

CURRICULUM VITAE

CV date	16/11/2021
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Part A. PERSONAL INFORMATION

First and Family name	M ^a JOSÉ MARTÍNEZ-ECHEVARRÍA ROMERO
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A.1. Current position

Name of University/Institution	University of Granada		
Department	Civil Engineering Construction and Engineering Projects		
Address and Country	Avenida Fuentenueva, 18071 Granada. Andalucía. Spain		
Phone number	0034958240488	E-mail	mjmartinez@ugr.es
Current position	Full Professor (Profesora Titular de Universidad)	From	2021
Espec. cód. UNESCO	330505 (Tecnología del Hormigón) 330506 (Ing. Civil) 331212 (Ensayos de materiales)		
Palabras clave	Concrete, sustainable construction, testing materials, metallic corrosion		

A.2. Education

	University	Year
PhD.	Granada	2012
Master Civil Engineering	Granada	1998

A.3. JCR articles, h Index.

I have 16 articles published in JCR with a total of 227 citations which lead my h-index to a value of 6. Ten of them are published in Q1 journals, two in a Q2, one in a Q3 and three in Q4 journals.

Part B. CV SUMMARY

Professor at the University of Granada since 2008, in the Department of Civil Engineering Construction and Engineering Projects. Currently I belong to the research group TEP-001 LabIC. I teach Civil Engineering Construction and Material Science in Civil Engineering Degree as well as Material Science and Concrete in Science and Technology Architectural Heritage Master.

Civil Engineering, PhD since 2012. My research is focused on construction materials and the main research lines among others are:

- Reuse of waste in Concrete
- New technologies in Self-Compacting Concrete
- Study of corrosion of reinforcements in concrete
- Revaluation of technological nutrients as building materials

I have a 3-months predoctoral stay at the University of Nottingham, United Kingdom on 2011, and a 3-months postdoctoral one at University of Piura, Lima, Perú on 2014 with a JCR article as result of it.

I have also worked for private companies (9 years of experience in different companies in the private sector) what allows my research and my teaching all the acquired knowledge. In fact, since 2001 I have worked in companies related to construction materials testing and quality control and that was the reason why I was hired to settle and organize the construction materials laboratory in the Department of Construction Engineering and Engineering Projects in 2007.

Indicate that since 2007, I have gone through different stages and positions in my Institution, not allowing practically none of them to hold relevant positions for the management part. However, I accumulate a series of university management activities such as the direction of the Departmental Section of Construction Engineering, the Coordination of External Practices of the School and the participation as a member of the Master Academic Committee and the Internal Guarantee of the Quality among others.

Part C. RELEVANT MERITS

C.1. Publications

Cabrera, M.; **Martínez-Echevarría, M.J.**; López-Alonso, M.; Agrela, F.; Rosales, J. 2021. *Self-compacting recycled concrete using biomass bottom ash*. Materials 2021, 14(20), 6084

Martínez-Echevarría, M.J.; López-Alonso, M.; Garach, L.; Alegre, J.; Poon, C.S.; Agrala, F.; Cabrera, M. 2020. *Crushing treatment on recycled aggregates to improve their mechanical behaviour for use in unbound road layers*. Construction and Building Materials Volume 263, , 120517

Martínez-Echevarría, M.J.; Castillo Mingorance, J.M.; Lopez-Alonso, M. and Rodríguez Montero, J. 2020. *Delayed strains and mechanical properties of self-compacting concrete with waste filler of bituminous mixtures*. Journal of Materials in Civil Engineering Volume 32 Issue 7, 04020174

M. José Martínez-Echevarría, Luisa María Gil-Martín, José Rodríguez Montero and Enrique Hernández-Montes. *Influence of the shape of head anchors on the durability of reinforced concrete elements*. Advances in Concrete Construction, Vol. 10, No. 1 (2020) 000-000

Lopez-Alonso, Mónica, **Martínez-Echevarría Romero, Mª José**, ,Garach, L., Galán, A., Ordóñez, J., Agrela, F. 2019. *Feasible use of recycled alumina combined with recycled aggregates in road construction of the previous state of corrosion of rebars in predicting the service life of reinforced concrete structures*. Construction and Building Materials 249: 249–257

Martínez-Echevarría Romero, Mª José, Lopez-Alonso, Mónica, Cantero Romero, Dionisio, Rodríguez Montero, José. 2018. *Influence of the previous state of corrosion of rebars in predicting the service life of reinforced concrete structures*. Construction and Building Materials 188: 915–923

Martínez-Echevarría Romero, Mª José, Tafur Garro, Nancy Mariela, Gallardo Zevallos, Germán. 2016. *Implementation of the Mechanistic-Empirical Pavement Design in Northern Peru using a Calibration Coefficient for the International Roughness Index*. Construction and Building Materials. 102: 270-280.

Martínez-Echevarría Romero, Mª José; García-Travé, Gema María; Rubio-Gámez, María Del Carmen; Moreno-Navarro, Fernando Manuel; Perez-Mira, Domingo. 2015. *Valorization of vinasse as binder modifier in asphalt mixtures*. Dyna Colombia. 82: 52-56.

Martínez-Echevarría Romero, Mª José; Tejeda-Piuseaut, Eduardo; Rubio-Gámez, María Del Carmen; Moreno-Navarro, Fernando Manuel. 2013. *Evaluación del dispositivo Pavement Quality Indicator (PQI) en la determinación de la densidad in situ de mezclas fabricadas con emulsión bituminosa*. Materiales de construcción. (Madrid). 63: 93-104.

Rubio Gámez, Mª Carmen; Moreno-navarro, Fernando; **Martínez-Echevarría Romero, Mª José**; Martínez-Montes, German; Vázquez- Epifanio, Jose Miguel. 2013. *Comparative analysis of emissions from the manufacture and use of hot and half-warm mix asphalt* . Journal of Cleaner Production. 41: 1-6.

Moreno-Navarro, Fernando Manuel; García-Travé, Gema María; Rubio-Gámez, María Del Carmen; **Martínez-Echevarría Romero, Mª José**. 2013. *Analysis of the moisture susceptibility of hot bituminous mixes based on the comparison of two laboratory test methods*. Dyna-Medellín. 181: 44-59.

Martínez-Echevarría Romero, Mª José, Miró Recasens, Rodrigo, Rubio Gámez, Mª Carmen, Menéndez Ondina, Antonio. 2012. *In-Laboratory compaction procedure for cold recycled mixes with bituminous emulsions*. Construction and Building Materials. 36: 918-924.

García-Travé, Gema María; **Martínez-Echevarría Romero, Mª José**; Rubio-Gámez, María Del Carmen; Moreno-Navarro, Fernando Manuel. 2012. *Bituminous mix response to plastic*

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deformations: Comparison of the Spanish NLT-173 and UNE-EN 12697-22 Wheel-Tracking tests. Dyna Ingeniería e Industria. 174: 51-57.

Moreno-Navarro, Fernando Manuel; Rubio-Gámez, María Del Carmen; **Martínez-Echevarría Romero, M^a José**. 2012. *The mechanical performance of dry-process crumb rubber modified hot bituminous mixes: the influence of digestion time and crumb rubber percentage.* Construction & Building Materials.26: 466-474

Moreno-Navarro, Fernando Manuel; Rubio-Gámez, María Del Carmen; **Martínez-Echevarría Romero, M^a José**. 2011. *Reuse of sludge from the decorative quartz industry in hot bituminous mixes.* Construction & Building Materials. 25: 2465-2471.

Moreno-Navarro, Fernando Manuel; Rubio-Gámez, María Del Carmen; **Martínez-Echevarría Romero, M^a José**. 2011. *Analysis of digestion time and the crumb rubber percentage in dry-process crumb rubber modified hot bituminous mixes.* Construction & Building Materials. 25: 2323-2334.

C.2. Research projects and grants

Title: TÉCNICAS DE INFERENCIA COMPUTACIONAL APLICADAS AL MODELADO DE LA CONTAMINACIÓN SONORA Y DE LAS CARACTERÍSTICAS TÉRMICAS Y LUMÍNICAS DE COMPONENTES DE EDIFICIOS Y DE CARRETERAS (TEC2012-38883-C02-02)

Financing entity: MINISTERIO DE ECONOMÍA Y COMPETITIVIDAD

Participating entities: UNIVERSIDAD DE GRANADA

Project period: from 01/01/2013 to 31/12/2015

Call: Proyectos de I+D+I. 2012

Import: 73,000.00 €

Responsible researcher: Dr. Diego Pablo Ruiz Padillo

Involment: Researcher

Title: DESARROLLO Y VALORACIÓN DE RESIDUOS DE BIOMASA EN LA FABRICACIÓN DE MEZCLAS BITUMINOSAS (IPT-2011-1577-420000)

Financing entity: MINISTERIO DE CIENCIA E INNOVACIÓN

Participating entities: UNIVERSIDAD DE GRANADA

Project period: from 01/01/2011 to 31/12/2014

Call: Proyecto de Investigación del Subprograma INNPACTO

Import: 296,649.00 €

Responsible researcher: Dra. M^a Carmen Rubio Gámez

Involment: Researcher

Title: INVESTIGACIÓN DE NUEVAS MEZCLAS DE BAJA ENERGÍA PARA REHABILITACIÓN SUPERFICIAL (IPT-420000-2010-12)

Financing entity: MINISTERIO DE CIENCIA E INNOVACION

Project period: from 01/01/2010 to 31/12/2013

Call: Proyecto de Investigación del Subprograma INNPACTO

Import: 271.127,50 €

Responsible researcher: Dra. M^a Carmen Rubio Gámez

Involment: Researcher

Title: APLICACIÓN DE NEUMÁTICOS FUERA DE USO (NFUs) EN FIRMES DE CARRETERA RESISTENTES A LA PROPAGACIÓN DE GRIETAS (C-2797)

Financing entity: CDTI-MINISTERIO DE CIENCIA E INNOVACION

Project period: from 01/05/2009 to 31/12/2012

Import: 583.999,68 €

Responsible researcher: Dra. M^a Carmen Rubio Gámez

Involment: Researcher

C.3. Contracts

MÉTODOS PARA ACELERAR LA CORROSION EN ANODOS DE ZINC (2018-2019)
39,185.00 €

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INVESTIGACIÓN EN NUEVAS TECNOLOGÍAS DE APLICACIÓN A LAS OBRAS DE INGENIERÍA CIVIL. (2008 - 2013) 720,000.00 €

INNOVACIÓN EN EL DISEÑO Y PRODUCCIÓN DE MEZCLAS BITUMINOSAS DE BAJA ENERGÍA. OPTIMIZACIÓN TÉCNICA Y MEDIOAMBIENTAL MEDIANTE METODOLOGÍA ACV (ANÁLISIS DE CICLO DE VIDA). (2011 - 2013) 30,000.00 €

C.4. Research Group

TEP-001 LabIC