

**Part A. Personal Information**

<b>DATE</b>	20/06/2018
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Surname(s)	GIL RIBES	
Forename	JESÚS A.	
Social Security, Passport, ID number		
Sex		
Age		
Researcher codes	WoS Researcher ID (*)	
	SCOPUS Author ID(*)	25822130800
	Open Researcher and Contributor ID (ORCID)	0000-0001-8301-9468

(\*) At least one of these is mandatory

**A.1. Current position**

Post/ Professional Category	Full Professor	
UNESCO Code	320102	
Key Words	Agricultural mechanisation, precision farming, conservation agriculture, energy efficiency	
Name of the University/Institution	Universidad de Córdoba	
	Department/Centre	Ingeniería Rural
	Full Address	Campus Rabanales, Ed Leonardo da Vinci, Ctra. N-IVa km 396, 14071, Córdoba, Spain
	Email Address	
	Phone Number	
Start date	2006	

**A.2. Education** (*title, institution, date*)

Year	University	Degree	Title
1975	Universidad de Córdoba	First degree	Agricultural engineering
1979	Universidad de Córdoba	Ph.D.	PhD.

**A.3. Indicators of Quality in Scientific Production** (*See the instructions*)

Scopus (Accessed 20/6/2018)
Documents = 39
Total number of citations = 409
Number of citations during the last five years = 282
Total number of publications in the first quartile (Q1) = 24
Total number of publications in the first decile (D1) = 23
h-index= 13

**Part B. Free Summary of CV** (*Max. of 3.500 characters, including spaces*)

Head Researcher of group 'Mechanization and Rural Technology'. Director or co-director of 16 theses. Principal investigator of 36 competitive research projects and 68 research contracts. Author or co-author of 15 patents, 4 utility models and more than 500 scientific technical and divulgation publications. Director of the LIFE + AGRICARBON Project, awarded in Brussels in the Green Week of 2018 as "Best of the Best" in the form of Climate Action. Director of the Pre-Commercial Procurement 'MECAOLIVAR' that, together with the PCP 'Biomedicina' driven the University
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of Cordoba to the National Innovation and Design Award 2015 in the Innovative Public Procurement modality. 2016 Award for innovation and knowledge transfer from the UCO.

## Part C. Relevant accomplishments

### C.1. Publications

Emilio Gil; et al. 2018. First attempts to obtain a reference driftcurve for traditional olive grove's plantations following ISO 22866. 2018. Science of the Total Environment. 627: 349-360

Sergio Castro García; Rafael R Sola Guirado; Jesús A GilRibes. 2018. Vibration analysis of the fruit detachment process in late-season "Valencia" orange with canopy shaker technology. Biosystems Engineering. 170: 130-137.

Antonio Miranda-Fuentes; Antonio Rodríguez-Lizana; Andrés Cuenca; Emilio Gonzalez-Sanchez; Gregorio Blanco-Roldán; Jesús A Gil-Ribes. 2017. Improving plant protection product applications in traditional and intensive olive orchards through the development of new prototype air-assisted sprayers. Crop Protection. 94: 44-58.

Antonio Rodríguez-Lizana; Maria João Pereira; Manuel Castro Ribeiro; Amílcar Soares; Francisco Marquez-Garcia; Alzira Ramos; Jesús A. Gil-Ribes. 2017. Assessing local uncertainty of soil protection in an olive grove area with pruning residues cover: a geostatistical simulation approach. Land Degradation and Development. 28: 2086-2097.

Rafael R. Sola-Guirado; David Ceular-Ortiz; Jesús A. Gil-Ribes. 2017. Automated system for real time tree canopy contact with canopy shakers Computers and Electronics in Agriculture. 143:139-148.

Antonio Miranda-Fuentes; Jordi Llorens; Antonio Rodríguez-Lizana; Andrés Cuenca; Emilio Gil; Gregorio L. Blanco-Roldán; Jesús A. Gil-Ribes. 2016. Assessing the optimal liquid volume to be sprayed on isolated olive trees according to their canopy volume. Science of the Total Environment. 568: 296-305.

Antonio Miranda-Fuentes; Antonio Rodríguez-Lizana; Emilio Gil-Moya; Juan Agüera-Vega; Jesús A. Gil-Ribes. 2015. Influence of liquid-volume and airflow rates on spray application quality and homogeneity in super-intensive olive tree canopies. Science of the Total Environment. 537: 250-259.

Sergio Castro-García; Francisco J. Castillo-Ruiz; Francisco Jimenez-Jimenez; Jesús A. Gil-Ribes; Gregorio L. Blanco-Roldán. 2015. Suitability of Spanish 'Manzanilla' table olive orchards for trunk shaker harvesting. Biosystems Engineering. 129: 388-395.

Francisco J. Castillo-Ruiz; Manuel Pérez-Ruiz; Gregorio L. Blanco-Roldán; Jesús A. Gil-Ribes; Juan Agüera-Vega. 2015. Development of a telemetry and yield-mapping system of olive harvester. Sensors. 15: 4001-4018.

Rafael R. Sola-Guirado; Sergio Castro-García; Gregorio L. Blanco-Roldán; Francisco Jimenez-Jimenez; Francisco J. Castillo-Ruiz; Jesús A. Gil-Ribes. 2014. Traditional olive tree response to oil olive harvesting technologies. Biosystems Engineering. 118: 186-193.

### C.2. Research Projects and Grants

GOP31-CO-16-007. DOSAOLIVAR: dosificación de productos fitosanitarios en el olivar. CAPDER. J.A. Gil Ribes and G.L. Blanco Roldán. Universidad de Córdoba. 2017-18. 91.000 €. Principal investigator.

GOP31-CO-16-0006. Cubiertas vegetales de especies nativas de olivar Consejería de Agricultura, Pesca y Desarrollo Rural. Jesús Gil Ribes. Universidad de Córdoba. 2017-2018. 39.000 €. Principal investigator.

RTA2014-00025-C05-03. Aplicación de nuevas tecnologías para una estrategia integral de la recolección mecanizada de cítricos (CITRUSREC). INIA. Sergio Castro-García. Universidad de Córdoba. 2015-2018. 90.000€. Researcher.

UNCO15-C-3648. Laboratorio de tecnologías de precisión en agricultura, ganadería, agroindustria y gestión forestal. Ministerio de Economía y Competitividad. Ayudas a

Infraestructuras. J.A. Gil Ribes. Universidad de Córdoba. 2016-2020. 999.979 €. Principal investigator.

LIFE13 ENV/ES/000541. ClimAgri-Best agricultural practices for Climate Change: Integrating strategies for mitigation and adaptation. Comisión Europea. J.A. Gil-Ribes. Universidad de Córdoba. 2014-2018. 276.620 €. Principal investigator.

TecnoRural-W. Dirección General de Desarrollo Rural M. Agricultura Pesca y Medio Ambiente. J.A. Gil Ribes and E. González Sánchez. 2011-2012. 300.000 €. Principal investigator.

LIFE08 ENV/E/000129. LIFE+AGRICARBON-Sustainable agriculture in Carbon arithmetics. European Commission. J.A. Gil-Ribes and E. González Sánchez. Universidad de Córdoba. 2010-2014. 2.674.653 €. Principal investigator.

### C.3. Contracts

Pre-Commercial Procurement INNOLIVAR: Innovación y tecnología para un olivar sostenible. Ministerio de Economía, Industria y Comercio-Universidad de Córdoba. Jesús A. Gil Ribes. 2017-2021. 5.239.493 €.

Sponsorship contract for the promotion and development of innovative processes in the olive grove. Interprofesional del Aceite de Oliva Español. J.A. Gil Ribes. Universidad de Córdoba. 2018-21. 1.028.359 €.

Mejora de la mecanización y la recolección de la aceituna de mesa. J.A. Gil Ribes. Universidad de Córdoba. INTERACEITUNA. 2018-21. 529.012€.

TOPPS-water protection. European Crop Protection Association. E. Gonzalez-Sanchez. Universidad de Córdoba. 2015-2018. 80.000€.

Pre-Commercial Procurement MECAOLIVAR. Ministerio de Economía y Competitividad - Universidad de Córdoba. J.A. Gil Ribes. 2013-2015. 3.105.360 €.

### C.4. Patents and other IPR

Francisco Márquez García; Jesús Gil Ribes; Gregorio Blanco Roldan. P201531573. Desbrozadora para cubiertas vegetales. España. 05/05/2017. Universidad de Córdoba y Asesores Técnicos y Agrícolas, S.A.

Francisco Márquez García; Jesús Gil Ribes; Gregorio Blanco Roldan. P201531574. Máquina para aplicación de tratamientos fitosanitarios sobre superficies de cultivo. España. 05/05/2017. Universidad de Córdoba y Asesores Técnicos y Agrícolas, S.A.

Jesús Gil Ribes; Gregorio Blanco Roldan; Arques, José; Belchi, Gines; Andrés Cuenca Cuenca; Antonio Miranda Fuentes. P201531507. Máquina fumigadora para cultivos arbóreos. España. 24/04/2017. Universidad de Córdoba y Asesores Técnicos y Agrícolas, S.A.

Rafael R. Sola Guirado; Jesús Gil Ribes; Sergio Castro García; Gregorio Blanco Roldan; Jiménez-Jiménez, Francisco. P201531823. Taco de pinza de vibrador de troncos para reducir el daño por descortezado en los árboles. España. 13/09/2016. Universidad de Córdoba y Bandcaucho S.L.

Rafael R. Sola Guirado; Jesús Gil Ribes; Gregorio Blanco Roldan; Sergio Castro García; Moreno-Martínez, Francisco. P201531334. Sistema y método de cosecha lateral de árboles frutales mediante vareo mecánico modular. España. 10/08/2016. Universidad de Córdoba y Moresil S.L.

### C.5, C.6, C.7... Other

Chairman of the AEAC-SV (Spanish Association of Conservation Agriculture) since 2003.

Award 'Caja Rural del Sur 2105' to the best agrifood project "Desarrollo de cosechadoras para el olivar tradicional".

Award 'Premio a la Igualdad 2012' from the Regional Government of Cordoba to the project titled 'Red de Desarrollo Rural del MAGRAMA, Tecno Rural Woven: Mecanización agraria sostenible una oportunidad para la integración laboral de las mujeres'.