

**CURRICULUM VITAE (CVA)**

**IMPORTANT – The Curriculum Vitae cannot exceed 4 pages. Instructions to fill this document are available in the website.**

**Part A. PERSONAL INFORMATION**

**CV date**

20/01/2022

First name	Paloma		
Family name	Rubio de Hita		
e-mail	<a href="mailto:palomarubio@us.es">palomarubio@us.es</a>		
Open Researcher and Contributor ID (ORCID) (*)	0000-0003-4473-9635		

**A.1. Current position**

Position	Profesora Titular de Universidad		
Initial date	06/09/2002		
Institution	Universidad de Sevilla		
Department/Center	Construcciones Arquitectónicas I	E.T.S. Arquitectura	
Country	Spain	Teleph. number	954556592
Key words	Rehabilitation, Building Materials, Recycling, Sustainability		

**A.2. Previous positions (research activity interruptions, art. 14.2.b)**

Period	Position/Institution/Country/Interruption cause
1995-1997	Ayudante de Universidad / U. Sevilla / Spain
1997-1997	Ayudante de Escuela Universitaria / U. Sevilla / Spain
1997-1999	Ayudante de Universidad / U. Sevilla / Spain
1999-2002	Profesora Asociada / U. Sevilla / Spain

**A.3. Education**

PhD, Licensed, Graduate	University/Country	Year
Doctor, Arquitectura	Universidad de Sevilla	1997
Titulado Superior, Arquitectura	Universidad de Sevilla	1989

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

Principal Investigator of the research group TEP-205: Analysis and evaluation of Construction and Structural Systems in Architecture.

2 six-year research periods were granted (the last one dated on 2018) and, since 2011, I have published more than 19 articles in top-level indexed journals, 10 of them from the 1st quartile in JCR. In addition, I have published 1 monographic book on topics resulting from my research work and several publications on books and book chapters related to teaching activities.

I have supervised 3 Doctoral Thesis, qualified with outstanding cum laude and two of them, in addition, with an international mention and one with the Premio Extraordinario de Doctorado. Currently, I supervise one more doctoral thesis financed by a contract for University Teacher Training (FPU) from the Ministry of Education. Principal investigator of the regional project "REhabita RURAL", working on retrofitting housing solutions to fight against the depopulation of rural environments. I have participated, as a full-time investigator, in four more national and regional projects.





Principal investigator researcher in three contracts for technology transfer, all of them according to Art 68/83 LOU and in another 9 as a member of the research team. Furthermore, I am the principal author of two national patents that are currently being processed for their PCT extension. I have participated and participate, with more than 25 communications, in the most relevant conferences that take place in the field of rehabilitation, sustainability, and intervention in historical buildings.

Since the beginning of her teaching and research career, she has been linked to research in the following lines:

- Non-destructive inspection techniques (such as ultrasound or infrared thermography) applied to the inspection and characterization of historical or traditional building systems. This line of research has led to a wide scientific production of articles in indexed journals, contributions to conferences and 2 supervised thesis. This line gave me my first six-year period of investigation.

- For 12 years now, a new line of research has been materialized, which complements the previous one, with the aim of developing sustainable and eco-efficient proposals in the rehabilitation intervention from the use of existing materials, the use of more sustainable materials and the waste minimization. All these works are being developed within the project of the National Plan W2R. This research has already generated 12 publications in JCR journals and 9 contributions to congresses, as well as one doctoral thesis and another one in progress. The second six-year research term was obtained as a result of the contributions on this line

## **Part C. RELEVANT MERITS** (sorted by typology)

### **C.1. Publications** (see instructions)

1. Journal. Romero-Gómez, María Isabel; Pedreño-Rojas, Manuel Alejandro; Pérez-Gálvez, Filomena; Rubio-De Hita, Paloma; 2021. Characterization of gypsum composites with polypropylene fibers from non-degradable wet wipes. In: Journal of Building Engineering. 34: 101874.
2. Journal. Pedreño-Rojas, Manuel Alejandro; De Brito, Jorge; Flores-Coles, Inês; Pereira, Manuel; Rubio-De Hita, Paloma; 2020. Influence of gypsum wastes on the workability of plasters: Heating process and microstructural analysis. In: Journal of Building Engineering. 29: 101143.
3. Journal. Pedreño-Rojas, Manuel Alejandro; Fort, Jan; Cerny, Robert; Rubio-De Hita, Paloma; 2020. Life cycle assessment of natural and recycled gypsum production in the Spanish context. In: Journal of Cleaner Production. 253.
4. Journal. Pedreño-Rojas, Manuel Alejandro; Morales-Conde, María Jesús; Pérez-Gálvez, Filomena; Rubio-De Hita, Paloma. 2019. Influence of polycarbonate waste on gypsum composites: Mechanical and environmental study. 2019. In: Journal of Cleaner Production. 218: 21-37.
5. Journal. Rubio de Hita, Paloma; Pérez Gálvez Filomena; Morales-Conde María Jesús; Pedreño Rojas, Alejandro. 2018. Reuse of plastic waste of mixed polypropylene as aggregate in mortars for the manufacture of pieces for restoring jack arch floors with timber beams. In: Journal of Cleaner Production 198: 1-11.
6. Book Chapter. Rodríguez-Liñan, Carmen; Morales-Conde, María Jesús; Pérez-Gálvez, Filomena; Rubio-de-Hita, Paloma; López-Alonso, Silvia. 2017. Environmental assessment and energy certification for the sustainable restoration of a traditional building. In: Sustainable Development and Renovation in Architecture, Urbanism and Engineering. Ed. 1. Cham, Suiza. Springer International Publishing. 191-202.
7. Journal. Morales-Conde, María Jesús; Rodríguez-Liñan, Carmen; Rubio-De Hita, Paloma. 2015. A study of the wood-related factors involved in non-destructive ultrasound tests perpendicular to the grain for Scots pine. In: Materials and Structures, 1-10





8. Journal. Morales-Conde, María Jesús; Rodríguez-Liñan, Carmen; Rubio-De Hita, Paloma. 2015. Bending and shear reinforcements for timber beams using GFRP plates. In: Construction and Building Materials. 96: 461-472.
9. Journal. Morales-Conde, María Jesús; Rodríguez-Liñan, Carmen; Rubio-De Hita, Paloma. 2014. Use of ultrasound as a nondestructive evaluation technique for sustainable interventions on wooden structures. In: Building and Environment. 82: 247-257.
10. Journal. Pérez-Gálvez, Filomena; Rubio-De Hita, Paloma; Ordoñez-Martín, Manuel; Morales-Conde, María Jesús; Rodríguez-Liñan, Carmen. 2013. Sustainable restoration of traditional building systems in the historical centre of Sevilla (Spain). In: Energy and Buildings. 62: 648-659.

## C.2. Congress

1. World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium. Pedreño-Rojas, Manuel Alejandro; Morales-Conde, María Jesús; Pérez-Gálvez, Filomena; Romero-Gómez, María Isabel; Rubio-de-Hita, Paloma. 2020. Eco-efficient false ceiling plates made from plaster with wood and plastic residues. WMCAUS. Prague, Czech Republic. 01/09/2020-05/09/2020. Scope: International. Oral presentation.
2. REHABEND 2020. Pedreño-Rojas, Manuel Alejandro; Rubio-de-Hita, Paloma; Pérez-Gálvez, Filomena; Morales-Conde, María Jesús; Rodríguez-Liñán, Carmen; Romero-Gómez, María Isabel. 2020. Reuse of ceramic and plastic waste as aggregate in mortars for the manufacture of prefabricated beam-filling pieces in structural floors. Universidad de Cantabria. Granada, Spain. 28/09/2020-30/09/2020. Scope: International. Oral presentation.
3. World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium. Pedreño-Rojas, Manuel Alejandro; Rodríguez-Liñan, Carmen; Morales-Conde, María Jesús; Perez-Galvez, Filomena; Rubio-de-Hita, Paloma. 2019. Influence of wood and plastic waste as aggregates in gypsum plasters. WMCAUS. Prague, Czech Republic. 17/06/2019-21/06/2019. Scope: International. Oral presentation.
4. REHABEND 2018. Pedreño-Rojas, Manuel Alejandro; Morales-Conde, María Jesús; Pérez-Galvez, Filomena; Rodríguez-Liñan, Carmen; Rubio-De Hita, Paloma. 2018. Influencia de la incorporación de residuos de madera en el comportamiento térmico de compuestos de mortero y yeso. Aplicaciones en la rehabilitación de edificios. Universidad de Cantabria. Cáceres, Spain. 15/05/2018-18/05/2018. Scope: International. Oral presentation.
5. III Congreso Internacional y V Nacional de Construcción Sostenible y Soluciones Eco-eficientes. Morales-Conde, María Jesús; Rubio-De Hita, Paloma; Pérez-Galvez, Filomena; Rodríguez-Liñan, Carmen; López-Alonso, Silvia. 2017. Evaluación Ambiental y Calificación Energética de una Rehabilitación Sostenible de un Edificio de Viviendas Tradicional. Universidad de Sevilla. Sevilla, Spain. 27/03/2017-29/03/2017. Scope: International. Oral presentation.
6. 5th International Conference on Heritage and Sustainable Development. Rubio-De Hita, Paloma; Pérez-Galvez, Filomena; Morales-Conde, María Jesús; Rodríguez-Liñan, Carmen. 2016. A New Infill Piece Made from Ceramic and Plastic Waste for Sustainable Repair Work on Planked Timber Floor Slabs. Green Lines Institute for Sustainable Development. Lisbon, Portugal. 12/07/2016-15/07/2016. Scope: International. Oral presentation.
7. II Congreso Internacional y IV Nacional de Construcción Sostenible y Soluciones Eco-eficientes. Rubio-De Hita, Paloma; Pérez-Galvez, Filomena; Morales-Conde, María Jesús; Rodríguez-Liñan, Carmen. 2015. Planked timber floor slabs with ceramic demolition waste. Universidad de Sevilla. Sevilla, Spain. 25/05/2015-27/05/2015. Scope: International. Oral presentation.



Junta de Andalucía

Consejería de Transformación Económica, Industria, Conocimiento y Universidades  
Secretaría General de Universidades, Investigación y Tecnología

### C.3. Research projects

1. Reference: US.20-07. Project: "REhabita RURAL". Plan de micro actuaciones de rehabilitación en entornos rurales para luchar contra la despoblación. Funding: Consejería de Fomento, Infraestructuras y Ordenación del Territorio. Junta de Andalucía. Principal investigator: Rubio-de-Hita, Paloma (Universidad de Sevilla). Duration: 10/09/2021-09/12/2022. Grant: 37050 EUR. Participation: Principal Investigator.
2. Reference: 3124/0893. Project: Investigación teórica y constructiva para el Proyecto de Investigación Re-Habitar Patrimonio Contemporáneo y Tecnología (Proyecto de actualización tecnológica del Patrimonio Contemporáneo: Vivienda Social del movimiento moderno). Funding: Instituto Andaluz del Patrimonio Histórico. Principal investigator: Tejedor-Cabrera, Antonio (Universidad de Sevilla). Duration: 01/08/2017-01/06/2018. Grant: 33101 EUR. Participation: Investigator.
3. Reference: BIA2013-43061-R. Project: W2R - De Residuos a Recursos: Valorización Integral de los Residuos Generados en la Rehabilitación Energética de Edificios. Funding: Ministerio de Economía y Competitividad. Principal investigator: Del-Río-Merino, Mercedes (Universidad Politécnica de Madrid). Duration: 01/01/2014-31/12/2016. Grant: 94000 EUR. Participation: Investigator.
4. Reference: DPI2008-03847. Project: Fiabilidad y seguridad en robótica aérea. Funding: Ministerio de Educación y Ciencia. Principal investigator: Ollero-Baturone, Aníbal (Universidad de Sevilla). Duration: 01/01/2009-31/12/2011. Grant: 543048 EUR. Participation: Investigator.

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

1. Contract. Análisis del estado y capacidad resistente de estructura de madera en cubierta de la mezquita de Almonaster (Huelva). ART. 68-83. 12/06/2019-11/11/2019. Ayuntamiento de Almonaster la Real (Huelva).
2. Contract. Informe de Diagnóstico de patología de estructuras de madera en dos zonas de Iglesia de San Jorge de Palos de la Frontera. ART. 68-83. 18/05/2016-17/06/2016. Ayuntamiento de Palos de la Frontera.
3. Contract. Proyecto de investigación sobre el estado de la estructura de cubiertas de madera de los pabellones de grabado y barrenado de la antigua Fábrica de Artillería de Sevilla. ART. 68-83. 02/02/2015-01/04/2015. Elabora S.L.
4. National Patent P201601008 P. Rubio de Hita, F. Perez-Galvez, C. Rodriguez-Liñan, M.J. Morales-Conde. "Procedimiento para la fabricación de morteros con residuos cerámicos y su aplicación en una pieza de entrevigado para forjados con vigas de madera".
5. National Patent 201700419. P. Rubio de Hita, F. Pérez Gálvez, M.J. Morales Conde, C. Rodríguez Liñán. "Procedimiento para la fabricación de morteros con residuos plásticos y su aplicación en una pieza de entrevigado para forjados unidireccionales".

