

**CURRICULUM VITAE**

Part A. PERSONAL INFORMATION		CV date	20-01-2023
First name	Pedro		
Family name	Trapero Fernández		
Gender (*)	male	Birth date (dd/mm/yyyy)	07-09-1992
Social Security, Passport, ID number	49072066-W		
e-mail	pedro.trapero@uca.es	URL Web	
Open Researcher and Contributor ID (ORCID) (*)	0000-0001-5808-054X		

(\*) Mandatory

**A.1. Current position**

Position	Postdoctoral Research Margarita Salas		
Initial date	01-01-2022		
Institution	Cádiz University		
Department/Center	<a href="#">History, Geography and Philosophy</a>		
Country	Spain	Teleph. number	675639322
Key words	Ancient History, Roman Agriculture, GIS analysis, Non-invasive techniques		

**A.2. Previous positions (research activity interruptions, see call)**

Period	Position/Institution/Country/Interruption cause
2020 - 2021	Postdoctoral Researcher contract / University of Cádiz / Spain
2016 - 2020	Pre-doctoral contract / University of Cádiz / Spain

**A.3. Education**

PhD, Licensed, Graduate	University/Country	Year
PhD in Maritime History and Archaeology	Cádiz University	2020
Master of University Expert in unmanned aerial vehicles and its civil applications.	Cádiz University	2017
Master in teacher training	Cádiz University	2016
Master in Historical and Archaeological Heritage	Cádiz University	2015
Degree in History	Cádiz University	2014

**Part B. CV SUMMARY** (max. 5000 characters, including spaces)

My research record has been excellent over the last five years, three of them postdoctoral: 23 academic articles in the last 5 years, 10 of them in Q1 or Q2 SJR in history or archaeology, 5 in Q3/Q4, and 6 in review or pending publication. 1 book as sole author, 1 with others authors, editor of 2 books, 19 book chapters in prestigious publishers and 2 books in review. Researcher in 15 projects and 44 contracts articles 83 of the LOU (Geophysical surveys for public entities such as municipalities and universities, as well as private entities). With 25 cites in Google Scholar (auto cite removed), Index H: 4 and Index I10: 2. <https://produccioncientifica.uca.es/investigadores/167386/detalle>. I am accredited as a contracted doctor by Aneca and I am a researcher at the Agustín de Horozco Seminary of Economic Studies in History Ancient and Medieval since 2012, investigator of the research team HUM-240 Historical Heritage in Antiquity since 2015, and researcher of the History Laboratory of IVAGRO Research Institute Wine and food industry of Cádiz University since 2017. There I work in the Unit of geodetection and georeferencing of the historical and agro-food heritage since 2016, both of Cádiz University. I have seven years of university teaching and vocational training experience, with technical training fieldwork and the preparation of reports on the surface and archaeological surveys. In addition, I have conducted 8-month research stages in two internationally renowned research institutes. First, a pre-doctoral stay at the Laboratory of Geophysical, Satellite Remote Sensing and Archaeoenvironment (Institute for Mediterranean studies. for Mediterranean studies. FORTH. Rethymno, Greece), Dr. Apostolos Sarris, 3 months in 2017. Second postdoctoral stay at the Instituto de Ciências da Terra. University of Évora, Portugal, Dr. Bento Caldeira, 5 months in 2020. I am now in

two years stage, in which I have already completed half of it. This has allowed me full research independence, collaborating with various research units in the field, carry out formal teaching (six credits) and be able to conduct projects as PI. I have more than 25 international conferences in the last 5 years in events such as Landscape Archaeological Conference; Congreso Ibérico de Arqueometría; International Mediterranean Survey Workshop; Spreading Excellence in Computer Applications for Archaeology and Cultural Heritage; Techno Heritage or Theoretical Roman Archaeology Conference.

My profile is a researcher with technical potential and a researcher in the application of new technologies for the study of historical heritage, with great capacity to transfer knowledge to other disciplines and social sectors, with experience in diffusion like Scientific Summer Camp Programme and Researchers' Night. My historical and technical profile is focussing two ways: First in GIS applications on ancient landscape and territory, like agriculture and viticulture. Second in non-invasive techniques in archaeology, with several years of experience and advanced handling of techniques such as GPR or magnetometer.

I have also had a FPU allowing me to teach at for seven years (16,5 ETCS in Degree, 7 ETCS in Master and 16 ETCS credits in other in other university teaching. I have enjoyed a postdoctoral contract with teaching for thirteen months at the University of Cadiz, being able to participate in one Phd tribunal, five TFM courts and be tutor of three. Also a was participant in 10 teaching innovation projects, 2 of them currently in Cádiz University, with several coordination 3 specialised events, 7 conferences and 7 teaching and innovation publications. Finally, I have awards as incentive award for the quality of the Phd Universidad de Cádiz. and extraordinary degree award in History, University of Cádiz, 2014.

My profile is that of an international researcher, with publications in prestigious journals, most of them foreign, half of them as sole author and the other half in collaboration national and international researchers. My line of analysis focuses on two main areas. On the one hand, the study of the ancient landscape, especially Roman agriculture and viticulture, from different angles, such as the modelling of the landscape, the study of the productive economy, social relations and distribution. This has been the focus of my thesis and a line that I have continued in recent years with a Margarita Salas contract or the application for several projects, such as this award or others such as Marie Curie or Starting Grant. On the other hand, my research development has detected shortcomings in the methodology used to model ancient history, so I have developed new ways of approaching these issues, either through Geographic Information Systems, with a book or manual under evaluation and a coordinated book on good GIS practices in Hispania. The two lines complement each other, in that one has historical questions, while the other is methodological in nature.

## Part C. RELEVANT MERITS

### C.1. Publications

1. **P. Trapero**, La producción vitivinícola romana en la provincia bética. Aportes al estado de la cuestión. *Revue de Etudes Anciennes*, accepted, pending publication.
2. **P. Trapero**, Aportes de la epigrafía para el estudio de la colonia romana Hasta Regia en la provincia Ulterior Baetica. *Dialogues d'Histoire Ancienne*. Accepted, pending publication.
3. **P. Trapero**, E. Aragón, Modelling Cabotage. Coastal Navigation in the Western Mediterranean Sea During the Early Iron Age. *Journal of Archaeological Science. Reports*. 41 103270, 2022. <https://doi.org/10.1016/j.jasrep.2021.103270>
4. **P. Trapero**, Territorial modelling using ancient viticulture parameters in Roman Times. A case study in the betic colony of Hasta Regia. *Studia Antiqua et Archaeologica*, 27 (1), 2021, 147-171.
5. **P. Trapero**, Mobility in Ancient Times: combining land and water costs. *Digital Applications in Archaeology and Cultural Heritage*. e00192, 2021. <https://doi.org/10.1016/j.daach.2021.e00192>
6. **P. Trapero**, Condicionantes para el cultivo de la vid en época romana a través de Columela y los Sig. *Revista de estudios Andaluces* 41, 2021, 25-46. <https://doi.org/10.12795/rea.2021.i41.02>
7. **P. Trapero**, Roman viticulture analysis based on latin agronomist and geographic information systems in lower Guadalquivir. *Virtual Arqueology Review*. 7(14). 2016. <https://doi.org/10.4995/var.2016.4481>

8. **P. Trapero**, I. Rondán, L. Lagóstena. Innovative techniques to study Roman viticulture in Baetica. In A. Dodd and D. Van Limbergen (Eds). *The Handbook of Roman Wine Archaeology: New data, methods, and scientific approaches*, Bloomsbury, 2023.
9. **P. Trapero**, La viticultura romana en el estuario del Guadalquivir. Las prácticas de cultivo, producción, distribución y modelado SIG en la colonia Hasta Regia. *BAR International Series. S3022*. 2021. ISBN: 9781407357966.
10. L. Lagóstena, **P. Trapero**, La localización de los viñedos de Marco Columela: literatura agronómica y análisis GIS en el interfluvio Guadalquivir-Guadalete. *Paisajes productivos y redes comerciales en el imperio romano*. 2019. Colección Instrumenta, Universitat de Barcelona, 65, pp. 89 - 114.

## C.2. Congress

1. **P. Trapero**, Modelling of wine production landscapes in the Lower Guadalquivir (Betic province, Hispania). From the study of legacy data to the creation of predictive models, Session 13. Modelling the Landscape. From Predictivity to Postdictivity, Landscape archaeological Congress, LAC 2022, oral presentation, international, 14/09/2022
2. **P. Trapero**, E. Aragón Núñez, El tratamiento LiDAR y el paleopaisaje en el yacimiento de Torregarcía, Torregarcía, agua y *purpura*: historia y arqueología de un yacimiento de ribera, invited conference, international, Universidad de Almería, 25/05/2022.
3. R.J. Oliveira, **P. Trapero**, B. Caldeira, J.F. Borges, Estudo de um local arqueológico com dados multiespectrais e modelos digitais de terreno do Programa Copernicus, fotogrametria e imagens aéreas antigas. Caso de estudo da Villa Romana de Pisões. Conferência Nacional Copernicus, poster, international, 23/03/2022.
4. **P. Trapero**, L. Lagóstena Barrios, I. Rondán Sevilla. Research perspectives on viticulture in Roman Baetica based on innovative techniques. Vine-growing y winemaking in the Roman World. Rome, oral presentation, international, 27-29/10/2021.
5. **P. Trapero**, Mobility analysis proposal for the Betic province. Integration of land, river and sea routes with increased economic cost. LAC2020+1. oral presentation, international. Madrid. 08-10/06/2021.
6. A. Carneiro, **P. Trapero**, Patrones de cambio en el poblamiento rural del Norte Alentejo (Portugal): propuestas para el análisis de sitios y territorio. New approaches in the study of medieval settlement (V-XV century). Comunicación. Society for the Medieval Mediterranean. Navarra. Universidad de Navarra, invited conference, Internacional, 21/05/2021.
7. **P. Trapero**. GIS analysis of Villae, Figlinae and roman viticulture in the Guadalquivir-Guadalete interfluvie (Hasta Regia and Gades territoria). *Roman agrarian and viticultural landscapes geospatial analysis, statistics and predictive modelling: case studies research*. Barcelona. 14/11/2019. invited conference, international, Universitat Autònoma de Barcelona.
8. E. Tsigarida, S. Nanoglou, D. Stone, A. Sarris, N. Papadopoulos, N. Argyriou, M. Manataki, J. Donati, C. Manzetti, P. Trapero, M. Akamati; N. Pappas; A. Skitsa; G. Stalidis. Investigación de superficie y geofísica en Pella. *El proyecto arqueológico en Macedonia y Tracia. 31º Reunión Científica*. oral presentation, international, Tesalónica, Grecia. 03/08/2018. Universidad de Tesalónica.
9. **P. Trapero**. Ways to make history and archaeology with non-invasive techniques. The application of GIS, RPA and GPR in Hasta Regia roman city. *TechnoHeritage 2017*. oral presentation, international, Cádiz. 24/05/2017. Universidad de Cádiz.
10. **P. Trapero**. New perspectives about the analysis of Roman Agriculture: Viticulture, Columela and GIS in Lower Guadalquivir. *Digital Heritage, International Congress*. Internacional. Comunicación. Granada. Universidad de Granada, Virtual Archaeology Spanish Society y Virtual. oral presentation, international, 28/09/2015.

## C.3. Research projects

1. WINE-MODEL. Syncretism, survival and disappearance of different wine production models in Roman Times. ERC Starting Grant 2022. PI. P. Trapero. 1.500.000 €. Pending evaluation.

2. CELLA VINARIA BAETICAE. Analisis de espacios de producción, transformación y distribución en el Bajo Guadalquivir. Proyecto General de Investigación. Junta de Andalucía. PI. P. Trapero. 32.880 €. Pending evaluation.
3. Las raíces de los fenómenos urbanos en el suroeste de la Península Ibérica. Caracterización a través de la investigación no invasiva de castros y oppida de la Edad del Hierro. PID2019-104611GB-I00. Ministerio Ciencia e Innovación. Proyectos I+D+i 2019. PI: V. Mayoral. 2020-2023. 42.350 €. Researcher.
4. AQUIVERGIA. La Interacción sociedad medio ambiente en las cuencas fluviales de Hispania Meridional: conceptualización y praxis. PID2021-125967NB-I00. Ministerio de ciencia e Innovación. PI: L. Lagóstena, J. López. 2021-2025. 66.550 €. Researcher.
5. MAP-ALZAHRA. Investigación No Invasiva del Patrimonio Histórico-Arqueológico Urbano como instrumento predictivo de gestión y base para un turismo patrimonial sostenible. Proyectos Retos de la Sociedad Andaluza. Sociedades Inclusivas, Innovadoras y Reflexivas. Junta de Andalucía. PI. L. Lagóstena. 2021-2022. 65.600 €. Researcher.
6. RIPARIA 2. La interacción histórica sociedad-medio ambiente: humedales y espacios lacustres en la Bética romana. Universidad de Cádiz, Jaén y Almería. HAR 2016 – 77724P. Ministerio de Economía y Competitividad. PI. L. Lagóstena, J.L. Cañizar. 2016-2019 32.760 €. Researcher.
7. GUADAMED, 108201. La interacción sociedad-medio ambiente en la cuenca del Guadalete en la Edad Media. 2018-080 / PV / I+D+I Feder Junta de Andalucía. PI. E. Martín; E. Ruiz. 2020-2022. 136.000 €. Researcher.
8. Métodos no invasivos en Arqueología y Agricultura de Precisión para la revalorización del Patrimonio y el desarrollo de una actividad agraria productiva y sostenible. Interreg (Innovación Abierta e Inteligente en la Región Euroace (INOACE 4\_E). PI. V. Mayoral. 2020. 162.611 €. Researcher.
9. FRONTAGER - povoamento romano no concelho de Fronteira. Projetos de Investigaçao Plurianuais de Arqueolog. Dirección General de Patrimonio. PI. A. Carneiro. Desde 2020. Researcher.
10. Carta arqueológica de Estremoz, Portugal (CAETZ), financiado por el concelho de Estremoz. PI. A. Carneiro. 2020-2024. Researcher.

#### **C.4. Contracts, technological or transfer merits**

1. Actividad arqueológica preventiva estudio geofísico de Mesas de Asta. Diputación de Cultura de Cádiz. PI. L. Lagóstena. 07/11/2020-07/01/2021. 18.137,9 €. Researcher.
2. Prospección geofísica en la finca Los Isletes (loki) para la detección del acueducto romano de Gades (jerez de la Frontera, Cádiz) Hermod Solar S.L. PI. J.A Ruiz. 20/12/2019-20/02/2020. 2.855 €. Researcher.
3. Prospección geofísica en la necrópolis romana "la Dehesilla" de Puebla de Cazalla, Diputación de Cádiz. PI. L. Lagóstena. 12/11/2019-12/12/2019. 7.253,95 €. Researcher.
4. Prospección geofísica con georradar sobre sector sup. I-3. Ayuntamiento de Mijas. PI. L. Lagóstena. 01/10/2019-31/12/2019. 17.880,97 €. Researcher.
5. Prospección geofísica georradar en el yacimiento arqueológico Cerro del Castillo (Casco urbano de Chiclana de la Frontera Ayuntamiento de Chiclana. PI. L. Lagóstena. 15/03/2019-15/05/2019. 17.880,97 €. Researcher.
6. Prospección arqueológica geofísica en el término municipal de Alcalá la Real, Polígono 51, Parcela 83, Zona Sur (Jaén) Grupo Solaer. PI. L. Lagóstena. 01/09/2018-30/11/2018. 8.133,89 €. Researcher.
7. Prospección geofísica en la villa romana de Noheda (villar de Domingo García, Cuenca). PI. L. Lagóstena. 25/10/2018-25/12/2018. 3.361,10 €. Researcher.
8. Prospección geofísica en el yacimiento de Vegas Negras. Universidad de Burgos. PI. J.A. Ruiz. 01/07/2018-01/09/2018. 7.360,81 €. Researcher.
9. Prospección arqueológica superficial y geofísica en la finca Miramundo (Puerto Real) Otras Producciones de Energía Fotovoltaica SL. PI. L. Lagóstena. 23/02/2018-23/04/2018. 14.943,47 €. Researcher.
10. Prospección geofísica para la Universidad de Leiden (Holanda). PI. L. Lagóstena. 15/01/2018-14/03/2018. 3.666,66 €. Researcher.