

**Part A. PERSONAL INFORMATION**

CV date 06/03/19

First and Family name	Emilio Jesús González Sánchez		
Researcher numbers	Researcher ID	G-2796-2013	
	Orcid code	0000-0002-8031-6595	

**A.1. Current position**

Name of University/Institution	Universidad de Córdoba – ETSIAM - School of Agricultural and Forestry Engineering		
Department	Rural Engineering – Ingeniería Rural		
Address and Country	Campus de Rabanales. Córdoba (Spain)		
Phone number	+34957212663	E-mail	<a href="mailto:emilio.gonzalez@uco.es">emilio.gonzalez@uco.es</a>
Current position	Adjunct Professor	From	2007
Espec. cód. UNESCO	310201,310204		
Palabras clave	Conservation agriculture, sustainable mechanization		

**A.2. Education**

PhD	University	Year
Doctor Internacional	University of Córdoba	2016

**A.3. JCR articles, h Index, thesis supervised...**

Number of thesis under supervision: 3  
 Number total of publications JCR: 17  
 Total citations in the last five years: 237  
 h Index: 7

JCR in the first quartile (Q1): 11

**A4. Indicadores académicos generales.**

4.1. *Quinquenios Docentes.*

4.2. *Resultado de la Evaluación Docente (programa DOCENTIA o similar). Favorable 86,33.*

4.3. *Número de asignaturas impartidas en el título evaluado: 2*

4.4. *Puestos de Gestión ocupados.*

**Part B. CV SUMMARY (max. 3500 characters, including spaces)**

Dr Emilio J. González-Sánchez is Adjunct Professor, holding an accreditation as Assistant Professor (Prof Contratado Doctor), at the Department of Agricultural Engineering, Agroforestry Engineering Area (University of Cordoba, Spain). He is a member of the Research Group AGR- 126 Mechanization and Rural Technology. González-Sánchez's background is in sustainable agriculture and land management based on the principles of Conservation Agriculture, with a special focus on climate change mitigation, mechanization and environmental impact assessment. His PhD thesis was on: "The potential of Conservation Agriculture to mitigate climate change in Mediterranean areas".

González-Sánchez has been the general coordinator of several European Union funded projects, including the LIFE+ ClimAgri and the LIFE+ Agricarbon, which has been awarded by the European Commission as "Best of the Best". Dr González has been appointed as International Consultant on Conservation Agriculture and Climate Smart

Agriculture by the FAO in Armenia, Cuba, Turkey and Uzbekistan. González- Sánchez is a member of the International Conservation Agriculture Advisory Panel (ICAAP - Africa). He is the coordinator of the runoff team of the TOPPs Water Protection project in Spain. Since May 2000, González-Sánchez has been the Executive Manager of the Spanish Association for Conservation Agriculture / Living Soils (AEAC/SV), and since January 2006, he has been the Secretary General of the European Conservation Agriculture Federation (ECAAF). Both NGOs promote the soil management “best practice” aspects of Conservation Agriculture, leading to the preservation and enhancement of agricultural land and its biodiversity at the Spanish and European levels respectively. The network of farmers within AEACSV comprises 10 regional groups and over 1,500 members. With member associations in Denmark, Finland, France, Germany, Greece, Ireland, Italy, Moldova, Portugal, Russia, Slovakia, Spain, Switzerland, Turkey and United Kingdom, ECAAF represents the interests of the majority of the European Union's cropped farmland.

González-Sánchez has published widely and is a regular presenter of his work at national and international conferences. He is actively engaged in discussions with EU on the future of farming in Europe and has been a contributor of evidence-based assessments to discussions and decisions in support of CAP reforms. In Spain, during the past 20 years, González-Sánchez has been instrumental in supporting the transformation of some 1 Mha of perennial systems, and a similar area of cropland systems, to Conservation Agriculture. Dr González-Sánchez has been visiting researcher (9 months in total) at Centre for Environmental Policy - Imperial College London, and at ICAAM-Inst. Ciências Agrárias e Ambientais Mediterrânicas of the University of Evora.

## Part C. RELEVANT MERITS

### C.1. Publications (including books)

- Scientific paper. Gonzalez-Sanchez, Emilio Jesus; et al. 2019. Meta-analysis on carbon sequestration through Conservation Agriculture in Africa. *Soil & Tillage Research*. 190, pp.22-30.
- Scientific paper. Triviño-Tarradas; et al. 2019. Sustainability assessment of annual and permanent crops: The INSPIA model. *Sustainability*. 11 (3), 738.
- Scientific paper. Miranda-Fuentes, Antonio; et al. 2018. Developing strategies to reduce spray drift in pneumatic spraying in vineyards: Assessment of the parameters affecting droplet size in pneumatic spraying. *Science of the Total Environment*. 616-617, pp.805-815.
- Scientific paper. Miranda-Fuentes, Antonio; et al. 2017. Improving plant protection product applications in traditional and intensive olive orchards through the development of new prototype air-assisted sprayers. *Crop Protection*. 94, pp.44-58.
- Scientific paper. González-Sánchez, Emilio Jesús; et al. 2016. Conservation Agriculture and its contribution to the achievement of agri-environmental and economic challenges in Europe *AIMS Agriculture and Food*. 1(4), pp.387-408.
- Scientific paper. González-Sánchez, Emilio Jesús. 2016. Towards Conservation Agriculture systems in Moldova. *AIMS. Agriculture and Food*. 1 (4), pp.369-386.
- Scientific paper. González-Sánchez, Emilio Jesús; et al. 2015. A renewed view of conservation agriculture and its evolution over the last decade in Spain. *Soil & Tillage Research*. Volume 146-B, pp.204-212.
- Scientific paper. Márquez-García, Francisco; et al. 2013. Improvement of soil carbon sink by cover crops in olive orchards under semiarid conditions. Influence of the type of soil and weed. *Spanish Journal of Agricultural Research*. 11-2, pp.335-346.
- Scientific paper. Jiménez-Jiménez, Francisco; et al. 2013. Isolation of table olive damage causes and bruise time evolution during fruit detachment with trunk shaker. *Spanish Journal of Agricultural Research*. 11-1, pp.65-71.

- Scientific paper. Kassam, Amir; Basch, Gottlieb; González-Sánchez, Emilio Jesús. 2012. Conservation agriculture in the dry Mediterranean climate. Field Crops Research. 132, pp.7-17.
- Scientific paper. González-Sánchez, Emilio Jesús; et al. 2012. Meta-analysis on atmospheric carbon capture in Spain through the use of conservation agriculture. Soil and Tillage Research. 122, pp.52-60.
- Scientific paper. Carbonell-bojollo, Rosa; et al. 2011. SOIL MANAGEMENT SYSTEMS AND SHORT TERM CO<sub>2</sub> EMISSIONS IN A CLAYEY SOIL IN SOUTHERN SPAIN. SCIENCE OF THE TOTAL ENVIRONMENT. 409-409, pp.2929-2935.
- Book chapter. Basch, Gottlieb; et al. 2014. Conservation agriculture in Europe Conservation Agriculture. IV, pp.357-389.

## C.2. Research projects and grants

- 1 LIFE17 CCM/ES/000140: LIFE AGROMITIGA - Development of climate change mitigation strategies through carbon-smart agriculture. Director: EMILIO JESÚS GONZÁLEZ SÁNCHEZ From 15/09/2018. 2.782.957€.
- 2 LIFE13 ENV/ES/000541, ClimAgri-Best agricultural practices for Climate Change: Integrating strategies for mitigation and adaptation. COMISIÓN EUROPEA. Director:EMILIO JESÚS GONZÁLEZ SÁNCHEZ. From 01/06/2014. 2.160.614 €.
- 3 Compra Pública Precomercial Mecaolivar FEDER. From 16/12/2013. 3.881.700 €.
- 4 LIFE08 ENV/E/000129, SUSTAINABLE AGRICULTURE IN CARBON ARITHMETICS Director: EMILIO JESÚS GONZÁLEZ SÁNCHEZ. From 01/01/2010. 2.674.653 €.

## C.3. Contracts

- 1 Estudio de distintos compuestos fertilizantes en diversos cultivos y manejos de suelo. JESÚS A. GIL RIBES. 02/02/2017-02/02/2019. 6.050 €.
- 2 Estudio de la efectividad de la aplicación en cobertura de productos bioestimulantes en cereal de invierno. JESÚS A. GIL RIBES. 02/02/2017-P730D. 5.368,77 €.
- 3 Estudio para el uso de distintos compuestos fitosanitarios en diversos cultivos y manejos de suelo. JESÚS A. GIL RIBES. 02/02/2017-P730D. 9.075 €.
- 4 Servicio de asistencia técnica para evaluación de instrumentación ITEAF. BLANCO ROLDAN, GREGORIO L.18/07/2016-P184DT1H. 21.767,9 €.
- 5 Asistencia Técnica para evaluación de instrumentación ITEAF GREGORIO LORENZO BLANCO ROLDÁN. 24/06/2016-P183DT1H. 21.767,9 €.
- 6 TOPPS-water protection. EMILIO JESÚS GONZÁLEZ SÁNCHEZ. 27/05/2015- P1095D. 80.000 €.
- 7 Prórroga 2014 del contrato. "TOPPS PROWADIS: Train Operators to Promote Practices and Sustainability - to protect water from diffuse sources". EMILIO JESÚS GONZÁLEZ SÁNCHEZ. 24/02/2014-P310D. 15.000 €.
- 8 Proyecto MECAOLIVAR (Convenio entre el Ministerio de Economía y Competitividad y a Universidad de Córdoba) JESÚS A. GIL RIBES. 16/12/2013-P744D. 3.105.360 €.
- 9 Optimización de la aplicación de fitosanitarios en el olivar tradicional. BLANCO ROLDAN, GREGORIO L.20/12/2012-P921DT23H. 72.600 €.
- 10 Diseño y ensayo de prototipos de sistemas de recolección integral de la aceituna en el olivar tradicional. CASTRO GARCÍA, SERGIO. 29/11/2012-P1D. 19.232,04 €.
- 11 Proyecto Mecanización en la Agricultura de Conservación. Convenio entre la UCO y la Asociación Española de Agricultura de Conservación/Suelos Vivos GREGORIO LORENZO BLANCO ROLDÁN. 02/03/2010-P1460D. 179.485 €.

- 12 CONTRATO DE CONSULTORÍA Y ASISTENCIA PARA IMPARTIR SEMINARIOS CIENTÍFICOS Y JORNADAS TÉCNICAS PARA EL FOMENTO DE LA AGRICULTURA DE CONSERVACIÓN. MANUEL RAMÓN GÓMEZ ARIZA. 29/02/2008-P111DT23H. 48.000 €.
- 13 ESTUDIO DE LA AGRICULTURA DE CONSERVACIÓN EN CULTIVOS HERBÁCEOS EN PENDIENTE, ADAPTACIÓN DE LA MAQUINARÍA ESPECÍFICA, DISMINUCIÓN DE RIESGOS DE CONTAMINACIÓN DE AGUAS Y LA EROSIÓN. JESÚS A. GIL RIBES. 01/01/2008-P730D. 228.667 €.
- 14 CONVENIO COLABORACIÓN ENTRE IDAE Y LA ASOCIACIÓN ESPAÑOLA DE AGRICULTURA DE CONSERVACIÓN /SUELOS VIVOS . JESÚS A. GIL RIBES. 11/09/2007-P91DT1H. 147.195,77 €.
- 15 RED ANDALUZA DE EXPERIMENTACION AGRARIA: CULTIVOS HERBACEOS EN AGRICULTURA DE CONSERVACION. RAFAELA ORDOÑEZ FERNÁNDEZ. 17/11/2006- P775D. 162.384,52 €.
- 16 La agricultura de conservación y la sostenibilidad ambiental del campo español FRANCISCO MÁRQUEZ GARCÍA. 03/07/2006-P879DT1H. 45.000 €.
- 17 Influencia del sistema de manejo de suelo en la contaminación de las aguas de olivar ecológico FRANCISCO MÁRQUEZ GARCÍA. 01/06/2006-P547DT1H. 54.125 €.
- 18 DESARROLLO DE UN PROGRAMA DE SEGUIMIENTO PARA LA EVALUACIÓN DE LA APLICACIÓN DE LAS MEDIDAS DE FOMENTO DE CUBIERTAS VEGETALES EN EL OLIVAR EN ANDALUCÍA JESÚS A. GIL RIBES. 01/07/2005-P1064D. 12.279,55 €.
- 19 RED ANDALUZA DE EXPERIMENTACION AGRARIA: CULTIVOS HERBACEOS EN AGRICULTURA DE CONSERVACIÓN RAFAELA ORDOÑEZ FERNÁNDEZ. 01/09/2004- P364D. 71.902,94 €.
- 20 CONVENIO COLABORACIÓN ENTRE DIPUTACIÓN CÓRDOBA Y ASOCIACIÓN ESPAÑOLA DE AGRICULTURA DE CONSERVACIÓN/SUELOS VIVOS PARA EL DESARROLLO Y DIFUSIÓN DE LA AGRICULTURA DE CONSERVACIÓN. JESÚS A. GIL RIBES. 19/07/2004-P365D. 3.000 €.
- 21 CONVENIO COLABORACIÓN AEAC Y SIPCAM INAGRA S.A., PARA EL DESARROLLO DE TÉCNICAS DE MÍNIMO LABOREO Y FERTILIZACIÓN LOCALIZADA CON FERTILIZANTES MICROGRANULADOS EMILIO JESÚS GONZÁLEZ SÁNCHEZ. 01/07/2004-P365D. 6.000 €.
- 22 PROGRAMA DE EXPERIMENTACIÓN ADAPTATIVA Y TRANSFERENCIA DE TECNOLOGÍA EN SIEMBRA DIRECTA EN ANDALUCÍA. EMILIO JESÚS GONZÁLEZ SÁNCHEZ. 13/05/2004-P870D. 46.080 €.
- 23 DESARROLLO DE UN PROGRAMA DE SEGUIMIENTO PARA LA EVALUACIÓN DE LA APLICACIÓN DE LAS MEDIDAS DE FOMENTO DE CUBIERTAS VEGETALES EN EL OLIVAR DE ANDALUCÍA JESÚS A. GIL RIBES. 16/12/2003-P366D. 138.584,58 €.
- 24 ESTABLECIMIENTO DE UNA RED ANDALUZA DE ENSAYOS DE CEREAL DE INVIERNO Y OLEAGINOSAS EN SISTEMAS DE AGRICULTURA DE CONSERVACIÓN. RAFAELA ORDOÑEZ FERNÁNDEZ. From 01/02/2003. 215.708,82 €.
- 25 Estudio comparativo del efecto del sistema de cultivo sobre las propiedades químicas del suelo y la cobertura de la finca La Chimenea bajo diferentes rotaciones. EMILIO JESÚS GONZÁLEZ SÁNCHEZ. 01/01/2002-P2190D. 4.150 €.

#### C.4. Patents

FRANCISCO MÁRQUEZ GARCÍA; JESÚS A. GIL RIBES; GREGORIO LORENZO BLANCO ROLDÁN; EMILIO JESÚS GONZÁLEZ SÁNCHEZ; Osuna-sevillano, Juan; Jiménez-López, Antonio Fernando. U201531296. DESBROZADORA DE CUBIERTAS VEGETALES 18/12/2015.