



Daniel Plaza Bonilla

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Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium- and long- term. It also includes other important aspects or peculiarities.

Dr. Daniel Plaza-Bonilla (www.danielplazabonilla.eu) is Ramón y Cajal fellow (from April 2020) in Universitat de Lleida (UdL). As a young PI he is now invested on the positioning of his research team (PhD students' supervision, funding, reinforcing international collaborations, dissemination and communication). Has published 38 scientific JCR papers (28 as Q1), being first or senior author in 22. Categories of Agronomy, Soil Sciences and Environmental Sciences. Has an H-index of 17. Currently, he is PI of the Spanish partner (UdL) in the EU project Legume-GAP (www.legumegap.eu), of the LegSapiens (MAPA - FEADER) Innovation project and of 2 regional research projects (PROSOY and ASSOCIECO) and was responsible for attracting the ERA-NET Biodiversify PRIMA project to UdL. When including the Ramón y Cajal grant DPB has attracted ca. 700 k€ of competitive funding to UdL, for the last 2 years (2019-2021), as well as contracts with enterprises. Has participated in 5 international and a range of national research projects as well as contracts with private enterprises and EU Tenders. Numerous works presented in national and international congresses, six of which as oral communications. Has co-advised a PhD (Dr. Evangelina Pareja), is currently co-advising 3 more PhD students (Genís Simón, Louise Blanc and Rasendra Talukder). Has advised several undergrad and grad students in Spain (14) and France (1). Has published 6 scientific book chapters and different dissemination articles addressed to agricultural producers, advisors and policymakers. Has participated in multiple technology transfer and dissemination activities at the regional and national level.

His previous national and international postdoctoral research experience comprises highly prestigious contracts: Juan de la Cierva-Incorporación fellowship (1st out of 74 candidates) in UdL, Juan de la Cierva-Formación fellowship (3rd out of 71 candidates) in CSIC (2016 to 2018) and a postdoctoral position in INRAe (Toulouse, France) under the supervision of Dr. Éric Justes, funded by the LEGITIMES and Leg-N-GES international projects.

He is member of the Editorial Committee of Geoderma (Q1 Soil Science) and Associated Editor of Journal of Environmental Quality (Q2 Environmental Sciences) and Frontiers in Agronomy. He is an active Evaluator for different International (PRIMA and Biodiversa, European Union; FONCyT, Argentinian national research plan) and National calls (Plan Estatal, Infraestructuras, Juan de la Cierva postdoc contracts). He is a highly active reviewer for several scientific JCR-indexed journals (Publons profile: publons.com/a/1252153/) (more than 100 reviews in the last 5 years).

Agricultural Engineer by the Universitat de Lleida (UdL), he obtained a PhD in Agronomy (Excelente cum Laude, UdL, 2013) being highlighted with an Extraordinary Award. During the predoctoral period he was funded by the MEC with a FPU grant. He is responsible of Agronomy subject in the Double Degree of Veterinary Sciences in UdL. He worked as a collaborator professor during 5 years in an Agricultural School (Escuela de Capacitación Agraria, Les Borges Blanques, Lleida).

Research activities focused on the improvement of cropping systems for a sustainable use of natural resources. His research focuses on the design and assessment of innovative climate-smart cropping system alternatives based on lower environmental impact, and adequate



productivity, for a sustainable use of natural resources. The approach is systemic based on empirical techniques and soil-crop modelling.

General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

- "Ramón y Cajal" fellow (2020-to date, UdL).
- "Juan de la Cierva-Incorporación" fellow (2018-2020, UdL). 1st out of 74 candidates.
- "Juan de la Cierva-Formación" fellow (2016-2018, EEAD-CSIC). 3rd out of 71 candidates.
- PhD thesis advised: 1. PhD Student: Evangelina Pareja Sánchez. Universidad de Lleida. Currently advising 3 PhD students (Mr. Genís Simon, Miss Louise Blanc, Mr. Rasendra Talukder).
- Master thesis/Project End Degree advisor: 8 (Spain, Universidad de Lleida), 1 (France, INRA UMR AGIR). Currently advising 3 Master of Thesis and 6 End Degree project students.

- Ratio publications as first author/senior author vs total: 58%.
- Publications included in SCI journals: 36.
- Publications as first or senior author: 21.
- Publications in the first quartile (Q1): 29.
- Book chapters: 4.

- H index (WOS): 17.
- Total citations (WOS): 1015.
- Average number of citations per year (2016-2020): 154.

Associate Editor of Journal of Environmental Quality (IF: 2.579; Q2 Environmental Sciences).
Editorial Board member of Geoderma (IF: 4.336; Q1 Soil Science).
Editorial Board of Frontiers in Agronomy.

**Daniel Plaza Bonilla**

Surname(s): **Plaza Bonilla**
 Name: **Daniel**
 ORCID: **0000-0003-4998-8585**
 ScopusID: **36646663200**
 ResearcherID: **L-5075-2013**
 Date of birth: **19/06/1985**
 Country of birth: **Spain**
 City of birth: **Les Borges Blanques**
 Contact aut. region/reg.: **Catalonia**
 Email: **daniel.plaza@pvcf.udl.cat**
 Personal web page: **www.danielplazabonilla.eu**

Current professional situation

Employing entity: Universitat de Lleida **Type of entity:** University
Department: Dpto. Producción Vegetal y Ciencia Forestal, Escuela Técnica Superior de Ingeniería Agraria
Professional category: Ramón y Cajal
City employing entity: Lleida, Catalonia, Spain
Phone: (34) 973702856
Start date: 01/04/2020
Type of contract: Temporary employment **Dedication regime:** Full time contract
Primary (UNESCO code): 310000 - Agricultural Sciences
Secondary (UNESCO code): 310300 - Agronomy
Tertiary (UNESCO code): 310303 - Crop management; 310305 - Cultural engineering; 310306 - Field crops; 310313 - Soil fertility
Identify key words: Crop production; Cultivation techniques; Cultivation system

Previous positions and activities

	Employing entity	Professional category	Start date
1	Universitat de Lleida	Contrato postdoctoral Juan de la Cierva-Incorporación	15/04/2018
2	Consejo Superior de Investigaciones Científicas	Contrato postdoctoral Juan de la Cierva-Formación	15/04/2016
3	Institut National de la Recherche Agronomique (INRA)	Postdoctoral researcher	15/04/2014
4	Universitat de Lleida, Department of Crop and Forestry Sciences	Postdoc	01/02/2014
5	Escuela de Capacitación Agraria de Les Borges Blanques.	Profesor	30/10/2013
6	Universidad de Lleida		06/10/2009

	Employing entity	Professional category	Start date
		Estudiante de doctorado (Formación de Profesorado Universitario-FPU)	
7	Escuela de Capacitación Agraria de Les Borges Blanques.	Profesor colaborador	09/2008
8	Colorado State University, Department of Soil and Crop Sciences	Research Assistant	23/06/2008
9	Universitat de Lleida	Becario de Investigación	01/02/2008
10	Universitat de Lleida	Asistente de Investigación	01/05/2007

- 1** **Employing entity:** Universitat de Lleida **Type of entity:** University
Department: Producción Vegetal y Ciencia Forestal, Escuela Técnica de Ingeniería Agraria
City employing entity: Lleida, Catalonia, Spain
Professional category: Contrato postdoctoral Juan de la Cierva-Incorporación
Start-End date: 15/04/2018 - 31/03/2020 **Duration:** 2 years
Type of contract: Temporary employment contract
Dedication regime: Full time
Performed tasks: Captación de financiación EU. Liderazgo socio español en proyecto ERA-NET EU LegumeGap (www.legumegap.eu). Dirección de tesis doctorales y trabajos fin de grado y master. Diseño de experimentos y su establecimiento. Captación de actores para la participación en propuestas público-privadas. Aumento de colaboraciones científicas nacionales e internacionales.
- 2** **Employing entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Department: Suelo y Agua, Estación Experimental de Aula Dei
City employing entity: Zaragoza, Aragon, Spain
Professional category: Contrato postdoctoral Juan de la Cierva-Formación
Start-End date: 15/04/2016 - 14/04/2018 **Duration:** 2 years
Type of contract: Temporary employment contract
Dedication regime: Full time
- 3** **Employing entity:** Institut National de la Recherche Agronomique (INRA) **Type of entity:** Public Research Body
Department: UMR AGIR 1248, INRA-Toulouse
City employing entity: Toulouse, Midi-Pyrénées, France
Professional category: Postdoctoral researcher
Start-End date: 15/04/2014 - 14/04/2016 **Duration:** 2 years
Type of contract: Temporary employment contract
Dedication regime: Full time
Performed tasks: Member of the Varieties and cropping systems for an agro-ecological production (VASCO) team in UMR-AGIR (INRA-Toulouse, France) as a Post-Doctoral researcher. I studied the impact of the inclusion of grain legumes and cover crops in low-input innovative cropping systems in agronomic and environmental terms. I valorized long-term field experiment data including the simulation of soil and crop processes with the STICS model. I co-directed one Master of Thesis student.
- 4** **Employing entity:** Universitat de Lleida, Department of Crop and Forestry Sciences
City employing entity: Lleida, Catalonia, Spain
Professional category: Postdoc
Start-End date: 01/02/2014 - 14/04/2014 **Duration:** 2 months - 14 days
Type of contract: Temporary
Dedication regime: Full time



- 5** **Employing entity:** Escuela de Capacitación Agraria de Les Borges Blanques.
City employing entity: Les Borges Blanques, Catalonia, Spain
Professional category: Profesor
Start date: 30/10/2013 **Duration:** 3 months - 2 days
- 6** **Employing entity:** Universidad de Lleida **Type of entity:** University
Department: Department of Crop and Forestry Sciences, Escuela Técnica Superior de Ingeniería Agraria
City employing entity: Lleida, Catalonia, Spain
Professional category: Estudiante de doctorado (Formación de Profesorado Universitario-FPU)
Start date: 06/10/2009 **Duration:** 4 years
Type of contract: Grant-assisted student (pre or post-doctoral, others)
- 7** **Employing entity:** Escuela de Capacitación Agraria de Les Borges Blanques.
City employing entity: Les Borges Blanques, Catalonia, Spain
Professional category: Profesor colaborador
Start date: 09/2008 **Duration:** 5 years - 1 month - 1 day
- 8** **Employing entity:** Colorado State University, Department of Soil and Crop Sciences
City employing entity: Fort Collins, United States of America
Professional category: Research Assistant
Start date: 23/06/2008 **Duration:** 2 months - 20 days
Type of contract: Temporary
Dedication regime: Full time
- 9** **Employing entity:** Universitat de Lleida **Type of entity:** University
City employing entity: Lleida, Catalonia, Spain
Professional category: Becario de Investigación
Start date: 01/02/2008 **Duration:** 4 months - 22 days
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Dedication regime: Full time
- 10** **Employing entity:** Universitat de Lleida
City employing entity: Lleida, Catalonia, Spain
Professional category: Asistente de Investigación
Start date: 01/05/2007 **Duration:** 5 months
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Dedication regime: Full time



Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

- 1 University degree:** Higher degree
Name of qualification: Master Oficial de Investigación en Sistemas de Producción Agroalimentaria
Degree awarding entity: Universitat de Lleida
Date of qualification: 2010
- 2 University degree:** Higher degree
Name of qualification: Ingeniero Agrónomo
Degree awarding entity: Universitat de Lleida
Date of qualification: 2008
- 3 University degree:** Higher degree
Name of qualification: Ingeniero Técnico Agrícola, especialidad en Explotaciones Agropecuarias
Degree awarding entity: Universitat de Lleida
Date of qualification: 2006

Doctorates

Doctorate programme: Doctor Ingeniero Agrónomo
Degree awarding entity: Universitat de Lleida **Type of entity:** University
City degree awarding entity: Lleida, Catalonia, Spain
Date of degree: 17/12/2013
Thesis title: Emisiones de gases de efecto invernadero y protección del carbono orgánico del suelo en secanos mediterráneos: efectos del laboreo y de la estrategia de fertilización.
Thesis director: Carlos Cantero Martínez
Thesis co-director: Jorge Álvaro Fuentes
Obtained qualification: Sobresaliente cum laude
Recognition of quality: Yes

Specialised, lifelong, technical, professional and refresher training (other than formal academic and healthcare studies)

- 1 Type of training:** Course
Training title: Proyectos Europeos. Como escribir una propuesta Horizon 2020 para investigadores con experiencia previa en propuestas competitivas.
Awarding entity: Universitat de Lleida **Type of entity:** University
End date: 27/02/2019 **Duration in hours:** 9 hours

**2** Type of training: Course

Training title: Proyectos Europeos. Financiación, programa Horizonte H2020 y aspectos administrativos y financieros para principiantes.

Awarding entity: Universitat de Lleida

End date: 01/02/2019

Type of entity: University

Duration in hours: 9 hours

3 Type of training: Course

Training title: Advances in breeding and agronomy for improving sustainability and quality of grain legume crops.

Awarding entity: IAMZ (Mediterranean Agronomic Institute of Zaragoza)

End date: 20/10/2017

Duration in hours: 33 hours

4 Type of training: Course

Training title: Greenhouse Gases Emissions Accounting for Agriculture and Forestry Offset Projects.

City awarding entity: Fort Collins, United States of America

Awarding entity: Geenhouse Gas Accounting Training Center. Natural Resources Ecology Laboratory-Colorado State University.

Training manager: Keith H. Paustian

End date: 29/03/2013

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
French	B1	B1	B1	B1	A1
English	B2	B2	B2	B2	B2
Catalan	C1	C1	C1	C1	C1
Spanish	C1	C1	C1	C1	C1

Teaching experience

General teaching experience

1 Name of the course: AGRONOMIA

University degree: Doble Grado en Veterinaria y Ciencia y Salud Animal

Start date: 15/02/2021

End date: 23/06/2021

Entity: Universitat de Lleida

Type of entity: University

Faculty, institute or centre: ETSIA

2 Name of the course: Measurements and control in Ecophysiology

University degree: Master Degree Mediterranean Forestry and Natural Resources Management (MEDfOR)

Start date: 15/02/2021

End date: 23/06/2021

Entity: Universitat de Lleida

Type of entity: University

Faculty, institute or centre: ETSIA

3 Type of teaching: Official teaching

Name of the course: Cultivos herbáceos extensivos

University degree: Grado Medio en Producción Agropecuaria, orientación Producción Agrícola

Start date: 01/10/2013

End date: 31/01/2014



Entity: Departamento de Agricultura de la Generalitat de Catalunya
Type of entity: Escuela de Capacitación Agraria

Faculty, institute or centre: Escuela de Capacitación Agraria de Les Borges Blanques (Lleida)

4 Name of the course: Principios de Sanidad Vegetal

University degree: Grado Medio en Producción Agropecuaria, orientación Producción Agrícola

Start date: 01/10/2013

End date: 31/01/2014

Entity: Departamento de Agricultura de la Generalitat de Catalunya
Type of entity: Escuela de Capacitación Agraria

Faculty, institute or centre: Escuela de Capacitación Agraria de Les Borges Blanques (Lleida)

5 Name of the course: Producción hortícola

University degree: Grado Medio en Producción Agropecuaria, orientación Producción Agrícola

Start date: 01/10/2013

End date: 31/01/2014

Entity: Departamento de Agricultura de la Generalitat de Catalunya
Type of entity: Escuela de Capacitación Agraria

Faculty, institute or centre: Escuela de Capacitación Agraria de Les Borges Blanques (Lleida)

6 Name of the course: Síntesis

University degree: Grado Medio en Producción Agropecuaria, orientación Producción Agrícola

Start date: 01/10/2013

End date: 31/01/2014

Entity: Departamento de Agricultura de la Generalitat de Catalunya
Type of entity: Escuela de Capacitación Agraria

Faculty, institute or centre: Escuela de Capacitación Agraria de Les Borges Blanques (Lleida)

7 Name of the course: Fundamentos Agronómicos

University degree: Grado Medio en Producción Agropecuaria, orientación Producción Agrícola

Start date: 01/10/2013

End date: 31/01/2014

Entity: Departamento de Agricultura de la Generalitat de Catalunya
Type of entity: Escuela de Capacitación Agraria

Faculty, institute or centre: Escuela de Capacitación Agraria de Les Borges Blanques (Lleida)

8 Type of teaching: Official teaching

Name of the course: Cultivos herbáceos extensivos

University degree: Grado Medio en Producción Agropecuaria, orientación Producción Agrícola

Start date: 15/09/2008

End date: 30/09/2013

Entity: Departamento de Agricultura de la Generalitat de Catalunya
Type of entity: Escuela de Capacitación Agraria

Faculty, institute or centre: Escuela de Capacitación Agraria de Les Borges Blanques (Lleida)

9 Name of the course: Fundamentos Agronómicos

University degree: Grado Medio en Producción Agropecuaria, orientación Producción Agrícola

Start date: 15/09/2008

End date: 30/09/2013

Entity: Departamento de Agricultura de la Generalitat de Catalunya
Type of entity: Escuela de Capacitación Agraria

Faculty, institute or centre: Escuela de Capacitación Agraria de Les Borges Blanques (Lleida)



Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Diversificación de los sistemas de cultivo en los secanos mediterráneos.
Type of project: End of course project
Entity: Universitat de Lleida **Type of entity:** University
City of entity: Lleida, Catalonia, Spain
Student: Carles Ribera Barea
Date of reading: 2021
- 2** **Project title:** Estudio agronómico de los cultivos asociados colza - guisante, guisante - trigo duro y garbanzo - trigo duro en condiciones mediterráneas
Type of project: End of course project
Entity: Universitat de Lleida **Type of entity:** University
City of entity: Lleida, Catalonia, Spain
Student: Óscar Cano Caudevilla
Date of reading: 2021
- 3** **Project title:** Evaluación agronómica y económica de diferentes estrategias de fertilización nitrogenada en cereales de invierno
Type of project: End of course project
Entity: Universitat de Lleida **Type of entity:** University
City of entity: Lleida, Catalonia, Spain
Student: Gerard Segarra Calsina
Date of reading: 2021
- 4** **Project title:** Evaluación de la introducción del cultivo de la soja en los sistemas de cultivo tradicionales de los regadíos mediterráneos (in catalan)
Type of project: End of course project
Entity: Universitat de Lleida **Type of entity:** University
City of entity: Lleida, Catalonia, Spain
Student: Ariadna Marquilles Mateu
Date of reading: 2021
- 5** **Project title:** Control de malas hierbas en soja a través de diferentes técnicas de manejo del cultivo (in catalan)
Type of project: Minor thesis
Entity: Universitat de Lleida **Type of entity:** University
City of entity: Lleida, Catalonia, Spain
Student: Genís Simon Miquel
Date of reading: 2021
- 6** **Project title:** De la agricultura tradicional a la agricultura de conservación. Rol de las prácticas agrícolas en la mejora de la calidad del suelo y la productividad de los cultivos herbáceos extensivos
Type of project: Trabajo de Investigación
Entity: Universitat de Lleida **Type of entity:** University
Student: Adrià Safont Serra
Date of reading: 2020



- 7** **Project title:** Fijación de nitrógeno. Hacia una agricultura más sostenible.
Type of project: Trabajo de Investigación
Entity: Universitat de Lleida **Type of entity:** University
Student: Aina Villalba Blanch
Date of reading: 2020
- 8** **Project title:** Introducción de las leguminosas en la rotación de cultivos.
Type of project: Trabajo de Investigación
Entity: Universitat de Lleida **Type of entity:** University
Student: Àngel Térmens Forcada
Date of reading: 2020
- 9** **Project title:** The role of sustainable agricultural practices to mitigate greenhouse gases and to sequester soil carbon under newly irrigated Mediterranean systems.
Type of project: Doctoral thesis
Co-director of thesis: Carlos Cantero Martínez; Daniel Plaza Bonilla
Entity: Universitat de Lleida **Type of entity:** University
Student: Evangelina Pareja Sánchez
Obtained qualification: Excelente cum laude
Date of reading: 13/06/2019
- 10** **Project title:** Establecimiento de cultivo de maíz de segunda cosecha bajo diferentes itinerarios manejo del suelo y siembra. Análisis agronómico y económico
Type of project: End of course project
Entity: Universitat de Lleida **Type of entity:** University
City of entity: Lleida, Catalonia, Spain
Student: Nil Orrit Nabau
Date of reading: 2019
- 11** **Project title:** Valoración de variedades y dosis de siembra del cultivo de maíz en sistemas de producción forrajera en dos condiciones de cultivo
Type of project: End of course project
Entity: Universitat de Lleida **Type of entity:** University
City of entity: Lleida, Catalonia, Spain
Student: Ramon Bobet Rufach
Date of reading: 2019
- 12** **Project title:** Evaluación ambiental y agronómica de técnicas de manejo de suelo y fertilización en cereales de invierno en zonas de secano semiárido Mediterráneo
Type of project: Minor thesis
Entity: Universitat de Lleida **Type of entity:** University
City of entity: Lleida, Catalonia, Spain
Student: Clara Orno Badia
Date of reading: 2019
- 13** **Project title:** Análisis de distintas técnicas de manejo del suelo sobre el rendimiento y el desarrollo radicular del cultivo de la colza: análisis agronómico y económico.
Type of project: End of course project
Entity: Universitat de Lleida **Type of entity:** University
City of entity: Lleida, Catalonia, Spain
Student: Genís Simón Miquel



Obtained qualification: Matrícula de Honor
Date of reading: 2018

- 14** **Project title:** Productividad de variedades de colza en condiciones de secano semifrescal Mediterráneo: análisis agronómico y económico.
Type of project: End of course project
Entity: Universitat de Lleida **Type of entity:** University
City of entity: Lleida, Catalonia, Spain
Student: Berta Llorens Marbà
Date of reading: 2018
- 15** **Project title:** Valoración agronómica y económica de la respuesta de variedades de guisante (*Pisum sativum*) y de la fertilización nitrogenada en zonas de secano mediterráneo.
Type of project: End of course project
Entity: Universitat de Lleida **Type of entity:** University
City of entity: Lleida, Catalonia, Spain
Student: Jesús Montserrat Companys
Date of reading: 2018
- 16** **Project title:** Economical analysis of the use of cover crops in innovative cropping systems in the Garonne valley, France
Type of project: Minor thesis
Entity: INRA-Toulouse **Type of entity:** Public Research Body
City of entity: Toulouse, Midi-Pyrénées, France
Student: Irene Nogué Serra
Obtained qualification: Matrícula de Honor
Date of reading: 22/02/2016
- 17** **Project title:** Impact of low-input innovative cropping systems -based on grain legumes, cover crops and intercrops- on the mineralization of soil organic carbon and nitrogen
Type of project: Prácticas en empresas. Convenio Universidad de Lleida-INRA Toulouse
Entity: INRA-Toulouse **Type of entity:** Public Research Body
City of entity: Toulouse, Midi-Pyrénées, France
Student: Irene Nogué Serra
Obtained qualification: Matrícula de Honor
Date of reading: 28/01/2016
- 18** **Project title:** Efecto del laboreo y la dosis de fertilización nitrogenada sobre la agregación del suelo, la protección del carbono orgánico y la interacción con el desarrollo radicular del cultivo en condiciones de secano semiárido.
Type of project: End of course project
Entity: Universitat de Lleida **Type of entity:** University
Student: Salvat Taberna, Àngel
Date of reading: 2012
- 19** **Project title:** Influencia del laboreo y la aplicación de fertilizante nitrogenado en cobertera sobre la dinámica de crecimiento y rendimiento de cereal de invierno y leguminosa en ambientes áridos y semiáridos del valle del Ebro.
Type of project: End of course project
Entity: Universitat de Lleida **Type of entity:** University
City of entity: Lleida, Catalonia, Spain
Student: Almenara Solsona, Eduard
Date of reading: 2012



- 20** **Project title:** Influencia del laboreo y la aplicación de fertilizante N en la dinámica de crecimiento del cultivo de cereal de invierno en condiciones semiáridas de secano
Type of project: Trabajo Práctico Tutorado
Entity: Universitat de Lleida
City of entity: Lleida, Catalonia, Spain
Student: Lanao Sisó, Francisco Javier
Date of reading: 2012
- 21** **Project title:** Optimización de la fertilización nitrogenada y el manejo del suelo para la reducción de emisiones de gases de efecto invernadero en agrosistemas de regadío en zona Mediterránea. Defensa esperada: Abril 2019
Type of project: Doctoral thesis
Entity: Universitat de Lleida **Type of entity:** University
Student: Evangelina Pareja Sánchez

Student tutorials

- 1** **Name of the programme:** Beca colaboración Ariadna Marquilles
Entity: Universitat de Lleida **Type of entity:** University
Frequency of the activity: 1
Number of tutored students: 1
- 2** **Name of the programme:** DAAD-RISE (German Academic Exchange Service-Research Internships in Science and Engineering)
Entity: Estación Experimental Aula Dei (CSIC) **Type of entity:** State agency
City of entity: Zaragoza, Aragon, Spain
Frequency of the activity: 1
Number of tutored students: 1

Other activities/achievements not included above

- 1** **Description of the activity:** Miembro de la comisión docente del Departamento de Producción Vegetal y Ciencia Forestal de la Universidad de Lleida.
Organising entity: Universitat de Lleida **Type of entity:** University
End date: 10/2013
- 2** **Description of the activity:** Miembro de la Junta de Escuela
Organising entity: Escuela Técnica de Ingeniería Agraria (ETSEA-UdL) **Type of entity:** University Centres and Structures and Associated Bodies



Scientific and technological experience

Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

- 1** **Name of the project:** Ayudas adicionales para proyectos de los contratos Ramón y Cajal
Geographical area: National
Entity where project took place: Universitat de Lleida **Type of entity:** University
City of entity: Lleida, Catalonia, Spain
N° of researchers: 1
Funding entity or bodies: Ministerio de Economía y Competitividad
Type of participation: Principal investigator
Start-End date: 15/04/2020 - 31/03/2025 **Duration:** 5 years
Total amount: 40.000 €
- 2** **Name of the project:** Boost ecosystem services through high Biodiversity-based Mediterranean Farming sYstems. Biodiversify
Type of project: Research and development, including transfer **Geographical area:** European Union
Degree of contribution: Researcher
Entity where project took place: Universitat de Lleida **Type of entity:** University
City of entity: Lleida, Catalonia, Spain
Name principal investigator (PI, Co-PI....): Jorge Lampurlanés Castel
N° of researchers: 2
Funding entity or bodies: MCIUN - Ministerio de Ciencia, Innovación y Universidades **Type of entity:** State agency
Type of participation: Team member
Name of the programme: Acciones de Programación Conjunta Internacional
Code according to the funding entity: PCI2020-112297
Start-End date: 01/10/2020 - 30/09/2023 **Duration:** 3 years
Total amount: 1.274.058 € **Sub-project amount:** 95.000 €
- 3** **Name of the project:** Effect of commercial chicken manure and mycorrhizae inoculant on the establishment, growth and partial development of Rooibos plants (*Aspalathus linearis*) – An outdoor pot trial.
Type of project: Research and development, including transfer **Geographical area:** Non EU International
Degree of contribution: Researcher
Entity where project took place: Stellenbosch University **Type of entity:** University
City of entity: Stellenbosch, South African Republic
Name principal investigator (PI, Co-PI....): Anélia Marais



Nº of researchers: 7

Funding entity or bodies:

Western Cape Government – Agriculture.

Type of entity: Gobierno regional

Type of participation: Team member

Start-End date: 30/11/2020 - 31/03/2023

Duration: 2 years - 4 months

4 Name of the project: LegSapiens. Generando Oportunidades: sistemas de cultivo innovadores basados en las leguminosas grano.

Type of project: Research and development, including transfer

Geographical area: Regional

Degree of contribution: Scientific coordinator

Entity where project took place: Universitat de Lleida

Type of entity: University

City of entity: Lleida, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Daniel Plaza Bonilla

Nº of researchers: 4

Funding entity or bodies:

MINISTERIO DE AGRICULTURA, PESCA Y ALIMENTACION

FEADER

Type of entity: UE

Type of participation: Principal investigator

Name of the programme: Programa nacional de desarrollo rural 2014-2020

Start-End date: 15/03/2021 - 15/03/2023

Total amount: 103.812 €

5 Name of the project: Organic intercropping: a resilient strategy for future climate? ASSOCIECO.

Type of project: Research and development, including transfer

Geographical area: Regional

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: Universitat de Lleida

Type of entity: University

City of entity: Lleida, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Daniel Plaza Bonilla

Nº of researchers: 3

Funding entity or bodies:

DARPA - Departament d'Agricultura, Ramaderia, Pesca i Alimentació de la Generalitat de Catalunya

Type of entity: Generalitat de Catalunya

City funding entity: Barcelona, Catalonia, Spain

Type of participation: Principal investigator

Name of the programme: Investigación Aplicada en Materia de Producción Agroalimentaria Ecológica

Code according to the funding entity: ARP147/21/000007

Start-End date: 01/02/2021 - 31/10/2022

Total amount: 16.950 €

6 Name of the project: Incrementando la productividad y sostenibilidad de la producción Europea de proteína vegetal cerrando la brecha de rendimiento de las leguminosas grano

Type of project: Research and development, including transfer

Geographical area: European Union

Degree of contribution: Researcher

Entity where project took place: Universitat de Lleida

Type of entity: University



City of entity: Lleida, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Daniel Plaza Bonilla

N° of researchers: 5

Funding entity or bodies:

MCIUN - Ministerio de Ciencia, Innovación y Universidades

Type of entity: State agency

Type of participation: Principal investigator

Name of the programme: Acciones de Programación Conjunta Internacional

Code according to the funding entity: PCI2019-103597.

Start-End date: 01/04/2019 - 31/03/2022

Duration: 3 years

Total amount: 2.000.000 €

Sub-project amount: 148.000 €

7 Name of the project: Diversificación de cultivos para la sostenibilidad de los agrosistemas mediterráneos (DISOSMED)

Type of project: Research and development, including transfer

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Universitat de Lleida

Type of entity: University

City of entity: Lleida, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Carlos Cantero Martínez; Jorge Lampurlanés Castel

N° of researchers: 12

Funding entity or bodies:

MINECO

Type of participation: Team member

Name of the programme: I+D+i (Retos)

Code according to the funding entity: AGL2017-84529-C3-3-R

Start-End date: 01/01/2018 - 31/12/2021

Duration: 4 years

Participating entity/entities: Centro de Investigación y Tecnología Agroalimentaria de Aragón; Estación Experimental de Aula Dei; Universitat de Lleida

Total amount: 483.516 €

Sub-project amount: 200.376 €

8 Name of the project: Organic soybean production in Catalonia is feasible: technological innovations to attain it. PROSOY.

Type of project: Research and development, including transfer

Geographical area: Regional

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: Universitat de Lleida

Type of entity: University

City of entity: Lleida, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Daniel Plaza Bonilla

N° of researchers: 4

Funding entity or bodies:

DARPA - Departament d'Agricultura, Ramaderia, Pesca i Alimentació de la Generalitat de Catalunya

Type of entity: Generalitat de Catalunya

City funding entity: Barcelona, Catalonia, Spain

Type of participation: Principal investigator

Name of the programme: Investigación Aplicada en Materia de Producción Agroalimentaria Ecológica

Code according to the funding entity: ARP087/20/000001

Start-End date: 10/07/2020 - 01/11/2021



Total amount: 17.820 €

- 9** **Name of the project:** Tecnologías innovadoras para diagnóstico, prevención y eliminación de contaminantes emergentes (antibióticos) de las aguas del territorio POCTEFA
Type of project: Research and development, including transfer **Geographical area:** European Union
Degree of contribution: Researcher
Entity where project took place: Universitat de Lleida **Type of entity:** University
City of entity: Lleida, Catalonia, Spain
Name principal investigator (PI, Co-PI....): Carlos Rey Castro
Nº of researchers: 10
Funding entity or bodies: European Union
Type of participation: Team member
Name of the programme: Programa INTERREG V-A España-Francia-Andorra
Code according to the funding entity: EFA183/16
Start-End date: 01/01/2018 - 31/12/2020 **Duration:** 3 years
Sub-project amount: 162.233,5 €
- 10** **Name of the project:** Ayudas adicionales para proyectos de los contratos Juan de la Cierva-Incorporación (BJC2016I)
Geographical area: National
Entity where project took place: Universitat de Lleida **Type of entity:** University
City of entity: Lleida, Catalonia, Spain
Nº of researchers: 1
Funding entity or bodies: Ministerio de Economía y Competitividad
Type of participation: Principal investigator
Start-End date: 15/04/2018 - 14/04/2020 **Duration:** 2 years
Sub-project amount: 6.000 €
- 11** **Name of the project:** Landscape-scale biodiversity and the balancing of provisioning, regulating and supporting ecosystem services (BASIL)
Geographical area: European Union
Degree of contribution: Researcher
Entity where project took place: Estación Experimental de Aula Dei **Type of entity:** State agency
City of entity: Zaragoza, Aragon, Spain
Name principal investigator (PI, Co-PI....): Joshi J; Álvaro-Fuentes J
Funding entity or bodies: FACCE-JPI Joint call (EU)
Name of the programme: FACCE-JPI Joint call (Promoting synergies and reducing trade-offs between food supply, biodiversity and ecosystems services)
Code according to the funding entity: BiodivERsA-FACCE2014-16
Start-End date: 15/04/2016 - 31/12/2017
Participating entity/entities: Estación Experimental de Aula Dei; Freie Universität Berlin; Georg-August-University Goettingen; INRA-Clermont Ferrand; Universitat de Lleida; University of Potsdam; ZALF
Sub-project amount: 71.959 €



- 12** **Name of the project:** Prácticas agrícolas sostenibles para la reducción de emisiones de gases de efecto invernadero en zonas mediterráneas
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Entity where project took place: Estación Experimental de Aula Dei
City of entity: Zaragoza, Aragon, Spain
Name principal investigator (PI, Co-PI....): Carlos Cantero Martinez; Jorge Lampurlanés Castel
Nº of researchers: 16
Funding entity or bodies: MINECO
Name of the programme: I+D+i (retos)
Code according to the funding entity: AGL2013-49062-C4-4-R
Start-End date: 15/04/2016 - 31/12/2017
Participating entity/entities: Centro de Investigación y Tecnología Agroalimentaria de Aragón; Estación Experimental de Aula Dei; Instituto de Agricultura Sostenible ; Universitat de Lleida
Total amount: 420.000 € **Sub-project amount:** 110.000 €
- 13** **Name of the project:** LEGITIMES: Legume Insertion in Territories to Induce Main Ecosystem Services
Geographical area: European Union
Degree of contribution: Researcher
Entity where project took place: Institut National de la Recherche Agronomique (INRA)
City of entity: Toulouse, Midi-Pyrénées, France
Name principal investigator (PI, Co-PI....): Jeauffroy MH
Funding entity or bodies: French National Research Agency
City funding entity: France
Type of entity: State agency
Name of the programme: Viabilité et Adaptation des Ecosystèmes Productifs, Territoires et Ressources face aux Changements Globaux (AGROBIOSPHERE) 2013
Code according to the funding entity: ANR-13-AGRO-0004
Start-End date: 01/01/2014 - 31/12/2017
Participating entity/entities: Dijon Cereales; INRA UMR AGIR; INRA-AgroParisTech; INRA-Dijon; INRA-Nancy; ISARA-Lyon; Qualisol; UNIP; UR-Leva; Valorex
Total amount: 829.810 €
- 14** **Name of the project:** Leg-N-Ges: Legume interstion in field crops rotations to reduce greenhouse gases emissions and N fertilization dependence (in French)
Geographical area: European Union
Degree of contribution: Researcher
Entity where project took place: Institut National de la Recherche Agronomique (INRA)
City of entity: Toulouse, Midi-Pyrénées, France
Name principal investigator (PI, Co-PI....): Cohan JP
Funding entity or bodies: Compte d'affectation spéciale « développement agricole et rural » (CASDAR). French Ministry of Agriculture
City funding entity: France
Code according to the funding entity: AAP RFI 2012 n° 1218



Start-End date: 01/01/2014 - 31/12/2017

Participating entity/entities: ARVALIS; CETIOM; INRA Agro-Impact; INRA AgroParisTech; INRA UMR AGIR; ITAB; ITB; UMR EGC; UNIP

Total amount: 567.320 €

15 Name of the project: COMET-Global: Whole-farm GHG estimation and environmental diagnostics platform

Geographical area: International

Entity where project took place: Universitat de Lleida (UdL) **Type of entity:** Public Research Body

City of entity: Lleida, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Keith H. Paustian

N° of researchers: 10

Funding entity or bodies:

FACCE-JPI (Multi-Partner Call on Agricultural Greenhouse Gas Research)

Code according to the funding entity: ---

Start-End date: 01/01/2014 - 31/12/2016

Total amount: 535.726 €

16 Name of the project: Optimización del manejo del suelo y la fertilización como medidas de mitigación de los efectos del cambio climático

Geographical area: Regional

Entity where project took place: Universitat de Lleida (UdL) **Type of entity:** Public Research Body

City of entity: Lleida, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Carlos Cantero Martínez

N° of researchers: 6

Funding entity or bodies:

Departament d'Agricultura, Ramaderia, Pesca, Alimentació i Medi Natural, Generalitat de Catalunya

Code according to the funding entity: 2012 AGECE00012

Start-End date: 01/01/2013 - 31/12/2013

Total amount: 14.923 €

17 Name of the project: Agricultura de conservación en agrosistemas mediterráneos: Actividad biológica y almacenamiento de C y N

Entity where project took place: Universitat de Lleida (UdL) **Type of entity:** Public Research Body

City of entity: Lleida, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Carlos Cantero Martínez

Funding entity or bodies:

Comisión Interministerial de Ciencia y Tecnología **Type of entity:** .

City funding entity: Madrid, Community of Madrid, Spain

Code according to the funding entity: AGL2010-22050-C03-01

Start-End date: 01/01/2011 - 31/12/2013

Total amount: 108.900 €

18 Name of the project: STEPPE-AHEAD: Steppe-land birds, agriculture practices and economic viability: towards the conservation of threatened species in humanised landscapes

Entity where project took place: Universitat de Lleida (UdL) **Type of entity:** Public Research Body

City of entity: Lleida, Catalonia, Spain



Name principal investigator (PI, Co-PI....): Lluís Brotons

Funding entity or bodies:

Fundación General CSIC

Type of entity: Public Research Body

Code according to the funding entity: ---

Start-End date: 01/01/2010 - 30/09/2013

Total amount: 48.332 €

19 Name of the project: Emisiones de gases de efecto invernadero en el secano aragonés: impacto del manejo agrícola y de los cambios de uso del suelo

Geographical area: National

Entity where project took place: Universitat de Lleida (UdL)

Type of entity: Public Research Body

City of entity: Lleida, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Jorge Alvaro Fuentes

Nº of researchers: 7

Funding entity or bodies:

Fundació Caixa de Pensions 'La Caixa'

Code according to the funding entity: GA-LC-050/2011

Start-End date: 01/05/2011 - 30/04/2013

Total amount: 28.000 €

R&D non-competitive contracts, agreements or projects with public or private entities

1 Name of the project: Evaluar el impacto de la aplicación de los productos (i) RISE-P y (ii) semilla de trigo inoculada con CQM2020 con y sin aplicación foliar.

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Daniel Plaza Bonilla

Nº of researchers: 2

Funding entity or bodies:

Comercial Química Massó S.A.

Type of entity: Business

City funding entity: Barcelona, Catalonia, Spain

Start date: 04/11/2020

Duration: 1 year

Total amount: 13.500 €

2 Name of the project: Seguimiento y análisis de suelos en el experimento de Lleida del Proyecto Circular Agronomics: muestrear 72 parcelas de un campo establecido por el IRTA.

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Cantero-Martínez, C

Nº of researchers: 3

Participating entity/entities: Universidad de Lleida

Funding entity or bodies:

Institut de Recerca i Tecnologia Agroalimentàries

Type of entity: Innovation and Technology Centres

City funding entity: Sant Carles de la Ràpita, Catalonia, Spain

Start date: 01/09/2019

Duration: 3 years

Total amount: 9.000 €



- 3** **Name of the project:** Mejora de la productividad, calidad y eficiencia en el sistema forrajero de la empresa.
Type of project: Technical viability study
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Cantero-Martínez, C
Nº of researchers: 2
Participating entity/entities: Universidad de Lleida
Funding entity or bodies:
Granja San José S.A. **Type of entity:** Business
City funding entity: Tamarite de Litera, Aragon, Spain
Start date: 01/04/2019 **Duration:** 3 years - 8 months
Total amount: 36.800 €
- 4** **Name of the project:** Control y valoración del cultivo de maíz para un estudio de respuesta del rendimiento a la aplicación de fertilizante bio-estimulante Hemostar durante la campaña 2018.
Type of project: Technical viability study
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Cantero-Martínez, C
Nº of researchers: 2
Participating entity/entities: Universidad de Lleida
Funding entity or bodies:
Hemomin Agrosolutions, SL **Type of entity:** Business
City funding entity: Zaragoza, Aragon, Spain
Start date: 01/05/2018 **Duration:** 8 months
Total amount: 1.500 €
- 5** **Name of the project:** Estudio científico-técnico para la mejora de la productividad y la eficiencia en el sistema forrajero
Type of project: Technical viability study
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Cantero-Martínez, C
Nº of researchers: 2
Participating entity/entities: Universidad de Lleida
Funding entity or bodies:
Granja San José S.A. **Type of entity:** Business
City funding entity: Tamarite de Litera, Aragon, Spain
Start date: 01/03/2018 **Duration:** 10 months
Total amount: 9.200 €
- 6** **Name of the project:** Estudio de seguimiento de 3 ensayos agronómicos sobre el manejo del maíz forrajero.
Type of project: Technical viability study
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Cantero-Martínez, C
Nº of researchers: 2
Participating entity/entities: Universidad de Lleida
Funding entity or bodies:
Pioneer Hi-Bred Spain SL **Type of entity:** Business
City funding entity: La Rinconada, Andalusia, Spain
Start date: 01/03/2018 **Duration:** 10 months



Total amount: 4.500 €

7 Name of the project: Providing support in relation to the implementation of the EU Soil Thematic Strategy (ENV.D.1/SER/2016/0041)

Entity where project took place: Estación Experimental de Aula Dei

Degree of contribution: Researcher

Entity where project took place: Estación Experimental de Aula Dei

Type of entity: State agency

City of entity: Zaragoza, Aragon, Spain

Name principal investigator (PI, Co-PI...): Maring L; Siebielec G; López-Francos A

Participating entity/entities: Deltares (lead partner) (The Netherlands); Estación Experimental de Aula Dei; Helmholtz Centre for Environmental Research (UFZ) (Germany); Institute of Soil Science and Plant Cultivation (IUNG, Poland); Instituto Agronómico Mediterráneo de Zaragoza

Funding entity or bodies:

Comisión Europea, Directorate-General for the Environment

Name of the programme: Calls for Tenders 2016

Code according to the funding entity: ENV.D.1/SER/2016/0041

Start date: 01/01/2017

Duration: 3 years

Total amount: 340.960 €

Sub-project amount: 17.000 €

Scientific and technological activities

Scientific production

H index: 17

Date of application: 26/01/2021

Fuente de Índice H: WOS

Publications, scientific and technical documents

1 Liu, C; Plaza-Bonilla, D; Coulter, JA; Kutcher, HR; Beckie, HJ; Wang, L; Floc'h, J-B; Hamel, C; Siddique, KHM; Li, L; Gan, Y. Diversifying crop rotation enhances agroecosystem services and resilience. *Advances in Agronomy*. 173, 2022.

Type of production: Scientific paper

Format: Journal

Position of signature: 2

Total no. authors: 11

Corresponding author: No

Impact source: ISI

Category: Science Edition - AGRONOMY

Impact index in year of publication: 6.919

Journal in the top 25%: Yes

Position of publication: 1

No. of journals in the cat.: 91

2 Kherif, O; Seghouani, M.; Justes, E.; Plaza-Bonilla, D; Bouhenache, A.; Zemmouri, B; Dokukin, P; Latati, M. The first calibration and evaluation of the STICS soil-crop model on chickpea-based intercropping system under Mediterranean conditions. *European Journal of Agronomy*. 133, pp. 126449. 2022.

DOI: <https://doi.org/10.1016/j.eja.2021.126449>

Type of production: Scientific paper

Format: Journal

Position of signature: 4

Total no. authors: 8

Corresponding author: No

Impact source: ISI

Category: Science Edition - AGRONOMY



Impact index in year of publication: 5.18
Position of publication: 8

Journal in the top 25%: Yes
No. of journals in the cat.: 91

- 3** Plaza-Bonilla, D; Mary, B; Valé, M; Justes, E. The sensitivity of C and N mineralization to soil water potential varies with soil characteristics: experimental evidences to fine-tune models. *Geoderma*. 409, pp. 115644. 2022.

DOI: <https://doi.org/10.1016/j.geoderma.2021.115644>

Type of production: Scientific paper

Format: Journal

Position of signature: 1

Total no. authors: 4

Corresponding author: Yes

Impact source: ISI

Category: Science Edition - SOIL SCIENCE

Impact index in year of publication: 6.114

Journal in the top 25%: Yes

Position of publication: 3

No. of journals in the cat.: 37

- 4** Plaza-Bonilla, D; Lampurlanés, J; Fernández, F; Cantero-Martínez, C. Nitrogen fertilization strategies for improved Mediterranean rainfed wheat and barley performance and water and nitrogen use efficiency. *European Journal of Agronomy*. 124, pp. 126238. 30/01/2021.

DOI: [10.1016/j.eja.2021.126238](https://doi.org/10.1016/j.eja.2021.126238)

Type of production: Scientific paper

Format: Journal

Position of signature: 1

Total no. authors: 4

Corresponding author: Yes

Impact source: ISI

Category: Science Edition - AGRONOMY

Impact index in year of publication: 3.726

Journal in the top 25%: Yes

Position of publication: 12

No. of journals in the cat.: 91

- 5** Pareja-Sánchez, E; Cantero-Martínez, C; Álvaro-Fuentes, J; Plaza-Bonilla, D. Soil organic carbon sequestration when converting a rainfed Mediterranean barley-based cropping system to irrigated corn under different tillage systems and N fertilizer rates. *Soil Science Society of America Journal*. 84, pp. 1219 - 1232. 01/06/2020.

DOI: [10.1002/saj2.20116](https://doi.org/10.1002/saj2.20116).

Type of production: Scientific paper

Format: Journal

Position of signature: 4

Total no. authors: 4

Corresponding author: No

Impact source: ISI

Category: Science Edition - SOIL SCIENCE

Impact index in year of publication: 2.311

Journal in the top 25%: No

Position of publication: 17

No. of journals in the cat.: 38

- 6** Franco-Luesma, S; Cavero, J; Plaza-Bonilla, D; Cantero-Martínez, C; Arrúe, JL; Álvaro-Fuentes, J. Tillage and irrigation system effects on soil carbon dioxide (CO₂) and methane (CH₄) emissions in a maize monoculture under Mediterranean conditions. *Soil and Tillage Research*. 22/10/2019.

DOI: [10.1016/j.still.2019.104488](https://doi.org/10.1016/j.still.2019.104488)

Type of production: Scientific paper

Format: Journal

Position of signature: 3

Total no. authors: 6

Corresponding author: No

Impact source: ISI

Category: Science Edition - SOIL SCIENCE

Impact index in year of publication: 4.601

Journal in the top 25%: Yes

Position of publication: 4

No. of journals in the cat.: 38

- 7** Pareja-Sánchez, E; Cantero-Martínez, C; Álvaro-Fuentes, J; Plaza-Bonilla, D. Impact of tillage and N fertilization rate on soil N₂O emissions in irrigated maize in a Mediterranean agroecosystem. *Agriculture, Ecosystems and Environment*. 287, 08/09/2019.



DOI: 10.1016/j.agee.2019.106687

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 4.241

Position of publication: 2

Format: Journal

Corresponding author: No

Category: Science Edition - AGRICULTURE, MULTIDISCIPLINARY

Journal in the top 25%: Yes

No. of journals in the cat.: 58

- 8** Franco-Luesma, S; Cavero, J; Plaza-Bonilla, D; Cantero-Martínez, C; Tortosa, G; Bedmar, EJ; Álvaro-Fuentes, J. Irrigation system and tillage effects on soil nitrous oxide (N₂O) emissions in a maize (*Zea mays* L.) monoculture under Mediterranean conditions. *Agronomy Journal*. 112 - 1, pp. 56 - 71. 08/08/2019.

DOI: 10.1002/agj2.20057

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 7

Impact source: ISI

Impact index in year of publication: 1.683

Position of publication: 32

Format: Journal

Corresponding author: No

Category: Science Edition - AGRONOMY

Journal in the top 25%: No

No. of journals in the cat.: 91

- 9** Pareja-Sánchez, E; Plaza-Bonilla, D; Álvaro-Fuentes, J; Cantero-Martínez, C. Is it feasible to reduce tillage and N use while improving maize yield in irrigated Mediterranean agroecosystems?. *European Journal of Agronomy*. 109, 05/06/2019.

DOI: 10.1016/j.eja.2019.125919

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 3.726

Position of publication: 12

Format: Journal

Corresponding author: No

Category: Science Edition - AGRONOMY

Journal in the top 25%: Yes

No. of journals in the cat.: 91

- 10** Ramos, MC; Pareja-Sánchez, E; Plaza-Bonilla, D; Cantero-Martínez, C; Lampurlanés-Castel, J. Soil sealing and soil water content under no-tillage and conventional tillage in irrigated corn: effects on grain yield. *Hydrological Processes*. 33, pp. 2095 - 2109. 07/04/2019.

DOI: 10.1002/hyp.13457

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 5

Impact source: ISI

Impact index in year of publication: 3.256

Position of publication: 18

Format: Journal

Corresponding author: No

Category: Science Edition - WATER RESOURCES

Journal in the top 25%: Yes

No. of journals in the cat.: 94

- 11** Pareja-Sánchez, E; Cantero-Martínez, C; Álvaro-Fuentes, J; Plaza-Bonilla, D. Tillage and nitrogen fertilization in irrigated maize: key practices to reduce soil CO₂ and CH₄ emissions. *Soil and Tillage Research*. 191, pp. 29 - 36. 28/03/2019.

DOI: 10.1016/j.still.2019.03.007.

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 4

Format: Journal

Corresponding author: No



Impact source: ISI

Impact index in year of publication: 4.601

Position of publication: 4

Category: Science Edition - SOIL SCIENCE

Journal in the top 25%: Yes

No. of journals in the cat.: 38

- 12** Franco-Luesma, S.; Álvaro-Fuentes, J; Plaza-Bonilla, D; Cantero-Martínez, C; Arrúe, JL; Cavero, J. Influence of irrigation time and frequency on greenhouse gas emissions in a solid-set sprinkler-irrigated maize under Mediterranean conditions. *Agricultural Water Management*. 221, pp. 303 - 311. 26/03/2019.

DOI: 10.1016/j.agwat.2019.03.042.

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 4.021

Position of publication: 9

Format: Journal

Corresponding author: No

Category: Science Edition - AGRONOMY

Journal in the top 25%: Yes

No. of journals in the cat.: 91

- 13** Plaza-Bonilla, D; Nogué-Serra, I; Raffailac, D; Cantero-Martínez, C; Justes, E. Carbon footprint of cropping systems with grain legumes and cover crops: A case-study in SW France. *Agricultural Systems*. 167, pp. 92 - 102. 2018.

DOI: 10.1016/j.agsy.2018.09.004

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 5

Impact source: ISI

Impact index in year of publication: 4.212

Position of publication: 3

Format: Journal

Corresponding author: Yes

Category: Science Edition - AGRICULTURE, MULTIDISCIPLINARY

Journal in the top 25%: Yes

No. of journals in the cat.: 58

- 14** Plaza-Bonilla, D; Álvaro-Fuentes, J; Bareche, J; Pareja-Sánchez, E; Justes, E; Cantero-Martínez, C. No-tillage reduces long-term yield-scaled soil nitrous oxide emissions in rainfed Mediterranean agroecosystems: a field and modelling approach. *Agriculture, Ecosystems and Environment*. 262, pp. 36 - 47. 2018.

DOI: DOI: 10.1016/j.agee.2018.04.007

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 4.241

Position of publication: 2

Format: Journal

Corresponding author: Yes

Category: Science Edition - AGRICULTURE, MULTIDISCIPLINARY

Journal in the top 25%: Yes

No. of journals in the cat.: 57

- 15** Álvaro-Fuentes, J; Plaza-Bonilla, D; Arrúe, JL; Cantero-Martínez, C. Pig slurry incorporation with tillage does not reduce short-term soil CO₂ fluxes. *Soil & Tillage Research*. 179, pp. 82 - 85. 2018.

DOI: 10.1016/j.still.2018.02.002

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 4.675

Position of publication: 3

Format: Journal

Corresponding author: No

Category: Science Edition - SOIL SCIENCE

Journal in the top 25%: Yes

No. of journals in the cat.: 35

- 16** Plaza-Bonilla, D; Álvaro-Fuentes, J; Bareche, J; Masgoret, A; Cantero-Martínez, C. Delayed sowing improved barley yield in a no-till rainfed Mediterranean agroecosystem. *Agronomy Journal*. 109, pp. 1249 - 1260. 2017.
DOI: 10.2134/agronj2016.09.0537
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 5
Impact source: ISI
Impact index in year of publication: 1.897
Position of publication: 22
Format: Journal
Corresponding author: Yes
Category: Science Edition - AGRONOMY
Journal in the top 25%: No
No. of journals in the cat.: 87
- 17** Plaza-Bonilla, D; Cantero-Martínez, C; Bareche, J; Arrúe, JL; Lampurlanés, J; Álvaro-Fuentes, J. Do no-till and pig slurry application improve barley yield and water and nitrogen use efficiencies in rainfed Mediterranean conditions?. *Field Crops Research*. 203, pp. 74 - 85. 2017.
DOI: 10.1016/j.fcr.2016.12.008
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 6
Impact source: ISI
Impact index in year of publication: 3.127
Position of publication: 11
Format: Journal
Corresponding author: Yes
Category: Science Edition - AGRONOMY
Journal in the top 25%: Yes
No. of journals in the cat.: 87
- 18** Plaza-Bonilla, D; Nolot, JM; Raffailac, D; Justes, E. Innovative cropping systems to reduce N inputs and maintain wheat yields by inserting grain legumes and cover crops in southwest France. *European Journal of Agronomy*. 82, pp. 331 - 341. 2017.
DOI: 10.2016/j.eja.2016.05.010.
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 4
Impact source: ISI
Impact index in year of publication: 3.192
Position of publication: 9
Format: Journal
Corresponding author: No
Category: Science Edition - AGRONOMY
Journal in the top 25%: Yes
No. of journals in the cat.: 87
- 19** Pareja-Sánchez, E; Plaza-Bonilla, D; Ramos, MC; Lampurlanés, J; Álvaro-Fuentes, J; Cantero-Martínez, C. Long-term no-till as a means to maintain soil surface structure in an agroecosystem transformed into irrigation. *Soil & Tillage Research*. 174, pp. 221 - 230. 2017.
DOI: 10.1016/j.still.2017.07.012
Type of production: Scientific paper
Position of signature: 2
Total no. authors: 6
Impact source: ISI
Impact index in year of publication: 3.824
Position of publication: 3
Format: Journal
Corresponding author: No
Category: Science Edition - SOIL SCIENCE
Journal in the top 25%: Yes
No. of journals in the cat.: 34
- 20** Plaza-Bonilla, D; Léonard, J; Peyrard, C; Mary, B; Justes, E. Precipitation gradient and crop management affect N₂O emissions: simulation of mitigation strategies in rainfed Mediterranean conditions. *Agriculture, Ecosystems and Environment*. 238, pp. 89 - 103. 2017.
DOI: 10.1016/j.agee.2016.06.003
Type of production: Scientific paper
Position of signature: 1
Format: Journal

**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 3.541**Position of publication:** 1**Corresponding author:** Yes**Category:** Science Edition - AGRICULTURE, MULTIDISCIPLINARY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 56

- 21** Álvaro-Fuentes, J; Arrúe, JL; Bielsa, A; Cantero-Martínez, C; Plaza-Bonilla, D; Paustian, K. Simulating climate change and land use effects on soil nitrous oxide emissions in Mediterranean conditions using the Daycent model. *Agriculture, Ecosystems and Environment*. 238, pp. 78 - 88. 2017.

DOI: 10.1016/j.agee.2016.07.017.**Type of production:** Scientific paper**Position of signature:** 5**Total no. authors:** 6**Impact source:** ISI**Impact index in year of publication:** 3.541**Position of publication:** 1**Format:** Journal**Corresponding author:** No**Category:** Science Edition - AGRICULTURE, MULTIDISCIPLINARY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 56

- 22** Sanz-Cobeña, A; Lassaletta, L; Aguilera, E; del Prado, A; Garnier, J; Billen, G; Iglesias, A; Sánchez, B; Guardia, G; Ábalos, D; Plaza-Bonilla, D; Puigdueta, I; Moral, R; Galán, E; Arriaga, H; Merino, P; Infante-Amate, J; Meijide, A; Pardo, G; Álvaro-Fuentes, J; Gilsanz, C; Báez, D; Doltra, J; González-Ubierna, S; Cayuela, ML; Menéndez, S; Díaz-Pinés, E; Le-Noé, J; Quemada, M; Estellés, F; Calvet, S; van Grinsven, H; Westhoek, H; Sanz, MJ; Sánchez-Jimeno, B; Vallejo, A; Smith, P. Strategies for greenhouse gas emissions mitigation in Mediterranean agriculture: A review. *Agriculture, Ecosystems and Environment*. 238, pp. 5 - 24. 2017.

DOI: 10.1016/j.agee.2016.09.038**Type of production:** Scientific paper**Position of signature:** 11**Total no. authors:** 37**Impact source:** ISI**Impact index in year of publication:** 3.541**Position of publication:** 1**Format:** Journal**Corresponding author:** No**Category:** Science Edition - AGRICULTURE, MULTIDISCIPLINARY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 58

- 23** Cantero-Martínez, C; Plaza-Bonilla, D; Angás, P; Álvaro-Fuentes, J. Best management practices of tillage and nitrogen fertilization in Mediterranean rainfed conditions: combining field and modelling approaches. *European Journal of Agronomy*. 79, pp. 119 - 130. 2016.

DOI: 10.1016/j.eja.2016.06.010.**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 4**Impact source:** ISI**Impact index in year of publication:** 3.757**Position of publication:** 6**Format:** Journal**Corresponding author:** Yes**Category:** Science Edition - AGRONOMY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 83

- 24** Álvaro-Fuentes, J; Arrúe, JL; Isla, R; Plaza-Bonilla, D; Quilez, D; Cantero-Martínez, C. Fertilization scenarios in sprinkler irrigated corn under Mediterranean conditions: effects on greenhouse gas emissions. *Soil Science Society of America Journal*. 80, pp. 662 - 671. 2016.

DOI: 10.2136/sssaj2015.04.0156**Type of production:** Scientific paper**Position of signature:** 5**Format:** Journal



Total no. authors: 6
Impact source: ISI
Impact index in year of publication: 1.844
Position of publication: 18

Corresponding author: No
Category: Science Edition - SOIL SCIENCE
Journal in the top 25%: No
No. of journals in the cat.: 34

- 25** Plaza-Bonilla, D; Nolot, JM; Passot, S; Raffaillac, D; Justes, E. Grain legume-based rotations managed under conventional tillage need cover crops to mitigate soil organic matter losses. *Soil & Tillage Research*. 156, pp. 33 - 43. 2016.

DOI: 10.1016/j.still.2015.09.021

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 5

Impact source: ISI

Impact index in year of publication: 3.401

Position of publication: 6

Format: Journal

Corresponding author: Yes

Category: Science Edition - SOIL SCIENCE

Journal in the top 25%: Yes

No. of journals in the cat.: 34

- 26** Lampurlanés, J; Plaza-Bonilla, D; Álvaro-Fuentes, J; Cantero-Martínez, C. Long-term analysis of soil water conservation and crop yield under different tillage systems in Mediterranean rainfed conditions. *Field Crops Research*. 189, pp. 59 - 67. 2016.

DOI: 10.1016/j.fcr.2016.02.010

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 3.048

Position of publication: 12

Format: Journal

Corresponding author: No

Category: Science Edition - AGRONOMY

Journal in the top 25%: Yes

No. of journals in the cat.: 83

- 27** Plaza-Bonilla D.; Arrúe JL.; Cantero-Martínez C.; Fanlo R; Iglesias A; Álvaro-Fuentes J.. Carbon management in dryland agricultural systems. A review. *Agronomy for Sustainable Development*. 35, pp. 1319 - 1334. 2015.

DOI: 10.1007/s13593-015-0326-x

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 4.141

Position of publication: 4

Format: Journal

Corresponding author: Yes

Category: Science Edition - AGRONOMY

Journal in the top 25%: Yes

No. of journals in the cat.: 83

- 28** Plaza-Bonilla, D.; Nolot, J.M.; Raffaillac D.; Justes, E.. Cover crops mitigate nitrate leaching in cropping systems including grain legumes: field evidence and model simulations. *Agriculture, Ecosystems and Environment*. 212, pp. 1 - 12. 2015.

DOI: 10.1016/j.agee.2015.06.014

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 3.564

Position of publication: 1

Format: Journal

Corresponding author: Yes

Category: Science Edition - AGRICULTURE, MULTIDISCIPLINARY

Journal in the top 25%: Yes

No. of journals in the cat.: 57

- 29** Plaza-Bonilla D.; Álvaro-Fuentes J.; Cantero-Martínez C.. Identifying soil organic carbon fractions sensitive to agricultural management practices. *Soil & Tillage Research*. 139, pp. 19 - 22. 2014.
DOI: DOI 10.1016/j.still.2014.01.006
Type of production: Scientific paper **Format:** Journal
Position of signature: 1
Total no. authors: 3 **Corresponding author:** Yes
Impact source: ISI **Category:** Science Edition - SOIL SCIENCE
Impact index in year of publication: 2.622 **Journal in the top 25%:** No
Position of publication: 9 **No. of journals in the cat.:** 34
- Relevant results:** This paper was in the list of the 25 most downloaded papers of *Soil and Tillage Research* during more than 6 months since its publication
- 30** Plaza-Bonilla D.; Cantero-Martínez C.; Bareche J; Arrúe JL.; Álvaro-Fuentes J.. Soil carbon dioxide and methane fluxes as affected by tillage and N fertilization in dryland conditions. 900540 - *Plant and Soil*. 381, pp. 111 - 130. (Holland): 2014.
DOI: 10.1007/s11104-014-2115-8
Type of production: Scientific paper **Format:** Journal
Position of signature: 1 **Corresponding author:** Yes
Total no. authors: 5 **Category:** Science Edition - SOIL SCIENCE
Impact source: ISI **Journal in the top 25%:** Yes
Impact index in year of publication: 2.952 **No. of journals in the cat.:** 34
Position of publication: 4
Source of citations: WOS
- 31** Plaza-Bonilla D.; Cantero-Martínez C.; Álvaro-Fuentes J.. Soil management effects on soil greenhouse gases production at the macroaggregate scale.900113 - *Soil Biology & Biochemistry*. 68, pp. 471 - 481. (United Kingdom): 2014.
DOI: 10.1016/j.soilbio.2013.10.026
Type of production: Scientific paper **Format:** Journal
Position of signature: 1 **Corresponding author:** Yes
Total no. authors: 3 **Category:** Science Edition - SOIL SCIENCE
Impact source: ISI **Journal in the top 25%:** Yes
Impact index in year of publication: 3.932 **No. of journals in the cat.:** 34
Position of publication: 1
- 32** Álvaro-Fuentes J.; Plaza-Bonilla D.; Arrúe JL.; Lampurlanés J.; Cantero-Martínez C.. Soil organic carbon storage in a no-tillage chronosequence under Mediterranean conditions. *Plant and Soil*. 376 - 1, pp. 31 - 41. (Holland): 2014. ISSN 0032-079X
DOI: 10.1007/s11104-012-1167-x.
Type of production: Scientific paper **Format:** Journal
Position of signature: 2 **Corresponding author:** No
Total no. authors: 5 **Category:** Science Edition - SOIL SCIENCE
Impact source: ISI **Journal in the top 25%:** Yes
Impact index in year of publication: 2.952 **No. of journals in the cat.:** 34
Position of publication: 4
- 33** Plaza-Bonilla, D; Álvaro-Fuentes, J; Arrúe, JL; Cantero-Martínez, C. Tillage and nitrogen fertilization effects on nitrous oxide yield-scaled emissions in a rainfed Mediterranean area. 900038 - *Agriculture, Ecosystems and Environment*. 189, pp. 43 - 52. 2014.



DOI: 10.1016/j.agee.2014.03.023

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 3.402

Position of publication: 1

Corresponding author: Yes

Category: Science Edition - AGRICULTURE, MULTIDISCIPLINARY

Journal in the top 25%: Yes

No. of journals in the cat.: 56

- 34** Plaza-Bonilla D.; Álvaro-Fuentes J.; Hansen N.C.; Lampurlanés J.; Cantero-Martínez C.. Winter cereal root growth and aboveground-belowground biomass ratios as affected by site and tillage system in dryland Mediterranean conditions.900540 - Plant and Soil. 374, pp. 925 - 939. (Holland): 2014. ISSN 0032-079X

DOI: 10.1007/s11104-013-1926-3

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 5

Impact source: ISI

Impact index in year of publication: 2.952

Position of publication: 4

Format: Journal

Corresponding author: Yes

Category: Soil Science

Journal in the top 25%: Yes

No. of journals in the cat.: 34

- 35** Plaza-Bonilla D.; Cantero-Martínez C.; Álvaro-Fuentes J.. Soil aggregate stability as affected by fertilization type under semiarid no-tillage conditions.900116 - Soil Science Society of America Journal. 77, pp. 284 - 292. 2013.

DOI: 10.2136/sssaj2012.0258

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 3

Impact source: ISI

Impact index in year of publication: 2.0

Position of publication: 13

Format: Journal

Corresponding author: Yes

Category: Science Edition - SOIL SCIENCE

Journal in the top 25%: No

No. of journals in the cat.: 34

- 36** Plaza-Bonilla D.; Cantero-Martínez C.; Viñas P.; Álvaro-Fuentes J.. Soil aggregation and organic carbon protection in a no-tillage chronosequence under Mediterranean conditions.900107 - Geoderma. 193-194, pp. 76 - 82. (Holland): 2013. ISSN 0016-7061

DOI: 10.1016/j.geoderma.2012.10.022

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 2.509

Position of publication: 5

Format: Journal

Corresponding author: Yes

Category: Science Edition - SOIL SCIENCE

Journal in the top 25%: Yes

No. of journals in the cat.: 34

- 37** Álvaro-Fuentes J.; Morell F.J.; Plaza-Bonilla D.; Arrúe J.L.; Cantero-Martínez C.. Modelling tillage and nitrogen fertilization effects on soil organic carbon dynamics.900112 - Soil & Tillage Research. 120, pp. 32 - 39. (Holland): 2012.

DOI: 10.1016/j.still.2012.01.009

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 5

Impact source: ISI

Format: Journal

Corresponding author: No

Category: Science Edition - SOIL SCIENCE



Impact index in year of publication: 2.367
Position of publication: 6

Journal in the top 25%: Yes
No. of journals in the cat.: 34

- 38** Morell F.J.; Cantero-Martínez C.; Lampurlanés J.; Plaza-Bonilla D.; Álvaro-Fuentes J.. Soil carbon dioxide flux and organic carbon content: effects of tillage and nitrogen fertilization.900116 - Soil Science Society of America Journal. 75, pp. 1874 - 1884. (United States of America): 2011.

DOI: 10.2136/sssaj2011.0030

Type of production: Scientific paper

Format: Journal

Position of signature: 4

Total no. authors: 5

Impact source: ISI

Category: Science Edition - SOIL SCIENCE

Impact index in year of publication: 1.979

Journal in the top 25%: Yes

Position of publication: 8

No. of journals in the cat.: 33

- 39** Plaza-Bonilla D.; Cantero-Martínez C.; Álvaro-Fuentes J.. Tillage effects on soil aggregation and soil organic carbon distribution under Mediterranean semiarid conditions. 904108 - Soil Use and Management. 26, pp. 465 - 474. 2010.

DOI: 10.1111/j.1475-2743.2010.00298.x

Type of production: Scientific paper

Format: Journal

Position of signature: 1

Total no. authors: 3

Impact source: ISI

Corresponding author: Yes

Impact index in year of publication: 1.510

Category: Science Edition - SOIL SCIENCE

Position of publication: 16

Journal in the top 25%: No

No. of journals in the cat.: 32

- 40** Ortiz, C.; Doltra, J; Plaza-Bonilla, D. El paper de l'agricultura i la ramaderia en les emissions de gasos d'efecte hivernacle.Extensius.cat. 28/04/2021. Available on-line at: <<http://extensius.cat/2019/01/16/optimitzar-leficiencia-productiva-per-la-reduccio-de-gasos-defecte-hivernacle-en-cultius-extensius/>>.

Type of production: Popular science article

Position of signature: 3

Total no. authors: 3

- 41** Simon-Miquel, G.; Baraibar, B.; Plaza-Bonilla D.. Sistemas de cultivo innovadores basados en las leguminosas: iniciativas en la Universidad de Lleida - Agrotecnio-CERCA Center.200257 - Tierras de Castilla y León. 295, pp. 106 - 108. Castile and León(Spain): Gestora de Comunicaciones de Castilla y León, 2021. ISSN 1889-0776

Type of production: Popular science article

Format: Journal

Corresponding author: Yes

- 42** Doltra, J; Plaza-Bonilla, D. Optimizar la eficiencia productiva para la reducción de gases de efecto invernadero en cultivos extensivos. Extensius.cat. 16/01/2019. Available on-line at: <<http://extensius.cat/2019/01/16/optimitzar-leficiencia-productiva-per-la-reduccio-de-gasos-defecte-hivernacle-en-cultius-extensius/>>.

Type of production: Popular science article

Position of signature: 2

Total no. authors: 2

- 43** Plaza-Bonilla, D; Álvaro-Fuentes, J; Bareche, J; Pareja-Sánchez, E; Justes, E; Cantero-Martínez, C. No-tillage systems linked to reduced soil N₂O emissions in Mediterranean agroecosystems. Science for Environment Policy. 519, European Commission DG Environment News Alert Service, 10/01/2019.

Type of production: Popular science article

Format: Journal

Position of signature: 1

**Total no. authors:** 6**Corresponding author:** Yes

- 44** Cantero-Martínez C.; Lampurlanés J.; Álvaro-Fuentes J; Arrúe JL.; Plaza-Bonilla D.. Productividad y eficiencia en secanos Mediterráneos mediante la optimización de la fertilización. *Vida Rural*. 451, pp. 44 - 50. (Spain): EUMEDIA, 2018. ISSN 1133-8938
Type of production: Popular science article **Format:** Journal
- 45** Plaza-Bonilla D.; Cantero-Martínez C.; Arrúe JL.; Bareche J.; Álvaro-Fuentes J. Sistemas de laboreo y estrategias de fertilización. Productividad y eficiencias en el uso del agua y del nitrógeno en un secano Mediterráneo. *200257 - Tierras de Castilla y León*. 254, pp. 37 - 42. Castile and León (Spain): Gestora de Comunicaciones de Castilla y León, 2017. ISSN 1889-0776
Type of production: Popular science article **Format:** Journal
Corresponding author: Yes
- 46** Álvaro-Fuentes J; Plaza-Bonilla D.; Arrúe JL.; Lampurlanés J.; Morell F.; Bareche J.; Bielsa A.; Cantero-Martínez C.. Aspectos agronómicos y ambientales de la siembra directa en los secanos del valle del Ebro: 30 años de experimentación. *200257 - Tierras de Castilla y León*. 231, pp. 52 - 61. (Spain): Gestora de Comunicaciones de Castilla y León, 2015. ISSN 1889-0776
Type of production: Popular science article **Format:** Journal
Corresponding author: No
- 47** Bareche J; Xanxo LI.; Aymerich L.; Plaza-Bonilla D.; Álvaro-Fuentes J.; Cantero-Martínez C.. La implantación de la siembra directa en un sistema forrajero-ganadero pirenaico en l'Alt Urgell (Lleida). *200257 - Tierras de Castilla y León*. 231, pp. 70 - 76. (Spain): Gestora de Comunicaciones de Castilla y León, 2015. ISSN 1889-0776
Type of production: Popular science article **Format:** Journal
Corresponding author: No
- 48** Ovejero J.; Lampurlanés J.; Álvaro-Fuentes J.; Plaza-Bonilla D.; Cantero-Martínez C.. Efecto del laboreo y de la fertilización nitrogenada sobre la volatilización de amoníaco en agroecosistemas mediterráneos de secano. *200257 - Tierras de Castilla y León*. 209, pp. 48 - 52. (Spain): Gestora de Comunicaciones de Castilla y León, 2013. ISSN 1889-0776
Type of production: Popular science article **Format:** Journal
- 49** Álvaro-Fuentes J.; Plaza-Bonilla D.; Arrúe, JL.; Cantero-Martínez C.. Siembra directa y mitigación de gases de efecto invernadero. *200257 - Tierras de Castilla y León*. 207, pp. 64 - 68. (Spain): Gestora de Comunicaciones de Castilla y León, 2013. ISSN 1889-0776
Type of production: Popular science article **Format:** Journal
- 50** Álvaro-Fuentes J.; Cantero-Martínez C.; Plaza-Bonilla D.; Arrúe JL.. Emisiones de gases de efecto invernadero en los suelos agrícolas de Aragón. *201864 - No Laboreo - AGRACON*. 6, pp. 8 - 10. (Spain): 2011.
Type of production: Popular science article **Format:** Journal
- 51** Simon-Miquel, G; Plaza-Bonilla, D. Crop rotations. *Recarbonizing global soils: A technical manual of best management practices, Volume 3. Cropland, Grassland, Integrated systems and farming approaches - Practices overview.3*, Food and Agriculture Organization of the United Nations, 2021. ISBN 978-92-5-134893-2
Type of production: Book chapter **Format:** Book
Corresponding author: No
- 52** Plaza-Bonilla, D; Simon-Miquel, G. Organic mulch. *Recarbonizing global soils: A technical manual of best management practices, Volume 3. Cropland, Grassland, Integrated systems and farming approaches - Practices overview.3*, Food and Agriculture Organization of the United Nations, 2021. ISBN 978-92-5-134893-2
Type of production: Book chapter **Format:** Book
Corresponding author: Yes

- 53** Plaza-Bonilla D; Álvaro-Fuentes J; Lampurlanés J; Arrúe JL; Cantero-Martínez C. No-till systems to reduce nitrous oxide emissions and increasing methane uptake. No-till farming systems for sustainable agriculture: Challenges and Opportunities. pp. 319 - 336. Springer Nature, 2020. ISBN 978-3-030-46408-0
Type of production: Book chapter **Format:** Book
Corresponding author: Yes
- 54** Arrúe JL; Álvaro-Fuentes J; Plaza-Bonilla D; Villegas D; Cantero-Martínez C. Managing Drylands for Sustainable Agriculture. Innovations in sustainable agriculture. pp. 529 - 556. Springer, 2019. ISBN 978-3-030-23168-2
Type of production: Book chapter **Format:** Book
- 55** Álvaro-Fuentes J; Plaza-Bonilla D; Arrúe JL; Bielsa A; Cantero-Martínez C. Soil carbon dynamics under different land uses in dryland Mediterranean conditions. Soil management and climate change. Effects on organic carbon, nitrogen dynamics, and greenhouse gas emissions. pp. 39 - 52. Academic Press, 2018. ISBN 9780128121283
Type of production: Book chapter **Format:** Book
- 56** Arrúe JL; Álvaro-Fuentes J; Cantero-Martínez C; Plaza-Bonilla D. Beneficios agroambientales de la reducción del laboreo en los secanos semiáridos del valle del Ebro. Geoecología, cambio ambiental y paisaje: homenaje al profesor José María García-Ruiz. pp. 373 - 382. Instituto Pirenaico de Ecología (IPE-CSIC) y Universidad de la Rioja, 2014. ISBN 978-84-96487-83-3
Type of production: Book chapter **Format:** Book
- 57** Hagemann et al.. Drivers and transboundary impacts of soil degradation. Providing support in relation to the implementation of the EU Soil Thematic Strategy. Service contract No 07.0201/2016/742739/SER/ENV.D.I. 2019.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
Position of signature: 12
Total no. authors: 12
- 58** Hagemann et al.. Review of economic, social and environmental impacts and implementation barriers for soil protection and sustainable management measures for arable land across the EU. Providing support in relation to the implementation of the EU Soil Thematic Strategy. Service contract No 07.0201/2016/742739/SER/ENV.D.I. 2019.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
Position of signature: 12
Total no. authors: 12
- 59** van der Meulen et al.. Mapping and Assessment of Ecosystems and their Services: Soil ecosystems. Providing support in relation to the implementation of the EU Soil Thematic Strategy. Service contract No 07.0201/2016/742739/SER/ENV.D.I. 19/03/2018. Available on-line at: <http://www.worldsoilday2017.eu/pdfs/Soils4EU_D1.2_ecosystemservices_MAES.pdf>.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
Position of signature: 9
Total no. authors: 50
- 60** Bedoussac, L; Tribouillois, H; Plaza-Bonilla, D; Journet, E-P; Justes, E. Comment gérer l'azote dans des systèmes de culture avec des légumineuses?. Construction et évaluation de scénarios territoriaux d'insertion de légumineuses. pp. 25 - 26. 2018.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
- 61** Bareche-Sahún, J; Plaza-Bonilla, D; Cantero-Martínez, C. Effect of a nitrogen stabilizer (N-Lock TM) on soil greenhouse gas emissions and deep soil nitrate dynamics in a corn crop with a pre-sowing pig slurry fertilization. Servicio: "Análisis y cuantificación de emisiones de gases de efecto invernadero y control de suelo de nitrógeno



mineral para campo experimental de ensayo de fertilizantes inhibidores de la nitrificación". Universidad de Lleida. Referencia del encargo de servicio: S16017.Lleida, Catalonia(Spain): 29/11/2016.

Type of production: Scientific-technical report

Format: Scientific and technical document or report

- 62** Bedoussac L.; Tribouillois H.; Plaza-Bonilla D.; Journet E-P.; Justes E.. Designing and evaluating arable cropping systems with cash and cover crop legumes in sole crop and intercrop to improve nitrogen use efficiency. Agricultural Research & Technology Open Access Journal. 12 - 2, pp. 555842. (United States of America): 15/11/2017. ISSN 2471-6774
DOI: 10.19080/ARTOAJ.2017.12.555842
Type of production: Non-JCR indexed journal **Format:** Journal
Corresponding author: No

Works submitted to national or international conferences

- 1** **Title of the work:** Soil Gas Diffusivity, Air-filled Porosity And Pore Continuity: Effects Of Tillage And Crop Sequence.
Name of the conference: 2021 ASA, CSSA, SSSA International Annual Meeting,
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Salt Lake City, United States of America
Date of event: 07/11/2021
End date: 10/11/2021
Organising entity: ASA, CSSA, SSSA
 Talukder, R; Plaza-Bonilla, D; Cantrero-Martínez, C; Wendroth, O; Lampurlanés, J; et al.
- 2** **Title of the work:** Does glocalism work? Identifying spatial (mis-)matches between the local demand for and local production of legumes in Europe.
Name of the conference: Landscape 2021
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Berlin, Germany
Date of event: 20/09/2021
End date: 22/09/2021
Organising entity: ZALF
 Komossa, F.; et al.
- 3** **Title of the work:** The role of farmers' knowledge in closing the yield gaps for legumes: results of a large scale EU survey on faba and soya beans.
Name of the conference: Landscape 2021
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Berlin, Germany
Date of event: 20/09/2021
End date: 22/09/2021
Organising entity: ZALF
 Mouratiadou, I; et al.



- 4** **Title of the work:** Diversification of Mediterranean winter cropping systems through intercropping with grain legumes under conservation agriculture
Name of the conference: Landscape 2021
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Berlin, Germany
Date of event: 20/09/2021
End date: 22/09/2021
Organising entity: ZALF
Blanc, L; Lampurlanés, J; Simon-Miquel, G; Cano, O; Plaza-Bonilla, D.
- 5** **Title of the work:** The potential of soybean to diversify highly productive irrigated Mediterranean cropping systems.
Name of the conference: Landscape 2021
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Berlin, Germany
Date of event: 20/09/2021
End date: 22/09/2021
Organising entity: ZALF
Simon-Miquel, G; Reckling, M; Lampurlanés, J; Marquilles, A; Plaza-Bonilla, D.
- 6** **Title of the work:** Faba bean introduction to diversify long-term no-tillage rainfed cropping systems in NE Spain
Name of the conference: 2nd Workshop of Conservation Soil Tillage Working Group (ISTRO)
Type of event: Workshop **Geographical area:** European Union
Type of participation: Participatory - others
Corresponding author: No
City of event: Osijek, Croatia
Date of event: 07/09/2021
End date: 08/09/2021
Organising entity: Conservation Soil Tillage Working Group (ISTRO)
Simon-Miquel, G; Ribera, C.; Plaza-Bonilla, D.
- 7** **Title of the work:** Soil characteristics drive the sensitivity of C and N mineralization to soil water potential.
Name of the conference: EUROSIL 2021
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Geneva, Switzerland
Date of event: 23/08/2021
End date: 27/08/2021
Plaza-Bonilla, D.; Mary, B; Valé, M; Justes, E.
- 8** **Title of the work:** Efecto de la introducción de leguminosas en sistemas de doble cosecha de maíz sobre las emisiones de gases de efecto invernadero.
Name of the conference: VIII Remedía Workshop
Type of event: Workshop **Geographical area:** European Union
Type of participation: Participatory - others



Corresponding author: No
City of event: Elche, Spain
Date of event: 22/09/2020
End date: 23/09/2020
Organising entity: Red Remedia
Fernández, J; Plaza-Bonilla, D.; Lampurlanés, J.; Cantro-Martinez, C.

- 9** **Title of the work:** Green planting of soybean as a strategy to avoid tilled winter-bare fallows in irrigated cropping systems.
Name of the conference: 1st Workshop of Conservation Soil Tillage Working Group (ISTRO)
Type of event: Workshop **Geographical area:** European Union
Type of participation: Participatory - others
Corresponding author: No
City of event: Osijek, Croatia
Date of event: 08/09/2020
End date: 09/09/2020
Organising entity: Conservation Soil Tillage Working Group (ISTRO)
Simon-Miquel, G; Pujol, R.; Plaza-Bonilla, D.
- 10** **Title of the work:** Effect on maize yield of the introduction of double cropping with legume and the reduction of tillage and N fertilization rate.
Name of the conference: European Society for Agronomy Congress
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Sevilla, Spain
Date of event: 01/09/2020
End date: 04/09/2020
Organising entity: European Society for Agronomy
Fernández, J.; Plaza-Bonilla, D; Lampurlanés, J; Cantero-Martínez, C.
- 11** **Title of the work:** Soybean introduction in Mediterranean cropping systems can reduce their carbon footprint.
Name of the conference: European Society for Agronomy Congress
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Sevilla, Spain
Date of event: 01/09/2020
End date: 04/09/2020
Organising entity: European Society for Agronomy
Simon-Miquel, G; Cantero-Martínez, C; Journet, E-P; Plaza-Bonilla, D.
- 12** **Title of the work:** Differences in soil aggregate stability in soils under conventional tillage and no-tillage under different disaggregation forces.
Name of the conference: 9th European Society for Soil Conservation Congress
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Tirana, Albania
Date of event: 26/09/2019



End date: 28/09/2019

Organising entity: European Society for Soil Conservation

Grandinetti, L; Plaza-Bonilla, D; Lampurlanés, J; Cantero-Martínez, C; Ramos, M.C.

- 13 Title of the work:** Cropping diversification and N fertilization effects on soil greenhouse gas emissions in irrigated Mediterranean conditions.

Name of the conference: European Conference on Crop Diversification.

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Budapest, Hungary

Date of event: 18/09/2019

End date: 21/09/2019

Organising entity: DiverImpacts project

Álvaro-Fuentes, J; Franco-Luesma, S; Luna, E; Lafuente, V; Castañeda, C; Cantero-Martínez, C; Plaza-Bonilla, D; Arrúe, JL.

- 14 Title of the work:** Wheat production in Mediterranean areas: considering crop diversification as new strategy

Name of the conference: 1st International Wheat Congress

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Saskatoon, Canada

Date of event: 21/07/2019

End date: 26/07/2019

Cantero-Martínez, C; Álvaro-Fuentes, J; Lampurlanés, J; Arrúe, JL; Pareja-Sánchez, E; Franco-Luesma, S; Plaza-Bonilla, D.

- 15 Title of the work:** Producción y transporte de gases de efecto invernadero en el perfil del suelo bajo dos sistemas de riego diferenciados, aspersión e inundación

Name of the conference: VII Remedia Workshop.

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

City of event: Lugo, Galicia, Spain

Date of event: 27/03/2019

End date: 28/03/2019

Organising entity: Red Remedia

Franco-Luesma, S; Plaza-Bonilla, D; Arrúe, JL; Cantero-Martínez, C; Álvaro-Fuentes, J.

- 16 Title of the work:** Appropriate tillage practices and N use to improve corn yield in irrigated Mediterranean agroecosystems

Name of the conference: 21st ISTRO International Conference

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - poster

City of event: Paris, France

Date of event: 24/09/2018

End date: 27/09/2018

Organising entity: ISTRO

Pareja-Sánchez E; Plaza-Bonilla, D; Álvaro-Fuentes, J; Cantero-Martínez, C.



- 17** **Title of the work:** Tillage and N fertilization strategies: determining best combination to enhance grain yield and mitigate global warming in Mediterranean agroecosystems.
Name of the conference: 21st ISTRO International Conference
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
City of event: Paris, France
Date of event: 24/09/2018
End date: 27/09/2018
Organising entity: ISTRO
Plaza-Bonilla, D; Álvaro-Fuentes, J; Lampurlanés, J; Arrúe, JL; Pareja-Sánchez E; Franco-Luesma, S; Cantero-Martínez, C.
- 18** **Title of the work:** Tillage and irrigation management: effects on production and soil greenhouse gas emissions under Mediterranean conditions
Name of the conference: 21st ISTRO International Conference
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
City of event: Paris, France
Date of event: 24/09/2018
End date: 27/09/2018
Organising entity: ISTRO
Franco-Luesma, S; Paracuellos, E; Plaza-Bonilla, D; Arrúe, JL; Cantero-Martínez, C; Cavero, J; Álvaro-Fuentes, J.
- 19** **Title of the work:** Towards agroecological cropping systems: the role of diversification in time and space for supporting the crop production
Name of the conference: European Society for Agronomy Congress
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - invited/keynote talk
City of event: Geneva, Switzerland
Date of event: 27/08/2018
End date: 31/08/2018
Organising entity: European Society for Agronomy
Justes, E; Alletto, L; Bedoussac, L; Bonnet, C; Couedel, A; Gavaland, A; Journet, E-P; Plaza-Bonilla, D; Raffaillac, D; Viguier, L.
- 20** **Title of the work:** Effect of N fertilization rate and soil tillage on N₂O emissions from irrigated corn in a Mediterranean agroecosystem.
Name of the conference: 20th Nitrogen Workshop
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - poster
Corresponding author: No
City of event: Rennes, Bretagne, France
Date of event: 25/07/2018
End date: 11/04/2018
Organising entity: Instituto de Recursos Naturales y Agrobiología de Salamanca
Pareja-Sánchez E; Plaza-Bonilla, D; Álvaro-Fuentes, J; Cantero-Martínez, C.
- 21** **Title of the work:** No-tillage reduces yield-scaled nitrous oxide emissions in rainfed Mediterranean conditions: a long-term field and modelling approach.
Name of the conference: 20th Nitrogen Workshop
Type of event: Conference **Geographical area:** European Union

Type of participation: 'Participatory - poster

Corresponding author: Yes

City of event: Rennes, Bretagne, France

Date of event: 25/07/2018

End date: 11/04/2018

Organising entity: Instituto de Recursos Naturales y Agrobiología de Salamanca

Plaza-Bonilla, D; Álvaro-Fuentes, J; Bareche, J; Pareja-Sánchez E; Justes, E; Cantero-Martinez, C.

- 22 Title of the work:** Descomposición del rastrojo de maíz y mineralización del C y N orgánicos del suelo: efectos del manejo de suelo y la dosis de fertilizante nitrogenado

Name of the conference: VI Remedia Workshop

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Granada, Spain

Date of event: 10/04/2018

End date: 11/04/2018

Organising entity: Red REMEDIA

Plaza-Bonilla, D; Paracuellos, E; Bareche J; Franco-Luesma, S; Pareja-Sánchez E; Albus, L; Arrúe, JL; Cantero-Martinez, C; Álvaro-Fuentes, J.

- 23 Title of the work:** Efecto de las prácticas de manejo del suelo y la dosis de fertilización N sobre las emisiones de CO₂ y CH₄ en cultivo de maíz

Name of the conference: VI Remedia Workshop

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Granada, Spain

Date of event: 10/04/2018

End date: 11/04/2018

Organising entity: Red REMEDIA

Pareja-Sánchez, E; Plaza-Bonilla, D; Álvaro-Fuentes, J; Cantero-Martínez, C.

- 24 Title of the work:** Emisiones de N₂O en un monocultivo de maíz (*Zea mays* L): efecto del manejo del suelo y sistema de riego

Name of the conference: VI Remedia Workshop

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Granada, Spain

Date of event: 10/04/2018

End date: 11/04/2018

Organising entity: Red REMEDIA

Franco-Luesma, S; Paracuellos, E; Plaza-Bonilla, D; Arrúe, JL; Cantero-Martínez, C; Tortosa, G; Bedmar, EJ; Caverio J; Álvaro-Fuentes, J.

- 25 Title of the work:** Une nouvelle equation simple et robuste pour estimer la minéralisation en azote de la matière organiques des sols français de grandes cultures

Name of the conference: 13èmes Rencontres de la fertilisation raisonnée et de l'analyse

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication



Corresponding author: No
City of event: Nantes, France
Date of event: 08/11/2017
End date: 09/11/2017

Organising entity: GEMAS-COMIFER
Type of entity: Associations and Groups
Justes E; Clivot H; Valé M; Cohan J-P; Champolivier L; Piraux F; Plaza-Bonilla D; Laurent F; Mary B.

26 Title of the work: Soil greenhouse gases emissions in continuous corn as affected by soil tillage and irrigation Systems

Name of the conference: ASA-SSSA-CSSA International Annual Meeting

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Tampa, United States of America

Date of event: 22/10/2017

End date: 25/10/2017

Organising entity: ASA-SSSA-CSSA

Franco-Luesma S; Paracuellos E; Plaza-Bonilla D; Arrúe JL; Cantero-Martínez C; Pareja-Sánchez E; Cavero J; Álvaro-Fuentes J.

27 Title of the work: Soil management practices and N fertilization effects on N₂O emissions in irrigated corn in a Mediterranean agroecosystem

Name of the conference: ASA-SSSA-CSSA International Annual Meeting

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Tampa, United States of America

Date of event: 22/10/2017

End date: 25/10/2017

Organising entity: ASA-SSSA-CSSA

Pareja-Sánchez E; Plaza-Bonilla D; Álvaro-Fuentes J; Cantero-Martínez C.

28 Title of the work: Soil tillage and N fertilization: key practices for the sustainability of Mediterranean agroecosystems

Name of the conference: ASA-SSSA-CSSA International Annual Meeting

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Tampa, United States of America

Date of event: 22/10/2017

End date: 25/10/2017

Organising entity: ASA-SSSA-CSSA

Plaza-Bonilla D; Álvaro-Fuentes J; Lampurlanés J; Arrúe JL; Pareja-Sánchez E; Franco-Luesma S; Cantero-Martínez C.

29 Title of the work: Modelling soil C and N Dynamics in Mediterranean irrigated maize Systems using the Daycent model

Name of the conference: 6th International Symposium on Soil Organic Matter.

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Corresponding author: No



City of event: Harpenden, United Kingdom

Date of event: 03/09/2017

End date: 07/09/2017

Organising entity: Rothamsted Research

Álvaro-Fuentes J; Arrúe JL; Plaza-Bonilla D; Franco-Luesma S; Pareja-Sánchez E; Paracuellos E; Bareche J; Smith P; Cantero-Martínez C.

30 Title of the work: Soil organic carbon affected by crop rotation under no-till rainfed Mediterranean agroecosystems

Name of the conference: 6th International Symposium on Soil Organic Matter.

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Harpenden, United Kingdom

Date of event: 03/09/2017

End date: 07/09/2017

Organising entity: Rothamsted Research

Cantero-Martínez C; Plaza-Bonilla D; Bareche J; Arrúe JL; Álvaro-Fuentes J.

31 Title of the work: Greenhouse gases production in the soil profile of a corn field under flood and sprinkler irrigation

Name of the conference: 1st World Conference on soil and water conservation under global change (CONSOWA)

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Lleida, Catalonia, Spain

Date of event: 12/06/2017

End date: 16/06/2017

Organising entity: Universitat de Lleida

Type of entity: University

Publication in conference proceedings: Yes

With external admission assessment committee:
Yes

Franco-Luesma L; Plaza-Bonilla D; Arrúe JL; Cantero-Martínez C; Álvaro-Fuentes J. En: Extended Abstracts of the 1st World Conference on Soil and Water Conservation under Global Change - CONSOWA. pp. 10 - 13. ISBN 978-84-697-2909-0

32 Title of the work: Efecto de las prácticas de manejo del suelo y la fertilización N sobre las emisiones de N₂O en cultivo de maíz en un agroecosistema Mediterráneo.

Name of the conference: V Remedia Workshop

Type of event: Conference

Type of participation: 'Participatory - poster

City of event: Caldes de Montbui, Catalonia, Spain

Date of event: 29/03/2017

End date: 30/03/2017

Organising entity: INSTITUT DE RECERCA I TECNOLOGIA AGROALIMENTARIES (IRTA)

Pareja-Sánchez E; Plaza-Bonilla D; Álvaro-Fuentes J; Cantero-Martínez C.

33 Title of the work: Efecto del momento y frecuencia del riego por aspersión en la emisión de gases de efecto invernadero del suelo.

Name of the conference: V Remedia Workshop

Type of event: Conference

Type of participation: 'Participatory - poster



City of event: Caldes de Montbui, Catalonia, Spain

Date of event: 29/03/2017

End date: 30/03/2017

Organising entity: INSTITUT DE RECERCA I TECNOLOGIA AGROALIMENTARIES (IRTA)

Paracuellos E; Franco-Luesma S; Álvaro-Fuentes J; Plaza-Bonilla D; Arrúe JL; Cantero-Martínez C; Cavero J.

34 Title of the work: Emisiones de óxido nitroso en secanos mediterráneos: simulando los efectos del manejo del suelo y fertilización nitrogenada con el modelo STICS

Name of the conference: V Remedia Workshop

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Caldes de Montbui, Catalonia, Spain

Date of event: 29/03/2017

End date: 30/03/2017

Organising entity: INSTITUT DE RECERCA I TECNOLOGIA AGROALIMENTARIES (IRTA)

Plaza-Bonilla D; Cantero-Martínez C; Arrúe JL; Justes E; Álvaro-Fuentes J.

35 Title of the work: Huella de carbono de sistemas de cultivo de bajos insumos en el valle del Garona, Francia: rol de las leguminosas grano y cultivos cubierta.

Name of the conference: V Remedia Workshop

Type of event: Conference

Type of participation: Participatory - poster

City of event: Caldes de Montbui, Catalonia, Spain

Date of event: 29/03/2017

End date: 30/03/2017

Organising entity: INSTITUT DE RECERCA I TECNOLOGIA AGROALIMENTARIES (IRTA)

Plaza-Bonilla D; Nogué-Serra I; Cantero-Martínez C; Justes E.

36 Title of the work: Impacto de las técnicas de manejo del suelo y fertilización N en la huella de carbono durante el barbecho del maíz en agrosistemas mediterráneos.

Name of the conference: V Remedia Workshop

Type of event: Conference

Type of participation: Participatory - poster

City of event: Caldes de Montbui, Catalonia, Spain

Date of event: 29/03/2017

End date: 30/03/2017

Organising entity: INSTITUT DE RECERCA I TECNOLOGIA AGROALIMENTARIES (IRTA)

Doménech S; Plaza-Bonilla D; Pareja-Sánchez E; Bareche J; Álvaro-Fuentes J; Cantero-Martínez C.

37 Title of the work: Impacto del uso del suelo en las emisiones de gases de efecto invernadero en sistemas extensivos de pastoreo de secano mediterráneo.

Name of the conference: V Remedia Workshop

Type of event: Conference

Type of participation: Participatory - poster

City of event: Caldes de Montbui, Catalonia, Spain

Date of event: 29/03/2017

End date: 30/03/2017

Organising entity: INSTITUT DE RECERCA I TECNOLOGIA AGROALIMENTARIES (IRTA)

Bareche J; González de Inza A; Fanlo R; Álvaro-Fuentes J; Plaza-Bonilla D; Cantero-Martínez C.



- 38** **Title of the work:** Manejo del suelo y sistema de riego: efecto en las emisiones de gases de efecto invernadero en un monocultivo de maíz (Zea mays L).
Name of the conference: V Remedia Workshop
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Caldes de Montbui, Catalonia, Spain
Date of event: 29/03/2017
End date: 30/03/2017
Organising entity: INSTITUT DE RECERCA I TECNOLOGIA AGROALIMENTARIES (IRTA)
Franco-Luesma S; Paracuellos E; Plaza-Bonilla D; Arrúe JL; Cantero-Martínez C; Álvaro-Fuentes J.
- 39** **Title of the work:** Revisión global de estrategias para la mitigación de gases de efecto invernadero en sistemas agrícolas mediterráneos.
Name of the conference: V Remedia Workshop
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Caldes de Montbui, Catalonia, Spain
Date of event: 29/03/2017
End date: 30/03/2017
Organising entity: INSTITUT DE RECERCA I TECNOLOGIA AGROALIMENTARIES (IRTA)
Sanz-Cobena A; Lassaletta L; Aguilera E; del Prado A; Garnier J; Billen G; Iglesias A; Sánchez B; Guardia G; Ábalos D; Plaza-Bonilla D; Puigdueta-Bartolomé I; Moral R; Galán E; Arriaga H; Merino P; Infante-Amate J; Meijide A; Pardo G; Álvaro-Fuentes J; Gilsanz C; Báez D; Doltra J; González-Ubierna S; Cayuela ML; Menéndez S; Díaz-Pinés E; Le-Noë J; Quemada M; Estellés F; Calvet S; van Grinsven HJM; Westhoek H; Sanz MJ; Gimeno BS; Vallejo A; Smith P.
- 40** **Title of the work:** Predicting climate change impact on crop yields in Mediterranean Spain using the Century model.
Name of the conference: 2nd Agriculture and Climate Change Conference. Climate ready resource use-efficient crops to sustain food and nutritional security.
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Sitges, Catalonia, Spain
Date of event: 26/03/2017
End date: 28/03/2017
Organising entity: Elsevier
Type of entity: Business
Álvaro-Fuentes J; Cantero-Martínez C; Plaza-Bonilla D; Franco-Luesma S; Paracuellos E; Arrúe JL.
- 41** **Title of the work:** Factors limiting SOC sequestration by no-tillage in Mediterranean agroecosystems.
Name of the conference: Global Symposium on Soil Organic Carbon.
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Roma, Italy
Date of event: 21/03/2017
End date: 23/03/2017
Organising entity: FAO
Type of entity: ONU
Álvaro-Fuentes J; Plaza-Bonilla D; Arrúe JL; Cantero-Martínez C.
- 42** **Title of the work:** Synthesis on the effects of grain legume insertion and cereal-grain legume intercrops in low input cropping Systems in Southern France.
Name of the conference: Second International Legume Society Conference



Type of event: Conference

Type of participation: Participatory - invited/keynote talk

Corresponding author: No

City of event: Lisboa, Portugal

Date of event: 11/10/2016

End date: 14/10/2016

Organising entity: Legume Society

Type of entity: Associations and Groups

Justes E; Plaza-Bonilla D; Gavaland A; Léonard J; Mary B; Nolot JM; Perrin P; Peyrard C; Raffaillac D.
"Book of Abstracts".

43 Title of the work: Designing and evaluating low-input arable cropping systems with legumes (cash crop, cover crop, sole crop & intercrop)

Name of the conference: 14th European Society of Agronomy congress

Type of event: Conference

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Edinburgh, United Kingdom

Date of event: 05/09/2016

End date: 09/09/2016

Organising entity: European Society of Agronomy

Type of entity: Associations and Groups

Bedoussac L; Tribouillois H; Plaza-Bonilla D; Journet E-P; Justes E.

44 Title of the work: Designing and evaluating arable cropping systems with cash and cover crop legumes in sole crop and intercrop to improve nitrogen use efficiency

Name of the conference: 19th Nitrogen Workshop

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Skara, Sweden

Date of event: 27/06/2016

End date: 29/06/2016

Organising entity: Swedish University of Agricultural Sciences (SLU)

Type of entity: University

City organizing entity: Sweden

Bedoussac L; Tribouillois H; Plaza-Bonilla D; Journet E-P; Justes E.

45 Title of the work: N₂O emissions of irrigated maize managed under different soil tillage systems and N fertilization rates in a Mediterranean agroecosystem

Name of the conference: 19th Nitrogen Workshop

Type of event: Conference

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Skara, Sweden

Date of event: 27/06/2016

End date: 29/06/2016

Organising entity: Swedish University of Agricultural Sciences (SLU)

Type of entity: University

City organizing entity: Sweden

Pareja-Sánchez E; Plaza-Bonilla D; Álvaro-Fuentes J; Cantero-Martínez C.



- 46** **Title of the work:** No-tillage and medium rates of pig slurry fertilization mitigate yield-scaled N₂O emissions in dryland Mediterranean agroecosystems
Name of the conference: 19th Nitrogen Workshop
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Skara, Sweden
Date of event: 27/06/2016
End date: 29/06/2016
Organising entity: Swedish University of Agricultural Sciences (SLU) **Type of entity:** University
City organizing entity: Sweden
Plaza-Bonilla D; Cantero-Martínez C; Bareche J; Arrúe JL; Álvaro-Fuentes J.
- 47** **Title of the work:** Simulating N₂O emissions using the STICS soil-crop model in low-input cropping systems in SW France
Name of the conference: 19th Nitrogen Workshop
Type of event: Conference
Type of participation: Participatory - poster
Corresponding author: Yes
City of event: Skara, Sweden
Date of event: 27/06/2016
End date: 29/06/2016
Organising entity: Swedish University of Agricultural Sciences (SLU) **Type of entity:** University
City organizing entity: Sweden
Plaza-Bonilla D; Léonard J; Peyrard C; Perrin P; Mary B; Justes E.
- 48** **Title of the work:** Soil nitrous oxide emissions under climate change conditions in Mediterranean dryland conditions
Name of the conference: European Geosciences Union (EGU). General Assembly
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Viena, Austria
Date of event: 17/04/2016
End date: 22/04/2016
Organising entity: European Geosciences Union (EGU)
Álvaro-Fuentes J; Arrúe JL; Plaza-Bonilla D; Cantero-Martínez C.
- 49** **Title of the work:** Climate-cafe: first results of the cropping systems simulations with the model STICS
Name of the conference: International Crop Modelling Symposium
Type of event: Conference
Type of participation: Participatory - poster
Corresponding author: No
City of event: Berlín, Berlin, Germany
Date of event: 15/03/2016
End date: 17/03/2016
Organising entity: MACSUR-AgMIP (hosted in ZALF) **Type of entity:** Associations and Groups
Vermue A; Plaza-Bonilla D; Justes E.

- 50** **Title of the work:** Impact de l'introduction des légumineuses dans les systèmes de culture sur les émissions de N₂O. Premiers résultats marquants du projet CASDAR LEG-N-GES
Name of the conference: Congrès GEMAS-COMIFER
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Lyon, Rhône-Alpes, France
Date of event: 18/11/2015
End date: 19/11/2015
Organising entity: GEMAS-COMIFER **Type of entity:** Associations and Groups
City organizing entity: France
Cohan JP; Cadillon A; Dubois S; Duval R; Flenet F; Justes E; Mary B; Massad RS; Plaza-Bonilla D; Schneider A.
- 51** **Title of the work:** Simulating with the STICS model 3-year rotations in a low-input cropping system in SW France
Name of the conference: 10th STICS Workshop
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Rennes, Bretagne, France
Date of event: 24/03/2015
End date: 26/03/2015
Organising entity: INRA-Agrocampus Ouest **Type of entity:** Public Research Body
Plaza-Bonilla D; Justes E.
- 52** **Title of the work:** Soil organic C and N are maintained when cover crops are used in grain legume rotations: simulation with the STICS model
Name of the conference: 10th STICS Workshop
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Rennes, Bretagne, France
Date of event: 24/03/2015
End date: 26/03/2015
Organising entity: INRA-Agrocampus Ouest **Type of entity:** Public Research Body
Plaza-Bonilla D; Justes E.
- 53** **Title of the work:** Efecto de la rotación de cultivos bajo siembra directa en el mantenimiento del C orgánico del suelo en agroecosistemas de secano mediterráneo
Name of the conference: Remedia: Cuarto workshop sobre mitigación de emisión de gases de efecto invernadero provenientes del sector agroforestal
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Madrid, Community of Madrid, Spain
Date of event: 23/03/2015
End date: 25/03/2015
Organising entity: Universidad Politécnica de Madrid **Type of entity:** University
Bareche J; Nogué I; Studdert G; Plaza-Bonilla D; Álvaro-Fuentes J; Cantero-Martínez C.



- 54** **Title of the work:** Inclusión de cultivos cubierta para paliar la disminución del contenido de carbono y nitrógeno del suelo en rotaciones de leguminosas grano en el suroeste de Francia
Name of the conference: Remedia: Cuarto workshop sobre mitigación de emisión de gases de efecto invernadero provenientes del sector agroforestal
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Madrid, Community of Madrid, Spain
Date of event: 23/03/2015
End date: 25/03/2015
Organising entity: Universidad Politécnica de Madrid
Type of entity: University
Plaza-Bonilla D; Justes E.
- 55** **Title of the work:** Modelización de las emisiones de N₂O y CO₂ del suelo en agroecosistemas de secano
Name of the conference: Remedia: Cuarto workshop sobre mitigación de emisión de gases de efecto invernadero provenientes del sector agroforestal
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Madrid, Community of Madrid, Spain
Date of event: 23/03/2015
End date: 25/03/2015
Organising entity: Universidad Politécnica de Madrid
Type of entity: University
Álvaro-Fuentes J; Cantero-Martínez C; Bielsa A; Plaza-Bonilla D; Arrúe JL.
- 56** **Title of the work:** Modeling GHG emissions, N and C dynamics in Spanish agricultural soils
Name of the conference: 20th World Congress of Soil Science
Type of participation: 'Participatory - poster
City of event: Jeju, Republic of Korea
Date of event: 08/06/2014
End date: 13/06/2014
Organising entity: International Union of Soil Sciences
Type of entity: Associations and Groups
Sanz-Cobena A; Álvaro-Fuentes J; del Prado A; Doltra J; Téllez-Río A; Plaza-Bonilla D; Gallejones P; Pardo G; Ortiz R.
- 57** **Title of the work:** Cálculo de la huella de carbono de la producción de cereal en condiciones de secano
Name of the conference: Tercer workshop sobre mitigación de emisión de gases de efecto invernadero provenientes del sector agroforestal
Type of event: Workshop
Type of participation: 'Participatory - poster
City of event: Valencia, Spain
Date of event: 10/04/2014
End date: 11/04/2014
Organising entity: Red REMEDIA
Type of entity: Associations and Groups
González-de Inza A; Plaza-Bonilla D; Cantero-Martínez C; Arrúe JL; Álvaro-Fuentes J.
- 58** **Title of the work:** Mantenimiento de la siembra directa en agroecosistemas de secano mediterráneo: efectos sobre los flujos de metano y óxido nitroso
Name of the conference: Tercer workshop sobre mitigación de emisión de gases de efecto invernadero provenientes del sector agroforestal
Type of event: Workshop



Type of participation: 'Participatory - poster

City of event: Valencia, Spain

Date of event: 10/04/2014

End date: 11/04/2014

Organising entity: Red REMEDIA

Type of entity: Associations and Groups

Plaza-Bonilla D; Cantero-Martínez C; Arrúe JL; Álvaro-Fuentes J.

- 59** **Title of the work:** REMSAE: Modelling GHG emissions, N and C dynamics in Spanish Agricultural Soils
Name of the conference: Tercer workshop sobre mitigación de emisión de gases de efecto invernadero provenientes del sector agroforestal
Type of event: Workshop
City of event: Valencia, Spain
Date of event: 10/04/2014
End date: 11/04/2014
Organising entity: Red REMEDIA
Type of entity: Associations and Groups
Doltra J; Sanz-Cobena A; Álvaro-Fuentes J; del Prado A; Téllez-Río A; Plaza-Bonilla D; Gallejones P; Pardo G; Ortiz-González R.
- 60** **Title of the work:** Options for soil organic carbon sequestration in Mediterranean agroecosystems
Name of the conference: GreenCarbon Conference
City of event: Brussels, Belgium
Date of event: 01/04/2014
End date: 03/04/2014
Organising entity: European Conservation Agriculture Federation (ECAF)
Cantero-Martínez C; Arrúe JL; Lampurlanés J; Morell-Soler FJ; Plaza-Bonilla D; Álvaro-Fuentes J.
- 61** **Title of the work:** Using DayCent to simulate N₂O emissions under different nitrogen fertilization strategies in dryland conditions
Name of the conference: Experimental databases and model of N₂O emissions by croplands: do we have what is needed to explore mitigation options?
Type of event: Workshop
Type of participation: 'Participatory - poster
City of event: Paris, France
Date of event: 17/03/2014
End date: 19/03/2014
Organising entity: Global Research Alliance on Agricultural Greenhouse Gases
Plaza-Bonilla D.; Cantero-Martínez C.; Paustian K; Easter M; Arrúe JL; Álvaro-Fuentes J.
- 62** **Title of the work:** Soil Greenhouse gas emissions from different land uses in southern European drylands.
Name of the conference: GHG Europe - Open Science Conference: Greenhouse Gas Management in European Land Use Systems.
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Antwerp, Belgium
Date of event: 16/09/2013
End date: 18/09/2013
Organising entity: GHG Europe Project
Álvaro-Fuentes J.; Cantero-Martínez C.; Bielsa A.; Plaza-Bonilla D.; Arrúe JL.

- 63** **Title of the work:** Cámara de flujo variable para la determinación de emisiones de amoníaco del suelo.
Name of the conference: VII Congreso Ibérico de Agroingeniería y Ciencias Hortícolas
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Madrid, Spain
Date of event: 26/08/2013
End date: 29/08/2013
Organising entity: Sociedad Española de Agroingeniería (SEAgIng), Sociedad Española de las Ciencias Hortícolas (SECH)
Type of entity: Associations and Groups
Lampurlanés J.; Ovejero J.; Álvaro-Fuentes J.; Plaza-Bonilla D.; Cantero-Martínez C.
- 64** **Title of the work:** Efecto del laboreo y de la fertilización nitrogenada sobre la volatilización de amoníaco en agroecosistemas mediterráneos de secano.
Name of the conference: VII Congreso Ibérico de Agroingeniería y Ciencias Hortícolas
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Madrid, Spain
Date of event: 26/08/2013
End date: 29/08/2013
Organising entity: Sociedad Española de Agroingeniería (SEAgIng), Sociedad Española de las Ciencias Hortícolas (SECH)
Type of entity: Associations and Groups
Ovejero J.; Lampurlanés J.; Álvaro-Fuentes J.; Plaza-Bonilla D.; Cantero-Martínez C.
- 65** **Title of the work:** Efecto del sistema de laboreo y el tipo de fertilización sobre la volatilización de NH₃ en secanos semiáridos del valle del Ebro
Name of the conference: Segundo Workshop sobre Mitigación de emisiones de gases de efecto invernadero provenientes del sector agroforestal.
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Zaragoza, Spain
Date of event: 11/04/2013
End date: 12/04/2013
Organising entity: Red REMEDIA
Type of entity: Associations and Groups
Ovejero J.; Lampurlanés J.; Cantero-Martínez C.; Plaza-Bonilla D.; Álvaro-Fuentes J.
- 66** **Title of the work:** Emisiones de CO₂ al corto plazo en agroecosistemas de secano: efecto del laboreo y la aplicación de purín porcino.
Name of the conference: Segundo Workshop sobre Mitigación de emisiones de gases de efecto invernadero provenientes del sector agroforestal.
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Zaragoza, Spain
Date of event: 11/04/2013
End date: 12/04/2013
Organising entity: Red REMEDIA
Type of entity: Associations and Groups
Álvaro-Fuentes J.; Bielsa A.; Arrúe, JL.; Plaza-Bonilla D.; Ovejero J.; Cantero-Martínez C.



- 67** **Title of the work:** Emisiones de gases de efecto invernadero en áreas de secano Mediterráneo: efecto del laboreo y de la fertilización nitrogenada.
Name of the conference: Segundo Workshop sobre Mitigación de emisiones de gases de efecto invernadero provenientes del sector agroforestal.
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Zaragoza, Spain
Date of event: 11/04/2013
End date: 12/04/2013
Organising entity: Red REMEDIA
Type of entity: Associations and Groups
Plaza-Bonilla D.; Cantero-Martínez C.; Ovejero J.; Arrúe, JL.; Álvaro-Fuentes J.
- 68** **Title of the work:** Greenhouse gas fluxes from different land-use types in Mediterranean Spain.
Name of the conference: ASA, CSSA, SSSA International Annual Meetings
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Cincinnati, Ohio, USA., United States of America
Date of event: 21/10/2012
End date: 24/10/2012
Organising entity: ASA, CSSA, SSSA
Type of entity: Associations and Groups
Álvaro-Fuentes J.; Cantero-Martínez C.; Plaza-Bonilla D.; Bielsa A.; Arrúe JL.
- 69** **Title of the work:** Soil aggregation and organic carbon protection in a no-tillage chronosequence under dryland Mediterranean conditions.
Name of the conference: ASA, CSSA, SSSA International Annual Meetings.
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Cincinnati, Ohio, USA., United States of America
Date of event: 21/10/2012
End date: 24/10/2012
Organising entity: ASA, CSSA, SSSA
Type of entity: Associations and Groups
Plaza-Bonilla D.; Viñas P.; Cantero-Martínez C.; Álvaro-Fuentes J.
- 70** **Title of the work:** Efecto del sistema de laboreo y la fertilización nitrogenada sobre las emisiones de gases de efecto invernadero en secanos mediterráneos del noreste Español.
Name of the conference: REMEDIA WORKSHOP. Primer workshop sobre mitigación de emisión de gases de efecto invernadero procedentes del sector agroforestal.
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Bilbao, Spain
Date of event: 14/10/2012
End date: 16/10/2012
Organising entity: Red REMEDIA
Plaza-Bonilla D.; Cantero-Martínez C.; Arrúe JL.; Álvaro-Fuentes J.
- 71** **Title of the work:** Adopting alternative agricultural management practices: possibilities for soil organic carbon sequestration in Mediterranean rainfed areas.
Name of the conference: International Soil and Tillage Research Organization Conference.
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Montevideo, Uruguay



Date of event: 24/09/2012

End date: 28/09/2012

Organising entity: International Soil and Tillage Research Organization

Type of entity: Associations and Groups

Cantero-Martínez C.; Plaza-Bonilla D.; Nabau C.; Tugues J.; Murillo G.; Puigpinós E.; Rivasés I.; de Pablo C.; Álvaro-Fuentes J.

72 Title of the work: Effect of Nitrogen fertilization on soil greenhouse gas emissions in irrigated corn.

Name of the conference: International Soil and Tillage Research Organization Conference.

Type of event: Conference

Type of participation: Participatory - poster

City of event: Montevideo, Uruguay

Date of event: 24/09/2012

End date: 28/09/2012

Organising entity: International Soil and Tillage Research Organization

Type of entity: Associations and Groups

Álvaro-Fuentes J.; Cantero-Martínez C.; Bielsa A.; Isla R.; Quílez D.; Plaza-Bonilla D.; Arrúe JL.

73 Title of the work: GHG emissions as affected by tillage and N fertilization in Mediterranean Agroecosystems.

Name of the conference: International Soil and Tillage Research Organization Conference.

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Montevideo, Uruguay

Date of event: 24/09/2012

End date: 28/09/2012

Organising entity: International Soil and Tillage Research Organization

Type of entity: Associations and Groups

Plaza-Bonilla D.; Cantero-Martínez C.; Arrúe JL.; Álvaro-Fuentes J.

74 Title of the work: Optimizing tillage and N fertilization in Mediterranean rainfed areas.

Name of the conference: International Soil and Tillage Research Organization Conference.

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Montevideo, Uruguay

Date of event: 24/09/2012

End date: 28/09/2012

Organising entity: International Soil and Tillage Research Organization

Type of entity: Associations and Groups

Cantero-Martínez C.; Plaza-Bonilla D.; Morell F.; Álvaro-Fuentes J.

75 Title of the work: Low-cost image analysis method to quantify root surface area.

Name of the conference: International conference of agricultural engineering

Type of event: Conference

Type of participation: Participatory - poster

City of event: Valencia, Spain

Date of event: 08/07/2012

End date: 12/07/2012

Organising entity: CIGR-AgEng

Type of entity: Associations and Groups

Plaza-Bonilla D.; Cantero-Martínez C.; Álvaro-Fuentes J.; Lampurlanés J.



- 76** **Title of the work:** Soil organic carbon storage in a no-tillage chronosequence under Mediterranean conditions.
Name of the conference: International Symposium on Soil Organic Matter Dynamics.
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Leuven, Belgium
Date of event: 11/07/2011
End date: 14/07/2011
Organising entity: Katholieke Universiteit Leuven **Type of entity:** University
Álvaro-Fuentes J.; Plaza-Bonilla D.; Viñas P.; Arrúe JL.; Cantero-Martínez C.
- 77** **Title of the work:** Soil organic carbon storage under alternative agricultural management in semi-arid conditions: an integrated approach.
Name of the conference: International Symposium on Soil Organic Matter Dynamics
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Leuven, Belgium
Date of event: 11/07/2011
End date: 14/07/2011
Organising entity: Katholieke Universiteit Leuven **Type of entity:** University
Cantero-Martínez C.; Rivasés, I.; Plaza-Bonilla D.; Álvaro-Fuentes J.
- 78** **Title of the work:** Temporal evolution of surface soil organic carbon and aggregation as affected by nitrogen fertilization in semiarid no-tillage conditions.
Name of the conference: International Symposium on Soil Organic Matter Dynamics.
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Leuven, Belgium
Date of event: 11/07/2011
End date: 14/07/2011
Organising entity: Katholieke Universiteit Leuven **Type of entity:** University
Plaza-Bonilla D.; Cantero-Martínez C.; Álvaro-Fuentes J.
- 79** **Title of the work:** Corn root development with varied irrigation.
Name of the conference: ASA, CSSA, SSSA International Annual Meetings.
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Long Beach, CA., United States of America
Date of event: 31/10/2010
End date: 04/11/2010
Organising entity: ASA, CSSA, SSSA **Type of entity:** Associations and Groups
Gleason DJ; Plaza-Bonilla D.; Hansen NC.
- 80** **Title of the work:** Efecto del tipo y la dosis de fertilizante nitrogenado sobre la agregación en suelos bajo siembra directa.
Name of the conference: IV Congreso Ibérico de la Ciencia del Suelo.
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Granada, Spain
Date of event: 21/09/2010
End date: 24/09/2010



Organising entity: SOCIEDAD ESPAÑOLA DE LA CIENCIA DEL SUELO
Plaza-Bonilla D.; Cantero-Martínez C.; Álvaro-Fuentes J.

81 Title of the work: Effects of tillage and N fertilization on soil respiration in a mediterranean semiarid agroecosystem.

Name of the conference: Eurosoil Congress.

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Vienna, Austria

Date of event: 25/09/2008

End date: 29/09/2008

Organising entity: European Confederation of Soil Science Societies

Type of entity: Associations and Groups

Morell Soler F.J.; Álvaro-Fuentes J.; Lampurlanés, J.; Plaza-Bonilla D.; Cantero-Martínez C.

82 Title of the work: Soil aggregation as affected by tillage in Mediterranean semiarid agroecosystems.

Name of the conference: Eurosoil Congress

Type of event: Conference

Type of participation: Participatory - poster

City of event: Vienna, Austria

Date of event: 25/08/2008

End date: 29/08/2008

Organising entity: European Confederation of Soil Science Societies

Type of entity: Associations and Groups

Álvaro-Fuentes J.; Plaza-Bonilla D.; Morell F.J.; Cantero-Martínez C.

Works submitted to national or international seminars, workshops and/or courses

1 Title of the work: Poor man's meat is becoming fashionable: our research line devoted to grain legumes.

Name of the event: Ciclo de Seminarios del Dpto. de Producción Vegetal y Ciencia Forestal de la Universitat de Lleida

Type of event: Seminar

Geographical area: National

City of event: Lleida, Catalonia, Spain

Date of event: 28/01/2021

Organising entity: Dpto. Producción Vegetal y Ciencia Forestal (UdL)
Plaza-Bonilla D.

2 Title of the work: Tillage and fertilization: can we couple increasing yield and mitigating global warming in rainfed agroecosystems?

Name of the event: Jornadas de Presentación de Resultados de la Red SIRENA. Iniciativa española de investigación sobre eficiencia de N en agro-ecosistemas (Ref. AGL2015-68881-REDT).

Type of event: Seminar

Geographical area: National

City of event: Madrid, Community of Madrid, Spain

Date of event: 07/11/2018

End date: 07/11/2018

Organising entity: ETSIAAB.
Plaza-Bonilla D.



- 3** **Title of the work:** Broadening the focus to cropping systems: agronomy and environment.
Name of the event: Ciclo de Seminarios del Dpto. de Producción Vegetal y Ciencia Forestal de la Universitat de Lleida
Type of event: Seminar
Geographical area: National
City of event: Lleida, Catalonia, Spain
Date of event: 07/06/2018
Organising entity: Dpto. Producción Vegetal y Ciencia Forestal (UdL)
Plaza-Bonilla D.
- 4** **Title of the work:** Minimizando la emisión de N₂O del suelo por kg de grano de cebada: uso del modelo STICS para identificar prácticas adecuadas
Name of the event: Seminarios del Grupo RAMA (CITA, EEAD-CSIC)
Type of event: Seminar
City of event: Zaragoza, Aragon, Spain
Date of event: 23/03/2018
Organising entity: Grupo RAMA (CITA, EEAD-CSIC)
Plaza-Bonilla D.
- 5** **Title of the work:** Diversificación de cultivos en el sudoeste de Francia.
Name of the event: Seminarios del Grupo RAMA (CITA, EEAD-CSIC)
Type of event: Seminar
City of event: Zaragoza, Aragon, Spain
Date of event: 02/06/2017
Organising entity: Grupo RAMA (CITA, EEAD-CSIC)
Plaza-Bonilla D.
- 6** **Title of the work:** Oportunidades tecnológicas de cultivo para zonas de secano y regadío del Urgell.
Name of the event: XXXII Jornada sobre el cultiu de cereals a l'Urgell
Type of event: Workshop
Reasons for participation: Upon invitation
Geographical area: Regional
City of event: Verdú, Catalonia, Spain
Date of event: 04/05/2017
Organising entity: Departament d'Agricultura, Ramaderia, Pesca i Alimentació, Generalitat de Catalunya. Cantero-Martínez C; Plaza-Bonilla D; Pareja-Sánchez E; Bareche J; Franco-Luesma S; Álvaro-Fuentes, J.
- 7** **Title of the work:** La huella de carbono del maíz: consideraciones y oportunidades para las zonas de regadío.
Name of the event: Feria de San José
Type of event: Workshop
Reasons for participation: Upon invitation
Geographical area: Regional
City of event: Molerussa, Catalonia, Spain
Date of event: 18/03/2017
Organising entity: ASAJA-AEALL
Plaza-Bonilla D; Álvaro-Fuentes, J; Franco-Luesma S; Pareja-Sánchez E; Bareche J; Cantero-Martínez C; Álvaro-Fuentes J.



- 8** **Title of the work:** Valoración ambiental de las prácticas agrícolas en relación con la emisión de gases de efecto invernadero
Name of the event: Curso de Cultivos Herbáceos
Type of event: Workshop
Geographical area: Regional
City of event: Calaf, Catalonia, Spain
Date of event: 06/03/2017
Organising entity: Unió de Pagesos **Type of entity:** Associations and Groups
Cantero-Martínez C; Álvaro-Fuentes J; Plaza-Bonilla D.
- 9** **Title of the work:** Grain legumes and cover crops introduction in low-input cropping systems in the Garonne valley, France: some agronomic and environmental indicators
Name of the event: Ciclo de Seminarios del Dpto. de Producción Vegetal y Ciencia Forestal de la Universitat de Lleida
Type of event: Workshop
Geographical area: National
City of event: Lleida, Catalonia, Spain
Date of event: 09/06/2016
Organising entity: Dpto. Producción Vegetal y Ciencia Forestal (UdL)
Plaza-Bonilla D.
- 10** **Title of the work:** Localización de fertilizantes en agricultura de conservación: necesidad y actualidad.
Name of the event: Jornada de Agricultura de Conservación
Type of event: Workshop
Reasons for participation: Upon invitation
Geographical area: Regional
City of event: Soria, Castile and León, Spain
Date of event: 25/02/2016
Organising entity: Asociación Soriana de Agricultura **Type of entity:** Associations and Groups
de Conservación (ASOLAC)
Cantero-Martínez C; Álvaro-Fuentes, J; Plaza-Bonilla D.
- 11** **Title of the work:** Tecnología de la siembra directa y el mínimo laboreo
Name of the event: Curso de innovación en cultivos herbáceos.
Type of event: Workshop
Reasons for participation: Upon invitation
Geographical area: Regional
City of event: Cardona, Catalonia, Spain
Date of event: 01/02/2016
Organising entity: Unió de Pagesos
Cantero-Martínez C; Plaza-Bonilla D; Álvaro-Fuentes, J.
- 12** **Title of the work:** STICS model as a tool to simulate soil N₂O emissions: first results in the framework of the CASDAR Leg-N-GES and ADEME CiCC projects
Name of the event: Meeting of the ADEME-CiCC project.
Type of event: Workshop
Geographical area: European Union
City of event: Toulouse, Midi-Pyrénées, France
Date of event: 03/11/2015
Organising entity: INRA, CESBIO **Type of entity:** Public Research Body
Plaza-Bonilla D.



- 13 Title of the work:** Innovación y aspectos ambientales de la reducción del trabajo del suelo y siembra directa.
Name of the event: Mínimo laboreo y siembra directa en cereal y otros cultivos herbáceos.
Type of event: Workshop
Geographical area: National
City of event: Prats de Lluçanés, Catalonia, Spain
Date of event: 10/09/2015
Organising entity: Unió de Pagesos. Unió de Unions de Agricultores y Ganaderos.
Cantero-Martínez C; Álvaro-Fuentes J; Plaza-Bonilla D; Lampurlanés J; Arrúe JL; Bareche J; Gregori J.
- 14 Title of the work:** Innovación y aspectos ambientales de la reducción del trabajo del suelo y siembra directa.
Name of the event: Mínimo laboreo y siembra directa en cereal y otros cultivos herbáceos.
Type of event: Workshop
Geographical area: National
City of event: Fonolleres, Catalonia, Spain
Date of event: 04/09/2015
Organising entity: Unió de Pagesos. Unió de Unions de Agricultores y Ganaderos.
Cantero-Martínez C; Álvaro-Fuentes J; Plaza-Bonilla D; Lampurlanés J; Arrúe JL; Bareche J; Gregori J.
- 15 Title of the work:** Agricultura de Conservación: Experiencia práctica en el Valle del Ebro para la conservación de suelos
Name of the event: III Día de la conservación de suelo
Type of event: Seminar
Geographical area: National
City of event: Córdoba, Andalusia, Spain
Date of event: 24/06/2015
Organising entity: IAS-CSIC, UCO, IMGEMA con la colaboración del Campus de Excelencia Agroalimentaria CeIA3
Cantero-Martínez C; Álvaro-Fuentes J; Arrúe JL; Lampurlanés J; Plaza-Bonilla D; Gregori J.
- 16 Title of the work:** Tecnología de la siembra directa y el mínimo laboreo
Name of the event: Curso de Innovación en cultivos herbáceos
Type of event: Course
Reasons for participation: Upon invitation
City of event: Oliana, Catalonia, Spain
Date of event: 15/04/2015
Organising entity: Unió de Pagesos, Departamento de Agricultura de la Generalidad de Catalunya
Cantero-Martínez, C; Plaza-Bonilla, D; Álvaro-Fuentes, J.
- 17 Title of the work:** Effect of grain legumes on soil organic C and N
Name of the event: 2ème réunion annuelle du projet ANR-LEGITIMES
Type of event: Workshop
Reasons for participation: Speaker
City of event: Toulouse, Midi-Pyrénées, France
Date of event: 22/01/2015
End date: 23/01/2015
Organising entity: Institute National de la Recherche Agronomique (INRA)
Plaza-Bonilla, D; Justes, E.



- 18** **Title of the work:** Jornada Técnica. Sistemas de laboreo en el cultivo de la colza
Type of event: Workshop
City of event: Selvanera, Catalonia, Spain
Date of event: 22/05/2014
Organising entity: Mas Mascó Servicios Agrícolas **Type of entity:** Business
Cantero-Martínez, C; Álvaro-Fuentes, J; Lampurlanés, J; Arrue, J.L; Plaza-Bonilla, D.
- 19** **Title of the work:** Jornada Técnica sobre factores que afectan a la producción de cereales en siembra directa.
Name of the event: Curso de formación para técnicos de Agroseguro.
Type of event: Workshop
City of event: Huesca, Aragon, Spain
Date of event: 14/05/2014
Organising entity: Escuela Politécnica Superior de **Type of entity:** University
Huesca.
Lampurlanés, J; Álvaro-Fuentes, J; Arrúe, J.L; Plaza-Bonilla, D; Cantero-Martínez, C.
- 20** **Title of the work:** Tecnología de la siembra directa y el mínimo laboreo
Name of the event: Curso de Innovación en cultivos herbáceos
Type of event: Course
Reasons for participation: Upon invitation
City of event: Tremp, Catalonia, Spain
Date of event: 03/03/2014
Organising entity: Unió de Pagesos. Generalitat de Catalunya. Consorci per a la Formació Contínua de Catalunya. Ministerio de Empleo y Seguridad Social.
Plaza-Bonilla, D; Cantero-Martínez, C.
- 21** **Title of the work:** Emisiones de gases de efecto invernadero en los secanos mediterráneos: efectos del laboreo y de la estrategia de fertilización
Name of the event: Seminarios de la Estación Experimental de Aula Dei (CSIC)
Type of event: Seminar
Reasons for participation: Upon invitation
City of event: Zaragoza, Aragon, Spain
Date of event: 25/02/2014
Organising entity: Estación Experimental de Aula Dei **Type of entity:** State agency
Plaza-Bonilla, D.
- 22** **Title of the work:** Jornada Técnica sobre la siembra directa en cultivos forrajeros: Importancia de la siembra directa para las comarcas Pirenaicas y Pre-pirenaicas.
Name of the event: Plan anual de transferencia de tecnología.
Type of event: Workshop
Reasons for participation: Upon invitation
City of event: La Seu d'Urgell, Catalonia, Spain
Date of event: 23/01/2014
Organising entity: Unió de Pagesos y Generalitat de **Type of entity:** Associations and Groups
Catalunya.
Cantero-Martínez, C; Álvaro-Fuentes, J; Lampurlanés, J; Arrúe, J.L; Plaza-Bonilla, D; Ovejero, J; Gregori, J.



- 23** **Title of the work:** Soil greenhouse gases emissions. The role of agricultural management practices.
Name of the event: Seminarios del Departamento de Producción Vegetal y Ciencia Forestal de la Universitat de Lleida
Type of event: Seminar
Reasons for participation: Speaker
City of event: Lleida, Catalonia, Spain
Date of event: 31/05/2012
Organising entity: Departamento de Producción Vegetal y Ciencia Forestal
Plaza-Bonilla, D. **Type of entity:** University Department
- 24** **Title of the work:** Soil Organic Carbon protection: implications of the agricultural management practices
Name of the event: Seminarios del Departamento de Producción Vegetal y Ciencia Forestal de la Universitat de Lleida
Type of event: Seminar
Reasons for participation: Speaker
City of event: Lleida, Catalonia, Spain
Date of event: 12/05/2011
Organising entity: Departament de Producción Vegetal y Ciencia Forestal
Plaza-Bonilla, D. **Type of entity:** University Department
- 25** **Title of the work:** Avances productivos, económicos y medioambientales de la agricultura de conservación en Catalunya
Name of the event: Jornada: Realidades de la agricultura de conservación en la coyuntura agraria actual.
Type of event: Workshop
City of event: Zaragoza, Aragon, Spain
Date of event: 15/03/2011
Organising entity: Ibercide-Aragón (Ibercaja)
Cantero-Martínez, C; Arrúe, J.L; Lampurlanés, J; Álvaro-Fuentes, J; Plaza-Bonilla, D. **Type of entity:** Foundation
- 26** **Title of the work:** Secuestro de carbono en suelos agrícolas: oportunidades de la siembra directa.
Name of the event: Jornada Técnica del Plan Anual de Transferencia de Tecnología
Type of event: Workshop
Reasons for participation: Upon invitation
City of event: Calaf, Barcelona, Spain
Date of event: 08/10/2010
Organising entity: Unió de Pagesos
Plaza-Bonilla, D; Álvaro-Fuentes, J; Cantero-Martínez, C. **Type of entity:** Associations and Groups
- 27** **Title of the work:** Efecto de la fecha de siembra en el rendimiento y la eficiencia en el uso del agua en siembra directa.
Name of the event: Jornada Técnica del Plan Anual de Transferencia de Tecnología
Type of event: Workshop
Reasons for participation: Upon invitation
City of event: Tàrrega, Catalonia, Spain
Date of event: 19/05/2010
Organising entity: Unió de Pagesos
Plaza-Bonilla, D; Domingo-Lahuerta, A; Morell-Soler, F.J; Álvaro-Fuentes, J; Cantero-Martínez, C. **Type of entity:** Associations and Groups



- 28** **Title of the work:** Introducción a la siembra directa. Oportunidades y experiencias.
Name of the event: Jornada Técnica del Plan Anual de Transferencia de Tecnología
Type of event: Workshop
Reasons for participation: Upon invitation
City of event: Cornellà del Terri, Catalonia, Spain
Date of event: 03/12/2009
Organising entity: Unió de Pagesos
Plaza-Bonilla, D; Cantero-Martínez, C.
- 29** **Title of the work:** Manejo de los restos de cosecha en siembra directa: experiencias en Catalunya.
Name of the event: Jornada Técnica del Plan Anual de Transferencia de Tecnología
Type of event: Workshop
Reasons for participation: Speaker
City of event: Sallent, Catalonia, Spain
Date of event: 18/09/2009
Organising entity: Unió de Pagesos
Plaza-Bonilla, D; Cantero-Martínez, C.
- 30** **Title of the work:** Balance de carbono en siembra directa
Name of the event: Seminarios científico-técnicos sobre siembra directa y eficiencia energética en cultivos herbáceos
Type of event: Seminar
Reasons for participation: Upon invitation
City of event: Cuenca, Castile-La Mancha, Spain
Date of event: 19/05/2009
Organising entity: Agecam (Agencia Regional de la Energía de Castilla-La Mancha) y Ucaman (Cooperativas Agrícolas de Castilla-La Mancha).
Plaza-Bonilla, D; Morell, F.J; Cantero-Martínez, C; Álvaro-Fuentes, J.
- 31** **Title of the work:** Balance de carbono en siembra directa
Name of the event: Seminarios científico-técnicos sobre siembra directa y eficiencia energética en cultivos herbáceos
Type of event: Seminar
Reasons for participation: Upon invitation
City of event: Toledo, Castile-La Mancha, Spain
Date of event: 12/05/2009
Organising entity: Agecam (Agencia Regional de la Energía de Castilla-La Mancha) y Ucaman (Cooperativas Agrícolas de Castilla-La Mancha).
Plaza-Bonilla, D; Morell, F.J; Cantero-Martínez, C; Álvaro-Fuentes, J.

Other dissemination activities

- 1** **Title of the work:** Agricultura de Conservación en regadío.
Name of the event: Jornadas sobre la Agricultura de Conservación.
Type of event: Conferences given
City of event: On-line,
Date of event: 13/05/2021
Organising entity: AVAC (Asociación Vallisoletana de Agricultura de Conservación). Acciones Formativas en el marco del Programa de Desarrollo Rural de Castilla y León 2014-2020.
Plaza-Bonilla, D.



- 2** **Title of the work:** Dissemination of the LegumeGap and PROSOY research projects.
Name of the event: Radio Interview
Type of event: Media interviews
Date of event: 22/03/2021
Organising entity: Ua1 radio Lleida
Plaza-Bonilla, D.
- 3** **Title of the work:** Innovación en los sistemas de cultivo: una tarea compleja en la que todos somos imprescindibles.
Name of the event: I Seminario Suelos Vivos – AGRACON. Programa de Desarrollo Rural de Aragón 2014-2020.
Type of event: Conferences given
City of event: On-line,
Date of event: 10/03/2021
Organising entity: Asociación Aragonesa de Agricultura de Conservación (AGRACON)
Plaza-Bonilla, D.
- 4** **Title of the work:** Dissemination of the LegumeGap and PROSOY research projects.
Name of the event: Television Interview
Type of event: Media interviews
Date of event: 23/02/2021
Organising entity: TelePonent
Plaza-Bonilla, D. **Type of entity:** Business
- 5** **Title of the work:** Curso de especialista en la siembra de cultivos extensivos
Type of event: Curso formación agricultores **Geographical area:** Regional
City of event: Lleida, Catalonia, Spain
Date of event: 13/02/2020
Organising entity: ACTEL, SDAD. COOP. LTDA.
Plaza-Bonilla, D.
- 6** **Title of the work:** Technical visit on conservation agriculture and best management practices in field crops. LIFE Unlimited.
Type of event: Día de campo
City of event: Agramunt, Catalonia, Spain
Date of event: 06/02/2020
Organising entity: Grupo de Agronomía y Medio Ambiente en Sistemas Agrícolas Mediterráneos **Type of entity:** University
Daniel Plaza Bonilla; Carlos Cantero Martínez; Genís Simon Miquel; Rasendra Talukder; Jesús Fernández.
- 7** **Title of the work:** Visita al campo de ensayo de la UdL en Agramunt. Cultivos de guisante y maíz bajo distintos tipos de trabajo del suelo y dosis de nitrógeno.
Name of the event: XXXIV Jornada sobre el cultivo de cereales en el Urgell
Type of event: Conferences given
City of event: Agramunt, Catalonia, Spain
Date of event: 22/05/2019
Organising entity: Departament d'Agricultura, Ramaderia, Pesca i Alimentació, Generalitat de Catalunya. ADV Valls del Corb, IRTA.
Cantero-Martínez, C; Plaza-Bonilla, D.



- 8** **Title of the work:** Rotaciones y sistemas de cultivo en secanos húmedos.
Name of the event: Formación en Producción Agrícola Extensiva
Type of event: Conferences given
City of event: Solsona, Catalonia, Spain
Date of event: 19/03/2019
Organising entity: Escuela de Capacitación Agraria de Solsona
- 9** **Title of the work:** Curso de especialista en la siembra de cultivos extensivos
Type of event: Curso formación agricultores **Geographical area:** Regional
City of event: Lleida, Catalonia, Spain
Date of event: 16/01/2019
Organising entity: ACTEL, SDAD. COOP. LTDA.
Plaza-Bonilla, D.
- 10** **Title of the work:** Valoración agronómica y económica de la respuesta de variedades de guisante (*Pisum sativum*) y de la fertilización nitrogenada en zonas de secano mediterráneo
Name of the event: Jornada de Colza y Guisante
Type of event: Conferences given
City of event: Cervera, Catalonia, Spain
Date of event: 06/09/2018
Organising entity: Mascó Serveis Agrícoles **Type of entity:** Business
Pereta, E; Montserrat, J; Besora, JM; Plaza-Bonilla, D; Cantero-Martínez, C.
- 11** **Title of the work:** Agricultura de conservación y cubiertas vegetales: retos y oportunidades
Name of the event: Jornada de Primavera de AVAC
Type of event: Conferences given
City of event: Valladolid, Castile and León, Spain
Date of event: 04/05/2018
Organising entity: Asociación Vallisoletana de Agricultura de Conservación (AVAC) **Type of entity:** Associations and Groups
Plaza-Bonilla, D; Lampurlanés, J; Pareja-Sánchez, E; Álvaro-Fuentes, J; Cantero-Martínez, C.
- 12** **Title of the work:** Cultivos cubierta: experiencias en Francia y aplicabilidad en el valle del Ebro
Name of the event: Cubiertas vegetales para una agricultura sostenible
Type of event: Conferences given
City of event: Zaragoza, Aragon, Spain
Date of event: 20/03/2018
Organising entity: Asociación Aragonesa de Agricultura de Conservación (AGRACON)
Plaza-Bonilla, D; Álvaro-Fuentes, J; Cantero-Martínez, C; Justes, E.
- 13** **Title of the work:** Claves para el cambio de una agricultura convencional a agricultura de conservación
Name of the event: IV Jornada Aragonesa de Agricultura de Conservación.
Type of event: Conferences given
City of event: Alcañiz, Aragon, Spain
Date of event: 30/09/2017
Organising entity: Asociación Aragonesa de Agricultura de Conservación (AGRACON)
Cantero-Martínez, C; Álvaro-Fuentes, J; Arrúe, JL; Lampurlanés, J; Pareja-Sánchez, E; Franco-Luesma, S;
Plaza-Bonilla, D.



- 14 Title of the work:** Los beneficios de las rotaciones en cultivos extensivos
Name of the event: VIII Jornada Comarcal de Cultivos Herbaceos
Type of event: Conferences given
City of event: Santa Coloma de Queralt, Catalonia, Spain
Date of event: 18/05/2017
Organising entity: Departament d'Agricultura, Ramaderia, Pesca i Alimentació, Generalitat de Catalunya. Cantero-Martínez, C; Plaza-Bonilla, D; Pareja-Sánchez, E; Bareche, J; Lampurlanés, J; Franco-Luesma, S; Arrúe, JL; Burillo, M; Pereta, E; Basora, JM; Álvaro-Fuentes, J.

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1 Committee title:** Member of the scientific committee of the VIII REMEDIA workshop held in Elche (September 22-23, 2019)
Affiliation entity: Universitat de Lleida
Type of entity: University
Start-End date: 22/09/2020 - 23/09/2020
- 2 Committee title:** Member of the scientific committee of the VII REMEDIA workshop held in Lugo (March 27-28, 2019)
Affiliation entity: Universitat de Lleida
Type of entity: University
Start-End date: 27/03/2019 - 28/03/2019
- 3 Committee title:** Member of the scientific committee of the IV REMEDIA workshop held in Madrid (March 23-25, 2015)
Affiliation entity: INRA-Toulouse
Type of entity: Public Research Body
City affiliation entity: Toulouse, Midi-Pyrénées, France
Start-End date: 23/03/2015 - 25/03/2015

Organization of R&D activities

- 1 Title of the activity:** STICS soil-crop model international course organized jointly by our group and INRAe and CIRAD (FR) colleagues
Type of activity: Course
Geographical area: European Union
Convening entity: INRAe, UdL, CIRAD
City convening entity: On-line
Start-End date: 20/10/2021 - 28/10/2021
- 2 Title of the activity:** Convenor and chair of the Session "Cropping system diversification with legumes" in Landscape congress held in Berlin (September 20-22, 2021)
Type of activity: Congress session
Geographical area: European Union
Convening entity: ZALF
City convening entity: Germany
Start-End date: 20/09/2021 - 22/09/2021
- 3 Title of the activity:** 1st Workshop of the International Soil and Tillage Research Organization. Working Group on Conservation Soil Tillage
Type of activity: Workshop
Geographical area: European Union
Type of entity: Associations and Groups



Convening entity: International Soil and Tillage Research Organization

City convening entity: Osijek, Croatia

Start-End date: 08/09/2020 - 09/09/2020

Evaluation and revision of R&D projects and articles

- 1 Name of the activity:** Evaluador de proyectos
Performed tasks: Miembro Comisión científico técnica de la convocatoria Infraestructuras 2020
Entity where activity was carried out: Ministerio de Ciencia e Innovación. Investigación **Type of entity:** AEI
City of entity: Lleida, Catalonia, Spain
Start-End date: 2021 - 2021
- 2 Name of the activity:** Evaluador de investigadores postdoctorales
Performed tasks: Miembro Comisión científico técnica de la convocatoria Juan de la Cierva 2020
Entity where activity was carried out: Ministerio de Ciencia e Innovación. Investigación **Type of entity:** AEI
City of entity: Lleida, Catalonia, Spain
Start-End date: 2021 - 2021
- 3 Name of the activity:** Evaluador de proyectos del Plan Estatal.
Performed tasks: External reviewer for the "Programa Estatal Proyectos de I+D+i Retos Investigaciónn". Subdivisión de Coordinación y Evaluación de la Agencia Estatal de Investigación (AEI).
Entity where activity was carried out: Universidad de Lleida **Type of entity:** University
City of entity: Lleida, Catalonia, Spain
Geographical area: National
Start-End date: 2018 - 2021
- 4 Name of the activity:** Evaluador de investigadores postdoctorales
Performed tasks: Colaborador Técnico en Calidad de Evaluador de la Dirección de Evaluación y Acreditación de la Agencia Andaluza del Conocimiento (DEVA-AAC)
Entity where activity was carried out: Agencia Andaluza del Conocimiento (DEVA-AAC) **Type of entity:** State agency
City of entity: Andalusia, Spain
Start date: 2021
- 5 Name of the activity:** Evaluador de investigadores postdoctorales
Performed tasks: Colaborador Técnico en Calidad de Evaluador de la Dirección de Evaluación y Acreditación de la Agencia Andaluza del Conocimiento (DEVA-AAC)
Entity where activity was carried out: Agencia Andaluza del Conocimiento (DEVA-AAC) **Type of entity:** State agency
City of entity: Lleida, Catalonia, Spain
Start date: 2020
- 6 Name of the activity:** Evaluador de proyectos internacionales.
Performed tasks: Member of the evaluation committee of "PRIMA SECTION 1 RIA Conserving water and soil in Mediterranean dry-farming, smallholder agriculture". PRIMA: Partnership for Research and Innovation in the Mediterranean Area. European Commission (Horizon 2020).
Type of entity: Foundation



Entity where activity was carried out: Fundación PRIMA

City of entity: Barcelona, Catalonia, Spain

Geographical area: Non EU International

Start date: 2019

7 Name of the activity: External evaluator of PhD thesis for Università degli studi di Milano

Performed tasks: External evaluator for PhD thesis

Entity where activity was carried out: Università degli studi di Milano **Type of entity:** University

Frequency of the activity: 1

Start date: 2018

8 Name of the activity: Evaluador de proyectos Europeos

Performed tasks: External reviewer for the Access to Research Infrastructures activity in the Horizon 2020 Programme of the EU European Plant Phenotyping Network (EPPN2020 Grant Agreement 731013).

Entity where activity was carried out: Universidad de Lleida

City of entity: Lleida, Catalonia, Spain

Geographical area: European Union

Start date: 2018

9 Name of the activity: Evaluador de proyectos internacionales

Performed tasks: External reviewer for Scientific and Technological Projects: Fondo para la Investigación Científica y Tecnológica, Ministerio de Ciencia e Innovación Productiva, Argentina.

Entity where activity was carried out: INRA-Toulouse **Type of entity:** Public Research Body

City of entity: Toulouse, Midi-Pyrénées, France

10 Name of the activity: Evaluador de proyectos Europeos

Performed tasks: External reviewer for the 2015 BiodivERsA3 joint call of the BiodivERsA3 ERA-NET network.

Entity where activity was carried out: INRA-Toulouse **Type of entity:** Public Research Body

City of entity: Toulouse, Midi-Pyrénées, France

11 Performed tasks: Revisión de artículos científicos

Entity where activity was carried out: Global Change Biology-Bioenergy

Frequency of the activity: 1

12 Performed tasks: Revisión de artículos científicos

Entity where activity was carried out: Agricultural Systems

Type of activity: Review of articles in scientific or technological journals **Frequency of the activity:** 1

13 Performed tasks: Revisión de artículos científicos

Entity where activity was carried out: Agronomy for Sustainable Development

Type of activity: Review of articles in scientific or technological journals **Frequency of the activity:** 1



- 14 Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Biogeochemistry
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 1
- 15 Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Biological Agriculture & Horticulture
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 1
- 16 Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Cogent Food and Agriculture
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 1
- 17 Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Crop Science
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 1
- 18 Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Ecosphere
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 1
- 19 Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: European Journal of Soil Science
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 1
- 20 Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Food and Energy Security
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 1
- 21 Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Frontiers in Environmental Science
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 1
- 22 Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Geoderma Regional
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 1
- 23 Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Global Change Biology - Bioenergy
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 1



- 24** **Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Global Change Biology
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 1
- 25** **Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: International Soil and Water Conservation Research
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 1
- 26** **Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Journal of Mountain Science
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 1
- 27** **Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Journal of Soil and Water Conservation
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 1
- 28** **Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Legume Science
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 1
- 29** **Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Revista Brasileira de Ciência do Solo
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 1
- 30** **Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Science of the Total Environment
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 1
- 31** **Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Soil Horizons
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 1
- 32** **Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Soil Use and Management
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 1
- 33** **Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Pedosphere
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 10



- 34 Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Acta Agriculturae Scandinavica
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 2
- 35 Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Scientific Reports
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 2
- 36 Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Spanish Journal of Agricultural Research
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 2
- 37 Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Geoderma
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 25
- 38 Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Agriculture, Ecosystems and Environment
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 27
- 39 Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Archives of Agronomy and Soil Science
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 3
- 40 Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Journal of Plant Nutrition and Soil Science
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 3
- 41 Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Plos One
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 3
- 42 Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: CATENA
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 4
- 43 Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Mitigation and Adaptation Strategies for Global Change
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 4



- 44** **Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Soil Research
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 4
- 45** **Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Sustainability
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 4
- 46** **Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Journal of Environmental Quality
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 5
- 47** **Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Field Crops Research
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 6
- 48** **Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Journal of Integrative Agriculture
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 6
- 49** **Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Land Degradation and Development
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 6
- 50** **Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Soil Science Society of America Journal
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 7
- 51** **Performed tasks:** Revisión de artículos científicos
Entity where activity was carried out: Agronomy Journal
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 9
- 52** **Performed tasks:** Revisor de artículos científicos
Entity where activity was carried out: Natural Resources Forum
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 1
- 53** **Performed tasks:** Revisor de artículos científicos
Entity where activity was carried out: Water, Air and Soil Pollution
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 1



- 54** **Performed tasks:** Revisor de artículos científicos
Entity where activity was carried out: European Journal of Soil Biology
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 1
- 55** **Performed tasks:** Revisor de artículos científicos
Entity where activity was carried out: Plant and Soil
Type of activity: Review of articles in scientific or technological journals
Frequency of the activity: 5

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** Consejo Superior de Investigaciones Científicas
Type of entity: State agency
Faculty, institute or centre: Estación Experimental de Aula Dei
City of entity: Zaragoza, Aragon, Spain
Start-End date: 15/04/2016 - 14/04/2018
Duration: 2 years
Goals of the stay: Post-doctoral
Provable tasks: Juan de la Cierva-Formación fellow in the team led by Dr. Jorge Álvaro-Fuentes. Projects: AGL2013-49062-C4-4-R, BASIL (BiodivERsA-FACCE2014-16)
- 2** **Entity:** Universidad Politécnica de Madrid
Type of entity: University
Faculty, institute or centre: Escuela Técnica Superior de Ingenieros Agrónomos
City of entity: Madrid, Community of Madrid, Spain
Start-End date: 06/02/2017 - 17/02/2017
Duration: 15 days
Funding entity: MINECO (Red SIRENA, AGL2015-68881-REDT).
Name of programme: II Convocatoria de estancias cortas de investigadores entre grupos de la red SIRENA
Goals of the stay: Post-doctoral
Provable tasks: Familiarización con la cuantificación de la medida de lixiviación del nitrato en condiciones de campo. Visitas experimentos de campo: estrategias de reducción de las pérdidas de nitrógeno al medio (uso de cultivos cubierta en maíz y utilización de inhibidores en fert. nitrogenados). Puesta a punto del modelo STICS para la simulación del drenaje y lixiviación del nitrato al incorporar cultivos cubierta en sistemas de cultivo basados en el maíz regado por aspersión.
- 3** **Entity:** Institute National de la Recherche Agronomique (INRA)
Faculty, institute or centre: Toulouse, UMR-AGIR 1248
City of entity: Toulouse, Midi-Pyrénées, France
Start-End date: 15/04/2014 - 14/04/2016
Duration: 2 years
Name of programme: Contrato proyectos Agence National de la Recherche y Ministère de l'Agriculture (CASDAR)
Goals of the stay: Post-doctoral
Provable tasks: Postdoc contract in VASCO team led by Eric Justes (PhD). Projects: Leg-N-GES, LEGITIMES.
Relevant results: 5 publicaciones WOS-JCR como primer autor; participación en 2 proyectos internacionales; 1 tesis de Máster dirigida.



- 4** **Entity:** Natural Resources Ecology Laboratory - Colorado State University **Type of entity:** Public Research Body
City of entity: Fort Collins, CO, United States of America
Start-End date: 20/01/2013 - 10/05/2013 **Duration:** 3 months - 20 days
Funding entity: Ministerio de Educación, Cultura y Deporte
Name of programme: Programa de Formación de Profesorado Universitario (FPU)
Goals of the stay: Doctorate
Provable tasks: Training with the Daycent model. Research advisor: Prof. Dr. Keith Paustian.
- 5** **Entity:** Colorado State University **Type of entity:** Public Research Body
Faculty, institute or centre: Soil and Crop Sciences Department
City of entity: Fort Collins, CO, United States of America
Start-End date: 25/06/2008 - 11/09/2008 **Duration:** 2 months - 15 days
Funding entity: FUNDACIO BANCAIXA
Goals of the stay: Contracted
Provable tasks: Research assistant in the agronomy group. Research advisor: Prof. Neil C. Hansen

Obtained grants and scholarships

- 1** **Name of the grant:** Contrato Ramón y Cajal
Aims: Post-doctoral
Awarding entity: AEI
Conferral date: 01/04/2020 **Duration:** 5 years
End date: 31/03/2025
Entity where activity was carried out: Universitat de Lleida
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Agraria
- 2** **Name of the grant:** Contrato Posdoctoral Juan de la Cierva - Incorporación (1st out of 74 candidates in the area of Agriculture).
Aims: Post-doctoral
Awarding entity: MINECO
Conferral date: 15/04/2018
End date: 14/04/2020
Entity where activity was carried out: Universitat de Lleida
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Agraria
- 3** **Name of the grant:** Contrato Posdoctoral Juan de la Cierva - Formación (3rd out of 72 candidates in the area of Agriculture).
Aims: Post-doctoral
Awarding entity: MINECO
Conferral date: 15/04/2016
End date: 14/04/2018
Entity where activity was carried out: Consejo Superior de Investigaciones Científicas
Faculty, institute or centre: Estación Experimental de Aula Dei
- 4** **Name of the grant:** Becario predoctoral del Programa de Formación de Profesorado Universitario (FPU).
Aims: Pre-doctoral
Awarding entity: MINISTERIO DE EDUCACION Y CIENCIA
Conferral date: 07/10/2010
End date: 06/10/2013



Entity where activity was carried out: Universitat de Lleida
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Agraria

5 Name of the grant: Beca para una estancia doctoral. Programa de Formación de Profesorado Universitario (FPU). Destino: Natural Resources Ecology Laboratory, Colorado State University, USA.

Aims: Pre-doctoral

Awarding entity: MINISTERIO DE EDUCACION Y CIENCIA

Conferral date: 10/01/2013

End date: 08/05/2013

Entity where activity was carried out: Natural Resources Ecology Laboratory, Colorado State University, CO, USA.

6 Name of the grant: Becario predoctoral de la Universidad de Lleida

Aims: Pre-doctoral

Awarding entity: Universitat de Lleida

Type of entity: University

Conferral date: 15/10/2009

End date: 14/10/2010

Entity where activity was carried out: Universitat de Lleida

Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Agraria

7 Name of the grant: Becario de Introducción a la Investigación

Aims: Pre-doctoral

Awarding entity: MINISTERIO DE EDUCACION Y CIENCIA

Conferral date: 15/12/2008

End date: 01/07/2009

Entity where activity was carried out: Universitat de Lleida

Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Agraria

8 Name of the grant: Gastos de viaje para una estancia a la Colorado State University.

Aims: Pre-doctoral

Awarding entity: FUNDACIO BANCAIXA

Conferral date: 15/06/2008

End date: 11/09/2008

Entity where activity was carried out: Colorado State University

9 Name of the grant: (Renunciada por contrato profesor en ECA). Becas para estudiantes predoctorales de universidades públicas del sistema universitario catalán para actividades académicas dirigidas de soporte al profesorado (expediente: 2014 AAD 00060)

Aims: Pre-doctoral

Awarding entity: AGENCIA DE GESTIO D'AJUTS UNIVERSITARIS I DE RECERCA

Conferral date: 14/10/2013

Scientific societies and professional associations

1 Name of the society: American Society of Agronomy

Affiliation entity: Estación Experimental de Aula Dei **Type of entity:** State agency

City affiliation entity: Zaragoza, Aragon, Spain

Start-End date: 08/03/2016 - 08/03/2018



Riego, Agronomía y Medio Ambiente (A15-Gobierno Aragón) (CSIC)

Start date: 15/04/2016

Prizes, mentions and distinctions

1 **Description:** Editor's Citation of Excellence in Manuscript Review for the Soil Science Society of America Journal 2015

Awarding entity: Soil Science Society of America

Type of entity: Associations and Groups

City awarding entity: United States of America

Conferral date: 29/01/2016

2 **Description:** Premio Extraordinario de Doctorado

Awarding entity: Universitat de Lleida

Type of entity: University

City awarding entity: Lleida, Catalonia, Spain

Conferral date: 16/10/2015

Obtained accreditations/recognitions

Description: Acreditación como Profesor Lector

Accrediting entity: AQU, Agencia para la Calidad del Sistema Universitario de Cataluña

City accrediting entity: Barcelona, Catalonia, Spain

Date of recognition: 23/03/2018