; M. Arias-Llorent; C. Rey-Moral; M. Gómez-Paccard; L.A. Cueto-Pascual. Densidad, susceptibilidad magnética y magnetización remanente de rocas del antiformal de Monesterio (zona de Ossa-Morena, SO de España). *Boletín geológico y minero*. 114, pp. 57 - 73. 2003.
Type of production: Scientific paper
Format: Journal
Position of signature: 5
- 46** F.J. Pavón-Carrasco; M. Gómez-Paccard. Archaeointensity. *The SAS Encyclopedia of Archaeological Sciences*. 2018.
Type of production: Encyclopaedia article
Format: Book
Corresponding author: Yes
Relevant publication: Yes
- 47** M. Gómez-Paccard; F.J. Pavón-Carrasco. Archaeomagnetism. *The SAS Encyclopedia of Archaeological Sciences*. 2018.
Type of production: Encyclopaedia article
Format: Book
Corresponding author: Yes
Relevant publication: Yes
- 48** Arqueomagnetismo: aplicación a la datación de materiales arqueológicos. *Manual de Arqueometría*, Institut Français d'Études Andines. Editado por Rémy Chapoulie, Marcela Sepúlveda, Del-Solar-Velarde y Véronique Wright. 16, 2018.
Type of production: Book chapter
Format: Book
Corresponding author: Yes
- 49** M. Gómez-Paccard. Étude de la variation de la direction et de l'intensité du champ géomagnétique en Espagne durant les deux derniers millénaires. *Éditions de Géosciences Rennes*. 122, pp. 1 - 194. 2006. ISBN 2-914375-44-1
Type of production: Scientific book or monograph
Format: Book
Corresponding author: Yes
- 50** M. Gómez-Paccard. Propiedades magnéticas de las partículas atmosféricas del área urbana de Madrid. *Memoria del Diploma de Estudios Avanzados*. pp. 1 - 144. Universidad Complutense de Madrid, 2002.
Type of production: Scientific book or monograph
Format: Book
- 51** M. Gómez-Paccard; J. Carmona; M. Rivero. Estudio arqueomagnético de un hogar muestreado en Coll del Moro, Gandesa (Tarragona). pp. 1 - 20. 2018.
Type of production: Scientific-technical report
Corresponding author: Yes
- 52** M. Gómez-Paccard; J. Carmona; E. Beamud. Estudio arqueomagnético de un hogar muestreado en Nulles (Girona). pp. 1 - 21. 2018.
Type of production: Scientific-technical report



Corresponding author: Yes

- 53** J. Carmona; M. Gómez-Paccard. Estudio arqueomagnético de varios hogares muestreados en el yacimiento de Ullastret (Girona). pp. 1 - 26. 2018.
Type of production: Scientific-technical report
Corresponding author: Yes
- 54** E. Beamud; M. Gómez-Paccard. Archaeomagnetic dating of the Beaucaire kilns. pp. 1 - 14. 2009.
Type of production: Scientific-technical report
Position of signature: 2
Degree of contribution: Author or co-author of reserved scientific or technical document
- 55** E. Beamud; M. Gómez-Paccard. Estudi arqueomagnètic de l'estructura de combustion del jaciment de l'Esquerda (roda de Ter). Informe 2008/12. pp. 1 - 13. 2009.
Type of production: Scientific-technical report
Position of signature: 2
Degree of contribution: Author or co-author of reserved scientific or technical document
- 56** M.C. Alocén; M. Gómez-Paccard. Comportamiento magnético de las arenas a utilizar en la planta LX-1 y de arenas de referencia (encargado por General Electric Plastics S.L. al Instituto de Magnetismo Aplicado Salvador Velayos). pp. 1 - 12. 2000.
Type of production: Scientific-technical report
Position of signature: 2
Degree of contribution: Author or co-author of reserved scientific or technical document
- 57** M.C. Alocén; M. Gómez-Paccard. Comportamiento magnético de las arenas a utilizar en la planta LX-2 y de arenas de referencia (encargado por General Electric Plastics S.L. al Instituto de Magnetismo Aplicado Salvador Velayos). pp. 1 - 6. 2000.
Type of production: Scientific-technical report
Position of signature: 2
Degree of contribution: Author or co-author of reserved scientific or technical document
- 58** M.C. Alocén; M. Gómez-Paccard. Informe de ensayo de caracterización de tintas magnéticas (encargado por la Fábrica Nacional de Moneda y Timbre al Instituto de Magnetismo Aplicado Salvador Velayos). pp. 1 - 8. 2000.
Type of production: Scientific-technical report
Position of signature: 2
Degree of contribution: Author or co-author of reserved scientific or technical document
- 59** Étude de la variation de la direction et de l'intensité du champ géomagnétique en Espagne durant les deux derniers millénaire. Mémoire de Thèse, éditions de Géosciences-Rennes ISBN 2-914375-44-1. 122, pp. 1 - 194. 2018.
Type of production: Mémoire de Thèse
Format: Book
Corresponding author: Yes
- 60** Étude de la variation de la direction et de l'intensité du champ géomagnétique en Espagne durant les deux derniers millénaire. Mémoire de Thèse, éditions de Géosciences-Rennes ISBN 2-914375-44-1. 122, pp. 1 - 194. 2018.
Type of production: Mémoire de Thèse
Format: Book
Corresponding author: Yes

Works submitted to national or international conferences

- 1** **Title of the work:** New absolute archeointensity data from Italy obtained from well-dated bricks and pottery fragments
Name of the conference: European Geosciences Union General Assembly 2019
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Viena, Austria
Date of event: 2019
Organising entity: European Geosciences Union
M. Rivero; E. Tema; M. Gomez-Paccard; F. Rubat-Borel; M. Venturino; E. Panero. "Geophysical Research Abstracts, 19, EGU-2019-6909". 2014.
- 2** **Title of the work:** New intensity data from Greece
Name of the conference: European Geosciences Union General Assembly 2019
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Viena, Austria
Date of event: 2018
Organising entity: European Geosciences Union
M. Rivero; M. Gomez-Paccard; D. Kondopoulou; F.J. Pavón-Carrasco. "Geophysical Research Abstracts, 20, EGU-2018". 2014.
- 3** **Title of the work:** Preliminary archeointensity results from well-dated ceramics from ancient Bactria (Uzbekistán, Central Asia)
Name of the conference: 42nd International Symposium on Archaeometry
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Yucatán, Mexico
Date of event: 2018
Organising entity: Society for Archeological Sciences
M. Gómez-Paccard; E. Beamud; V. Martínez-Ferrerías; J.M. Gurt-Esparraguera; A. Angourakis. "Book of abstracts of the 42nd International Symposium on Archaeometry,". 2018.
- 4** **Title of the work:** A new regional geomagnetic field model for the last 3000 years in Europe based on the R-SCHA-2D technique
Name of the conference: European Geosciences Union General Assembly 2017
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Viena, Austria
Date of event: 2017
Organising entity: European Geosciences Union
J.C. Pérez-Fuentes; F.J. Pavon-Carrasco; S.A. Campuzano; M. Gomez-Paccard; M.L. Osete. "Geophysical Research Abstracts, 19, EGU2017-16236-1". 2017.



- 5** **Title of the work:** Actualización de la base de datos arqueomagnética de Iberia y nuevas curvas de variación paleosecular para los últimos 3000 años
Name of the conference: X Magiber Meeting, Zaragoza
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Zaragoza, Spain
Date of event: 2017
Organising entity: Sociedad Geológica de España (Comisión de Paleomagnetismo)
A. Molina-Cardín; S.A. Campuzano; M.L. Osete; M. Rivero; F. Martín-Hernández; S. Guerrero; A. Palencia-Ortas; J.C. Pérez-Fuentes; F.J. Pavón-Carrasco; M. Gómez-Paccard; A. Chauvin.
- 6** **Title of the work:** An essential requirement to assess past geomagnetic field strength from ancient potteries. Evidence from new archeointensity data from NW Argentina
Name of the conference: International Conference on Rock Magnetism
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
City of event: Utrecht, Holland
Date of event: 2017
Organising entity: Institute for Rock Magnetism, Paleomagnetic Laboratory Fort Hoofddijk
M. Gómez-Paccard; A. Chauvin; M.E. Albeck; M.A. Zaburlín; D.M. Basso.
- 7** **Title of the work:** An updated regional geomagnetic field model for Europe in the last 3 ka based on the RSCHA-2D technique
Name of the conference: International Conference on Rock Magnetism
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
City of event: Utrecht, Holland
Date of event: 2017
Organising entity: Institute for Rock Magnetism, Paleomagnetic Laboratory Fort Hoofddijk
J.C. Pérez-Fuentes; S.A. Campuzano; F.J. Pavón-Carrasco; M. Gómez-Paccard; M.L. Osete.
- 8** **Title of the work:** Centennial modulation of radionuclide production by the past Earth's magnetic field
Name of the conference: X Magiber Meeting, Zaragoza
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Zaragoza, Spain
Date of event: 2017
Organising entity: Sociedad Geológica de España (Comisión de Paleomagnetismo)
F.J. Pavón-Carrasco; M. Gómez-Paccard; S.A. Campuzano; J.F. González-Rouco; M.L. Osete.
- 9** **Title of the work:** Evaluation of palm swamps palaeoecology related to past climatic and human practices variability: The study case of the Orinoco Delta
Name of the conference: PAGES 5th Open Science Meeting, Global Challenges for our Common Future: a paleoscience perspective
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - poster
Corresponding author: No
City of event: Zaragoza, Spain
Date of event: 2017
Organising entity: PAGES consortium
E. Montoya; J. Pedra-Méndez; E. García-Falcó; F.W. Stauffer; R. Montúfar; S. Giralt; M. Gomez-Paccard; V. Rull.



- 10** **Title of the work:** First archaeointensity catalogue and intensity secular variation curve for Iberia spanning the last 3000 years
Name of the conference: European Geosciences Union General Assembly 2017
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Viena, Austria
Date of event: 2017
Organising entity: European Geosciences Union
A. Molina-Cardín; S.A. Campuzano; M. Rivero; M.L. Osete; M. Gomez-Paccard; J.C. Pérez-Fuentes; F.J. Pavon-Carrasco; A. Chauvin; A. Palencia-Ortas. "Geophysical Research Abstracts, 19, EGU-2017-16450-1". 2017.
- 11** **Title of the work:** Multi-centennial fluctuations of radionuclide production rates are modulated by the Earth's magnetic field
Name of the conference: AGU Meeting of the Americas 2017
Type of event: Conference
Type of participation: 'Participatory - poster
Corresponding author: No
Date of event: 2017
Organising entity: American Geophysical Union
City organizing entity: New Orleans, United States of America
F.J. Pavón-Carrasco; M. Gómez-Paccard; S.A. Campuzano; F.J. González-Rouco; M.L. Osete.
- 12** **Title of the work:** Paleosecular variations of the geomagnetic full vector in Iberia for the last 3000 years. Updating the Iberian archaeomagnetic catalogue
Name of the conference: International Conference on Rock Magnetism
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
City of event: Utrecht, Holland
Date of event: 2017
Organising entity: Institute for Rock Magnetism, Paleomagnetic Laboratory Fort Hoofddijk
A. Molina-Cardín; S.A. Campuzano; M.L. Osete; M. Rivero; F. Martín-Hernández; S. Guerrero-Suárez; A. Palencia-Ortas; J.C. Pérez-Fuentes; F.J. Pavón-Carrasco; M. Gómez-Paccard; A. Chauvin.
- 13** **Title of the work:** Preliminary archeointensity results from well-dated ceramics from ancient Bactria (Uzbekistán, Central Asia)
Name of the conference: AGU Meeting of the Americas 2017
Type of event: Conference
Type of participation: 'Participatory - poster
Corresponding author: Yes
Date of event: 2017
Organising entity: American Geophysical Union
City organizing entity: New Orleans, United States of America
M. Gómez-Paccard; E. Beamud; V. Martínez-Ferrerías; J.M. Gurt-Esparraguera.
- 14** **Title of the work:** Revisiting the age of the First Iron Age in the Eastern Iberian Peninsula from archeomagnetic dating results
Name of the conference: International Conference on Rock Magnetism
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication



City of event: Utrecht, Holland

Date of event: 2017

Organising entity: Institute for Rock Magnetism, Paleomagnetic Laboratory Fort Hoofddijk
M. Rivero; M. Gómez-Paccard; D. García i Rubert.

15 Title of the work: Revisiting the connection between the past geomagnetic field and the radionuclide production rate

Name of the conference: IAPSO-IAMAS-IAGA Assembly

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

City of event: Cape Town, South African Republic

Date of event: 2017

Organising entity: IAPSO-IAMAS-IAGA

F.J. Pavón-Carrasco; M. Gómez-Paccard; S.A. Campuzano; M.L. Osete; J.F. González-Rouco.

16 Title of the work: Un nuevo modelo regional europeo para los últimos 3000 años basado en la técnica RSCHA-2D

Name of the conference: X Magiber Meeting, Zaragoza

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

City of event: Zaragoza, Spain

Date of event: 2017

Organising entity: Sociedad Geológica de España (Comisión de Paleomagnetismo)

J.C. Pérez Fuentes; F.J. Pavón Carrasco; S.A. Campuzano; M. Gómez-Paccard; M.L. Osete.

17 Title of the work: Updated Iberian archaeomagnetic catalogue: new directional Palaeosecular Variation Curve for the last 3 millennia

Name of the conference: European Geosciences Union General Assembly 2017

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - poster

Corresponding author: No

City of event: Viena, Austria

Date of event: 2017

Organising entity: European Geosciences Union

S.A. Campuzano; A. Molina-Cardín; M. Rivero; M.L. Osete; A. Palencia-Ortas; J.C. Pérez-Fuentes; M. Gomez-Paccard; F.J. Pavon-Carrasco. "Geophysical Research Abstracts, 20, EGU-2017-16361". 2017.

18 Title of the work: Variaciones rápidas de la intensidad del campo geomagnético en el Mediterráneo: caracterización a partir de yacimientos del Bronce final y de cerámicas finas tardoromanas

Name of the conference: X Magiber Meeting, Zaragoza

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

City of event: Zaragoza, Spain

Date of event: 2017

Organising entity: Sociedad Geológica de España (Comisión de Paleomagnetismo)

M. Rivero; M. Gómez-Paccard; D. Kondopoulou; F.J. Pavón-Carrasco.

19 Title of the work: A combined archeomagnetic and mycrostratigraphic study of Neolithic anthropogenic burnt sediments from the Can Sadurní cave (NE Spain)

Name of the conference: European Geosciences Union General Assembly 2016

Type of event: Conference

Geographical area: European Union



Type of participation: 'Participatory - poster

Corresponding author: Yes

City of event: Viena, Austria

Date of event: 2016

Organising entity: European Geosciences Union

M. Gomez-Paccard; E. Beamud; M. Bergada; P. Martínez. "Geophysical Research Abstracts, 18, EGU2016-12898".

20 Title of the work: A new geomagnetic field model for the last 2 kyrs based on high-quality archaeomagnetic and volcanic data

Name of the conference: European Geosciences Union General Assembly 2016

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Viena, Austria

Date of event: 2016

Organising entity: European Geosciences Union

S.A. Campuzano; M. Gomez-Paccard; F.J. Pavón-Carrasco; M.L. Osete. "Geophysical Research Abstracts, 18, EGU2016-13128".

21 Title of the work: Archaeomagnetic study of pre-hispanic sites in Michoacan, Mexico

Name of the conference: 41th International Symposium on Archaeometry (ISA)

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

City of event: Kalamata, Greece

Date of event: 2016

Organising entity: Society for Archeological Sciences

A. Chauvin; G. Pereira; M. Gómez-Paccard. "Book of abstracts of the 41st International Symposium on Archaeometry,". 2018.

22 Title of the work: Archaeomagnetism in Iberia: state-of-the-art, successes and future challenges

Name of the conference: IberCrono

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

City of event: Barcelona, Spain

Date of event: 2016

M. Gómez-Paccard; F.J. Pavón-Carrasco; A. Carrancho; E. Beamud.

23 Title of the work: Archeointensity studies: state-of-the-art, successes and future challenges

Name of the conference: 41th International Symposium on Archaeometry (ISA)

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

City of event: Kalamata, Greece

Date of event: 2016

Organising entity: Society for Archeological Sciences

M. Gómez-Paccard. "Book of abstracts of the 41st International Symposium on Archaeometry,". 2018.

24 Title of the work: Datos arqueomagnéticos de calidad para modelar el campo magnético terrestre: Nuevo modelo global para los últimos 2000 años

Name of the conference: 9a Asamblea Hispano Portuguesa de Geodesia y Geofísica

Type of event: Conference

Geographical area: National



Type of participation: Participatory - oral communication

City of event: Madrid, Spain

Date of event: 2016

S.A. Campuzano; F.J. Pavón-Carrasco; M. Gómez-Paccard; M.L. Osete.

- 25** **Title of the work:** Evidence for a highly non-dipolar character of the European 800 AD event
Name of the conference: European Geosciences Union General Assembly 2013
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Viena, Austria
Date of event: 2016
Organising entity: European Geosciences Union
M. Gomez-Paccard; M.L. Osete; F.J. Pavón-Carrasco; A. Chauvin. "Geophysical Research Abstracts, 18, EGU2016-13441".
- 26** **Title of the work:** Long-term vegetation, climate, fire and human impact trends in a Neotropical wetland: Holocene dynamics of the Orinoco delta (Venezuela)
Name of the conference: XIV IPC X IOPC, Palaeobotany and Palynology: towards new frontiers
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Salvador de Bahia, Brazil
Date of event: 2016
Organising entity: XIV IPC X IOPC
E. Montoya; M. Gomez-Paccard; J. Pedra-Méndez; S. Giralt; V. Rull.
- 27** **Title of the work:** Modelos globales del campo magnético terrestre para los últimos 3000 años: discrepancias según las bases de datos usadas.
Name of the conference: IX Congreso Geológico de España
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Huelva, Spain
Date of event: 2016
Organising entity: Sociedad Geológica de España (Comisión de Paleomagnetismo)
S.A. Campuzano; M. Gómez-Paccard; F.J. Pavón-Carrasco; M.L. Osete.
- 28** **Title of the work:** On the use of different databases for global geomagnetic modeling and its effect on archaeomagnetic dating.
Name of the conference: 41th International Symposium on Archaeometry (ISA)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Kalamata, Greece
Date of event: 2016
Organising entity: Society for Archeological Sciences
S.A. Campuzano; M. Gómez-Paccard; F.J. Pavón-Carrasco; M.L. Osete. "Book of abstracts of the 41st International Symposium on Archaeometry,". 2018.
- 29** **Title of the work:** High-quality intensity data from Argentina: archeomagnetic study of pottery fragments from the Guayatayoc-Miraflores basin (Puna de Jujuy, Northwest Argentina)
Name of the conference: American Geophysical Union Fall Meeting 2015



Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

City of event: San Francisco, United States of America

Date of event: 14/12/2015

End date: 18/12/2015

Organising entity: American Geophysical Union

M. Gómez-Paccard; A. Chauvin; M.E. Albeck; M.A. Zarbulin; D.M. Basso. "2015 Fall Meeting AGU Abstracts". 2013.

- 30** **Title of the work:** Geomagnetic field intensity changes in western Europe during the last millennia: new archeointensity data from Spanish potteries
Name of the conference: 26 IUGG General Assembly
City of event: Prague, Czech Republic
Date of event: 22/06/2015
End date: 02/07/2015
Organising entity: International Union of Geodesy and Geophysics
M. Gomez-Paccard; M.L. Osete; A. Chauvin; F.J. Pavon-Carrasco; M. Perez-Asensio; P. Jimenez-Castillo; P. Lanos.
- 31** **Title of the work:** Geomagnetic field intensity changes in western Europe during the last millennia: new archeointensity data from Spanish potteries.
Name of the conference: PMAG Workshop
City of event: Aix en Provence, France
Date of event: 26/05/2015
End date: 29/05/2015
M. Gomez-Paccard; M.L. Osete; A. Chauvin; F.J. Pavon-Carrasco; M. Perez-Asensio; P. Jimenez-Castillo; P. Lanos.
- 32** **Title of the work:** Full-vector archeomagnetic and rock-magnetic results from Portuguese kilns
Name of the conference: European Geosciences Union General Assembly 2013
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
City of event: Viena, Austria
Date of event: 28/04/2014
End date: 01/05/2014
Organising entity: European Geosciences Union
M. Gomez-Paccard; E. Tema; G. McIntosh; M. Letaio; P. Botelho. "Geophysical Research Abstracts, 16, EGU2014-7069". 2014.
- 33** **Title of the work:** Improving the geomagnetic field modeling with a selection of high-quality archaeointensity data
Name of the conference: European Geosciences Union General Assembly 2013
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
City of event: Viena, Austria
Date of event: 28/04/2014
End date: 01/05/2014
Organising entity: European Geosciences Union
F.J. Pavon-Carrasco; M. Gomez-Paccard; G. Herve; M.L. Osete; A. Chauvin. "Geophysical Research Abstracts, 16, EGU2014-14665". 2014.



- 34** **Title of the work:** New constraints on the maximum rate of change of the geomagnetic field intensity in Western Europe during the last two millennia
Name of the conference: European Geosciences Union General Assembly 2013
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
City of event: Viena, Austria
Date of event: 28/04/2014
End date: 01/05/2014
Organising entity: European Geosciences Union
M. Gomez-Paccard; M.L. Osete; A. Chauvin; P. Jimenez-Castillo; M. Perez-Asensio. "Geophysical Research Abstracts, 16, EGU2014-7289". 2014.
- 35** **Title of the work:** Prehistoric ceramics as recorders of the Earth's magnetic field intensity : case studies from North-Central Greece and a multidisciplinary approach for material selection
Name of the conference: European Geosciences Union General Assembly 2013
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
City of event: Viena, Austria
Date of event: 28/04/2014
End date: 01/05/2014
Organising entity: European Geosciences Union
D. Kondopoulou; M. Gomez-Paccard; E. Aidona; R. Rathossi; C. Carvallo; E. Tema; K. Efthimiadis. "Geophysical Research Abstracts, 16, EGU2014-9775". 2014.
- 36** **Title of the work:** Impact of archeointensity data quality on geomagnetic field modeling
Name of the conference: American Geophysical Union Fall Meeting 2013
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: San Francisco, United States of America
Date of event: 09/12/2013
End date: 13/12/2013
Organising entity: American Geophysical Union
F.J. Pavón-Carrasco; M. Gómez-Paccard; G. Hervé; M.L. Osete; A. Chauvin. "2013 Fall Meeting AGU Abstract GP51B-1080". 2013.
- 37** **Title of the work:** Three centuries of geomagnetic field intensity changes in Spain (from the 9th to the 12th centuries)
Name of the conference: American Geophysical Union Fall Meeting 2013
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: San Francisco, United States of America
Date of event: 09/12/2013
End date: 13/12/2013
Organising entity: American Geophysical Union
M. Gómez-Paccard; M.L. Osete; A. Chauvin; P. Jimenez-Castillo; M. Perez-Asensio. "2013 Fall Meeting AGU Abstracts". 2013.
- 38** **Title of the work:** Preliminary paleomagnetic and rock-magnetic results from Lago Azul (Azores archipelago, Portugal)
Name of the conference: AGU Meeting of the Americas 2013
Type of event: Conference
Type of participation: 'Participatory - poster



Date of event: 14/05/2013

End date: 14/05/2013

Organising entity: American Geophysical Union

City organizing entity: Cancun, Mexico

Miriam Gómez Paccard; Maria Jesús Rubio; Guiomar Sánchez; Juan Cruz Larrasoaña; Alberto Sáez; Santiago Giralt.

39 Title of the work: Evidence for abrupt geomagnetic field intensity changes in Europe between 200 and 1400 AD

Name of the conference: AGU Meeting of the Americas 2013

Type of participation: Participatory - invited/keynote talk

Date of event: 14/05/2013

End date: 14/05/2013

Organising entity: American Geophysical Union

City organizing entity: Cancun, Mexico

Miriam Gómez Paccard; Annick Chauvin; Philippe Lanos.

40 Title of the work: Paleoenvironmental reconstruction of Lake Azul (Azores archipelago, Portugal) and its implications for the NAO signal

Name of the conference: European Geosciences Union General Assembly 2013

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

City of event: Viena, Austria

Date of event: 07/04/2013

End date: 12/04/2013

Organising entity: European Geosciences Union

M.J. Rubio; G. Sánchez; A. Saez; D. Vázquez-Loureiro; R. Bao; J.J. Pueyo; M. Gómez-Paccard; V. Goçalves; P.M. Raposeiro; P. Francus; A. Hernández; O. Margalef; T. Buchaca; S. Pla; F. Barreiro-Lostres; B.L. Valero-Garcés; S. Giralt. "Geophysical Research Abstracts, 14, EGU2013-7260-3, 2013". 2013.

41 Title of the work: An integrated Eocene chronostratigraphy for the central sector of the SE margin of the Ebro Basin

Name of the conference: VIII Congreso Geológico de España

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

City of event: Oviedo, Spain

Date of event: 17/07/2012

End date: 19/07/2012

Organising entity: Sociedad Geológica de España

E. Beamud; E. Costa; M. Garcés; M.A. Marín; L. Cabrera; E. Roca; M. Gómez-Paccard. "Geo-Temas 13, 13". 2012. ISSN 1579-5172

42 Title of the work: Magnetostratigrafía del relleno Cenozoico de la Cuenca de Almazán

Name of the conference: VIII Congreso Geológico de España

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

City of event: Oviedo, Spain

Date of event: 17/07/2012

End date: 19/07/2012

Organising entity: Sociedad Geológica de España

L. Valero; P. Huerta; M. Garcés; E. Beamud; M. Gómez-Paccard; I. Armenteros. "Geo-Temas 13, 371". 2012. ISSN 1579-5172



- 43** **Title of the work:** New archaeointensity data from Western Europe: an improved description of the 800 AD intensity bump
Name of the conference: VIII Congreso Geológico de España
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Oviedo, Spain
Date of event: 17/07/2012
End date: 19/07/2012
Organising entity: Sociedad Geológica de España
M. Gómez-Paccard; A. Chauvin; P. Lanos; P. Dufresne; M. Kovacheva; E. Beamud; M.J. Hill; S. Blain; A. Bouvier; P. Guibert; Archaeological Working Team. "Geo-Temas 13, 359". 2012. ISSN 1579-5172
- 44** **Title of the work:** Rock magnetic properties of sediments from Lake Sanabria and its catchemnte (NW Spain): paleoenvironmental implications
Name of the conference: VIII Congreso Geológico de España
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Oviedo, Spain
Date of event: 17/07/2012
End date: 19/07/2012
Organising entity: Sociedad Geológico de España
V. Borruel; J.C. Larrasoña; M. Gómez-Paccard; M. Rico; A. Moreno; B. Valero-Garcés; R. Soto. "Geo-Temas 13, 352". 2012. ISSN 1579-5172
- 45** **Title of the work:** Paleogene chronostratigraphy and tectonosedimentary evolution of the Eastern Ebro basin (NE Spain)
Name of the conference: American Geophysical Union Fall Meeting 2011
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: San Francisco, United States of America
Date of event: 03/07/2012
Organising entity: American Geophysical Union
E. Costa; M. Garcés; M. López-Blanco; M. Gómez-Paccard; E. Beamud; J.C. Larrasoña; J. Serra-Kiel; G. Bernaola; L. Cabrera; A. Saez. "2011 Fall Meeting AGU, Abstract GP51A-1146". 2011.
- 46** **Title of the work:** The use of ceramics in the reconstruction of the geomagnetic field intensity variations in the past: New data from Greek pottery
Name of the conference: 13th Castle Meeting. New trends in Geomagnetism, Paleo, Rock and Environmental Magnetism
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
City of event: Zvolen, Slovakia
Date of event: 17/06/2012
End date: 23/06/2012
Organising entity: Geophysical Institute (Slovak Academy of Sciences) and Institute of Geophysics (Academy of Sciences of the Czech Republic)
E. Tema; M. Gómez-Paccard; D. Kondopoulou; Y. Almar. "Contributions to Geophysics and Geodesy, Geophysical Institute SAS, 42, 112-113.". 2012.



- 47** **Title of the work:** New archaeointensity results from Greek ceramics and their contribution on the intensity secular variation in Greece
Name of the conference: 39th International Symposium on Archaeometry
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
City of event: Leuven, Belgium
Date of event: 28/05/2012
End date: 01/06/2012
Organising entity: Society for Archeological Sciences
E. Tema; M. Gómez-Paccard; D. Kondopoulou; Y. Almar. "Book of abstracts of the 39th International Symposium on Archaeometry,". 2012.
- 48** **Title of the work:** Archaeomagnetic and rock magnetic study of six kilns from North Africa (Tunisia and Morocco)
Name of the conference: European Geosciences Union General Assembly 2012
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
City of event: Viena, Austria
Date of event: 22/04/2012
End date: 27/04/2012
Organising entity: European Geosciences Union
M. Gómez-Paccard; G. McIntosh; E. Beamud; A. Chauvin; F.J. Pavon-Carrasco; J. Thiriot. "Geophysical Research Abstracts, 14, EGU2012-7878, 2012". 2012.
- 49** **Title of the work:** Closing and continentalization of the South Pyrenean Foreland Basin (NE Spain) and its impact on basin fill trends and thrust-belt evolution
Name of the conference: European Geosciences Union General Assembly 2012
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
City of event: Viena, Austria
Date of event: 22/04/2012
End date: 27/04/2012
Organising entity: European Geosciences Union
E. Costa; M. Garcés; M. López-Blanco; E. Beamud; M. Gómez-Paccard; J.C. Larrasoña. "Geophysical Research Abstracts EGU2012-10345-1". 2012.
- 50** **Title of the work:** New archaeomagnetic data from three Roman kilns in Northeast Spain: A contribution to the Iberian palaeosecular variation curve
Name of the conference: European Geosciences Union General Assembly 2012
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
City of event: Viena, Austria
Date of event: 22/04/2012
End date: 27/04/2012
Organising entity: European Geosciences Union
E. Beamud; M. Gómez-Paccard; G. McIntosh; J.C. Larrasoña. "Geophysical Research Abstracts, 14, EGU2012-8232, 2012". 2012.
- 51** **Title of the work:** Improving our knowledge of the rapid geomagnetic field intensity variation observed in Europe around 800 AD
Name of the conference: American Geophysical Union Fall Meeting 2011
Type of event: Conference **Geographical area:** Non EU International



Type of participation: 'Participatory - poster
City of event: San Francisco, United States of America
Date of event: 03/12/2011
End date: 07/12/2011

Organising entity: American Geophysical Union
M. Gómez-Paccard; A. Chauvin; P. Lanos; P. Dufresne; M. Kovacheva; M.J. Hill; E. Beamud; S. Gutierrez-Lloret; V. Cañavate; S. Blain; A. Bouvier; C. Oberlin; P. Guibert; C. Sapin; D. Pringent. "2011 Fall Meeting AGU, Abstract GP23-A-1018". 2011.

52 Title of the work: Quantitative lake level reconstruction of Lake Issyk-Kul for the last ca. 4000 cal. Years BP: climatic and environmental implications

Name of the conference: 5th International Limnogeology Congress

Type of event: Conference **Geographical area:** Non EU International

Type of participation: Participatory - oral communication

City of event: Konstanz, Germany

Date of event: 31/08/2011

End date: 03/09/2011

Organising entity: International Association of Limnogeology

S. Giralt; A. Sáez; N. Cañellas-Boltá; J.J. Pueyo; A. Hernández; O. Margalef; M. Gómez-Paccard; J.C. Larrasoña. "5th International Limnogeology Congress, Abstract S6-P01, 147-148". 2011.

53 Title of the work: Holocene environmental change inferred from alluvial record in a Western Mediterranean semiarid area (NE Spain): a multiproxy approach

Name of the conference: XVIII International Union for Quaternary Research

Type of event: Conference **Geographical area:** Non EU International

Type of participation: 'Participatory - poster

City of event: Bern, Switzerland

Date of event: 21/07/2011

End date: 27/07/2011

Organising entity: International Union for Quaternary Research

C. Sancho; J.L. Peña; A. Muñoz; M.C. Osácar; J. Bastida; G. Benito; M. Gómez-Paccard; J.C. Larrasoña; L.A. Longares; M.J. Machado; E. McDonald; A. Moreno; X. Murelaga; L.A. Ortega; E. Rhodes. "Abstracts from the XVIII INQUA Congress 2011, 1457.". 2011.

54 Title of the work: Climatic and tectonic controls on T-R cyclicity in fan-delta successions (Montserrat and Sant Llorenç del Munt, Eocene, Ebro basin, NE Spain)

Name of the conference: 28th IAS Meeting of Sedimentology

Type of event: Conference **Geographical area:** Non EU International

City of event: Zaragoza, Spain

Date of event: 05/07/2011

End date: 08/07/2011

Organising entity: International Association of Sedimentologists

M. López-Blanco; M. Gómez-Paccard; E. Costa; M. Garcés; E. Beamud; J.C. Larrasoña. "Abstracts, 28th Meeting of Sedimentology 2011, p. 471". 2011.

55 Title of the work: Tectonic control on the sedimentary evolution and basin configuration of the SE Ebro basin margin (Montserrat, NE Spain)

Name of the conference: 28th IAS Meeting of Sedimentology

Type of event: Conference **Geographical area:** Non EU International

City of event: Zaragoza, Spain

Date of event: 05/07/2011

End date: 08/07/2011



Organising entity: International Association of Sedimentologists

M. López-Blanco; M. Gómez-Paccard; E. Costa; M. Garcés; E. Beamud; J.C. Larrasoña. "Abstracts, 28th Meeting of Sedimentology 2011, p. 440". 2011.

56 Title of the work: A new Late Holocene paleosecular variation sedimentary records from central Asia (lake Issyk-Kul, Kirgystan)

Name of the conference: European Geosciences Union General Assembly 2011

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

City of event: Viena, Austria

Date of event: 03/04/2011

End date: 08/04/2011

Organising entity: European Geosciences Union

M. Gómez-Paccard; J.C. Larrasoña; S. Giralt. "Geophysical Research Abstracts, 13, EGU2011-8174, 2011". 2011.

57 Title of the work: Early Holocene rapid climate change and its impact on semiarid landscape dynamics: evidence from the Bardenas Reales Natural Park (NE Spain)

Name of the conference: European Geosciences Union General Assembly 2011

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

City of event: Viena, Austria

Date of event: 03/04/2011

End date: 08/04/2011

Organising entity: European Geosciences Union

M. Gómez-Paccard; J.C. Larrasoña; C. Sancho; A. Muñoz; E. McDonald; E.J. Rhodes; C.M. Osácar; E. Costa; E. Beamud. "Geophysical Research Abstracts, 13, EGU2011-9953, 2011". 2011.

58 Title of the work: Improving our knowledge of the rapid geomagnetic field intensity variation observed in Europe around 800 AD: new archeointensity data from Visigothic Spanish potteries

Name of the conference: European Geophysical Union General Assembly 2011

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

City of event: Viena, Austria

Date of event: 03/04/2011

End date: 08/04/2011

Organising entity: European Geophysical Union

M. Gómez-Paccard; A. Chauvin; E. Beamud; S. Gutierrez-Lloret; V. Cañavate; M. Hill; P. Lanos. "Geophysical Research Abstracts, 13, EGU2011-8050, 2011". 2011.

59 Title of the work: Rapid locking of tectonic magnetic fabrics in weakly deformed mudrocks

Name of the conference: European Geosciences Union General Assembly 2011

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

City of event: Viena, Austria

Date of event: 03/04/2011

End date: 08/04/2011

Organising entity: European Geosciences Union

J.C. Larrasoña; M. Gómez-Paccard; S. Giralt; A.P. Roberts. "Geophysical Research Abstracts, 13, EGU2011-10298, 2011". 2011.



- 60** **Title of the work:** Aplicación de técnicas paleomagnéticas en la datación e identificación de la variabilidad climática Holocena registrada en sedimentos lacustres de la Península Ibérica: una declaración de intenciones
Name of the conference: MAGIBER VI – Paleomagnetismo en España y Portugal
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Puigcerdà, Spain
Date of event: 23/11/2010
End date: 26/11/2010
Organising entity: Sociedad Geológica de España (Comisión de Paleomagnetismo)
V. Borruel; M. Gómez-Paccard; J.C. Larrasoaña; B. Valero-Garcés; S. Giralt; A. Moreno. "Libro de Resúmenes Magiber VI, p. 48.". 2011.
- 61** **Title of the work:** Archeointensity determination on Visigothic (8-9 th centuries) potteries from the Tolmo de Minateda (Hellín, Albacete, Spain)
Name of the conference: MAGIBER VI – Paleomagnetismo en España y Portugal
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Puigcerdà, Spain
Date of event: 23/11/2010
End date: 26/11/2010
Organising entity: Sociedad Geológica de España (Comisión de Paleomagnetismo)
M. Gómez-Paccard; A. Chauvin; E. Beamud; S. Gutierrez-Lloret; V. Cañavate. "Libro de Resúmenes Magiber VI, p.84-86.". 2010.
- 62** **Title of the work:** Key tectonic and climatic processes from the Middle Eocene-Oligocene record of the Eastern Ebro Basin
Name of the conference: MAGIBER VI – Paleomagnetismo en España y Portugal
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Puigcerdà, Spain
Date of event: 23/11/2010
End date: 26/11/2010
Organising entity: Sociedad Geológica de España (Comisión de Paleomagnetismo)
E. Costa; M. Garcés; M. López-Blanco; E. Beamud; M. Gómez-Paccard; J.C. Larrasoaña; L. Cabrera; A. Sáez. "Libro de Resúmenes Magiber VI, p. 5.-8.". 2010.
- 63** **Title of the work:** Nuevos datos arqueomagnéticos para España central en época visigoda
Name of the conference: MAGIBER VI – Paleomagnetismo en España y Portugal
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Puigcerdà, Spain
Date of event: 23/11/2010
End date: 26/11/2010
Organising entity: Sociedad Geológica de España (Comisión de Paleomagnetismo)
G. Catanzariti; M. Gómez-Paccard; G. McIntosh; F.J. Pavón-Carrasco; A. Chauvin; M.L. Osete-López; E. Beamud. "Libro de Resúmenes Magiber VI, p.87-90". 2011.
- 64** **Title of the work:** Primeros datos paleomagnéticos, de magnetismo de rocas y de fábricas magnéticas de sedimentos Holocenos del lago Issyk-Kul (Kirguistán, Asia Central)
Name of the conference: MAGIBER VI – Paleomagnetismo en España y Portugal
Type of event: Conference



Type of participation: Participatory - oral communication

City of event: Puigcerdà, Spain

Date of event: 23/11/2010

End date: 26/11/2010

Organising entity: Sociedad Geológica de España (Comisión de Paleomagnetismo)

M. Gómez-Paccard; J.C. Larrasoña; S. Giral; A.P. Roberts. "Libro de Resúmenes Magiber VI, p. 47.". 2010.

65 Title of the work: Tectonic versus climatic controls on basin-margin alluvial fan/fan delta complex, Montserrat, NE Spain)

Name of the conference: 72nd EAGE Conference & Exhibition incorporating SPE EUROPEC 2010

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

City of event: Barcelona, Spain

Date of event: 14/06/2010

End date: 17/06/2010

Organising entity: European Association of geoscientists and engineers

M. López-Blanco; M. Gómez-Paccard; E. Costa; M. Garcés; E. Beamud; J.C Larrasoña. "Libro de Abstracts, 72nd EAGE Conference & Exhibition incorporating SPE EUROPE 2010, P068". 2010.

66 Title of the work: First paleomagnetic results from Holocene alluvial sediments in the Iberian Peninsula

Name of the conference: American Geophysical Union AGU 2009 Joint Assembly. The meeting of Americas.

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

City of event: Toronto, Canada

Date of event: 24/05/2009

End date: 27/05/2009

Organising entity: American Geophysical Union

M. Gómez-Paccard; J.C Larrasoña; C. Sancho; A Muñoz; E. Costa; E. Beamud. "EOS Trans. AGU, 90 (22), Jt. Assem. Suppl., Abstract GP11C-07". 2009.

67 Title of the work: Eocene-Oligocene magnetostratigraphy from the central part of the SE margin of the Ebro Basin

Name of the conference: VII Congreso Geológico de España

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

City of event: Las Palmas de Gran Canaria, Spain

Date of event: 14/07/2008

End date: 18/07/2008

Organising entity: Sociedad Geológica de España

E. Costa; M. Garcés; A. Sáez; M. López-Blanco; L. Cabrera; E. Beamud; M. Gómez-Paccard. "Geotemas, 10, 345, 2008". 2007.

68 Title of the work: Secular variation and evolution of the geomagnetic dipole moment in western Europe for the last two millennia. Comparison with global geomagnetic field models.

Name of the conference: European Geosciences Union General Assembly 2008

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - invited/keynote talk

City of event: Viena, Austria

Date of event: 13/04/2008

End date: 18/04/2008



Organising entity: European Geosciences Union

M. Gómez-Paccard; A. Chauvin; P. Lanos; M.L. Osete; G. McIntosh; G. Catanzariti; V.C. Ruíz-Martinez. "Geophysical Research Abstracts, 10, EGU2008-a-09913, 2008". 2004.

- 69** **Title of the work:** Archaeomagnetic dating by the European geomagnetic model SCHA.DI.00-F
Name of the conference: 6ª Asamblea Hispano-Portuguesa de Geodesia y Geofísica
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
City of event: Tomar, Portugal
Date of event: 11/02/2008
End date: 14/02/2008
Organising entity: Comisión Española de Geodesia y Geofísica (CEGG), Sección Portuguesa de Uniones Internacionales Astronómica, Geodésica y Geofísica (SPUIAGG)
F.J. Pavón-Carrasco; M.L. Osete; M. Gómez-Paccard; J.M. Torta; L.R. Gaya-Piqué. "Libro de Abstracts de la 6ª Asamblea Hispano-Portuguesa de Geodesia y Geofísica, p.1-2.". 2002.
- 70** **Title of the work:** Chronology of the Final Marine Regression in the Eastern Ebro Basin: Late Eocene to Early Oligocene Tectonosedimentary Evolution. (NE Spain)
Name of the conference: American Geophysical Union AGU Fall Meeting 2007
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: San Francisco, United States of America
Date of event: 10/12/2007
End date: 17/12/2007
Organising entity: American Geophysical Union
E. Costa; M. Garcés; A. Sáez; M. López-Blanco; L. Cabrera; E. Beamud; M. Gómez-Paccard. "Eos, Trans. AGU, 88(52), Fall Meet. Suppl., Abstract GP43C-1492.". 2012.
- 71** **Title of the work:** Archeomagnetic dating of four Spanish structures
Name of the conference: International Union of Geodesy and Geophysics (IUGG) XXIV General Assembly 2007
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Perugia, Italy
Date of event: 02/07/2007
End date: 13/07/2007
Organising entity: International Union of Geodesy and Geophysics
E. Beamud; M. Gómez-Paccard. "Libro de Abstracts de la IUGG XXIV General Assembly, p.84, 2549.". 2007.
- 72** **Title of the work:** Archeomagnetic reference curves for the Iberian Peninsula
Name of the conference: International Union of Geodesy and Geophysics (IUGG) XXIV General Assembly 2007
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Perugia, Italy
Date of event: 02/07/2007
End date: 13/07/2007
Organising entity: International Union of Geodesy and Geophysics
A. Chauvin; M. Gómez-Paccard; P. Lanos; M.L. Osete; G. McIntosh; J. Thiriot. "Libro de Abstracts de la IUGG XXIV General Assembly, p.81, 2546.". 2007.



- 73** **Title of the work:** Archeomagnetic results from Spain
Name of the conference: American Geophysical Union Spring Meeting 2007
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Acapulco, Mexico
Date of event: 22/05/2007
End date: 25/05/2007
Organising entity: American Geophysical Unión
A. Chauvin; M. Gómez-Paccard; P. Lanos; G. McIntosh; M.L. Osete; J. Thiriot. "Eos Trans. AGU, 88(23), Jt. Assem. Suppl., Abstract GP41C-04". 2005.
- 74** **Title of the work:** The first archaeomagnetic secular variation curve for the Iberian Peninsula for the last 2000 years
Name of the conference: GMPCA IX Colloque d'archéométrie 2007
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
City of event: Aix-en-Provence, France
Date of event: 18/04/2007
End date: 18/04/2007
Organising entity: Groupe des Méthodes Pluridisciplinaires Contribuant à l'Archéologie
M. Gómez-Paccard; A. Chauvin; P. Lanos; G. McIntosh; M.L. Osete; G. Catanzariti; V.C. Ruiz-Martinez; J.I. Nuñez; J. Thiriot. 2004.
- 75** **Title of the work:** Arqueomagnetismo: Aplicación al estudio de hornos islámicos (Murcia)
Name of the conference: Jornadas de Vidrio de la alta Edad Media y andalusí
Type of event: Workshop **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: La Granja, Spain
Date of event: 02/11/2006
End date: 04/11/2006
Organising entity: Fundación Centro Nacional de Vidrio
M. Gómez-Paccard; A. Chauvin; P. Lanos; J. Thiriot; P. Jiménez-Castillo. "Libro de Resúmenes del congreso Jornadas de Vidrio de la alta Edad Media y andalusí". 02/04/2011.
- 76** **Title of the work:** The first archaeomagnetic secular variation curve for the Iberian Peninsula
Name of the conference: MAGIBER-IV Paleomagnetismo en España y Portugal
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Vigo, Spain
Date of event: 28/09/2006
End date: 29/09/2006
Organising entity: Sociedad Geológica de España (Comisión de Paleomagnetismo)
M. Gómez-Paccard; A. Chauvin; P. Lanos; G. McIntosh; M.L. Osete; G. Catanzariti; V.C. Ruiz-Martinez; J.I. Nuñez. "Libro de Resúmenes del MAGIBER-IV, 55-58". 2006.
- 77** **Title of the work:** A comparison of archaeomagnetic secular variation curves from western Europe and global geomagnetic field models
Name of the conference: European Geosciences Union General Assembly 2006
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
City of event: Viena, Austria



Date of event: 02/04/2006

End date: 07/04/2006

Organising entity: European Geosciences Union

M. Gómez-Paccard; A. Chauvin; P. Lanos; G. McIntosh; M.L. Osete; G. Catanzariti; V.C. Ruiz-Martinez; J.I. Nuñez. "Geophysical Research Abstracts, vol. 8, 09173, EGU 2006". 02/07/2004.

78 Title of the work: Curva de Variación Secular del Campo Geomagnético para la Península Ibérica obtenida a partir de datos arqueomagnéticos

Name of the conference: VIII Congreso internacional de cerámica medieval en el Mediterráneo

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - poster

City of event: Ciudad Real, Spain

Date of event: 27/02/2006

End date: 03/03/2006

Organising entity: Asociación Española de Arqueología Medieval

M. Gómez-Paccard; "; P. Lanos; A. Chauvin; G. McIntosh; M.L. Osete; G. Catanzariti; V.C. Ruiz-Martínez; J.I. Nuñez; D.H. Tarling; D. Bernal-Casasola; J. Thiriot; archaeological working group. "Actas del VIII Congreso internacional de cerámica medieval en el Mediterráneo". 2002.

79 Title of the work: Intensity of the geomagnetic field in Spain over the past 2000 years: an example of the importance of cooling rate correction

Name of the conference: The International Association of Geomagnetism and Aeronomy Scientific Assembly 2005

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

City of event: Tolouse, France

Date of event: 18/07/2005

End date: 29/07/2005

Organising entity: International Association of Geomagnetism and Aeronomy

M. Gómez-Paccard; A. Chauvin; P. Lanos. "Abstracts 10th IAGA 2005 Scientific Assembly". 2007.

80 Title of the work: A catalogue of Spanish archaeomagnetic data

Name of the conference: Workshop of the AARCH European Project (ref: HPRN-CT-2002-0021: Archaeomagnetic Applications for the Rescue of Cultural Heritage Research Training Network)

Type of event: Workshop

Geographical area: European Union

Type of participation: Participatory - oral communication

City of event: Rennes, Bretagne, France

Date of event: 2005

Organising entity: AARCH European Project (ref: HPRN-CT-2002-0021)

M. Gómez-Paccard; P. Lanos; A. Chauvin; G. McIntosh; M.L. Osete; G. Catanzariti; V.C. Ruiz-Martínez; J.I. Nuñez; D.H. Tarling; D. Bernal-Casasola; J. Thiriot; archaeological working group. 2005.

81 Title of the work: Intensity of the geomagnetic field in Spain over the past 2000 years: an example of the importance of cooling rate corrections

Name of the conference: Workshop of the AARCH European Project (ref: HPRN-CT-2002-0021: Archaeomagnetic Applications for the Rescue of Cultural Heritage Research Training Network)

Type of event: Workshop

Geographical area: European Union

Type of participation: Participatory - oral communication

City of event: Madrid, Community of Madrid, Spain

Date of event: 2005

Organising entity: AARCH European Project (ref: HPRN-CT-2002-0021)

M. Gómez-Paccard; P. Lanos; A. Chauvin. 2005.



- 82** **Title of the work:** The secular variation curve for the Iberian Peninsula
Name of the conference: Workshop of the AARCH European Project (ref: HPRN-CT-2002-0021: Archaeomagnetic Applications for the Rescue of Cultural Heritage Research Training Network)
Type of event: Workshop **Geographical area:** European Union
Type of participation: Participatory - oral communication
City of event: Lipari, Italy
Date of event: 2005
Organising entity: AARCH European Project (ref: HPRN-CT-2002-0021)
M. Gómez-Paccard; P. Lanos; A. Chauvin; G. McIntosh; M.L. Osete; G. Catanzariti; V.C. Ruiz-Martínez; J.I. Nuñez. 2005.
- 83** **Title of the work:** Magnetic characterisation and mapping of urban dust in Madrid, Spain
Name of the conference: American Geophysical Union Fall Meeting 2004
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: San Francisco, United States of America
Date of event: 13/12/2004
End date: 17/12/2004
Organising entity: American Geophysical Union
G. McIntosh; M. Gómez-Paccard; M.L. Osete; V. Villasante. "EOS, Transactions (Supplement), 85 (47), GP31B-0837, 2004". 2012.
- 84** **Title of the work:** Preliminary results of paleointensity of the geomagnetic field in Spain
Name of the conference: European Geosciences Union General Assembly 2004
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
City of event: Niza, France
Date of event: 25/04/2004
End date: 30/04/2004
Organising entity: European Geosciences Union
M. Gómez-Paccard; A. Chauvin; P. Lanos. "Geophysical Research Abstracts, 2004, vol. 6, 03929, EGU 2004". 2004.
- 85** **Title of the work:** Induration of fragile archaeological baked clays with sol-gel techniques
Name of the conference: Workshop of the AARCH European Project (ref: HPRN-CT-2002-0021: Archaeomagnetic Applications for the Rescue of Cultural Heritage Research Training Network)
Type of event: Workshop **Geographical area:** European Union
Type of participation: Participatory - oral communication
City of event: Thessaloniki, Greece
Date of event: 2004
Organising entity: AARCH European Project (ref: HPRN-CT-2002-0021)
M. Gómez-Paccard. 2004.
- 86** **Title of the work:** Preliminary archaeomagnetic results from Spanish kilns
Name of the conference: Workshop of the AARCH European Project (ref: HPRN-CT-2002-0021: Archaeomagnetic Applications for the Rescue of Cultural Heritage Research Training Network)
Type of event: Workshop **Geographical area:** European Union
Type of participation: Participatory - oral communication
City of event: Thessaloniki, Greece
Date of event: 2004



Organising entity: AARCH European Project (ref: HPRN-CT-2002-0021)
M. Gómez-Paccard. 2004.

87 Title of the work: Low-temperature and high magnetic field measurements of atmospheric particulate matter

Name of the conference: International Conference of Magnetism

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

City of event: Roma, Italy

Date of event: 27/07/2003

Organising entity: International Union of Pure and Applied Physics (IUPAP)

M. Gómez-Paccard; G. McIntosh; V. Villasante; M.L. Osete; J. Rodriguez-Fernandez; J.C. Gómez-Sal. "Proceedings of the International Conference of Magnetism (ICM 2003), 272-276, part 3, 2420-2421.". 27/07/2003.

88 Title of the work: The magnetic properties of tree leaves in Madrid: a measure of urban pollution

Name of the conference: MAGIBER-I Paleomagnetismo en España y Portugal

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

City of event: Burgos, España,

Date of event: 2001

Organising entity: Sociedad Geológica de España (Comisión de Paleomagnetismo)

G. McIntosh; M. Gómez-Paccard; M.L. Osete. "Libro de Resúmenes, paleomagnetismo en España y Portugal, p. 24,". 2001.

89 Title of the work: Madrid MAGETism

Name of the conference: Workshop of the MAG-NET (A European Network for Mineral Magnetic Studies of Environmental Problems) European Project (ref: CT980247)

Type of event: Workshop

Geographical area: European Union

Type of participation: Participatory - oral communication

City of event: Madrid, Community of Madrid, Spain

Date of event: 2001

Organising entity: MAG-NET European Project (ref: CT980247)

G. McIntosh; M. Gómez-Paccard; M.L. Osete. 2001.

90 Title of the work: The magnetic properties of tree leaves: preliminary results from Madrid

Name of the conference: Workshop of the MAG-NET (A European Network for Mineral Magnetic Studies of Environmental Problems) European Project (ref: CT980247)

Type of event: Workshop

Geographical area: European Union

Type of participation: Participatory - oral communication

City of event: Liverpool, United Kingdom

Date of event: 2001

Organising entity: MAG-NET European Project (ref: CT980247)

G. McIntosh; M. Gómez-Paccard; M.L. Osete. 2001.



Start-End date: 2018 - 2018

Duration: 1 day

- 4** **Title of the activity:** AGU American Geophysical Union 2017
Type of activity: Management and convener of the session: "Geomagnetic field variations in ancient times: new paleo/archeomagnetic data and models".
Convening entity: European Geosciences Union
City convening entity: New Orleans, United States of America
Start-End date: 12/2017 - 12/2017 **Duration:** 5 days
- 5** **Title of the activity:** EGU General Assembly
Type of activity: Management and convener of the session: "Geomagnetic field variations in ancient times: new paleo/archeomagnetic data and models".
Convening entity: European Geosciences Union
City convening entity: Viena, Austria
Start-End date: 04/2017 - 04/2017 **Duration:** 5 days
- 6** **Title of the activity:** EGU General Assembly
Type of activity: Management and convener of the session: "Geomagnetic field variations in ancient times: new paleo/archeomagnetic data and models".
Convening entity: European Geosciences Union
City convening entity: Viena, Austria
Start-End date: 17/04/2016 - 22/05/2016 **Duration:** 5 days
- 7** **Title of the activity:** VIII Congreso Geológico de España
Type of activity: Comité científico del congreso **Geographical area:** National
Convening entity: SOCIEDAD GEOLOGICA DE ESPAÑA
City convening entity: Huelva, Principality of Asturias, Spain
Start-End date: 2016 - 2016 **Duration:** 3 days
- 8** **Title of the activity:** EGU General Assembly
Type of activity: Management and convener of the session: "Past geomagnetic field recorders: New data, methodologies, analyses and applications. Tribute to Prof. Mary Kovacheva".
Convening entity: European Geosciences Union
City convening entity: Viena, Austria
Start-End date: 27/04/2014 - 02/05/2014 **Duration:** 5 days
- 9** **Title of the activity:** The AGU Fall Meeting 2013
Type of activity: Convener of the GP31A session: Late Quaternary Geomagnetic Field Variations I **Geographical area:** Non EU International
Convening entity: American Geophysical Union
City convening entity: San Francisco, United States of America
Start-End date: 09/12/2013 - 13/12/2013 **Duration:** 5 days
- 10** **Title of the activity:** The AGU Fall Meeting 2013
Type of activity: Convener of the GP41B session: Late Quaternary Geomagnetic Field Variations II **Geographical area:** Non EU International
Convening entity: American Geophysical Union
City convening entity: San Francisco, United States of America
Start-End date: 09/12/2013 - 13/12/2013 **Duration:** 5 days



- 11 Title of the activity:** VII Congreso Geológico de España
Type of activity: Comité científico del congreso **Geographical area:** National
Convening entity: SOCIEDAD GEOLOGICA DE ESPAÑA
City convening entity: Oviedo, Principality of Asturias, Spain
Start-End date: 2013 - 2013 **Duration:** 3 days
- 12 Title of the activity:** MAGIBER-VI Paleomagnetismo en España y Portugal
Type of activity: Comité científico del congreso **Geographical area:** National
Convening entity: SOCIEDAD GEOLOGICA DE ESPAÑA
City convening entity: Puigcerdà, Catalonia, Spain
Start-End date: 23/09/2010 - 26/09/2010 **Duration:** 4 days

R&D management

- 1 Name of the activity:** Responsable de contrato de "Ayudante de Investigación" Judit del Río
Type of management: Management of R&D&I actions and projects
Performed tasks: Diseño y supervisión del plan de trabajo: labores de muestreo arqueomagnético, consolidación y preparación de muestras, medidas de paleointensidad e interpretación de los resultados obtenidos
Entity: Institute of Geosciences IGEO (CSIC, UCM)
Start date: 01/03/2019 **Duration:** 2 years
- 2 Name of the activity:** Responsable de contrato de "Técnico superior de actividades técnicas y profesionales" Enós Delso
Type of management: Management of R&D&I actions and projects
Performed tasks: Dirijo y superviso el trabajo realizado por el técnico a tiempo completo: preparación de muestras de cerámicas y hornos muestreados en el marco del proyecto y medidas arqueomagnéticas y de magnetismo de rocas asociadas
Entity: Institute of Geosciences IGEO (CSIC, UCM)
Start date: 15/02/2017 **Duration:** 2 years

Evaluation and revision of R&D projects and articles

- 1 Performed tasks:** Referee of national and international scientific journals in Earth Sciences (e.g. Earth Planet. Sci. Lett., Geochem. Geophys. Geosys., Geophys. Res. Lett., Geophys. J. Int., Catena, J. Archeolog. Sci., Archeometry, Earth Planets Space, Comptes Rendus Palevol., J. of Cultural Heritage).
Start-End date: 2007 - 2019
- 2 Name of the activity:** PhD "La variación del campo magnético terrestre durante los últimos 3000 años. Aplicaciones a la paleoclimatología" by S.A. Campuzano
Performed tasks: Committee member of PhD defence
Entity where activity was carried out: Universidad **Type of entity:** University
 Complutense de Madrid
City of entity: Madrid, Spain
Start date: 2017
- 3 Name of the activity:** PhD "Regional geomagnetic field modeling for the last 8.0 kyrs: development and applications" by F.J. Pavón-Carrasco
Performed tasks: Committee member of PhD defence
Type of entity: University



Entity where activity was carried out: Universidad Complutense de Madrid
City of entity: Madrid, Spain
Start date: 2010

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** Université de Rennes 1
Faculty, institute or centre: Géosciences-Rennes
City of entity: Rennes, France
Start-End date: 01/03/2013 - 28/02/2015 **Duration:** 2 years
Goals of the stay: Post-doctoral
- 2** **Entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Faculty, institute or centre: Instituto de Ciencias de la Tierra Jaime Almera
City of entity: Barcelona, Catalonia, Spain
Start-End date: 13/10/2009 - 31/01/2013 **Duration:** 3 years - 3 months - 17 days
Goals of the stay: Post-doctoral
Provable tasks: Jae-Doc post-doctoral stage
- 3** **Entity:** Géosciences-Montpellier
City of entity: Montpellier, France
Start-End date: 2015 - 2013 **Duration:** 7 days
Goals of the stay: Post-doctoral
Provable tasks: Colaboración científica dentro del marco del proyecto Paleoclack: Paleomagnetic Applications for dating and identifying Holocene climate variability in southwestern Europe and the Azores islands as recorded by lake sediments
- 4** **Entity:** Géosciences-Montpellier
City of entity: Montpellier, France
Start-End date: 2014 - 2013 **Duration:** 7 days
Goals of the stay: Post-doctoral
Provable tasks: Colaboración científica dentro del marco del proyecto Paleoclack: Paleomagnetic Applications for dating and identifying Holocene climate variability in southwestern Europe and the Azores islands as recorded by lake sediments
- 5** **Entity:** University of Thessaloniki
City of entity: Thessaloniki, Greece
Start-End date: 2013 - 2013 **Duration:** 7 days
Goals of the stay: Post-doctoral
Provable tasks: Paleointensity study of Hellenistic archeological material
- 6** **Entity:** Centro Nacional de Investigación Humana CENIEH **Type of entity:** Public Research Body
City of entity: Burgos, Spain
Start-End date: 2011 - 2012 **Duration:** 15 days
Goals of the stay: Post-doctoral



Provable tasks: Paleomagnetic and rock-magnetic measurements of lacustrine sediments

- 7** **Entity:** Universitat de Barcelona **Type of entity:** University
Faculty, institute or centre: Facultat de Geologia
City of entity: Barcelona, Catalonia, Spain
Start-End date: 01/01/2007 - 12/10/2009 **Duration:** 2 years - 9 months - 12 days
Goals of the stay: Post-doctoral
Provable tasks: Juan de la Cierva post-doctoral stage
- 8** **Entity:** Centre National de la Recherche Scientifique
City of entity: Rennes, Bretagne, France
Start-End date: 01/01/2003 - 28/02/2006 **Duration:** 3 years - 2 months
Funding entity: Marie Curie Actions (European Union)
Name of programme: European Network AARCH: HPRN-CT-2002-00219
Goals of the stay: Doctorate
Provable tasks: Marie-Curie PhD research stage
- 9** **Entity:** University of Liverpool **Type of entity:** University
City of entity: Liverpool, United Kingdom
Start-End date: 01/10/2004 - 31/10/2004 **Duration:** 1 month
Goals of the stay: Doctorate
Provable tasks: Paleomagnetic and rock-magnetic study of archeological samples including microwave experiments
- 10** **Entity:** Centre National de la Recherche Scientifique **Type of entity:** State agency
Faculty, institute or centre: Civilisations Atlantiques et Archéosciences
City of entity: Rennes, Bretagne, France
Start-End date: 01/12/2002 - 31/12/2002 **Duration:** 1 month
Goals of the stay: Contracted
Provable tasks: Archeomagnetic study of archeological Spanish kilns
- 11** **Entity:** Universidad Complutense de Madrid **Type of entity:** University
Faculty, institute or centre: Facultad de Ciencias Físicas
City of entity: Madrid, Community of Madrid, Spain
Start-End date: 01/06/2001 - 30/11/2001 **Duration:** 6 months
Goals of the stay: Contracted
Provable tasks: Rock magnetic study of rocks from Southwestern Spain

Obtained grants and scholarships

- 1** **Name of the grant:** Marie Curie Post-Doc. (Intra European Fellowships for Career Development, FP7-PEOPLE-IEF-2012, Individual Competitive Grant, 269.7 k€)
Aims: Post-doctoral
Awarding entity: European Union **Type of entity:** Public Research Body
Conferral date: 01/03/2013 **Duration:** 2 years
End date: 28/02/2015
Entity where activity was carried out: Université de Rennes 1
Faculty, institute or centre: Géosciences-Rennes



- 2 Name of the grant:** JAE-Doc Post-Doc. (Competitive Individual Grant, 86.7 k€)
Aims: Post-doctoral
Awarding entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Conferral date: 13/10/2009 **Duration:** 3 years - 3 months - 17 days
End date: 31/01/2013
Entity where activity was carried out: Consejo Superior de Investigaciones Científicas
Faculty, institute or centre: Instituto de Ciencias de la Tierra Jaime Almera
- 3 Name of the grant:** Juan de la Cierva Post-Doc. (Competitive Individual Grant, 105.5 k€)
Aims: Post-doctoral
Awarding entity: Ministerio de Ciencia e Innovación **Type of entity:** Ministerio
Conferral date: 01/01/2007 **Duration:** 2 years - 9 months - 12 days
End date: 12/10/2009
Entity where activity was carried out: Universitat de Barcelona
Faculty, institute or centre: Facultat de Geologia
- 4 Name of the grant:** Marie Curie pre-doctoral position
Aims: Pre-doctoral
Awarding entity: European Union
Conferral date: 01/12/2003 **Duration:** 3 years - 2 months
End date: 28/02/2006
Entity where activity was carried out: Centre National de la Recherche Scientifique
Faculty, institute or centre: Géosciences-Rennes UMR-6118
- 5 Name of the grant:** Research contract
Aims: Pre-doctoral
Awarding entity: Centre National de la Recherche Scientifique **Type of entity:** State agency
Conferral date: 01/12/2002 **Duration:** 1 month
End date: 31/12/2002
- 6 Name of the grant:** Pre-doctoral fellowship
Aims: Pre-doctoral
Awarding entity: Universidad Complutense de Madrid **Type of entity:** University
Conferral date: 01/06/2001 **Duration:** 6 months
End date: 30/11/2001

Summary of other achievements

- 1 Description of the achievement:** Invited talk at institute of Geosciences. Title: Cuando empezó la Edad de Hierro? Habla el registro arqueomagnético del nordeste peninsular.
Accrediting entity: Los Viernes en el IGEO, ciclo de Seminarios y Charlas para entender mejor la Tierra
City accrediting entity: Madrid, Spain
Conferral date: 2019
- 2 Description of the achievement:** Invited talk at the Museo del Prado. Title: Estudio de la variación del campo geomagnético en Europa a través del Estudio arqueomagnético del patrimonio histórico: implicaciones geofísicas y arqueológicas

Accrediting entity: Jornadas Ciencia y Arte VII.

City accrediting entity: Madrid, Spain

Conferral date: 2018

3 Description of the achievement: Invited talk at the Facultat de Geografia e Historia, Universitat de Barcelona. Tittle: Archaeomagnetism: applications to dating.

Accrediting entity: Universitat de Barcelona

Type of entity: University

City accrediting entity: Barcelona, Spain

Conferral date: 2016

4 Description of the achievement: Invited talk at the Institute de Physique du Globe. Title: Geomagnetic field intensity changes over the last millennia: past successes and future challenges

Accrediting entity: Seminars at the IPGP

City accrediting entity: París, France

Conferral date: 2016

5 Description of the achievement: Invited talk at the Universidad de Burgos/Centro Nacional de Evolución Humana CENIEH. Title: Paleointensities: state-of-the-art and future challenges.

Accrediting entity: Universidad de Burgos

City accrediting entity: Burgos, Spain

Conferral date: 2016

6 Description of the achievement: Invited talk at the Royal Astronomical Society of London. Tittle: The European archeointensity database: successes and future challenges.

Accrediting entity: Geomagnetic Field Modeling and Palaeo/Archaeomagnetic Data Symposium.

City accrediting entity: London, United Kingdom

Conferral date: 2014

7 Description of the achievement: Invited talk at Géosciences-Montpellier. Title: Paleomagnetic and rock-magnetic techniques: a window onto Holocene climate variability.

Accrediting entity: Géosciences-Montpellier

City accrediting entity: Montpellier, France

Conferral date: 2013

8 Description of the achievement: Invited talk in the AGU Meeting of Americas 2013. Title: Evidence for abrupt geomagnetic field intensity changes in Europe between 200 and 1400 AD

Accrediting entity: American Geophysical Union

City accrediting entity: Cancún, Mexico

Conferral date: 2013

9 Description of the achievement: Invited talk in the European Geosciences Union General Assembly 2008. Title: Secular variation and evolution of the geomagnetic dipole moment in western Europe for the last two millennia. Comparison with global geomagnetic field models.

Accrediting entity: European Geosciences Union 2008

City accrediting entity: Viena, Austria

Conferral date: 2008

10 Description of the achievement: Wide experience in sampling campaigns for magnetostratigraphic studies

Accrediting entity: Universitat de Barcelona

Type of entity: University

Conferral date: 2008



- 11** **Description of the achievement:** Wide experience in sampling campaigns for archeomagnetic studies
Accrediting entity: Institute of Geosciences (CSIC, UCM)
Conferral date: 2007
- 12** **Description of the achievement:** Invited talk at the Universidad Complutense de Madrid. Title: Directional and intensity fluctuations of the geomagnetic field in Iberia during the last 2000 years.
Accrediting entity: Universidad Complutense de Madrid **Type of entity:** University
City accrediting entity: Madrid, Spain
Conferral date: 2006
- 13** **Description of the achievement:** Invited talk at Géosciences-Rennes. Title: The magnetic properties of atmospheric particulate matter deposited on horizontal surfaces and *Platanus x hispánica* leaves in Madrid.
Accrediting entity: Géosciences-Rennes
City accrediting entity: Rennes, France
Conferral date: 2002
- 14** **Description of the achievement:** Laboratory experience with a wide range of paleomagnetic and archeomagnetic devices
Accrediting entity: Universidad Complutense de Madrid/Université de Rennes 1/Universitat de Barcelona/CSIC/University of Liverpool/CENIEH
Conferral date: 2002
- 15** **Description of the achievement:** Wide experience in sampling campaigns for archeomagnetic studies
Accrediting entity: Universidad Complutense de Madrid/Université de Rennes 1/CNRS/CSIC
Conferral date: 2002
- 16** **Description of the achievement:** During my research career I was in maternity leave between 2008 and 2010 due to the birth of my two sons in February 2008 and December 2009.