



Jesús Mercado Blanco

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Date of document: 14/12/2015

v 1.4.0

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Summary of CV

Descripción breve de la trayectoria científica, los principales logros científico-técnicos obtenidos, los intereses y objetivos científico-técnicos a medio/largo plazo de la línea de investigación. Incluye también otros aspectos o peculiaridades importantes.

Researcher of the Institute for Sustainable Agriculture (IAS), belonging to the 'Agencia Estatal Consejo Superior de Investigaciones Científicas' (CSIC, Spain) since 1997 (Tenured Scientist since 2006). Previous PhD and postdoc activities were carried out at the Estación Experimental del Zaidín (EEZ, CSIC), University of California at San Diego (USA), and Utrecht University (The Netherlands). Current research activity is mainly focused on **agriculture biotechnology** and the implementation of methodologies within an **integrated disease management strategy to control plant diseases, using Verticillium wilt of olive** as study system. The study and use of biological control agents constitutes a major research field. Specific research topics are: 1) Unravelling **molecular bases of plant-pathogen-biocontrol agent(s) interactions** by molecular and '-omic' approaches; 2) Studies on beneficial **bacterial endophytes**; 3) Analysis of the genetic, molecular and pathogenic diversity of rhizosphere microorganisms; and 4) Qualitative and quantitative molecular detection of soil-borne fungal pathogens. Author of over 90 scientific, informative and meeting proceeding articles and book chapters (over 50 entries indexed in the ISI Web of Knowledge, **h-index=23; no. of cites > 1000**). (Co)inventor of **8 patents**. Participant in more than 25 research projects (8 as Principal Investigator). Currently serving as **Section Editor** in the journal 'Plant and Soil' (JCR), as **Associate Editor** in the journal 'BioControl' (SCI), and as **Guest Associate Editor** in the journal 'Frontiers in Microbiology' (JCR). Anonymous referee for more than 20 scientific journals (JCT) (Microbiology, Biotechnology, Plant Sciences, Soil Sciences subject areas).



General quality indicators of scientific research

Información sobre el número de sexenios de investigación y la fecha del último concedido, número de tesis doctorales dirigidas en los últimos 10 años, citas totales, promedio de citas/año durante los últimos 5 años (sin incluir el año actual), publicaciones totales en primer cuartil (Q1), Índice h. Incluye otros indicadores considerados de importancia.

Researcher of the Institute for Sustainable Agriculture (IAS), belonging to the 'Agencia Estatal Consejo Superior de Investigaciones Científicas' (CSIC, Spain) since 1997 (Tenured Scientist since 2006). Previous PhD and postdoc activities were carried out at the Estación Experimental del Zaidín (EEZ, CSIC), University of California at San Diego (USA), and Utrecht University (The Netherlands). Author of over 90 scientific, informative and meeting proceeding articles and book chapters (over 50 entries indexed in the ISI Web of Knowledge, **h-index=23; no. of cites > 1000**). (Co)inventor of **8 patents**. Participant in more than 25 research projects (8 as Principal Investigator). Currently serving as **Section Editor** in the journal 'Plant and Soil' (JCR), as **Associate Editor** in the journal 'BioControl' (SCI), and as **Guest Associate Editor** in the journal 'Frontiers in Microbiology' (JCR). Anonymous referee for more than 20 scientific journals (JCT) (Microbiology, Biotechnology, Plant Sciences, Soil Sciences subject areas).



Jesús Mercado Blanco

Surname(s): **Mercado Blanco**
 Name: **Jesús**
 DNI: **24.299.722S**
 ScopusID: **6603450120**
 ResearcherID: **F-3385-2011**
 ORCID: **orcid.org/0000-0003-1895-5895**
 Date of birth: **25/06/1964**
 Gender: **Male**
 Nationality: **Spain**
 Country of birth: **Spain**
 Aut. region/reg. of birth: **Andalusia**
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Current professional situation

Employing entity: Consejo Superior de Investigaciones Científicas

Department: Protección de Cultivos, Instituto Agricultura Sostenible

Professional category: Científico Titular

Start date: 07/2006

Type of contract: Civil servant

Dedication regime: Full time

Primary (UNESCO code): 310802 - Disease control, biological

Secondary (UNESCO code): 241501 - Molecular biology of micro-organisms

Tertiary (UNESCO code): 241406 - Fungi

Performed tasks: Biotecnología y microbiología agrícola y desarrollo de herramientas de control biológico para su utilización en estrategias de manejo integrado de enfermedades, utilizando la Verticilosis del olivo como sistema de estudio. Los campos específicos de investigación son: 1) Identificación y caracterización de agentes de control biológico; 2) Estudio de las bases moleculares y genéticas de interacciones tripartitas planta-patógeno-agentes de biocontrol; 3) Endofitos bacterianos beneficiosos; 4) Diversidad genética y molecular de microorganismos de la rizosfera; 5) Métodos cualitativos y cuantitativos para la detección molecular de microorganismos del suelo. Temas: Microbiología, Biología molecular, Fitopatología, Biotecnología agrícola, Diversidad genética y patogénica en hongos, Interacción molecular microbio-planta, Endofitos bacterianos, Control biológico, Inducción de resistencia en plantas, Experto en la interacción *Verticillium dahliae*/olivo y en el desarrollo de estrategias para el control de la Verticilosis del olivo

Identify key words: Molecular biology; Microbiology; Agriculture

Previous positions and activities

	Employing entity	Professional category	Start date
1	Instituto Agricultura Sostenible (CSIC)	Investigador Programa Ramón y Cajal	01/2002
2	Instituto Agricultura Sostenibe (CSIC)	Investigador contratado	04/1997
3	Universidad de Utrecht (Países Bajos)	Becario UE (Human Capital and Mobility)	04/1995
4	Universidad de Utrecht (Países Bajos)	Becario postdoctoral CSIC	01/1994
5	Universidad de Córdoba	Becario postdoctoral cargo proyecto	07/1993
6	Estación Experimental del Zaidín	Becario predoctoral cargo proyecto	01/1992
7	Estación Experimental del Zaidín	Becario predoctoral FPI	1988
8	Estación Experimental del Zaidín	Becario Colaboración MEC	1985

1 **Employing entity:** Instituto Agricultura Sostenible **Type of entity:** State agency (CSIC)

Professional category: Investigador Programa Ramón y Cajal

Start-End date: 01/2002 - 06/2006

2 **Employing entity:** Instituto Agricultura Sostenibe **Type of entity:** State agency (CSIC)

Professional category: Investigador contratado

Start-End date: 04/1997 - 12/2001

3 **Employing entity:** Universidad de Utrecht (Países Bajos)

Professional category: Becario UE (Human Capital and Mobility)

Start-End date: 04/1995 - 03/1997

4 **Employing entity:** Universidad de Utrecht **Type of entity:** University (Países Bajos)

Professional category: Becario postdoctoral CSIC

Start-End date: 01/1994 - 03/1995

5 **Employing entity:** Universidad de Córdoba **Type of entity:** University

Professional category: Becario postdoctoral cargo proyecto

Start-End date: 07/1993 - 12/1993

6 **Employing entity:** Estación Experimental del **Type of entity:** State agency Zaidín

Professional category: Becario predoctoral cargo proyecto

Start-End date: 01/1992 - 06/1993

7 **Employing entity:** Estación Experimental del **Type of entity:** State agency Zaidín

Professional category: Becario predoctoral FPI

Start-End date: 1988 - 1991

8 **Employing entity:** Estación Experimental del **Type of entity:** State agency Zaidín

Professional category: Becario Colaboración MEC

Start-End date: 1985 - 1987



Education

University education

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

University degree: Higher degree
Name of qualification: Licenciado Ciencias Biológicas
City degree awarding entity: Granada, Andalusia, Spain
Degree awarding entity: Universidad de Granada
Date of qualification: 1987
Prize: Special award for degree

Doctorates

Doctorate programme: Ciencias Biológicas
Degree awarding entity: Universidad de Granada
City degree awarding entity: Granada, Andalusia, Spain
Date of degree: 1993
Thesis title: ESTUDIO DE ALGUNAS CARACTERISTICAS DE LOS PLASMIDOS NO SIMBIOTICOS DE RHIZOBIUM MELILOTI GR4. ANALISIS GENETICO-MOLECULAR DE LA PRODUCCION DE MELANINA LIGADA AL PRMEGR4B Y DE LA ESTABILIDAD Y REPLICACION DEL PRMEGR4A
Thesis director: José Olivares Pascual
Obtained qualification: Apto cum laude
Special doctorate award: Yes **Date of award:** 1993

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English		C1	C1	C1	C1

Teaching experience

Experience supervising doctoral thesis and/or final year projects

- Project title:** Biological control and endophytism of the olive root bacterium pseudomonas fluorescens PICF7
Type of project: Doctoral thesis
Entity: Universidad de Córdoba **Type of entity:** University
City of entity: Córdoba (IAS-CSIC), Spain
Student: María de las Mercedes Maldonado González
Obtained qualification: Sobresaliente "cum laude"
Date of reading: 25/09/2015



- 2** **Project title:** Diversidad genética en poblaciones de *Verticillium dahliae* de distintas plantas huésped determinada mediante análisis de AFLPs y de secuencias génicas
Type of project: Doctoral thesis
Entity: Universidad de Córdoba **Type of entity:** University
City of entity: Córdoba, Andalusia, Spain
Student: Melania Collado Romero
Obtained qualification: Sobresaliente cum laude por unanimidad
Date of reading: 09/02/2006
- 3** **Project title:** Diagnóstico molecular mediante PCR (polymerase chain reaction) de los patotipos defoliante y no defoliante de *Verticillium dahliae* en plantas de diferentes cultivares de olivo (*Olea europaea* L.)
Type of project: End of course project
Entity: Universidad de Córdoba **Type of entity:** University
City of entity: Córdoba, Andalusia, Spain
Student: Salud Parrilla Araujo
Obtained qualification: Sobresaliente
Date of reading: 04/05/2001

Teaching experience in courses and seminars for university teacher training

- 1** **Name of the event:** Profesor del Módulo I: Olivicultura (Plagas y Enfermedades del Olivo) del "Máster Universitario en Olivar, Aceite de Oliva y Salud"
City organizing entity: Jaén, Andalusia, Spain
Organising entity: Universidad de Jaén **Type of entity:** University
Hours of teaching: 8 **Teaching language:** Spanish
Teaching date: 03/2014
- 2** **Name of the event:** Curso de verano "Los retos del sector oleícola en el nuevo contexto europeo"
City organizing entity: Baeza, Andalusia, Spain
Organising entity: Universidad Internacional de Andalucía **Type of entity:** University
Hours of teaching: 1
Teaching date: 09/2006
Type of participation: Participatory - oral communication
- 3** **Name of the event:** "Control de plagas y enfermedades del olivar. Desarrollo de nuevos métodos no contaminantes", del Programa de Doctorado "Aceite de oliva y olivar"
City organizing entity: Jaén, Andalusia, Spain
Organising entity: Universidad de Jaén **Type of entity:** University
Hours of teaching: 4
Teaching date: 2005
- 4** **Name of the event:** "Protección de cultivos y biotecnología", del Programa de Doctorado "Protección de Cultivos"
City organizing entity: Córdoba, Andalusia, Spain
Organising entity: Universidad de Córdoba **Type of entity:** University
Teaching language: Spanish
Teaching date: 1999



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:** BioLink: Linking Belowground Biodiversity And Ecosystem Function In European Forests
Name principal investigator (PI, Co-PI....): Coordinador: Dr. Martin Lukac (UK); Dr. Jesús Mercado Blanco (MC member representative from Spain)
Nº of researchers: 30
Funding entity or bodies:
COST Action FP1305
Start-End date: 2014 - 2018 **Duration:** 4 years
Participating entity/entities: 30
- 2 Name of the project:** Pseudomonas spp. efectivas en el biocontrol de la Verticilosis del olivo: bases de su endofitismo, efectos sobre la planta y microbiota asociada, rango de colonización y aplicaciones prácticas
Name principal investigator (PI, Co-PI....): Dr. Jesús Mercado Blanco
Nº of researchers: 10
Funding entity or bodies:
AGR 667

Junta de Andalucía. Proyectos de Promoción General del Conocimiento y Proyectos Motrices e Innovación. Convocatoria 2012
Start-End date: 2014 - 2018 **Duration:** 4 years
Participating entity/entities: Bioilíberis R&D; IAS (CSIC)
Total amount: 189.894
- 3 Name of the project:** Proyecto RECUPERA 2020; Línea: Verticilosis del olivo (VO): desarrollo de bioformulaciones efectivas e identificación de nuevos agentes de control biológico
Name principal investigator (PI, Co-PI....): Responsable Proyecto: Dr. Angel Caballero, Vicepresidente Adjunto de Transferencia (VATC) del CSIC; IP de la línea: Dr. Jesús Mercado Blanco
Nº of researchers: 40
Funding entity or bodies:
MINECO y CSIC
Start-End date: 12/2013 - 12/2015 **Duration:** 2 years
Participating entity/entities: CSIC (diversos Institutos andaluces; incluido el IAS)
Total amount: 210.000
- 4 Name of the project:** Manipulación cromosómica de especies silvestres afines de trigo para estudios de meiosis y mejora genética
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Dr. Pilar Prieto Aranda
Nº of researchers: 7
Funding entity or bodies:



MINECO AGL2012-33264

Start-End date: 2013 - 2015**Duration:** 3 years**Participating entity/entities:** IAS(CSIC); Universidad de Córdoba; UTAD (Portugal)**Total amount:** 80.000

- 5 Name of the project:** Desarrollo de biomarcadores para el análisis del estado fitosanitario del olivar mediante control biológico de la verticilosis en la provincia de Jaén-subproyecto I
Name principal investigator (PI, Co-PI....): Dr. Juan Bautista Barroso Albarracín (UJA); Jesús Mercado Blanco (IP grupo IAS)

Nº of researchers: 12**Funding entity or bodies:**

Convocatoria Proyectos de Excelencia 2010 AGR-6038

Start-End date: 2011 - 2015**Duration:** 4 years**Participating entity/entities:** IAS(CSIC); UJA; USE**Total amount:** 290.928,44

- 6 Name of the project:** Estudio transcriptómico dirigido al desarrollo de un kit diagnóstico para detección precoz de las principales enfermedades en olivar causadas por patógenos del suelo
Name principal investigator (PI, Co-PI....): Dr. Francisco Luque Vázquez (UJA); Jesús Mercado Blanco (IP grupo IAS)

Nº of researchers: 9**Funding entity or bodies:**

Convocatoria Proyectos de Excelencia 2010 AGR-5948

Start-End date: 2011 - 2014**Duration:** 4 years**Participating entity/entities:** IAS(CSIC); UJA**Total amount:** 225.283,43

- 7 Name of the project:** Virulencia diferencial y detección cuantitativa de variantes patogénicas de *Verticillium dahliae* en diversos huéspedes susceptibles e identificación de genes del patógeno implicados en la interacción.

Name principal investigator (PI, Co-PI....): Jesús Mercado Blanco**Nº of researchers:** 1**Funding entity or bodies:**

CSIC (Proyecto Intramural Especial)

Start-End date: 2006 - 2007**Duration:** 1 year**Participating entity/entities:** CSIC**Total amount:** 30.000

- 8 Name of the project:** Diversidad genética en

Geographical area: National**City of entity:** es de *Verticillium dahliae* y detección cuantitativa de sus variantes patogénicas en genotipos resistentes y tolerantes de sus huéspedes,**Name principal investigator (PI, Co-PI....):** Jesús Mercado Blanco**Nº of researchers:** 3**Funding entity or bodies:**

CICYT AGL2003-00503

Start-End date: 2004 - 2006**Duration:** 3 years**Participating entity/entities:** CSIC**Total amount:** 192.700



- 9** **Name of the project:** Control biológico de la Verticilosis de olivo, causada por los patotipos defoliante y no defoliante de *Verticillium dahliae*, en plantaciones establecidas.
Name principal investigator (PI, Co-PI....): Prof. Rafael M. Jiménez Díaz
Nº of researchers: 5
Funding entity or bodies:
CAO 00-017
Start-End date: 2000 - 2004
Total amount: 21.910.000
- 10** **Name of the project:** Verticillium wilt in tree species; developing essential elements for integrated and innovative management strategies.
Name principal investigator (PI, Co-PI....): Prof. Rafael M. Jiménez Díaz
Nº of researchers: 4
Funding entity or bodies:
QLRT-CT99-1523 (LIFE/99/0174)
UE
Start-End date: 2000 - 2004
Total amount: 191.438
- 11** **Name of the project:** Mejora de la sanidad y de la tecnología de la propagación en la producción viverística de olivo.
Name principal investigator (PI, Co-PI....): Prof. Rafael M. Jiménez Díaz
Nº of researchers: 7
Funding entity or bodies:
1FD97.0763-CO3-01
Comisión Interministerial de Ciencia y Tecnología **Type of entity:** Body, others
Start-End date: 1999 - 2001
Total amount: 33.458.000
- 12** **Name of the project:** Estudio de las bases fisiológicas, bioquímicas y genéticas de la simbiosis Rhizobium-leguminosa dirigido al incremento de la fijación de nitrógeno.
Entity where project took place: Estación Experimental del Zaidín **Type of entity:** State agency
City of entity: Granada, Andalusia, Spain
Nº of researchers: 5
Start-End date: 1987 - 1989
- 13** **Name of the project:** Verticilosis del olivo: bases moleculares de tolerancia natural y de resistencia inducida por bacterias
Name principal investigator (PI, Co-PI....): Jesús Mercado Blanco
Nº of researchers: 3
Funding entity or bodies:
CICYT AGL2009-07275
Start date: 2009 **Duration:** 3 years
Participating entity/entities: CSIC; Universidad de Utrecht
Total amount: 72.640



- 14** **Name of the project:** Generation of genomic tools in olive and application to the analysis of fruit and oil quality and agronomical traits
Name principal investigator (PI, Co-PI....): Victoriano Valpuesta (Coordinador); Francisco Luque (IP del grupo UJA donde está adscrito J. Mercado)
Nº of researchers: 9
Funding entity or bodies:
Fundación Genoma España
Start date: 2008 **Duration:** 3 years
Participating entity/entities: CSIC; IFAPA; UJA; Universidad Autónoma de Madrid
Total amount: 290.000
- 15** **Name of the project:** Identificación de los mecanismos implicados en el control de la Verticilosis del olivo por cepas de Pseudomonas spp. colonizadoras naturales de raíces de olivo.
Name principal investigator (PI, Co-PI....): Jesús Mercado Blanco
Nº of researchers: 7
Funding entity or bodies:
Convocatoria Proyectos de Excelencia P07-CVI-02624 (2008-2012)
Junta de Andalucía
Start date: 2008 **Duration:** 4 years
Participating entity/entities: IAS-CSIC; Universidad de Córdoba; UJA
Total amount: 441.608
- 16** **Name of the project:** Marcadores moleculares asociados a variantes patogénicas de Fusarium oxysporum f. sp. dianthi. detección de infecciones en material de propagación y cuantificación del inóculo en suelo.
Name principal investigator (PI, Co-PI....): Encarnación Pérez Artés
Nº of researchers: 2
Funding entity or bodies:
CICYT AGL2006-03252
Start date: 2006 **Duration:** 3 years
Participating entity/entities: CSIC
Total amount: 105.633
- 17** **Name of the project:** Mejora genética del olivo con énfasis en la resistencia a Verticilosis y en nuevas técnicas
Name principal investigator (PI, Co-PI....): Luis Rallo Romero
Nº of researchers: 15
Funding entity or bodies:
Incentivos a Proyectos de Investigación de Excelencia AGR 649
Junta de Andalucía
Start date: 2006 **Duration:** 3 years
Participating entity/entities: IAS-CSIC; Universidad de Córdoba
Total amount: 130.000
- 18** **Name of the project:** Desarrollo de bioformulaciones eficientes del Trichoderma frente a la Verticilosis del olivo.
Name principal investigator (PI, Co-PI....): Juan Bautista Barroso (Coord. Universidad de Jaén); Jesús Mercado Blanco (IP del grupo IAS)
Nº of researchers: 15
Funding entity or bodies:



Junta de Andalucía

Start date: 2005

Duration: 3 years

Participating entity/entities: Fundación Citoliva; IAS-CSIC; Nutesca S.L.; Universidad de Jaén; Universidad de Sevilla

Total amount: 197.504

- 19 Name of the project:** Control biológico de la Verticilosis: caracterización y aplicación de antagonistas. Acciones integradas Hispano-Alemanas

Name principal investigator (PI, Co-PI....): Rafael M. Jiménez Díaz

Nº of researchers: 8

Funding entity or bodies:

Comisión Interministerial de Ciencia y Tecnología **Type of entity:** Body, others

Start date: 2004

Participating entity/entities: Universidad de Córdoba; Universidad de Rostock

Total amount: 9.900

- 20 Name of the project:** Verticilosis del olivo: Desarrollo de elementos clave para el control de la enfermedad mediante genotipos de Olea europea resistentes.

Name principal investigator (PI, Co-PI....): Rafael M. Jiménez Díaz

Nº of researchers: 7

Funding entity or bodies:

Fundación Ramón Areces

Start date: 2004

Participating entity/entities: Universidad de Córdoba; Universidad de Salamanca

Total amount: 120.000

- 21 Name of the project:** Epidemiología de la Verticilosis de cultivos extensivos de melón y sandía en Andalucía.

Name principal investigator (PI, Co-PI....): Prof. Rafael M. Jiménez Díaz

Nº of researchers: 4

Funding entity or bodies:

CICYT AGL2000-1444-CO2-01

Start date: 2000

Duration: 3 years

Total amount: 14.980.000

- 22 Name of the project:** Utilización de marcadores moleculares para el diagnóstico rápido y específico de verticilosis (*Verticillium dahliae*) en viveros de olivo.

Name principal investigator (PI, Co-PI....): Prof. Rafael M. Jiménez Díaz

Nº of researchers: 7

Funding entity or bodies:

Comisión Interministerial de Ciencia y Tecnología **Type of entity:** Body, others

OLI96-2131

Start date: 1997

Total amount: 16.790.000

- 23 Name of the project:** Caracterización de hongos fitopatogénicos, y de sus variantes patogénicas, mediante RAPD-PCR, y aplicación a su diagnóstico en planta y en suelo.

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Dra. Encarnación Pérez Artés



Nº of researchers: 3

Funding entity or bodies:

AGF95-0012

Comisión Interministerial de Ciencia y Tecnología

Type of entity: Body, others

Start date: 1995

Total amount: 6.000.094

24 Name of the project: Molecular-genetic analysis of factors from non-pathogenic bacteria in the rhizosphere of plants that induce resistance to pathogens.

Name principal investigator (PI, Co-PI....): Dr. Jesús Mercado Blanco

Nº of researchers: 1

Funding entity or bodies:

contract ERBCHBICT941786

UE, HCM program

City funding entity: Utrecht, Holland

Start date: 1995

Participating entity/entities: Universidad de Utrecht

Total amount: 96.101

Dedication regime: Full time

25 Name of the project: Estudio genético-molecular de la asociación Rhizobium-leguminosa dirigido al incremento de la eficiencia y a la extensión de la fijación simbiótica de nitrógeno.

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Prof. José Olivares Pascual

Nº of researchers: 5

Funding entity or bodies:

CICYT BIO90-0747

Start date: 1991

Participating entity/entities: CSIC

Total amount: 15.900.000

26 Name of the project: Molecular basis of signalling in Rhizobium meliloti-Medicago interactions and genetic improvement of nodulation ability.

Name principal investigator (PI, Co-PI....): Prof. José Olivares Pascual

Nº of researchers: 6

Funding entity or bodies:

BRIDGE CE BIOT-0159-C

Start date: 1991

Duration: 2 years

Participating entity/entities: CSIC

Total amount: 180.000

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

- 1** **Name of the project:** Contrato de apoyo tecnológico entre la Agencia Estatal Consejo Superior de Investigaciones Científicas y la Universidad de Jaén
Degree of contribution: Contrato CSIC-UJA
Name principal investigator (PI, Co-PI....): Jesús Mercado Blanco (CSIC); Francisco Luqsue (UJA)
Nº of researchers: 4
Participating entity/entities: CSIC; UJA
Funding entity or bodies:
Nutesca S.L.
Start date: 2014
- 2** **Name of the project:** CONVENIO DE COLABORACION ENTRE EL MINISTERIO DE ECONOMIA Y COMPETITIVIDAD Y LA AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS PARA EL PROYECTO RECUPERA 2020
Degree of contribution: Convenio MINECO-CSIC
Name principal investigator (PI, Co-PI....): De la línea (Jesús Mercado Blanco)
Nº of researchers: 40
Participating entity/entities: CSIC (diversos institutos; incluido el IAS)
Funding entity or bodies:
Ministerio de Economía y competitividad (MINECO)
Start date: 12/2013 **Duration:** 1 year
Total amount: 25.000.000
- 3** **Name of the project:** Desarrollo de biomarcadores para el análisis del estado fitosanitario del olivar mediante control biológico de la verticilosis en la provincia de Jaén-subproyecto I
Degree of contribution: Convenio UJA - IAS(CSIC)
Name principal investigator (PI, Co-PI....): Dr. Juan Bautista Barroso Albarracín (UJA); Jesús Mercado Blanco (IP grupo IAS)
Nº of researchers: 12
Participating entity/entities: IAS(CSIC); UJA; USE
Funding entity or bodies:
Junta de Andalucía
Start date: 2011 **Duration:** 4 years
Total amount: 290.928,44
- 4** **Name of the project:** Estudio transcriptómico dirigido al desarrollo de un kit diagnóstico para detección precoz de las principales enfermedades en olivar causadas por patógenos del suelo
Degree of contribution: Convenio UJA - IAS(CSIC)
Name principal investigator (PI, Co-PI....): Dr. Francisco Luque Vázquez (UJA); Jesús Mercado Blanco (IP grupo IAS)
Nº of researchers: 9
Participating entity/entities: IAS(CSIC); UJA
Funding entity or bodies:
Junta de Andalucía
Start date: 2011 **Duration:** 4 years
Total amount: 225.283,43



- 5 Name of the project:** Desarrollo de bioformulaciones eficientes del Trichoderma frente a la Verticilosis del olivo.
- Degree of contribution:** S.
- Name principal investigator (PI, Co-PI....):** Juan Bautista Barroso (Coord. Universidad de Jaén); Jesús Mercado Blanco (IP del grupo IAS)
- Nº of researchers:** 15
- Participating entity/entities:** Fundación Citoliva; IAS-CSIC; Nutesca S.L.; Universidad de Jaén; Universidad de Sevilla
- Funding entity or bodies:** Incentivo Junta de Andalucía y Nutesca S.L.
- Start date:** 2005 **Duration:** 3 years
- Total amount:** 197.504

Results

Industrial and intellectual property

- 1 Title registered industrial property:** 2 Cepa de Trichoderma útil para el tratamiento y/o prevención de infecciones provocadas por microorganismos fitopatógenos
- Inventors/authors/obtainers:** Juan Bautista Barroso Albarracín; Alfonso Carreras Egaña; Raquel Valderrama Rodríguez; Mounira Chaki; Juan Carlos Begara Morales; Jesús Mercado Blanco; Encarnación Pérez Artés; Ana María Rincón Romero; Antonio Carballo Codón; Tahía Benítez Fernández; Antonio Valverde Corredor; Felipe Guevara Peoza; María Jesús Rodríguez palero; Rafael Dueñas Sánchez; Jesús Fierro Risco; Antonio Alejandro López García.
- Entity holder of rights:** Universidad de Jaén, CSIC, Universidad de Sevilla, Fundación Citoliva, Nutesca, S.L.
- Nº of application:** P201130606
- Country of inscription:** Spain
- Date of register:** 15/04/2011
- Conferral date:** 04/04/2014
- Companies:** Nutesca; S.L.
- 2 Title registered industrial property:** 3 Cepa de Trichoderma útil para el tratamiento y/o prevención de infecciones provocadas por hongos pertenecientes al género Verticillium
- Inventors/authors/obtainers:** Juan Bautista Barroso Albarracín; Alfonso Carreras Egaña; Raquel Valderrama Rodríguez; Mounira Chaki; Juan Carlos Begara Morales; Jesús Mercado Blanco; Encarnación Pérez Artés; Ana María Rincón Romero; Antonio Carballo Codón; Tahía Benítez Fernández; Antonio Valverde Corredor; Felipe Guevara Peoza; María Jesús Rodríguez palero; Rafael Dueñas Sánchez; Jesús Fierro Risco; Antonio Alejandro López García.
- Entity holder of rights:** Universidad de Jaén, CSIC, Universidad de Sevilla, Fundación Citoliva, Nutesca, S.L.
- Nº of application:** P201130607
- Country of inscription:** Spain
- Date of register:** 15/04/2011
- Conferral date:** 04/04/2014
- Companies:** Nutesca; S.L.
- 3 Title registered industrial property:** 4 Cepa de Trichoderma útil para el tratamiento y/o prevención de infecciones provocadas por hongos pertenecientes al género Verticillium
- Inventors/authors/obtainers:** Juan Bautista Barroso Albarracín; Alfonso Carreras Egaña; Raquel Valderrama Rodríguez; Mounira Chaki; Juan Carlos Begara Morales; Jesús Mercado Blanco; Encarnación



Pérez Artés; Ana María Rincón Romero; Antonio Carballo Codón; Tahía Benítez Fernández; Antonio Valverde Corredor; Felipe Guevara Peoza; María Jesús Rodríguez palero; Rafael Dueñas Sánchez; Jesús Fierro Risco; Antonio Alejandro López García.

Entity holder of rights: Universidad de Jaén, CSIC, Universidad de Sevilla, Fundación Citoliva, Nutesca, S.L.

Nº of application: P201130608

Country of inscription: Spain

Date of register: 15/04/2011

Conferral date: 04/04/2014

Companies: Nutesca; S.L.

4 Title registered industrial property: 5 Cepa de Trichoderma útil para el tratamiento y/o prevención de infecciones provocadas por hongos pertenecientes al género Verticillium

Inventors/authors/obtainers: Juan Bautista Barroso Albarracín; Alfonso Carreras Egaña; Raquel Valderrama Rodríguez; Mounira Chaki; Juan Carlos Begara Morales; Jesús Mercado Blanco; Encarnación Pérez Artés; Ana María Rincón Romero; Antonio Carballo Codón; Tahía Benítez Fernández; Antonio Valverde Corredor; Felipe Guevara Peoza; María Jesús Rodríguez palero; Rafael Dueñas Sánchez; Jesús Fierro Risco; Antonio Alejandro López García.

Entity holder of rights: Universidad de Jaén, CSIC, Universidad de Sevilla, Fundación Citoliva, Nutesca, S.L.

Nº of application: P201130609

Country of inscription: Spain

Date of register: 15/04/2011

Conferral date: 04/04/2014

Companies: Nutesca; S.L.

5 Title registered industrial property: Cepa de Trichoderma útil para el tratamiento y/o prevención de infecciones provocadas por microorganismos fitopatógenos

Inventors/authors/obtainers: Juan Bautista Barroso Albarracín; Alfonso Carreras Egaña; Raquel Valderrama Rodríguez; Mounira Chaki; Juan Carlos Begara Morales; Jesús Mercado Blanco; Encarnación Pérez Artés; Ana María Rincón Romero; Antonio Carballo Codón; Tahía Benítez Fernández; Antonio Valverde Corredor; Felipe Guevara Peoza; María Jesús Rodríguez palero; Rafael Dueñas Sánchez; Jesús Fierro Risco; Antonio Alejandro López García.

Entity holder of rights: Universidad de Jaén, CSIC, Universidad de Sevilla, Fundación Citoliva, Nutesca, S.L.

Nº of application: P201130605

Country of inscription: Spain

Date of register: 15/04/2011

Conferral date: 04/04/2014

Companies: Nutesca; S.L.

6 Title registered industrial property: Método para el diagnóstico de Verticilosis en el olivo

Inventors/authors/obtainers: Francisco Luque Vázquez; Juan Bautista Barroso Albarracín; María de la O Leyva Pérez; Jesús Mercado Blanco

Entity holder of rights: Universidad de Jaén, CSIC

Nº of application: P201331633

Country of inscription: Spain

Date of register: 08/11/2013

7 Title registered industrial property: Método para la detección de los patotipos defoliante y no defoliante de Verticillium dahliae en plantas susceptibles de ser infectadas por dicho patógeno basado en la reacción en cadena de la polimerasa secuencial

Type of industrial property: Patent of invention



Inventors/authors/obtainers: Jesús Mercado Blanco; Dolores Rodríguez Jurado; Encarnación Pérez Artés; Rafael M. Jiménez Díaz

Entity holder of rights: Universidad de Córdoba, Newbiotechnic SA

N° of application: P200101240

Country of inscription: Spain

Date of register: 29/05/2001

Spanish patent: Yes

EU patent: Yes

International non-EU patent: Yes

Companies: Newbiotechnic SA

- 8 Title registered industrial property:** Procedimiento para la producción de melanina en células de la cepa comercial DH5 α de Escherichia coli a partir de la expresión en las mismas del gen estructural de la enzima tirosinasa

Inventors/authors/obtainers: Jesús Mercado Blanco y José Olivares Pascual

Entity holder of rights: Consejo Superior de Investigaciones Científicas

N° of application: 9301289

Country of inscription: Spain

Date of register: 10/1995

Scientific and technological activities

Scientific production

H index: 23

Date of application: 05/10/2015

Publications, scientific and technical documents

- 1** Carmen Gómez-Lama Cabanás; Elisabetta Schilirò; Antonio Valverde Corredor; Jesús Mercado Blanco. Systemic responses in a tolerant olive (*Olea europaea* L.) cultivar upon root colonization by the vascular pathogen *Verticillium dahliae*. *Frontiers in Microbiology*. 6, pp. 628. 2015.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
Impact source: ISI **Category:** Microbiology
Impact index in year of publication: **Journal in the top 25%:** Yes
- 2** Ruano-Rosa, D.; Valverde-Corredor, A.; Gómez-Lama Cabanás, C.; Sesmero-Carrasco, R.; Mercado-Blanco, J. Caracterización de nuevos agentes de control biológico bacterianos efectivos frente a *Verticillium dahliae* y otros patógenos de interés en el olivar. *El Aceite de Oliva. Actas Simposio Expoliva 2015*. 2015. ISBN 978-84-938900-5-6
Type of production: Scientific paper
- 3** Martínez-García, P.M.; Ruano-Rosa, D.; Schilirò, E.; Prieto, P.; Ramos, C.; Rodríguez-Palenzuela, P.; Mercado-Blanco, J. Complete genome sequence of *Pseudomonas fluorescens* strain PICF7, an indigenous root endophyte from olive (*Olea europaea* L.) and effective biocontrol agent against *Verticillium dahliae*. *Standards in Genomic Sciences*. 10, pp. 10. (United States of America): 2015. ISSN 1944-3277
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** GENETICS & HEREDITY

**Impact source:** ISI**Category:** MICROBIOLOGY

- 4** Leyva-Pérez, M.O.; Valverde-Corredor, A.; Valderrama, R.; Jiménez-Ruiz, J.; Muñoz-Merida, A.; Trelles, O.; Barroso, J.B.; Mercado-Blanco, J.; Luque, F. Early and delayed long-term transcriptional changes and short-term transient responses during cold acclimation in olive leaves. *DNA Research*. 22 - 1, pp. 1 - 11. (United Kingdom): 2015. ISSN 1340-2838

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Category:** GENETICS & HEREDITY**Impact index in year of publication:****Journal in the top 25%:** Yes**Position of publication:** 27**No. of journals in the cat.:** 165

- 5** Maldonado-González, M.M.; Schilirò, E.; Prieto, P.; Mercado-Blanco, J. Endophytic colonization and biocontrol performance of *Pseudomonas fluorescens* PICF7 in olive (*Olea europaea* L.) are determined neither by pyoverdine production nor swimming motility. *Environmental Microbiology*. 17 - 9, pp. 3139 - 3153. (United States of America): 2015. ISSN 1462-2912

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Category:** MICROBIOLOGY**Impact index in year of publication:****Journal in the top 25%:** Yes**Position of publication:** 13**No. of journals in the cat.:** 119

- 6** Gómez-Lama Cabanás, C.; Schilirò, E.; Valverde-Corredor, A.; Mercado-Blanco, J. The biocontrol endophytic bacterium *Pseudomonas fluorescens* PICF7 induces systemic defense responses in aerial tissues upon colonization of olive roots. *Frontiers in Microbiology*. 5, pp. 427. (Switzerland): 2014. ISSN 1664-302X

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Category:** MICROBIOLOGY**Impact index in year of publication:** 3,941**Journal in the top 25%:** Yes**Position of publication:** 25**No. of journals in the cat.:** 119

- 7** Moradi, A.; Almasi, M.A.; Jafary, H.; Mercado-Blanco, J. A novel and rapid loop-mediated isothermal amplification assay for the specific detection of *Verticillium dahliae*. *Journal of Applied Microbiology*. 116, pp. 942 - 954. (United States of America): 2014. ISSN 1364-5072

Type of production: Scientific paper**Impact source:** ISI**Category:** BIOTECHNOLOGY & APPLIED MICROBIOLOGY**Impact source:** ISI**Category:** MICROBIOLOGY

- 8** Mercado-Blanco, J.J.; Lugtenberg, B.J.J. Biotechnological applications of bacterial endophytes. *Current Biotechnology*. 3, pp. 60 - 75. *Emiratos Árabes* 2014. ISSN 2211-551X

Type of production: Scientific paper**Format:** Journal

- 9** Bakker, P.A.H.M.; Ran, L.X.; Mercado-Blanco, J. Rhizobacterial salicylate production provokes headaches!. *Plant and Soil*. 382, pp. 1 - 16. (Holland): 2014. ISSN 0032-079X

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Category:** SOIL SCIENCE**Impact index in year of publication:****Journal in the top 25%:** Yes**Position of publication:** 3**No. of journals in the cat.:** 34**Impact source:** ISI**Category:** PLANT SCIENCES



Impact index in year of publication:
Position of publication: 32

Impact source: ISI
Impact index in year of publication:
Position of publication: 5

Journal in the top 25%: Yes
No. of journals in the cat.: 199

Category: AGRONOMY
Journal in the top 25%: Yes
No. of journals in the cat.: 79

- 10** Maldonado-González, M.M.; Prieto, P.; Ramos, C.; Mercado-Blanco, J. From the root to the stem: interaction between the biocontrol root endophyte *Pseudomonas fluorescens* PICF7 and the pathogen *Pseudomonas savastanoi* NCPPB 3335 in olive knots. *Microbial Biotechnology*. 6, pp. 275 - 287. (United States of America): 2013. ISSN 1751-7907

Type of production: Scientific paper
Impact source: ISI

Impact index in year of publication: 3,023

Impact source: ISI
Impact index in year of publication: 3,023

Format: Journal

Category: BIOTECHNOLOGY & APPLIED MICROBIOLOGY

Category: MICROBIOLOGY

- 11** Schiliro, E.; Ferrara, M.; Nigro, F.; Mercado-Blanco, J. Genetic responses induced in olive roots upon colonization by the biocontrol endophytic bacterium *Pseudomonas fluorescens* PICF7. *PLoS ONE*. 7 - 11, pp. e48646. (United States of America): 2012. ISSN 1932-6203

Type of production: Scientific paper
Impact source: ISI

Impact index in year of publication: 3,730
Position of publication: 8

Format: Journal

Category: MULTIDISCIPLINARY SCIENCES

Journal in the top 25%: Yes
No. of journals in the cat.: 55

- 12** Mercado-Blanco, J.; Prieto, P. Bacterial endophytes and root hairs. *Plant and Soil*. 361, pp. 301 - 306. (Holland): 2012. ISSN 0032-079X

Type of production: Scientific paper
Impact source: ISI

Impact index in year of publication: 2,638
Position of publication: 3

Impact source: ISI
Impact index in year of publication: 2,638
Position of publication: 32

Impact source: ISI
Impact index in year of publication: 2,638
Position of publication: 5

Format: Journal

Category: SOIL SCIENCE

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

Category: PLANT SCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 199

Category: AGRONOMY
Journal in the top 25%: Yes
No. of journals in the cat.: 79

- 13** Lopez-Escudero, F.J.; Roca, J.M.; Valverde-Corredor, A.; Mercado-Blanco, J.J. Correlation between virulence and morphological characteristics of microsclerotia of *Verticillium dahliae* isolates infecting olive. *Journal of Phytopathology*. 160, pp. 431 - 433. (United States of America): 2012. ISSN 0931-1785

Type of production: Scientific paper
Impact source: ISI

Impact index in year of publication: 1,000

Format: Journal

Category: PLANT SCIENCES

- 14** Djavaheri, M.; Mercado-Blanco, J.; Versluis, C.; Meyer, J.M.; van loon, L.C.; Bakker, P.A.H.M. Iron-regulated metabolites produced by *Pseudomonas fluorescens* WCS374 are not required for eliciting induced systemic resistance against *Pseudomonas syringae* pv. tomato in *Arabidopsis*. *MicrobiologyOpen*. 1, pp. 311 - 325. (United States of America): 2012. ISSN 2045-8827
Type of production: Scientific paper
Impact source: ISI
Format: Journal
Category: MICROBIOLOGY
- 15** Maldonado-González, M.M.; Bakker, P.A.H.M.; Mercado-Blanco, J. Use of *Arabidopsis thaliana* to study mechanisms of control of *Verticillium* wilt by *Pseudomonas fluorescens* PICF7. *Communications in agricultural and applied biological sciences*. 77 - 3, pp. 23 - 28. (Belgium): 2012. ISSN 1379-1176
Type of production: Scientific paper
Format: Journal
- 16** Mercado-Blanco, J.; López-Escudero, F.J. *Verticillium* wilt of olive and its control: The heat is on. *Plant and Soil*. 355, pp. 17 - 21. (Holland): 2012. ISSN 0032-079X
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 2,638
Position of publication: 3
Format: Journal
Category: SOIL SCIENCE
Journal in the top 25%: Yes
No. of journals in the cat.: 34
Impact source: ISI
Impact index in year of publication: 2,638
Position of publication: 32
Category: PLANT SCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 199
Impact source: ISI
Impact index in year of publication: 2,638
Position of publication: 5
Category: AGRONOMY
Journal in the top 25%: Yes
No. of journals in the cat.: 79
- 17** Prieto, P.; Schiliro, E.; Maldonado-González, M.M.; Valderrama, R.; Barroso-Albarracín, J.B.; Mercado-Blanco, J. Root hairs play a key role in the endophytic colonization of olive roots by *Pseudomonas* spp. with biocontrol activity. *Microbial Ecology*. 62, pp. 435 - 445. (United States of America): 2011. ISSN 0095-3628
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 2,912
Position of publication: 9
Format: Journal
Category: MARINE & FRESHWATER BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 103
Impact source: ISI
Impact index in year of publication: 2,912
Category: ECOLOGY
Impact source: ISI
Impact index in year of publication: 2,912
Category: MICROBIOLOGY
- Relevant results:** Artículo evaluado e indexado en Faculty of 1000 <http://f1000.com/prime/10213957> DOI: 10.3410/f.10213957.11004055 This interesting study describes the early steps of olive root colonisation by *Pseudomonas* spp. Roots of olive seedlings were bacterized with two endophytic *Pseudomonas* strains, separately or together. Some of the bacteria entered the roots. They were found in root hairs, but only a very low number of root hairs were colonized. The way bacteria enter roots has never been answered conclusively. From this paper, the aspects relevant for application are i) that some of the applied bacteria enter the root and may be better protected against competition by non-biocontrol bacteria in the endophytic stage rather than in the rhizospheric stage, and ii) the fact that root hair numbers are affected by many environmental factors. Worth noting is that only a small portion of the root hairs are colonized -- can it be an artefact? Alternatively, these endophytic bacteria may only be able to enter a small fraction of the root hairs because, for example, they have specific properties, such as small damages. Biological control is much more favoured than chemical control because it is environmentally friendly. There was no competition between the strains in colonization of the internal part of the root hairs. Root colonization in woody plants has hardly been studied.



- 18** López-Escudero, F.J.; Mercado-Blanco, J. Verticillium wilt of olive: a case study to implement an integrated strategy to control a soil-borne pathogen. *Plant and Soil*. 344, pp. 1 - 50. (Holland): 2011. ISSN 0032-079X
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** SOIL SCIENCE
Impact index in year of publication: 2,733 **Journal in the top 25%:** Yes
Position of publication: 3 **No. of journals in the cat.:** 34
Impact source: ISI **Category:** PLANT SCIENCES
Impact index in year of publication: 2,733 **Journal in the top 25%:** Yes
Position of publication: 32 **No. of journals in the cat.:** 199
Impact source: ISI **Category:** AGRONOMY
Impact index in year of publication: 2,733 **Journal in the top 25%:** Yes
Position of publication: 5 **No. of journals in the cat.:** 79
Source of citations: WOS **Citations:** 31
- 19** Trapero, C.; Birem, F.; Abho-Sheker, F.M.; Caballero, J.; Mercado Blanco, J.; Del Rio, C.; Trapero, A.; Martos-Moreno, C.; Raya-Ortega, M.C.; Arquero, O.; Serrano, N.; Molina, M.; Alcántara, E.; Muñoz-Díez, C.; Rallo, L.; Barranco, D.; Roca, L.; Moral, J.; Blanco-López, M.A.; López-Escudero, F.J. Avances en la Resistencia del olivo a la verticilosis causada por *Verticillium dahliae*. *Vida Rural*. 316, pp. 36 - 44. (Spain): 2010.
Type of production: Scientific paper **Format:** Journal
- 20** Collado-Romero, M.; Jiménez-Díaz, R.M.; Mercado-Blanco, J. DNA sequence analysis of conserved genes reveals hybridization events that increase genetic diversity in *Verticillium dahliae*. *Fungal Biology*. 114, pp. 209 - 218. (United Kingdom): 2010. ISSN 1878-6146
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** MICROLOGY
Position of publication: 10 **No. of journals in the cat.:** 23
- 21** García-Limones, C.; Mercado-Blanco, J.; Jorge, I. Protein identification and quantification by mass spectrometry-based analysis: applications in plant-pathogen interactions studies. *Current Proteomics*. 7, pp. 234 - 243. (United Arab Emirates): 2010. ISSN 1570-1646
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** BIOCHEMICAL RESEARCH METHODS
Impact source: ISI **Category:** BIOCHEMISTRY & MOLECULAR BIOLOGY
- 22** Dervis, S.; Mercado-Blanco, J.; Erten, L.; Valverde-Corredor, A.; Pérez-Artés, E.; E. Verticillium wilt of olive in Turkey: a survey on disease importance, pathogen diversity and susceptibility of relevant olive cultivars. *European Journal of Plant Pathology*. 127, pp. 287 - 301. (Holland): 2010. ISSN 0929-1873
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** HORTICULTURE
Impact index in year of publication: 1,575 **Journal in the top 25%:** Yes
Position of publication: 6 **No. of journals in the cat.:** 33
Impact source: ISI **Category:** AGRONOMY
Impact index in year of publication: 1,575
Impact source: ISI **Category:** PLANT SCIENCES
Impact index in year of publication: 1,575



- 23** López-Escudero, F.J.; Mercado-Blanco, J.; Roca, J.M.; Valverde-Corredor, A.; Blanco-López, M.A. Verticillium wilt of olive in the Guadalquivir Valley (southern Spain): relations with some agronomical factors and spread of Verticillium dahliae. *Phytopathologia Mediterranea*. 49, pp. 370 - 380. (Italy): 2010. ISSN 0031-9465
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
- 24** Collado-Romero, M.; Berbegal, M.; Jiménez-Díaz, R.M.; Armengol, J.; Mercado Blanco, J.A PCR-based “molecular tool box” for in planta differential detection of Verticillium dahliae vegetative compatibility groups infecting artichoke. *Plant Pathology*. 58, pp. 515 - 526. (United Kingdom): 2009. ISSN 0032-0862
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** PLANT SCIENCES
Impact index in year of publication: 2,368 **Journal in the top 25%:** Yes
Position of publication: 37 **No. of journals in the cat.:** 199
Impact source: ISI **Category:** AGRONOMY
Impact index in year of publication: 2,368 **Journal in the top 25%:** Yes
Position of publication: 7 **No. of journals in the cat.:** 79
- 25** Prieto, P.; Navarro-Raya, C.; Valverde-Corredor, A.; Amyotte, S.G.; Dobinson, K.F.; Mercado-Blanco, J. Colonization process of olive tissues by Verticillium dahliae and its in planta interaction with the biocontrol root endophyte Pseudomonas fluorescens PICF7. *Microbial Biotechnology*. 2, pp. 499 - 511. (United States of America): 2009.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** MICROBIOLOGY
Position of publication: 40 **No. of journals in the cat.:** 119
- 26** Prieto, P.; Mercado-Blanco, J. Endophytic colonisation of olive roots by the biocontrol strain Pseudomonas fluorescens PICF7. *FEMS Microbiology Ecology*. 64, pp. 297 - 306. (United States of America): 2008. ISSN 0168-6496
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** MICROBIOLOGY
Impact index in year of publication: **Journal in the top 25%:** Yes
Position of publication: 26 **No. of journals in the cat.:** 119
- 27** Collado-Romero, M.; Mercado-Blanco, J.; Olivares-García, C.; Jiménez-Díaz, R.M. Phylogenetic analysis of Verticillium dahliae vegetative compatibility groups. *Phytopathology*. 98, pp. 1019 - 1028. (United States of America): 2008. ISSN 0031-949X
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** PLANT SCIENCES
Impact index in year of publication: **Journal in the top 25%:** Yes
Position of publication: 44 **No. of journals in the cat.:** 1.999
- 28** Navas-Cortés, J.A.; Landa, B.B.; Mercado-Blanco, J.; Trapero-Casas, J.L.; Rodríguez-Jurado, D.; Jiménez-Díaz, R.M. Spatiotemporal Analysis of Spread of Infections by Verticillium dahliae Pathotypes Within a High Tree-Density Olive Orchard in Southern Spain. *Phytopathology*. 98, pp. 167 - 180. (United States of America): 2008. ISSN 0031-949X
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** PLANT SCIENCES



Impact index in year of publication:
Position of publication: 44

Journal in the top 25%: Yes
No. of journals in the cat.: 1.999

- 29** Mercado Blanco, J. Técnicas de diagnóstico de la verticilosis del olivo. Mercacei Magazine. 56, pp. 204 - 206. (Spain): 2008.
Type of production: Scientific paper **Format:** Journal
- 30** Korolev, N.; Pérez-Artés, E.; Mercado-Blanco, J.; Bejarano-Alcázar, J.; Rodríguez-Jurado, D.; Jiménez-Díaz, R.M.; Katan, T.; Katan, J. Vegetative compatibility of cotton defoliating *Verticillium dahliae* in Israel and its pathogenicity to various hosts. European Journal of Plant Pathology. 122, pp. 603 - 617. (Holland): 2008. ISSN 0929-1873
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** HORTICULTURE
Impact index in year of publication: **Journal in the top 25%:** Yes
Position of publication: 6 **No. of journals in the cat.:** 33
- 31** Mercado-Blanco, J.; Bakker, P.A.H.M. Interactions between plants and beneficial *Pseudomonas* spp.: exploiting bacterial traits for crop protection. Antonie van Leeuwenhoek International Journal of General and Molecular Microbiology. 92, pp. 367 - 389. (Holland): 2007. ISSN 0003-6072
Type of production: Scientific paper **Category:** MICROBIOLOGY
Impact source: ISI **Journal in the top 25%:** No
Impact index in year of publication: **Citations:** 57
Source of citations: WOS
- 32** Collado-Romero, M.; Berbegal, M.; Mercado-Blanco, J.; Armengol, J.; García-Jiménez, J.; Jiménez-Díaz, R.M. Detection of *Verticillium dahliae* isolates differing in vegetative compatibility in infected artichoke plants by multiplex, nested PCR. Acta Horticulturae. 730, pp. 367 - 374. (Belgium): 2007.
Type of production: Scientific paper **Format:** Journal
- 33** Jiménez-Díaz, R.M.; Mercado-Blanco, J.; Olivares-García, C.; Collado-Romero, M.; Bejarano-Alcázar, J.; Rodríguez-Jurado, D.; Giménez-Jaime, A.; García-Jiménez, J.; Armengol, J. Genetic and Virulence Diversity in *Verticillium dahliae* Populations Infecting Artichoke in Eastern-Central Spain. Phytopathology. 96, pp. 288 - 298. (United States of America): 2006. ISSN 0031-949X
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** PLANT SCIENCES
Impact index in year of publication: **Journal in the top 25%:** Yes
Position of publication: 44 **No. of journals in the cat.:** 199
- 34** Collado-Romero, M.; Mercado-Blanco, J.; Olivares-García, C.; Valverde-Corredor, A.; Jiménez-Díaz, R.M. Molecular variability within and among *Verticillium dahliae* vegetative compatibility groups determined by fluorescent AFLP and PCR markers. Phytopathology. 96, pp. 485 - 495. (United States of America): 2006. ISSN 0031-949X
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** PLANT SCIENCES
Impact index in year of publication: **Journal in the top 25%:** Yes
Position of publication: 44 **No. of journals in the cat.:** 199
- 35** Mercado-Blanco, J.; Collado-Romero, M.; Rodríguez-Jurado, D.; Jiménez-Díaz, R.M. Aplicación de técnicas moleculares para determinar la incidencia y extensión de la colonización de plantas de olivo por los patotipos de *Verticillium dahliae*. OLIVAE. 104, pp. 36 - 45. (Spain): 2005.

**Type of production:** Scientific paper**Format:** Journal

- 36** Collins, A.; Mercado-Blanco, J.; Jiménez-Díaz R.M.; Olivares, C.; Clewes, E.; Barbara, D.J. Correlation of molecular markers and biological properties in *Verticillium dahliae* and the possible origins of some isolates. *Plant Pathology*. 54, pp. 549 - 557. (United Kingdom): 2005. ISSN 0032-0862

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Category:** PLANT SCIENCES**Impact index in year of publication:****Journal in the top 25%:** Yes**Position of publication:** 37**No. of journals in the cat.:** 199**Impact source:** ISI**Category:** AGRONOMY**Impact index in year of publication:****Journal in the top 25%:** Yes**Position of publication:** 7**No. of journals in the cat.:** 79

- 37** Pérez-Artés, E.; Mercado-Blanco, J.; Ruz-Carrillo, A.R.; Rodríguez-Jurado, D.; Jiménez-Díaz, R.M.; R.M. Detection of the defoliating and nondefoliating pathotypes of *Verticillium dahliae* in artificial and natural soils by nested PCR. *Plant and Soil*. 268, pp. 349 - 356. (Holland): 2005. ISSN 0032-079X

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Category:** SOIL SCIENCE**Impact index in year of publication:****Journal in the top 25%:** Yes**Position of publication:** 3**No. of journals in the cat.:** 34**Impact source:** ISI**Category:** PLANT SCIENCES**Impact index in year of publication:****Journal in the top 25%:** Yes**Position of publication:** 32**No. of journals in the cat.:** 199**Impact source:** ISI**Category:** AGRONOMY**Impact index in year of publication:****Journal in the top 25%:** Yes**Position of publication:** 5**No. of journals in the cat.:** 79

- 38** Mercado-Blanco, J.; Rodríguez-Jurado, D.; Hervás, A.; Jiménez-Díaz, R.M. Suppression of *Verticillium* wilt in olive planting stocks by root-associated fluorescent *Pseudomonas* spp. *Biological Control*. 30, pp. 474 - 486. (United States of America): 2004. ISSN 1049-9644

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Category:** ENTOMOLOGY**Impact index in year of publication:****Journal in the top 25%:** Yes**Position of publication:** 15**No. of journals in the cat.:** 90**Source of citations:** WOS**Citations:** 47

- 39** Olivares-García, C.; Collado-Romero, M.; Mercado-Blanco, J.; Pérez-Artés, E.; Giménez-Jaime, A.; Armengol, J.; García-Jiménez, J.; Jiménez-Díaz, R.M. Genetic and pathogenic characterization of *Verticillium dahliae* infecting artichoke in the Valencia region of Eastern Spain. *Acta Horticulturae*. 660, pp. 491 - 495. (Belgium): 2004.

Type of production: Scientific paper**Format:** Journal

- 40** Mercado-Blanco, J.; Rodríguez-Jurado, D.; Parrilla-Araujo, S.; Jiménez-Díaz, R.M. Simultaneous detection of the defoliating and nondefoliating *Verticillium dahliae* pathotypes in infected olive plants by duplex, nested polymerase chain reaction. *Plant Disease*. 87, pp. 1487 - 1494. (United States of America): 2003. ISSN 0191-2917

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Category:** PLANT SCIENCES**Impact index in year of publication:****Journal in the top 25%:** Yes

Source of citations: WOS

Citations: 46

- 41** Mercado Blanco, J.; Rodríguez Jurado, D.; Collado Romero, M.; Jiménez Díaz, R.M. Caracterización molecular de las infecciones de olivo por los patotipos defoliante y no-defoliante de *Verticillium dahliae*. *Fruticultura Profesional*. 136, pp. 81 - 87. (Spain): 2003.
Type of production: Scientific paper **Format:** Journal
- 42** Pérez Artés, E.; Ruz Carrillo, A.R.; Mercado-Blanco, J.; Jiménez Díaz, R.M. Diagnóstico molecular de patógenos fúngicos en suelo. *Phytoma*. 149, pp. 26 - 32. (Spain): 2003.
Type of production: Scientific paper **Format:** Journal
- 43** Jiménez Díaz, R.M.; Rodríguez Jurado, D.; Navas Cortés, J.A.; Mercado Blanco, J.; Trapero Casas, J.L. Estrategias de control de la Verticilosis del Olivo. *Vida Rural*. 176, pp. 36 - 40. (Spain): 2003.
Type of production: Scientific paper **Format:** Journal
- 44** Mercado-Blanco, J.; Collado-Romero, M.; Parrilla-Araujo, S.; Rodríguez-Jurado; Jiménez-Díaz, R.M.; R.M. Quantitative monitoring of colonization of olive genotypes by *Verticillium dahliae* pathotypes with real-time polymerase chain reaction. *Physiological and Molecular Plant Pathology*. 63, pp. 91 - 105. (United Kingdom): 2003. ISSN 0885-5765
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** PLANT SCIENCES
- 45** Jiménez Díaz, R.M.; Castillo Castillo, P.; Jiménez Gasco, M.M.; Mercado Blanco, J.; Navas Cortés, J.A.; Pérez Artés, E.; Rodríguez Jurado, D.; Landa del Castillo, B.B.; Bejarano Alcázar, J. Sanidad vegetal y profesión fitopatológica en las formas de agricultura en el siglo XXI. *Phytoma*. 148, pp. 16 - 27. (Spain): 2003.
Type of production: Scientific paper **Format:** Journal
- 46** Mercado-Blanco, J.; Rodríguez-Jurado, D.; Pérez-Artés, E.; Jiménez-Díaz, R.M. Detection of the defoliating pathotype of *Verticillium dahliae* in infected olive plants by nested-PCR. *European Journal of Plant Pathology*. 108, pp. 1 - 13. (Holland): 2002. ISSN 0929-1873
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** HORTICULTURE
Impact index in year of publication: **Journal in the top 25%:** Yes
Position of publication: 6 **No. of journals in the cat.:** 33
- 47** Mercado Blanco, J.; Rodríguez Jurado, D.; Parrilla Araujo, S.; Pérez Artés, E.; Jiménez Díaz, R.M. Diagnóstico molecular de la infección de cultivares de olivo por los patotipos defoliante y no defoliante de *Verticillium dahliae*. *Olivae*. 94, pp. 41 - 46. (Spain): COI, 2002.
Type of production: Scientific paper **Format:** Journal
- 48** Mercado-Blanco, J.; Rodríguez-Jurado, D.; Pérez-Artés, E.; Jiménez-Díaz, R.M. In planta-PCR detection of olive-defoliating and non-defoliating pathotypes of *Verticillium dahliae*. *Acta Horticulturae*. 586, pp. 757 - 760. (Belgium): 2002.
Type of production: Scientific paper **Format:** Journal
- 49** Mercado Blanco, J.; Rodríguez Jurado, D.; Parrilla Araujo, S.; Pérez Artés, E.; Jiménez Díaz, R.M. Nuevo procedimiento para el diagnóstico de Verticilosis. *Vida Rural*. 149, pp. 36 - 40. (Spain): 2002.
Type of production: Scientific paper **Format:** Journal



- 50** Bakker, P.A.H.M.; Mercado-Blanco, J.; Ran, L.X.; van der Sluis, I.; van Loon, L.C. Productie van salicylzuur en pseudomonine en onderdrukking van plantenziekten door *Pseudomonas fluorescens* WCS374. Gewasbescherming. 33 - 4, pp. 138. (Holland): 2002.
Type of production: Scientific paper **Format:** Journal
- 51** Mercado Blanco, J.; Rodríguez Jurado, D.; Hervás Vargas, A.; Tejedor González, E.; Jiménez Díaz, R.M. *Pseudomonas* spp. asociadas a raíces de olivo controlan eficientemente la verticilosis del olivo. Phytoma. 144, pp. 103 - 106. (Spain): 2002.
Type of production: Scientific paper **Format:** Journal
- 52** Jiménez Díaz, R.M.; Pérez Artés, E.; Mercado Blanco, J.; Rodríguez Jurado, D.; Bejarano Alcázar, J. Utilización de marcadores moleculares para el diagnóstico rápido y específico de Verticilosis (*Verticillium dahliae*) en viveros de olivo. Mercader. 30, pp. 192 - 194. (Spain): 2002.
Type of production: Scientific paper **Format:** Journal
- 53** Mercado-Blanco, J.; van der Drift, K.M.G.M.; Olsson, P.E.; Thomas-Oates, J.E.; van Loon, L.C.; Bakker, P.A.H.M. Analysis of the pmsCEAB gene cluster involved in the biosynthesis of salicylic acid and the siderophore pseudomonine in the biocontrol strain *Pseudomonas fluorescens* WCS374. Journal of Bacteriology. 183, pp. 1909 - 1920. (United States of America): 2001. ISSN 0021-9193
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** MICROBIOLOGY
Source of citations: WOS **Citations:** 58
- 54** Mercado-Blanco, J.; Rodríguez-Jurado, D.; Pérez-Artés, E.; Jiménez-Díaz, R.M. Detection of the nondefoliating pathotype of *Verticillium dahliae* in infected olive plants by nested PCR. Plant Pathology. 50, pp. 609 - 619. (United Kingdom): 2001. ISSN 0032-0862
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** AGRONOMY
Impact index in year of publication: **Journal in the top 25%:** Yes
Position of publication: 7 **No. of journals in the cat.:** 79
- 55** Verberne, M.C.; Verpoorte, R.; Bol, J.F.; Mercado-Blanco, J.; Linthorst, H.J.M. Overproduction of salicylic acid in plants by bacterial transgenes enhances pathogen resistance. Nature Biotechnology. 18, pp. 779 - 783. (United States of America): 2000. ISSN 1087-0156
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** BIOTECHNOLOGY & APPLIED MICROBIOLOGY
Impact index in year of publication: **Journal in the top 25%:** Yes
Position of publication: 1 **No. of journals in the cat.:** 165
Source of citations: WOS **Citations:** 103
- 56** Mercado-Blanco, J.; Toro, N. Plasmids in rhizobia: the role of non-symbiotic plasmids. Molecular Plant-Microbe Interactions. 9, pp. 535 - 545. (United States of America): 1996. ISSN 0894-0282
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** BIOCHEMISTRY & MOLECULAR BIOLOGY
Impact index in year of publication: **Journal in the top 25%:** Yes
Impact source: ISI **Category:** BIOTECHNOLOGY & APPLIED MICROBIOLOGY
Impact index in year of publication: **Journal in the top 25%:** Yes

**Impact source:** ISI**Impact index in year of publication:****Source of citations:** WOS**Category:** PLANT SCIENCES**Journal in the top 25%:** Yes**Citations:** 47

- 57** Mercado-Blanco, J.; Olivares, J.A protein involved in stabilization of a large non-symbiotic plasmid of *Rhizobium meliloti* shows homology to eukaryotic cytoskeletal proteins and DNA-binding proteins. *Gene*. 139, pp. 133 - 134. (Holland): 1994. ISSN 0378-1119

Type of production: Scientific paper**Impact source:** ISI**Format:** Journal**Category:** GENETICS & HEREDITY

- 58** Soto, M.J.; Zorzano, A.; García-Rodríguez, F.; Mercado-Blanco, J.; López-Lara, I.M.; Olivares, J.; Toro, N. Identification of a novel *Rhizobium meliloti* nodulation efficiency nfe gene homolog of *Agrobacterium ornithine cyclodeaminase*. *Molecular Plant-Microbe Interactions*. 7, pp. 703 - 707. (United States of America): 1994. ISSN 0894-0282

Type of production: Scientific paper**Impact source:** ISI**Impact index in year of publication:****Impact source:** ISI**Impact index in year of publication:****Impact source:** ISI**Impact index in year of publication:****Format:** Journal**Category:** BIOCHEMISTRY & MOLECULAR BIOLOGY**Journal in the top 25%:** Yes**Category:** BIOTECHNOLOGY & APPLIED MICROBIOLOGY**Journal in the top 25%:** Yes**Category:** PLANT SCIENCES**Journal in the top 25%:** Yes

- 59** Mercado-Blanco, J.; Olivares, J. The large nonsymbiotic plasmid pRmeGR4a of *Rhizobium meliloti* GR4 encodes a protein involved in replication that has homology with RepC proteins of *Agrobacterium* plasmids. *Plasmid*. 32, pp. 75 - 79. (United States of America): 1994. ISSN 0147-619X

Type of production: Scientific paper**Impact source:** ISI**Format:** Journal**Category:** GENETICS & HEREDITY

- 60** Mercado-Blanco, J.; García, F.; Fernández-López, M.; Olivares, J. Melanin production by *Rhizobium meliloti* GR4 is linked to nonsymbiotic plasmid pRmeGR4b: cloning, sequencing, and expression of the tyrosinase gene mepA. *Journal of Bacteriology*. 175, pp. 5403 - 5410. (United States of America): 1993. ISSN 0021-9193

Type of production: Scientific paper**Impact source:** ISI**Source of citations:** WOS**Format:** Journal**Category:** MICROBIOLOGY**Citations:** 52

- 61** Soto, M.J.; Zorzano, A.; Mercado-Blanco, J.; Lepek, V.; Olivares, J.; Toro, N. Nucleotide sequence and characterization of *Rhizobium meliloti* nodulation competitiveness genes nfe. *Journal of Molecular Biology*. 229, pp. 570 - 576. (United Kingdom): 1993. ISSN 0022-2836

Type of production: Scientific paper**Impact source:** ISI**Format:** Journal**Category:** BIOCHEMISTRY & MOLECULAR BIOLOGY

- 62** Mercado-Blanco, J.; Olivares, J. Stability and transmissibility of the cryptic plasmids of *Rhizobium meliloti* GR4: their possible use in the construction of cloning vectors for rhizobia. *Archives of Microbiology*. 160, pp. 477 - 485. (United States of America): 1993. ISSN 0302-8933

Type of production: Scientific paper**Format:** Journal

**Impact source:** ISI**Category:** MICROBIOLOGY

- 63** Monza, J.; Sanjuán, J.; Mercado, J. Caracterización y eliminación de plásmidos en cepas nativas de *Rhizobium loti*. *Fac. Agrom. Bol. Invest. Uruguay*. 15, pp. 1 - 8. Uruguay 1988.
Type of production: Scientific paper **Format:** Journal
- 64** David Ruano Rosa; Jesús Mercado Blanco. Combining Biocontrol Agents and Organics Amendments to Manage Soil-Borne Phytopathogens. *Organic Amendments and Soil Suppressiveness in Plant Disease Management*, Meghvansi, Mukesh K., Varma, Ajit (Eds.). Volume 46 - Series Soil Biology, pp. 457 - 478. (Switzerland): Springer International Publishing, 11/2015. Available on-line at: <http://link.springer.com/chapter/10.1007/978-3-319-23075-7_22>. ISBN 978-3-319-23074-0
DOI: 10.1007/978-3-319-23075-7_22
Type of production: Book chapter **Format:** Book
Position of signature: 2 **Degree of contribution:** Author or co-author of chapter in book
Total no. authors: 2 **Corresponding author:** Yes
- 65** Mercado-Blanco, J. Life of Microbes Inside the Plant. *Principles of Plant-Microbe Interactions: Microbes for Sustainable Agriculture* (Lugtenberg, B. ed.). Microbe Interactions, pp. 25 - 32. (Switzerland): Springer, 2015. ISBN 978-3-319-08574-6
Type of production: Book chapter **Format:** Book
- 66** Mercado-Blanco, J. *Pseudomonas* strains that exert biocontrol of plant pathogens. *Pseudomonas* vol. VII (Ramos, J.L., Goldberg, J., Filloux, A. eds.). pp. 121 - 172. (Holland): Springer, 2015. ISBN 978-94-017-9554-8
Type of production: Book chapter **Format:** Book
- 67** Mercado-Blanco, J.; Prieto, P. Endophytic lifestyle of biocontrol strains of *Pseudomonas* spp. in olive roots. *Molecular Microbial Ecology of the Rhizosphere* (de Bruijn F J, ed.). pp. 951 - 959. (United States of America): Wiley-Blackwell, 2013.
Type of production: Book chapter **Format:** Book
- 68** Mercado-Blanco, J. Biological control of *Verticillium* wilt of olive within an integrated disease management framework. *IOBC/wprs Bulletin "Integrated Protection of Olive Crops"* (D. Perdakis, P. Weintraub & A. Lucchi, eds.). 79, pp. 149 - 154. (France): IOBC/wprs, 2012.
Type of production: Book chapter **Format:** Book
- 69** Schiliró, E.; Ferrara, M.; Nigro, F.; Mercado-Blanco, J. Functional genomics analysis of the *Pseudomonas fluorescens* PICF7/*Olea europaea* interaction: identification of ESTs during olive roots colonization by an endophytic biocontrol bacteria. *IOBC/wprs Bulletin*. 71, pp. 129 - 133. (France): IOBC/wprs, 2011.
Type of production: Book chapter **Format:** Journal
- 70** Maldonado-González, M.M.; Bakker, P.A.H.M.; Mercado-Blanco, J. Involvement of induced systemic resistance in control of *Verticillium* wilt by fluorescent *Pseudomonas* spp. *IOBC/wprs Bulletin*. 71, pp. 73 - 76. (France): IOBC/wprs, 2011.
Type of production: Book chapter **Format:** Journal
- 71** Prieto, P.; Navarro-Raya, C.; Valverde-Corredor, A.; Amyotte, S.G.; Dobinson, K.F.; Mercado-Blanco, J. Monitoring the colonisation of olive tissues by *Verticillium dahliae* and its interaction with the beneficial root endophyte *Pseudomonas fluorescens* PICF7. *IOBC/wprs Bulletin*. 59, pp. 183 - 187. (France): IOBC/wprs, 2010.
Type of production: Book chapter **Format:** Journal



- 72** Djavaheri, M.; Mercado-Blanco, J.; Van Loon, L.C.; Bakker, P.A.H.M. Analysis of determinants of *Pseudomonas fluorescens* WCS374r involved in induced systemic resistance in *Arabidopsis thaliana*. IOBC/wprs Bulletin. 43, pp. 109 - 112. (France): IOBC/wprs, 2009.
Type of production: Book chapter **Format:** Journal
- 73** Müller, H.; Tejedor-González, E.; Mercado-Blanco, J.; Rodríguez-Jurado, D.; Jiménez-Díaz, R.M.; Berg, G. Effect of the biological control strain *Serratia plymuthica* HRO-C48 on *Verticillium* wilt of olive trees cv. Arbequina. IOBC/wprs Bulletin. 30 - 6, pp. 173 - 177. (France): IOBC/wprs, 2007.
Type of production: Book chapter **Format:** Book
- 74** Mercado Blanco, J.; Collado Romero, M.; Jiménez Díaz, R.M. Estimación de la diversidad genética en hongos fitopatógenos mediante herramientas moleculares. Herramientas biotecnológicas en fitopatología. pp. 167 - 188. España Mundi Prensa, 2007.
Type of production: Book chapter **Format:** Book
- 75** Djavaheri, M.; Mercado-Blanco, J.; van Loon, L.C.; Bakker, P.A.H.M. Role of iron-regulated metabolites in the colonization of the rhizosphere of *Arabidopsis* by *Pseudomonas fluorescens* WCS374. IOBC/wprs Bulletin. 29 - 2, pp. 17 - 20. (France): IOBC/wprs, 2006.
Type of production: Book chapter **Format:** Book
- 76** Mercado Blanco, J.; Rodríguez Jurado, D.; Hervás Vargas, A.; Jiménez Díaz, R.M. Control biológico de la Verticilosis en plántulas de olivo de vivero mediante *Pseudomonas* spp. Jornadas de Investigación y Transferencia de Tecnología al Sector Oleícola. pp. 159 - 163. (Spain): Dirección general de investigación y formación agraria y pesquera, Junta de Andalucía, 2002.
Type of production: Book chapter **Format:** Book
- 77** Mercado Blanco, J.; Rodríguez Jurado, D.; Parrilla Araujo, S.; Pérez Artés, E.; Jiménez Díaz, R.M. Diagnóstico molecular de los patotipos defoliante y no defoliante de *Verticillium dahliae* en plantas de olivo infectadas. Jornadas de Investigación y Transferencia de Tecnología al Sector Oleícola. pp. 165 - 169. Andalucía (Spain): Dirección general de investigación y formación agraria y pesquera, Junta de Andalucía, 2002.
Type of production: Book chapter **Format:** Book
- 78** Bakker, P.A.H.M.; Mercado-Blanco, J.; Ran, L.X.; van der Sluis, I.; van Loon, L.C. Production of salicylic acid and pseudomonine and suppression of disease by *Pseudomonas fluorescens* WCS374. IOBC/wprs Bulletin. 25 - 10, pp. 265 - 268. (France): IOBC/wprs, 2002.
Type of production: Book chapter **Format:** Book
- 79** Mercado-Blanco, J.; Olsson, P.E.; van der Sluis, I.; van der Drift, K.M.G.M.; Thomas-Oates, J.E.; van Loon, L.C.; Bakker, P.A.H.M. Analysis of a gene cluster involved in the biosynthesis of a new salicylic acid-based siderophore and its implication for the suppression of *Fusarium* wilt by *Pseudomonas fluorescens* WCS374. IOBC/wprs Bulletin. 21 - 9, pp. 35 - 40. (France): IOBC/wprs, 1998.
Type of production: Book chapter **Format:** Book
- 80** Mercado-Blanco, J.; Olsson, P.E.; van der Drift, K.M.G.M.; Thomas-Oates, J.E.; van Loon, L.C.; Bakker, P.A.H.M. Analysis of a gene cluster involved in the production of salicylic acid and a new siderophore in *Pseudomonas fluorescens* WCS374. Proceedings. pp. 355 - 357. Hokkaido (Japan): Hokkaido University, 1997.
Type of production: Book chapter **Format:** Book
- 81** Olivares, J.; Sanjuán, J.; Mercado-Blanco, J. Interacción molecular microbio-planta. Microbiología y Genética Molecular. pp. 257 - 274. Huelva (Spain): Universidad de Huelva, 1995.
Type of production: Book chapter **Format:** Book

- 82** Maldonado-González, M.M.; García-Carneros, A.; Prieto, P.; Lucena-Lucena, N.; Molinero-Ruiz, L.; Mercado-Blanco, J. Evaluation of *Pseudomonas fluorescens* PICF7 as potential biocontrol agent against *Plasmopara halstedii* in sunflower. Proceedings of the 18th International Sunflower Conference. pp. 262 - 267. Mar de Plata (Argentina): 2012.
Type of production: Proceedings **Format:** Book
- 83** Bakker, P.A.H.M.; Mercado-Blanco, J. The rhizosphere microbiota and plant health. Plant and Soil. Virtual Issue N° 2, (Holland): 2012. ISSN 0032-079X
Type of production: **Format:** Journal
<http://www.springer.com/life+sciences/agriculture?SGWID=0-10028-6-1375225-0>
Impact source: ISI **Category:** SOIL SCIENCE
Impact index in year of publication: **Journal in the top 25%:** Yes
Position of publication: 3 **No. of journals in the cat.:** 34
Impact source: ISI **Category:** PLANT SCIENCES
Impact index in year of publication: **Journal in the top 25%:** Yes
Position of publication: 32 **No. of journals in the cat.:** 199
Impact source: ISI **Category:** AGRONOMY
Impact index in year of publication: **Journal in the top 25%:** Yes
Position of publication: 5 **No. of journals in the cat.:** 79
- 84** Djavaheeri, M.; van Loon, L.C.; Mercado-Blanco, J.; Bakker, P.A.H.M. Impact of salicylic acid biosynthesis by PGPR strain WCS374r on induction of resistance in *Arabidopsis thaliana*. Proceedings 6th National Biotechnology Congress of Iran. pp. 4 pages. (Iran): 2009.
Type of production: Proceedings **Format:** Scientific and technical document or report
- 85** López-Escudero, F.J.; Estrada, P.; Mercado-Blanco, J.; Valverde-Corredor, A.; Blanco-López, M.A. Molecular detection of *Verticillium dahliae* in leaf petioles of olive cultivars showing different levels of resistance. Journal of Plant Pathology. 90 (S2), pp. 456. (Italy): 2008. ISSN 1125-4653
Type of production: Resumen **Format:** Journal
- 86** Rodríguez Jurado, D.; Jiménez Martínez, R.; Mercado Blanco, J.; Jiménez Díaz, R.M. Virulencia sobre plantones de olivo "Picual" de aislados de *Verticillium dahliae* que difieren en el patrón de marcadores moleculares. <http://www.expoliva.com/expoliva2007/simposium/menusimposio.asp>. España 2007.
Type of production: Publicación electrónica disponible en CD-ROM **Format:** Book
- 87** Bakker, P.A.H.M.; Djavaheeri, M.; Mercado-Blanco, J.; van Loon, L.C. Analysis of determinants of *Pseudomonas fluorescens* WCS374r involved in induced systemic resistance in *Arabidopsis thaliana*. Phytopathology. 97, pp. S7 - S7. (United States of America): 2007. ISSN 0031-949X
Type of production: Resumen **Format:** Journal
Impact source: ISI **Category:** PLANT SCIENCES
Impact index in year of publication: **Journal in the top 25%:** Yes
Position of publication: 44 **No. of journals in the cat.:** 199
- 88** Mercado Blanco, J.; Tejedor González, E.; Rodríguez Jurado, D.; Jiménez Díaz, R.M. Control biológico de la Verticilosis en plantones de olivo mediante aislados de *Pseudomonas* spp. <http://www.expoliva.com/expoliva2005/symposium>. Jaén (Spain): 2005.
Type of production: Publicación electrónica disponible en CD-ROM **Format:** Scientific and technical document or report



- 89** Mercado Blanco, J.; Collado Romero, M.; Rodríguez Jurado, D.; Jiménez Díaz, R.M. Incidencia y extensión de la infección de plantas de olivo por los patotipos defoliante y no-defoliante de *Verticillium dahliae* determinadas mediante técnicas moleculares. <http://www.expoliva.com/expoliva2005/simposium>. Jaén (Spain): 2005.
Type of production: Publicación electrónica disponible **Format:** Scientific and technical document or report en CD-ROM
- 90** Bakker, P.A.H.M.; Djavaheri, M.; Mercado-Blanco, J.; van Loon, L.C. Functional analysis of siderophore biosynthesis of *Pseudomonas fluorescens* WCS374. *Phytopathology*. 95, pp. S5. (United States of America): 2005. ISSN 0031-949X
Type of production: Resumen **Format:** Journal
Impact source: ISI **Category:** PLANT SCIENCES
Impact index in year of publication: **Journal in the top 25%:** Yes
Position of publication: 44 **No. of journals in the cat.:** 199
- 91** Djavaheri, M.; Ran, L.X.; Mercado-Blanco, J.; van Loon, L.C.; Bakker, P.A.H.M. Functionale analyse van genen betrokken bij de biosynthese van salicylzuur door *Pseudomonas fluorescens* WCS374. *Gewasbescherming*. 36 (Supplement), pp. 85 S. (Holland): 2005.
Type of production: Resumen **Format:** Journal
- 92** Pérez-Artés, E.; Ruz-Carrillo, A.R.; Mercado Blanco, J.; Jiménez-Díaz, R.M. Detection of the defoliating and nondefoliating pathotypes of *Verticillium dahliae* in soil by nested-PCR. *Phytopathologia Mediterranea*. 42, pp. 296. Italia (Italy): 2003. ISSN 0031-9465
Type of production: Resumen **Format:** Journal
Impact source: ISI **Category:** AGRONOMY
- 93** Collado-Romero, M.; Mercado-Blanco, J.; Olivares-García, C.; Giménez-Jaime, A.; Armengol, J.; García-Jiménez, J.; Jiménez-Díaz, R.M. *Verticillium dahliae* detection in artificially and naturally infected artichoke plants by duplex, nested-PCR. *Phytopathologia Mediterranea*. 42, pp. 296. (Italy): 2003. ISSN 0031-9465
Type of production: Resumen **Format:** Journal
Impact source: ISI **Category:** AGRONOMY
- 94** Mercado-Blanco, J.; Olsson, P.E.; van der Sluis, I.; van der Drift, K.M.G.M.; Thomas-Oates, J.E.; van Loon, L.C.; and Bakker, P.A.H.M. Involvement of a new salicylic acid based siderophore in suppression of *Fusarium* wilt by *Pseudomonas fluorescens* WCS374. *Acta Botanica Neerlandica*. 46, pp. 329. (Holland): 1997.
Type of production: Resumen **Format:** Journal
- 95** Bakker, P.A.H.M.; Leeman, M.; Duijff, B.J.; Mercado-Blanco, J.; Olsson, P.E.; van Pelt, J.A.; Schippers, B.; van Loon, L.C. Bacterial determinants involved in induction of systemic resistance against *Fusarium* wilt in carnation and radish. *Acta Botanica Neerlandica*. 44, pp. 487. 1995.
Type of production: Resumen **Format:** Journal
- 96** Mercado-Blanco, J.; Olivares, J. Genetic analysis of the oriV region of a large plasmid of *Rhizobium meliloti* GR4. *New Horizons in Nitrogen Fixation* (R. Palacios, J. Mora, and W.E. Newton eds.). pp. 631. Kluwer Academic Publishers, 1993.
Type of production: Resumen **Format:** Book
- 97** Soto, M.J.; Zorzano, A.; Mercado-Blanco, J.; Lepek, V.; Olivares, J.; Toro, N. Nucleotide sequence and characterization of *Rhizobium meliloti* nodulation competitiveness genes nfe. *New Horizons in Nitrogen Fixation* (R. Palacios, J. Mora, and W.E. Newton eds.). pp. 651. Kluwer Academic Publishers, 1993.
Type of production: Resumen **Format:** Book

Works submitted to national or international conferences

- 1** **Title of the work:** Agro-biotechnological potential of endophytic bacteria
Name of the conference: International Scientific Congress "Soil and food, resources for a healthy life"
Corresponding author: Yes
City of event: Iasi, Romania
Date of event: 22/10/2015
End date: 24/10/2015
Jesús Mercado Blanco. "Agro-biotechnological potential of endophytic bacteria".
- 2** **Title of the work:** Un gen del tipo 'Plant Natriuretic Peptide' como marcador de la infección por *Verticillium dahliae* del olivo cultivado
Name of the conference: XL Congreso de la Sociedad Española de Genética
City of event: Córdoba, Spain
Date of event: 16/09/2015
End date: 18/09/2015
Leyva Pérez, M. de la O; Schilirò, E.; Jiménez Ruiz, J.; Gómez-Lama Cabanás, C.; Barroso Albarracín, J.B.; Mercado Blanco, J.; Luque Vázquez, F.
- 3** **Title of the work:** Potencial agrobiotecnológico de endófitos bacterianos
Name of the conference: XXV Congreso Nacional de Microbiología
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - invited/keynote talk **Reasons for participation:** Upon invitation
Corresponding author: Yes
City of event: Logroño, Spain
Date of event: 07/07/2015
End date: 10/07/2015
Mercado-Blanco, J. "Avances en Microbiología".
- 4** **Title of the work:** Respuestas defnesivas sistémicas en olivo a la infección por el hongo fitopatógeno *Verticillium dahliae*
Name of the conference: XXV Congreso Nacional de Microbiología
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication **Reasons for participation:** Open access
Corresponding author: Yes
City of event: Logroño, Spain
Date of event: 07/07/2015
End date: 10/07/2015
Gómez-Lama Cabanás, C.; Schilirò, E.; Valverde-Corredor, A.; Mercado-Blanco, J. "Avances en Microbiología".
- 5** **Title of the work:** Genomic analysis of two *Pseudomonas* spp. strains displaying endophytic lifestyle in olive roots and effective biological control of *Verticillium dahliae*
Name of the conference: 7th IOBC/WPRS Symposium Integrated Protection of Olive Crops
City of event: Kalamata, Greece
Date of event: 11/05/2015
End date: 14/05/2015
Organising entity: IOBC



Martínez-García, P.M.; Ruano-Rosa, D.; Schilirò, E.; Gómez-Lama Cabanás, C.; Ramos, C.; Rodríguez-Palenzuela, P.; Mercado-Blanco, J.

- 6** **Title of the work:** Potential of indigenous bacteria from the olive rhizosphere as biological control agents against a broad range of phytopathogens
Name of the conference: 7th IOBC/WPRS Symposium Integrated Protection of Olive Crops
City of event: Kalamata, Greece
Date of event: 11/05/2015
End date: 14/05/2015
Organising entity: IOBC
Ruano-Rosa, D.; Valverde-Corredor, A.; Gómez-Lama Cabanás, C.; Sesmero, R.; Mercado-Blanco, J.
- 7** **Title of the work:** Caracterización de nuevos agentes de control biológico bacterianos efectivos frente a *Verticillium dahliae* y otros patógenos de interés en el olivar
Name of the conference: XVII Simposio Científico-Técnico EXPOLIVA
City of event: Jaén, Spain
Date of event: 06/05/2015
End date: 08/05/2015
Ruano-Rosa, D.; Valverde-Corredor, A.; Gómez-Lama Cabanás, C.; Sesmero Carrasco, R.; Mercado-Blanco, J. "El Aceite de Oliva. Actas Simposio Expoliva 2015".
- 8** **Title of the work:** The tripartite interaction olive-*Pseudomonas fluorescens* PICF7-*Verticillium dahliae* as study system to unravel biocontrol performance of an endophytic bacterium and plant genetic responses to root colonization
Name of the conference: COST Action FP1305 'BioLink' meeting: Belowground biodiversity in changing environment
Corresponding author: Yes
City of event: Cracovia, Poland
Date of event: 17/03/2015
End date: 19/03/2015
Gómez-Lama Cabanás, C.; Maldonado-González, M.M.; Ruano-Rosa, D.; Sesmero, R.; Valverde-Corredor, A.; Mercado-Blanco, J.
- 9** **Title of the work:** Análisis transcriptómico de respuestas a la colonización de raíces por el agente de biocontrol endofítico *Pseudomonas fluorescens* PICF7 en tejidos de olivo
Name of the conference: VI Reunión del Grupo Especializado SEM - Microbiología de Plantas MiP'15
City of event: Miraflores de la Sierra (Madrid), Spain
Date of event: 11/03/2015
End date: 13/03/2015
Gómez-Lama Cabanás, C.; Schilirò, E.; Ferrara, M.; Valverde-Corredor, A.; Nigro, F.; Mercado-Blanco, J.
- 10** **Title of the work:** Identificación y caracterización de bacterias de la rizosfera de olivo con potencial como agentes de control biológico de amplio espectro
Name of the conference: VI Reunión del Grupo Especializado SEM - Microbiología de Plantas MiP'15
City of event: Miraflores de la Sierra (Madrid), Spain
Date of event: 11/03/2015
End date: 13/03/2015
Ruano-Rosa, D.; Valverde-Corredor, A.; Gómez-Lama Cabanás, C.; Mercado-Blanco, J.
- 11** **Title of the work:** Análisis de los genomas de dos cepas de *Pseudomonas* spp. endófitas naturales de raíces de olivo (*Olea europaea* L.) y eficaces agentes de control biológico de la Verticilosis
Name of the conference: XVII Congreso de la Sociedad Española de Fitopatología



Type of event: Conference **Geographical area:** National

Type of participation: Participatory - oral communication

City of event: Lérida, Spain

Date of event: 10/2014

Martínez-García, P.M.; Schilirò, E.; Gómez-Lama, C.; Ruano-Rosa, D.; Rodríguez-Palenzuela, P.; Mercado-Blanco, J. "Libro de resúmenes del congreso".

12 Title of the work: Análisis transcriptómico de la interacción planta-patógeno durante la infección por *Verticillium dahliae* de raíces de olivo cultivado (*Olea europaea* L. var. Picual)

Name of the conference: XVII Congreso de la Sociedad Española de Fitopatología

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

City of event: Lérida, Spain

Date of event: 10/2014

Jiménez-Ruiz, J.; Leyva-Pérez, M.O.; Schilirò, E.; Barroso, J.B.; Mercado-Blanco, J.; Bombarely, A.; Mueller, L.; Luque, F. "Libro de resúmenes del congreso".

13 Title of the work: El agente de biocontrol endofítico *Pseudomonas fluorescens* PICF7 induce respuestas de defensa sistémicas en tejidos aéreos al colonizar raíces de olivo

Name of the conference: XVII Congreso de la Sociedad Española de Fitopatología

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

City of event: Lérida, Spain

Date of event: 10/2014

Gómez-Lama, C.; Schilirò, E.; Valverde-Corredor, A.; Mercado-Blanco, J. "Libro de resúmenes del congreso".

14 Title of the work: Lo que la raíz esconde: caracterización de nuevos agentes de biocontrol bacterianos frente a la verticlosis del olivo

Name of the conference: XVII Congreso de la Sociedad Española de Fitopatología

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

City of event: Lérida, Spain

Date of event: 10/2014

Ruano-Rosa, D.; Valverde, A.; Gómez-Lama, C.; Mercado-Blanco, J. "Libro de resúmenes del congreso". 07/2010.

15 Title of the work: Optimal conditions for sporangia formation and germination of *Plasmopara viticola*

Name of the conference: XVII Congreso de la Sociedad Española de Fitopatología

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

City of event: Lérida, Spain

Date of event: 10/2014

Li, H-P.; Wen, L.; Du, S-H.; Mercado-Blanco, J.; Ran, L-X. "Libro de resúmenes del congreso".

16 Title of the work: Suppression of grape powdery mildew by *Streptomyces* and *Pseudomonas* spp.

Name of the conference: XVII Congreso de la Sociedad Española de Fitopatología

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

City of event: Lérida, Spain

Date of event: 10/2014

Ran, L-X.; Du, X-L.; Du, S-H.; Li, H-P.; Zhen, Z-X.; Mercado-Blanco, J. "Libro de resúmenes del congreso".



- 17** **Title of the work:** Trichoderma harzianum como agente de control biológico frente a la Verticilosis del olivo
Name of the conference: XVII Congreso de la Sociedad Española de Fitopatología
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Lérida, Spain
Date of event: 10/2014
Barroso, J.B.; Rincón, A.M.; Chaki, M.; Carrera, A.; Pérez-Artés, E.; Valderrama, R.; Ruano-Rosa, D.; Prieto, P.; López-García, A.A.; Mercado-Blanco, J."Libro de resúmenes del congreso". 07/2010.
- 18** **Title of the work:** Biological control of Verticillium wilt of olive by Trichoderma harzianum
Name of the conference: XIII Meeting of the IOBC Working Group "Biological Control of Fungal and Bacterial Plant Pathogens"
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Uppsala, Sweden
Date of event: 06/2014
Rincón, A.M.; Chaki, M.; Fierro-Risco, J.; Valverde-Corredor, A.; Carreras, A.; Pérez-Artés, E.; Begara, J.C.; Valderrama, R.; Barroso, J.B.; Mercado-Blanco, J."Actas de las Jornadas". 2018.
- 19** **Title of the work:** The biocontrol endophytic bacterium Pseudomonas fluorescens PICF7 induces systemic defense responses in aerial tissues upon colonization of olive roots
Name of the conference: XIII Meeting of the IOBC Working Group "Biological Control of Fungal and Bacterial Plant Pathogens"
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
City of event: Uppsala, Sweden
Date of event: 06/2014
Gómez-Lama Cabanás, C.; Schilirò, E.; Valverde-Corredor, A.; Mercado-Blanco, J."Actas de las Jornadas y IOBC/wprs Bulletin". 2018.
- 20** **Title of the work:** Time course of early and long-term colonization events of olive (Olea europaea L.) roots by Trichoderma harzianum
Name of the conference: XIII Meeting of the IOBC Working Group "Biological Control of Fungal and Bacterial Plant Pathogens"
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Uppsala, Sweden
Date of event: 06/2014
Ruano-Rosa, D.; Rincón, A.M.; Valderrama, R.; Prieto, P.; Begara-Morales, J.C.; Gómez, M.V.; Mercado-Blanco, J.; Barroso, J.B."Actas de las Jornadas".
- 21** **Title of the work:** Un gen marcador de la infección por Verticillium dahliae del olivo cultivado (Olea europaea L.)
Name of the conference: XII Reunión de Biología Molecular de Plantas
Type of event: Workshop **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Cartagena, Spain
Date of event: 06/2014
Leyva-Pérez, M.O; Schilirò, E.; Jiménez-Ruiz, J.; Gómez-Lama Cabanás, C.; Barroso, J.B.; Mercado-Blanco, J.; Luque, F."Actas de las Jornadas". 11/2013.



- 22** **Title of the work:** Biological Control of Verticillium wilt of olive by Trichoderma harzianum
Name of the conference: 12th European Conference on Fungal Genetics
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
City of event: Sevilla, Spain
Date of event: 03/2014
Rincón, A.M.; Chaki, M.; Dueñas-Sánchez, R.; Valverde-Corredor, A.; Ruano-Rosa, D.; Begara, J.C.; Luque, F.; Barroso, J.B.; Mercado-Blanco, J. "Actas de las Jornadas".
- 23** **Title of the work:** La respuesta a estrés por frío en el olivo (*Olea europaea* L.) se produce mediante cambios transitorios de la expresión génica a la vez que por cambios adaptativos estables durante la persistencia del estrés
Name of the conference: XXXIX Congreso de la Sociedad Española de Genética
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Gerona, Spain
Date of event: 09/2013
M. de la O. Leyva-Pérez; A. Valverde-Corredor; J. Jiménez-Ruiz; A. Muñoz-Mérida; R. Valderrama; O. Trelles; J.B. Barroso-Albarracín; J. Mercado-Blanco; F. Luque-Vázquez. "Libro de resúmenes". 2020.
- 24** **Title of the work:** Respuesta a estrés por daño mecánico en raíces (*Olea europaea* L.)
Name of the conference: XXXIX Congreso de la Sociedad Española de Genética
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Gerona, Spain
Date of event: 09/2013
J. Jiménez-Ruiz; M. de la O Leyva-Pérez; E. Schilirò; J.B.Barroso-Albarracín; J. Mercado-Blanco; A. Bombarely; L. Mueller; F. Luque. "Libro de resúmenes". 2020.
- 25** **Title of the work:** Genetic responses induced in aerial olive tissues during the interaction in roots with the defoliating pathotype of *Verticillium dahliae*
Name of the conference: 11th International Verticillium Symposium
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Göttingen, Germany
Date of event: 05/2013
C. Gómez-Lama; E. Schilirò; A. Valverde-Corredor; J. Mercado-Blanco. "Libro de resúmenes". 05/2008.
- 26** **Title of the work:** Genome-wide transcriptome analysis of defoliating and non-defoliating pathotypes of *Verticillium dahliae* Kleb. growing under axenic conditions
Name of the conference: 11th International Verticillium Symposium
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
City of event: Göttingen, Germany
Date of event: 05/2013
I. Pentimone; M. Ferrara; J. Mercado-Blanco; A. Ippolito; F. Nigro. "Libro de resúmenes". 05/2008.
- 27** **Title of the work:** *Pseudomonas fluorescens* PICF7 traits involved in the biocontrol of *Verticillium* wilt of olive
Name of the conference: 11th International Verticillium Symposium
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication



City of event: Göttingen, Germany

Date of event: 05/2013

M.M. Maldonado-González; E. Schilirò; P.A.H.M. Bakker; P. Prieto; A. Valverde-Corredor; J. Mercado-Blanco. "Libro de resúmenes". 05/2008.

- 28** **Title of the work:** Cold response in olive tree; A RNAseq study
Name of the conference: COST TD801 StatSeq 5th Workshop
Type of event: Workshop **Geographical area:** European Union
Type of participation: 'Participatory - poster
City of event: Helsinki, Finland
Date of event: 04/2013
M. de la O. Leyva-Pérez; A. Valverde; J. Jiménez-Ruiz; A. Muñoz-Mérida; R. Valderrama; O. Trelles; J.B. Barroso; J. Mercado; F. Luque. "Libro de resúmenes".
- 29** **Title of the work:** Arabidopsis thaliana como modelo para elucidar los mecanismos de biocontrol de Pseudomonas fluorescens PICF7 frente a Verticillium dahliae
Name of the conference: XVI Congreso de la Sociedad Española de Fitopatología
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Málaga, Spain
Date of event: 09/2012
M.M. Maldonado-González; P.A.H.M. Bakker; J. Mercado-Blanco. "Libro de resúmenes".
- 30** **Title of the work:** Comparación de la población de Verticillium dahliae en suelo y en árboles infectados en plantaciones de olivo
Name of the conference: XVI Congreso de la Sociedad Española de Fitopatología
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Málaga, Spain
Date of event: 09/2012
C. Trapero; C. Raya-Ortega; A. Valverde-Corredor; J. Mercado-Blanco; F.J. López-Escudero. "Libro de resúmenes".
- 31** **Title of the work:** De la raíz al tallo: interacción Pseudomonas fluorescens PICF7-Pseudomonas savastanoi NCPPB 3335 en tumores de olivo
Name of the conference: XVI Congreso de la Sociedad Española de Fitopatología
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Málaga, Spain
Date of event: 09/2012
M.M. Maldonado-González; P. Prieto; C. Ramos; J. Mercado-Blanco. "Libro de resúmenes".
- 32** **Title of the work:** Evaluación de Pseudomonas fluorescens PICF7 como agente de biocontrol de Plasmopara halstedii en girasol
Name of the conference: XVI Congreso de la Sociedad Española de Fitopatología
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Málaga, Spain
Date of event: 09/2012
M.M. Maldonado-González; A. García-Carneros; P. Prieto; N. Lucena-Lucena; L. Molinero-Ruiz; J. Mercado-Blanco. "Libro de resúmenes".



- 33** **Title of the work:** High-throughput sequencing and analysis of the transcriptome from defoliating and non-defoliating pathotypes of *Verticillium dahliae* Kleb.
Name of the conference: XVIII Convegno Nazionale Società Italiana di Patologia Vegetale
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Sassari, Italy
Date of event: 09/2012
I. Pentimone; M. Ferrara; J. Mercado-Blanco; F. Nigro. "Libro de resúmenes".
- 34** **Title of the work:** Identificación de determinantes de *Pseudomonas fluorescens* PICF7 implicados en el control de la Verticilosis del olivo
Name of the conference: XVI Congreso de la Sociedad Española de Fitopatología
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Málaga, Spain
Date of event: 09/2012
M.M. Maldonado-González; E. Schiliro; J. Mercado-Blanco. "Libro de resúmenes".
- 35** **Title of the work:** Análisis transcriptómico de la interacción entre el endófito *Pseudomonas fluorescens* PICF7 y raíces de olivo
Name of the conference: XVI Congreso de la Sociedad Española de Fitopatología
Geographical area: National
Type of participation: Participatory - oral communication
City of event: Málaga, Spain
Date of event: 09/2012
E. Schiliro; M. Ferrara; F. Nigro; J. Mercado-Blanco. "Libro de resúmenes".
- 36** **Title of the work:** Genetic responses in roots of a woody species upon colonization by a biocontrol endophytic bacterium: the olive-*Pseudomonas fluorescens* PICF7 case
Name of the conference: 28th New Phytologist Symposium "Functions and Ecology of the Plant Microbiome"
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Rhodes, Greece
Date of event: 05/2012
E. Schiliro; M. Ferrara; F. Nigro; J. Mercado-Blanco. "Libro de resúmenes".
- 37** **Title of the work:** Use of *Arabidopsis thaliana* to study mechanisms of control of *Verticillium* wilt by *Pseudomonas fluorescens* PICF7
Name of the conference: 64th International Symposium on Crop Protection
Type of participation: Participatory - oral communication
City of event: Ghent, Belgium
Date of event: 05/2012
M.M. Maldonado-González; P.A.H.M. Bakker; J. Mercado-Blanco. "Libro de resúmenes y Proceedings".
- 38** **Title of the work:** The tripartite interaction *Pseudomonas fluorescens* PICF7-olive-*Verticillium dahliae*: biocontrol performance of an endophytic bacterium and plant responses
Name of the conference: Workshop "Current Aspects of European Endophyte Research", COST Action FA1103: Endophytes in biotechnology and agriculture
Type of event: Workshop
Type of participation: 'Participatory - poster
City of event: Reims, France



Date of event: 03/2012

J. Mercado-Blanco; E. Schilirò; M.M. Maldonado-González; P. Prieto. "Libro de resúmenes".

- 39** **Title of the work:** Evaluation of *Pseudomonas fluorescens* PICF7 as potencial biocontrol agent against *Plasmopara halstedii* in sunflower
Name of the conference: 18th International Sunflower Conference
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Mar de Plata, Argentina
Date of event: 02/2012
M.M. Maldonado-González; A. García-Carneros; P. Prieto; N. Lucena-Lucena; L. Molinero-Ruiz; J. Mercado-Blanco. "Proceedings". pp. 262 - 267.
- 40** **Title of the work:** Biological control of *Verticillium* wilt of olive within an integrated disease management framework
Name of the conference: 5th IOBC/wprs Working Group "Integrated Protection of Olive Crops"
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - invited/keynote **Reasons for participation:** Upon invitation talk
City of event: Jerusalem, Israel
Date of event: 05/2011
J. Mercado Blanco. "Libro de resúmenes".
- 41** **Title of the work:** Root hairs play a key role in root colonization by *Pseudomonas* s
Name of the conference: 5th IOBC/wprs Working Group "Integrated Protection of Olive Crops"
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
City of event: Jerusalem, Israel
Date of event: 05/2011
E. Schilirò; P. Prieto; R. Valderrama; M. M. Maldonado-González; J.B. Barroso-Albarracín; J. Mercado-Blanco. "Libro de resúmenes".
- 42** **Title of the work:** Functional genomics analysis of the *Pseudomonas fluorescens* PICF7/*Olea europaea* interaction: identification of ESTs during olive roots colonization by an endophytic biocontrol strain
Name of the conference: 6th IOBC Working Group Meeting in "Multitrophic Interactions in Soil"
Type of participation: Participatory - oral communication
City of event: Córdoba, Spain
Date of event: 04/2011
E. Schilirò; M. Ferrara; F. Nigro; J. Mercado-Blanco. "Libro de resúmenes".
- 43** **Title of the work:** Involvement of induced systemic resistance in control of *Verticillium* wilt by fluorescent *Pseudomonas* s
Name of the conference: 6th IOBC Working Group Meeting in "Multitrophic Interactions in Soil"
Type of participation: 'Participatory - poster
City of event: Córdoba, Spain
Date of event: 04/2011
M. M. Maldonado-González; P.A.H.M. Bakker; J. Mercado-Blanco. "Libro de resúmenes".
- 44** **Title of the work:** Caracterización de mutantes afectados en motilidad, producción de sideróforos y antagonismo in vitro del agente de biocontrol de la verticilosis del olivo *Pseudomonas fluorescens* PICF7
Name of the conference: XV Congreso de la Sociedad Española de Fitopatología
Type of participation: 'Participatory - poster



City of event: Vitoria, Spain

Date of event: 09/2010

M.M. Maldonado-González; E. Schilirò; J. Mercado-Blanco. "Libro de resúmenes".

45 Title of the work: Importancia de los pelos radicales en el proceso de colonización de raíces de olivo por cepas de *Pseudomonas* s

Name of the conference: XV Congreso de la Sociedad Española de Fitopatología

City of event: Vitoria, Spain

Date of event: 09/2010

E. Schilirò; P. Prieto; R. Valderrama; M.M. Maldonado-González; J.B. Barroso-Albarracín; J. Mercado-Blanco. "Libro de resúmenes".

46 Title of the work: Olive root hairs are key for the effective colonisation of *Pseudomonas* s

Name of the conference: 28th International Horticultural Congress

Type of participation: 'Participatory - poster

City of event: Lisbon, Portugal

Date of event: 08/2010

P. Prieto; E. Schilirò; R. Valderrama; M. Maldonado-González; J.B. Barroso-Albarracín; J. Mercado-Blanco. "Libro de resúmenes".

47 Title of the work: A close look at the olive-*Verticillium dahliae*-*Pseudomonas fluorescens* in planta interaction

Name of the conference: 10th International Verticillium symposium

City of event: Corfú, Greece

Date of event: 11/2009

J. Mercado-Blanco; C. Navarro-Raya; A. Valverde-Corredor; S.G. Amyotte; K.F. Dobinson; P. Prieto. "Libro de resúmenes".

48 Title of the work: Effect of agronomical factors on the importance of Verticillium wilt of olive in the Guadalquivir valley in Andalucía (Southern Spain)"

Name of the conference: 10th International Verticillium symposium

Type of participation: 'Participatory - poster

City of event: Corfú, Greece

Date of event: 11/2009

F.J. López-Escudero; J.M. Roca; J. Mercado-Blanco; A. Valverde-Corredor; M. A. Blanco-López. "Libro de resúmenes".

49 Title of the work: Identification and characterization of a MFS-transporter gene from *Verticillium dahliae* in the interaction with olive (*Olea europaea* L.)

Name of the conference: 10th International Verticillium symposium

Type of participation: 'Participatory - poster

City of event: Corfú, Grecia,

Date of event: 11/2009

C. Navarro-Raya; E. Moyano; J. Benítez-Alfonso; K.F. Dobinson; J. Muñoz-Blanco; J. Mercado-Blanco. "Libro de resúmenes".

50 Title of the work: Unravelling the olive roots colonization process by Verticillium wilt effective biocontrol *Pseudomonas* s

Name of the conference: 10th International Verticillium symposium

Type of participation: 'Participatory - poster

City of event: Corfú, Greece

Date of event: 11/2009



E. Schilirò; P. Prieto; R. Valderrama; M. Maldonado-González; J.B. Barroso-Albarracín; J. Mercado-Blanco. "Libro de resúmenes".

- 51 Title of the work:** *Verticillium dahliae* on olives in Turkey: distribution, vegetative compatibility and molecular characterization and virulence of selected isolates
Name of the conference: 10th International *Verticillium* symposium
City of event: Corfú, Greece
Date of event: 11/2009
S. Dervis; L. Erten; J. Mercado-Blanco; A. Valverde-Corredor; E. Pérez-Artés. "Libro de resúmenes".
- 52 Title of the work:** *Verticillium* interspecific hybrids might not be so rare in nature
Name of the conference: 10th International *Verticillium* symposium
Type of participation: 'Participatory - poster
City of event: Corfú, Greece
Date of event: 11/2009
M. Collado-Romero; R.M. Jiménez-Díaz; J. Mercado-Blanco. "Libro de resúmenes".
- 53 Title of the work:** Effect of agronomical factors on the importance of *verticillium* wilt of olive in the Guadalquivir valley in Andalucía (Southern Spain)
Name of the conference: 4th European Meeting of the IOBC/WPRS Working Group "Integrated protection of Olive Crops"
Type of participation: 'Participatory - poster
City of event: Córdoba, Spain
Date of event: 06/2009
F.J. López-Escudero; J. M. Roca; J. Mercado-Blanco; A. Valverde-Corredor; M.A. Blanco-López. "Libro de resúmenes y IOBC/WPRS Bulletin".
- 54 Title of the work:** Monitoring the colonisation of olive tissues by *Verticillium dahliae* and its interaction with the beneficial root endophyte *Pseudomonas fluorescens* PICF7
Name of the conference: 4th European Meeting of the IOBC/WPRS Working Group "Integrated protection of Olive Crops"
City of event: Córdoba, Spain
Date of event: 06/2009
P. Prieto; C. Navarro-Raya; A. Valverde-Corredor; S.G. Amyotte; K.F. Dobinson; J. Mercado-Blanco. "Libro de resúmenes y IOBC/WPRS Bulletin".
- 55 Title of the work:** Different determinants of *Pseudomonas fluorescens* WCS374R elicit induced systemic resistance in *Arabidopsis thaliana* against a bacterial and a viral disease
Name of the conference: 8th International PGPR Workshop
Type of participation: 'Participatory - poster
City of event: Portland, United States of America
Date of event: 05/2009
M. Djavaheri; J. Mercado-Blanco; L.C. van Loon; P.A.H. M. Bakker. "Libro de resúmenes".
- 56 Title of the work:** Análisis de VCGs, marcadores moleculares, y patogénico de aislados de *Verticillium dahliae* que infectan olivo en Turquía
Name of the conference: XIV Congreso de la Sociedad Española de Fitopatología
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Lugo, Spain
Date of event: 09/2008
S. Dervis; L. Erten; A. Valverde-Corredor; J. Mercado-Blanco; E. Pérez-Artés. "Libro de resúmenes". 2019.



- 57** **Title of the work:** Detección molecular de *Verticillium dahliae* en peciolas de hojas de cultivares de olivo con diferentes niveles de resistencia
Name of the conference: XIV Congreso de la Sociedad Española de Fitopatología
Type of participation: 'Participatory - poster
City of event: Lugo, Spain
Date of event: 09/2008
P. Estrada; F.J. López-Escudero; J. Mercado-Blanco; A. Valverde-Corredor; M.A. Blanco-López. "Libro de resúmenes". 2019.
- 58** **Title of the work:** Factores implicados en la importancia y distribución actuales de la verticilosis del olivo en Andalucía
Name of the conference: XIV Congreso de la Sociedad Española de Fitopatología
City of event: Lugo, Spain
Date of event: 09/2008
F.J. López-Escudero; J.M. Roca; J. Mercado-Blanco; A. Valverde-Corredor; M.A. Blanco-López. "Libro de resúmenes". 2019.
- 59** **Title of the work:** Identificación y caracterización de genes implicados en la interacción *Verticillium dahliae*-olivo
Name of the conference: XIV Congreso de la Sociedad Española de Fitopatología
Type of participation: 'Participatory - poster
City of event: Lugo, Spain
Date of event: 09/2008
M.C. Navarro-Raya; E. Moyano-Cañete; J. Beítez-Alfosno; K.F. Dobinson; E. Schilirò; J. Muñoz-Blanco; J. Mercado-Blanco. "Libro de resúmenes". 2019.
- 60** **Title of the work:** Monitorización a nivel celular de la interacción *Verticillium dahliae*-*Pseudomonas fluorescens* PICF7 en tejidos de olivo
Name of the conference: XIV Congreso de la Sociedad Española de Fitopatología
City of event: Lugo, Spain
Date of event: 09/2008
P. Prieto; M.C. Navarro-Raya; A. Valverde-Corredor; J. Mercado-Blanco. "Libro de resúmenes". 2019.
- 61** **Title of the work:** Transformación de *Verticillium dahliae* con el gen de la proteína fluorescente YFP y seguimiento del proceso de infección del patotipo defoliante en olivo
Name of the conference: XIV Congreso de la Sociedad Española de Fitopatología
Type of participation: 'Participatory - poster
City of event: Lugo, Spain
Date of event: 09/2008
M.C. Navarro-Raya; P. Prieto; K.F. Dobinson; J. Mercado-Blanco. "Libro de resúmenes". 2019.
- 62** **Title of the work:** Molecular detection of *Verticillium dahliae* in leaves petioles of olive cultivars showing different levels of resistance
Name of the conference: 9th International Congress on Plant Pathology
Type of participation: 'Participatory - poster
City of event: Torino, Italy
Date of event: 08/2008
P. Estrada; F.J. López-Escudero; J. Mercado-Blanco; A. Valverde-Corredor; M.A. Blanco-López. "Libro de resúmenes".



- 63** **Title of the work:** Identificación y caracterización de genes en la interacción *Verticillium dahliae*-*Olea europaea*
Name of the conference: IX Reunión de Biología Molecular de Plantas
Type of participation: 'Participatory - poster
City of event: Santiago de Compostela, Spain
Date of event: 07/2008
M.C. Navarro-Raya; J. Mercado-Blanco; J. Benítez-Alfonso; J. Muñoz-Blanco; E. Moyano."Libro de resúmenes".
- 64** **Title of the work:** Analysis of determinants of *Pseudomonas fluorescens* WCS374r involved in induced systemic resistance in *Arabidopsis thaliana*
Name of the conference: 2007 APS-SON Joint Meeting
Type of participation: 'Participatory - poster
City of event: San Diego, United States of America
Date of event: 07/2007
P.A.H.M. Bakker; M. Djavaheri; J. Mercado-Blanco; L.C. van Loon."Libro de resúmenes y Phytopathology 97:S7".
- 65** **Title of the work:** Virulencia sobre plantones de olivo "Picual" de aislados de *Verticillium dahliae* que difieren en el patrón de marcadores moleculares
Name of the conference: XIII Simposium Científico-Técnico EXPOLIVA 2007
Type of participation: 'Participatory - poster
City of event: Jaén, Andalusia, Spain
Date of event: 05/2007
D. Rodríguez Jurado; R. Jiménez Martínez; J. Mercado Blanco; R.M. Jiménez Díaz."Libro de resúmenes y en CD-ROM y en <http://www.expoliva.com/expoliva2007/simposium/menusimposio.asp>".
- 66** **Title of the work:** Asociación de patrones moleculares y la virulencia de aislados de *Verticillium dahliae* en olivo, e influencia del tipo de plantón en la caracterización de ésta
Name of the conference: I Jornadas del Grupo de Olivicultura de la SECH
Type of participation: 'Participatory - poster
City of event: Córdoba, Spain
Date of event: 10/2006
D. Rodríguez Jurado; R. Jiménez Martínez; J. Mercado Blanco; R.M. Jiménez Díaz."Libro de resúmenes". 10/2006.
- 67** **Title of the work:** Correlación de la virulencia con los grupos AFLP y el huésped de origen en poblaciones de *Verticillium dahliae*
Name of the conference: XIII Congreso de la Sociedad Española de Fitopatología
Type of participation: 'Participatory - poster
City of event: Murcia, Spain
Date of event: 09/2006
D. Rodríguez Jurado; R.M. Jiménez Díaz; A. Valverde Corredor; J. Mercado Blanco."Libro de resúmenes".
- 68** **Title of the work:** Involvement of iron-regulated metabolites in induced systemic resistance by *Pseudomonas fluorescens* WCS374 in *Arabidopsis*
Name of the conference: 7th Internacional Workshop on Plant Growth Promoting Rhizobacteria
Type of participation: 'Participatory - poster
City of event: Noordwijkerhout, Holland
Date of event: 06/2006
M. Djavaheri; J. Mercado-Blanco; L.C. van Loon; P.A.H.M. Bakker. "Libro de resúmenes".



- 69** **Title of the work:** Rhizostar®: a commercial product to suppress Verticillium wilt on three host plants: strawberry, oilseed rape and olive
Name of the conference: 7th Internacional Workshop on Plant Growth Promoting Rhizobacteria
City of event: Noordwijkerhout, Holland
Date of event: 06/2006
H. Müller; J. Mercado-Blanco; E. Tejedor; D. Rodríguez-Jurado; R.M. Jiménez-Díaz; L. Chernin; G. Berg. "Libro de resúmenes".
- 70** **Title of the work:** Detection of Verticillium dahliae isolates differing in vegetative compatibility in infected artichoke plants by multiplex, nested-PCR
Name of the conference: VI Internacional symposium on artichoke, cardoon and their wild relatives
City of event: Lorca, Region of Murcia, Spain
Date of event: 03/2006
M. Collado-Romero; M. Berbegal; J. Mercado-Blanco; J. Armengol; J. García-Jiménez; R.M. Jiménez-Díaz. "Libro de resúmenes".
- 71** **Title of the work:** Functional analysis of siderophore biosynthesis genes of Pseudomonas fluorescens WCS374
Name of the conference: 2005 APS Annual Meeting
Type of participation: 'Participatory - poster
City of event: Austin, United States of America
Date of event: 08/2005
Bakker, P.A.H.M.; Djavaheri, M.; Mercado-Blanco, J.; van Loon, L.C. "Libro de resúmenes y Phytopathology 95:S5".
- 72** **Title of the work:** Functional analysis of siderophore biosynthesis genes of Pseudomonas fluorescens WCS374
Name of the conference: XII International Congress on Molecular Plant-Microbe Interactions
Type of participation: 'Participatory - poster
City of event: Cancún, Mexico
Date of event: 07/2005
Djavaheri, M.; Mercado-Blanco, J.; van Loon, L.C.; Bakker, P.A.H.M. "Libro de resúmenes".
- 73** **Title of the work:** DNA sequence análisis, AFLP fingerprinting and phylogeny inference of Verticillium dahliae VCGs from diverse geographic and host origins
Name of the conference: IX International Verticillium Symposium
Geographical area: Non EU International
Type of participation: Participatory - oral communication
City of event: Monterey, United States of America
Date of event: 06/2005
J. Mercado-Blanco; M. Collado-Romero; C. Olivares-García; R.M. Jiménez-Díaz. "Libro de resúmenes".
- 74** **Title of the work:** Effects of Serratia plymuthica HRO-C48 treatment in the pathosystems oilseed rape-V. dahliae and olive-V. dahliae
Name of the conference: IX International Verticillium Symposium
City of event: Monterey, United States of America
Date of event: 06/2005
H. Müller; R. Meincke; J. Mercado-Blanco; R. Jiménez-Díaz; X. Liu; L. Chernin; G. Berg. "Libro de resúmenes".



- 75** **Title of the work:** Genetic and virulence diversity in *Verticillium dahliae* populations infecting artichoke in Spain
Name of the conference: IX International Verticillium Symposium
City of event: Monterey, United States of America
Date of event: 06/2005
R.M. Jiménez-Díaz; J. Mercado-Blanco; C. Olivares-García; M. Collado-Romero; A. Jiménez-Jaime; J. García-Jiménez; E. Pérez-Artés; J. Bejarano-Alcázar; D. Rodríguez-Jurado; and J. Armengol. "Libro de resúmenes".
- 76** **Title of the work:** Genetic diversity of *Verticillium dahliae* populations determined by AFLPs correlates with diversity in vegetative compatibility groups and geographic origin
Name of the conference: IX International Verticillium Symposium
City of event: Monterey, United States of America
Date of event: 06/2005
M. Collado-Romero; J. Mercado-Blanco; C. Olivares-García; A. Valverde-Corredor; R. M. Jiménez-Díaz. "Libro de resúmenes".
- 77** **Title of the work:** Increase and pattern of spread of *Verticillium dahliae* infections within an intensively managed olive orchard in southern Spain
Name of the conference: IX International Verticillium Symposium
City of event: Monterey, United States of America
Date of event: 06/2005
J.A. Navas-Cortés; D. Rodríguez-Jurado; J.L. Trapero-Casas; B.B. Landa; J. Mercado-Blanco; R.M. Jiménez-Díaz. "Libro de resúmenes".
- 78** **Title of the work:** Qualitative and quantitative molecular detection of *Verticillium dahliae* pathotypes in infected olive plants
Name of the conference: IX International Verticillium Symposium
Type of participation: 'Participatory - poster
City of event: Monterey, United States of America
Date of event: 06/2005
J. Mercado-Blanco; D. Rodríguez-Jurado; M. Collado-Romero; A. Valverde-Corredor; E. Pérez-Artés; R.M. Jiménez-Díaz. "Libro de resúmenes".
- 79** **Title of the work:** Virulence of *Verticillium dahliae* isolates differing in molecular diversity, host source and geographic origin
Name of the conference: IX International Verticillium Symposium
Type of participation: 'Participatory - poster
City of event: Monterey, United States of America
Date of event: 06/2005
D. Rodríguez-Jurado; R. Jiménez-Martínez; J. Mercado-Blanco; R. M. Jiménez-Díaz. "Libro de resúmenes".
- 80** **Title of the work:** Control biológico de la Verticilosis en plantones de olivo mediante aislados de *Pseudomonas* s
Name of the conference: XII Simposium Científico-Técnico EXPOLIVA2005
Type of participation: 'Participatory - poster
City of event: Jaén,
Date of event: 05/2005
J. Mercado Blanco; Elena Tejedor González; Dolores Rodríguez Jurado; R.M. Jiménez Díaz. "En CD-ROM y en <http://www.expoliva.com/expoliva2005/simposium>".



- 81** **Title of the work:** Incidencia y extensión de la infección de plantas de olivo por los patotipos defoliante y no-defoliante de *Verticillium dahliae* determinadas mediante técnicas moleculares
Name of the conference: XII Simposium Científico-Técnico EXPOLIVA2005
City of event: Jaén,
Date of event: 05/2005
J. Mercado Blanco; Melania Collado Romero; Dolores Rodríguez Jurado; R. M. Jiménez Díaz. "En CD-ROM y en <http://www.expoliva.com/expoliva2005/simposium>".
- 82** **Title of the work:** Análisis de la diversidad genético-molecular de poblaciones de *Verticillium dahliae* mediante AFLPs y secuencias de ADN
Name of the conference: XII Congreso de la Sociedad Española de Fitopatología
City of event: Lloret de Mar,
Date of event: 09/2004
M. Collado Romero; J. Mercado Blanco; A. Valverde Corredor; C. Olivares García; R.M. Jiménez Díaz. "Libro de resúmenes".
- 83** **Title of the work:** Detección y caracterización de VCGs de *Verticillium dahliae* en plantas de alcachofa mediante dúplex, "nested"-PCR
Name of the conference: XII Congreso de la Sociedad Española de Fitopatología
Type of participation: 'Participatory - poster
City of event: Lloret de Mar, Spain
Date of event: 09/2004
M. Collado Romero; J. Mercado Blanco; C. Olivares García; A. Jiménez Jaime; J. Armengol; J. García Jiménez; R.M. Jiménez Díaz. "Libro de resúmenes".
- 84** **Title of the work:** Diversidad genética y patogénica en *Verticillium dahliae* que infectan alcachofa en la Comunidad Valenciana
Name of the conference: XII Congreso de la Sociedad Española de Fitopatología
City of event: Lloret de Mar, Spain
Date of event: 09/2004
C. Olivares García; M. Collado Romero; A. Jiménez Jaime; J. Mercado Blanco; J. Bejarano Alcázar; D. Rodríguez Jurado; J. Armengol; E. Pérez Artés; J. García Jiménez; R. M. Jiménez Díaz. "Libro de resúmenes".
- 85** **Title of the work:** Evaluación de la capacidad supresora de la Verticilosis del olivo de antagonistas microbianos y compuestos de origen biológico
Name of the conference: XII Congreso de la Sociedad Española de Fitopatología
Type of participation: 'Participatory - poster
City of event: Lloret de Mar, Spain
Date of event: 09/2004
"Libro de resúmenes".
- 86** **Title of the work:** Iron regulated metabolites and disease suppression by strains of fluorescent *Pseudomonas* s
Name of the conference: Internacional Congreso Rhizosphere 2004 –Perspectives and Challenges: A Tribute to Lorenz Hiltner
City of event: München, Germany
Date of event: 09/2004
P.A.H.M. Bakker; L. Ran; M. Djavaheeri; J. Mercado-Blanco; I. van der Sluis; L.C. van Loon. "Libro de resúmenes". 12/2017.



- 87** **Title of the work:** Virulencia de aislados de *Verticillium dahliae* en Europa en relación con su diversidad molecular, geográfica y de huésped de origen
Name of the conference: XII Congreso de la Sociedad Española de Fitopatología
Type of participation: 'Participatory - poster
City of event: Lloret de Mar, Spain
Date of event: 09/2004
D. Rodríguez Jurado; R. Jiménez Martínez; J. Mercado Blanco; R.M. Jiménez Díaz. "Libro de resúmenes".
- 88** **Title of the work:** Detection of *Verticillium dahliae* in artificially- and naturally-infected artichoke plants by duplex, nested-PCR
Name of the conference: Joint Workshop on "Molecular Diagnostics of Plant Pathogens"
City of event: Lametia Terme, Italy,
Date of event: 11/2003
M. Collado-Romero; J. Mercado-Blanco; C. Olivares-García; A.; Giménez-Jaime; J.; Armengol; J. García-Jiménez; and R.M. Jiménez-Díaz. "Libro de resúmenes y Phytopathologia Mediterranea 42: 296 (2003)".
- 89** **Title of the work:** Detection of the defoliating and non defoliating pathotypes of *Verticillium dahliae* in soil by nested-PCR
Name of the conference: Joint Workshop on "Molecular Diagnostics of Plant Pathogens"
City of event: Lametia Terme, Italy
Date of event: 11/2003
E. Pérez-Artés; A. R. Ruz-Carrillo; J. Mercado-Blanco; R.M. Jiménez-Díaz. "Libro de resúmenes y Phytopathologia Mediterranea 42: 296 (2003)".
- 90** **Title of the work:** Genetic and pathogenic characterization of *Verticillium dahliae* infecting artichoke in the Valencia region of eastern Spain
Name of the conference: V International Congress on artichoke
Type of participation: Participatory - oral communication
City of event: Tudela,
Date of event: 05/2003
C. Olivares-García; M. Collado-Romero; J. Mercado-Blanco; E. Pérez-Artés; A. Giménez-Jaime; J. Armengol; J. García-Jiménez; and R.M. Jiménez-Díaz. "libro de resúmenes y Acta Horticulturae (en prensa)".
- 91** **Title of the work:** *Pseudomonas* spp. asociadas a raíces de olivo controlan eficientemente la Verticilosis del olivo
Name of the conference: 13° Simposim Internacional Phytoma "Control biológico de plagas y enfermedades: agentes microbianos y entomófagos"
Type of participation: Participatory - oral communication
City of event: Valencia,
Date of event: 12/2002
J. Mercado Blanco. "Revista Phytoma España".
- 92** **Title of the work:** Control biológico de la Verticilosis en plantones de olivo de vivero mediante *Pseudomonas* s
Name of the conference: Jornadas de investigación y transferencia de tecnología al sector oleícola
Type of participation: 'Participatory - poster
City of event: Córdoba,
Date of event: 11/2002
J. Mercado Blanco; D. Rodríguez Jurado; A. Hervás Vargas; R. M. Jiménez Díaz. "Actas de las Jornadas, pp-159-163".



- 93** **Title of the work:** Diagnóstico molecular de los patotipos defoliante y no defoliante de *Verticillium dahliae* en plantas de olivo infectadas
Name of the conference: Jornadas de investigación y transferencia de tecnología al sector oleícola
Type of participation: 'Participatory - poster
City of event: Córdoba,
Date of event: 11/2002
J. Mercado Blanco; D. Rodríguez Jurado; S. Parrilla Araujo; E. Pérez Artés; R. M. Jiménez Díaz."Actas de las Jornadas,". pp. 165 - 169.
- 94** **Title of the work:** Compatibilidad vegetativa y caracterización molecular en aislados de *Vdverticillium dahliae* que infectan alcachofa en la comunidad valenciana
Name of the conference: XI Congreso Sociedad Española de Fitopatología
Type of participation: 'Participatory - poster
City of event: Almería,
Date of event: 10/2002
Collado Romero; M.; Olivares García; C.; Mercado Blanco; J.; Giménez Jaime; A.; Armengol; J.; García Jiménez. J.; Jiménez Díaz R.M."libro de resúmenes".
- 95** **Title of the work:** Detección de la infección doble de olivo por los patotipos defoliante y no defoliante de *Verticillium dahliae* mediante dúplex-"nested" PCR
Name of the conference: XI Congreso Sociedad Española de Fitopatología
City of event: Almería,
Date of event: 10/2002
Mercado Blanco, J.; Parrilla Araujo, S.; Valverde Corredor, A.; Trapero Casas, J.L."libro de resúmenes".
- 96** **Title of the work:** Monitorización temporal y cuantificación de la infección vascular de olivo por *Verticillium dahliae* mediante PCR cuantitativa en tiempo real (RT-QPCR)
Name of the conference: XI Congreso Sociedad Española de Fitopatología
City of event: Almería,
Date of event: 10/2002
Mercado Blanco; J.; Collado Romero; M.; Parrilla Araujo; S.; Rodríguez Jurado; D."libro de resúmenes".
- 97** **Title of the work:** Production of salicylic acid and pseudomonine and suppression of disease by *Pseudomonas fluorescens* WCS374
Name of the conference: 7th Meeting of the IOBC/EFPP "Influence of a-biotic and biotic factors on biocontrol agents"
Type of participation: 'Participatory - poster
City of event: Kusadasi, Turkey
Date of event: 05/2002
Bakker, P.A.H.M.; Mercado-Blanco, J.; Longxian, R.; van der Sluis, I.; and van Loon, L.C."IOBC Bulletin".
- 98** **Title of the work:** A nested-PCR diagnostic procedure for the detection of the defoliating and nondefoliating pathotypes of *Verticillium dahliae* in infected olive plants
Name of the conference: 8th International *Verticillium* Symposium
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
City of event: Córdoba, Spain
Date of event: 11/2001
Mercado-Blanco, J.; Rodríguez-Jurado, D.; Parrilla-Araujo S.; Pérez-Artés, E.; Jiménez-Díaz, R.M."libro de resúmenes".



- 99** **Title of the work:** Suppression of Verticillium wilt of olive by root-associated fluorescent Pseudomonas
Name of the conference: 8th International Verticillium Symposium
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Córdoba, Spain
Date of event: 11/2001
Mercado-Blanco, J.; Hervás, A.; Rodríguez-Jurado, D.; Jiménez-Díaz, R.M."libro de resúmenes".
- 100** **Title of the work:** Spatio-temporal dynamics of Verticillium wilt epidemics in an olive orchard
Name of the conference: 8th International Verticillium Symposium
City of event: Córdoba,
Date of event: 11/2001
Navas-Cortés, J.A.; Rodríguez-Jurado, D.; Trapero-Casas, J.L.; Landa, B.B.; Mercado-Blanco, J.; Pérez-Artés, E.; and Jiménez-Díaz, R.M."libro de resúmenes".
- 101** **Title of the work:** Diagnóstico molecular mediante PCR de la presencia de los patotipos defoliante y no defoliante de *V. dahliae* en plantas de olivo infectadas
Name of the conference: X Symposium científico-técnico, Expoliva 2001
Type of participation: 'Participatory - poster
City of event: Jaén,
Date of event: 05/2001
Mercado-Blanco, J.; Rodríguez-Jurado, D.; Parrilla-Araujo, S.; Pérez-Artés, E.; and Jiménez-Díaz, R.M."CD-Rom del Symposium".
- 102** **Title of the work:** Influence of growth conditions on the production of salicylic acid and pseudomonine in *Pseudomonas fluorescens* WCS374
Name of the conference: 5th International PGPR Workshop Plant Growth Promoting Rhizobacteria
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Córdoba, Argentina
Date of event: 11/2000
J. Mercado-Blanco; K.M.G.M. van der Drift; Thomas-Oates; J.E.; L.C. van Loon; and P.A.H.M. Bakker. "<http://www.ag.auburn.edu/argentina/pdfmanuscripts/mercado blanco.pdf> [último acceso 26-09-2002]".
- 103** **Title of the work:** Control biológico de la verticilosis del olivo mediante *Pseudomonas*
Name of the conference: X Congreso de la Sociedad Española de Fitopatología
Type of participation: 'Participatory - poster
City of event: Valencia,
Date of event: 10/2000
A. Hervás; J. Mercado Blanco; D. Rodríguez Jurado; R.M. Jiménez Díaz."libro de resúmenes".
- 104** **Title of the work:** Detección específica de los patotipos defoliante y no defoliante de *Verticillium dahliae* en plantas de olivo infectadas mediante "nested"-PCR
Name of the conference: X Congreso de la Sociedad Española de Fitopatología
City of event: Valencia,
Date of event: 10/2000
J. Mercado Blanco; D. Rodríguez Jurado; S. Parrilla Araujo; E. Pérez Artés; R.M. Jiménez Díaz. "libro de resúmenes".
- 105** **Title of the work:** In planta-PCR detection of olive-defoliating and -nondefoliating pathotypes of *Verticillium dahliae*
Name of the conference: 4th International Symposium on olive growing, OLIVE 2000



City of event: Valenzano, Italy

Date of event: 09/2000

J. Mercado-Blanco; D. Rodríguez-Jurado; E. Pérez-Artés; and R.M. Jiménez-Díaz. "Acta Horticulturae 586: 757-760 (2002)".

- 106** **Title of the work:** Producción de Ácido salicílico y sideróforos por *Pseudomonas fluorescens* WCS374 y su implicación en la supresión de la fusariosis vascular del rábano
Name of the conference: IX Congreso de la Sociedad Española de Fitopatología
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Salamanca,
Date of event: 10/1998
J. Mercado Blanco; Per E. Olsson; Ientse van der Sluis; Koen van der Drift; Jane E. Thomas-Oates; Leendert C. van Loon; Peter A.H.M. Bakker. "libro de resúmenes".
- 107** **Title of the work:** Diagnóstico molecular in planta de patotipos de *Verticillium dahliae* que infectan olivo
Name of the conference: IX Congreso de la Sociedad Española de Fitopatología
Type of participation: 'Participatory - poster
City of event: Salamanca,
Date of event: 10/1998
J. Mercado Blanco; E. Pérez Artés; M.D. García Pedrajas; D. Rodríguez Jurado; R.M. Jiménez Díaz. "libro de resúmenes".
- 108** **Title of the work:** Analysis of a gene cluster involved in the production of salicylic acid and a new siderophore in *Pseudomonas fluorescens* WCS374
Name of the conference: 4th International Workshop on Plant Growth-Promoting Rhizobacteria
Type of participation: 'Participatory - poster
City of event: Sapporo, Japan
Date of event: 10/1997
J. Mercado-Blanco; P.E. Olsson; K.M.G.M. van der Drift; J.E. Thomas-Oates; L.C. van Loon; and P.A.H.M. Bakker. "Plant Growth-Promoting Rhizobacteria: Present Status and Future Prospects (A. Ogshi, K. Kobayashi, Y. Homma, F. Kodama, N. Kondo and S. Akino eds.) Sapporo: Fac. Agric., Hokkaido,". pp. 355.
- 109** **Title of the work:** A gene cluster in the plant growth promoting *Pseudomonas fluorescens* WCS374 involved in the biosynthesis of salicylic acid and the new siderophore fluorebactin
Name of the conference: VI International Congress on *Pseudomonas*: Molecular Biology and Biotechnology
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Madrid, Spain
Date of event: 09/1997
J. Mercado-Blanco; P.E. Olsson; I. Van der Sluis; K.M.G.M. van der Drift; J.E. Thomas-Oates; L.C. van Loon; and P.A.H.M. Bakker. "Libro de resúmenes".
- 110** **Title of the work:** Analysis of a gene cluster involved in the biosynthesis of a new salicylic acid-based siderophore and its implication for the suppression of *Fusarium* wilt by *Pseudomonas fluorescens* WCS374
Name of the conference: IOBC/EFPP Workshop Molecular Approaches in Biological Control
City of event: Délemont, Switzerland
Date of event: 09/1997
J. Mercado-Blanco; P.E. Olsson; I. van der Sluis; K.M.G.M. van der Drift; J.E. Thomas-Oates; L.C. van Loon; and P.A.H.M. Bakker. "Molecular Approaches in Biological Control (B.K. Duffy, U. Rosenberger, and G. Défago eds.) IOBC/wprs Bulletin no. 21(9)". pp. 35.



- 111 Title of the work:** Involvement of a new salicylic acid-based siderophore in suppression of fusarium wilt by *Pseudomonas fluorescens* WCS374
Name of the conference: Willie Commelin Scholten Dag
City of event: Utrecht,
Date of event: 01/1997
J. Mercado-Blanco; P.E. Olsson; I. Van der Sluis; K.G.M. van der Drift; J. Thomas-Oates; L.C. van Loon; and P.A.H.M. Bakker. "Acta Bot. Neerl. 46: 329".
- 112 Title of the work:** Transferencia de plásmidos de *Rhizobium meliloti*
Name of the conference: XV Congreso de la Sociedad Española de Microbiología
Type of participation: 'Participatory - poster
City of event: Madrid,
Date of event: 09/1995
J. Olivares; J.A. Herrera-Cervera; J. Mercado Blanco; J. Sanjuán. "Libro de resúmenes".
- 113 Title of the work:** Conjugal transfer of *Rhizobium meliloti* large plasmids
Name of the conference: 10th International Congress on Nitrogen Fixation
Type of participation: 'Participatory - poster
City of event: Saint Petersburg, Russia
Date of event: 06/1995
J. Sanjuán; J. A. Herrera-Cervera; J. Mercado-Blanco; and J. Olivares. "Libro de resúmenes".
- 114 Title of the work:** Looking for a suicide system in *Rhizobia*
Name of the conference: Final Sectorial Meeting on Biosafety and First Sectorial Meeting on Microbial Ecology
Type of participation: 'Participatory - poster
City of event: Granada,
Date of event: 10/1993
J. Mercado and J. Olivares. "Libro de resúmenes".
- 115 Title of the work:** Análisis genético de la región oriV del plásmido pRmeGR4a de *Rhizobium meliloti* GR4
Name of the conference: VI Reunión Nacional de Fijación de Nitrógeno
Type of participation: 'Participatory - poster
City of event: Sta. Cruz de Tenerife,
Date of event: 09/1993
J. Mercado Blanco y J. Olivares. "Libro de resúmenes".
- 116 Title of the work:** Ornitina-ciclodeaminasa de *Rhizobium meliloti* GR4
Name of the conference: VI Reunión Nacional de Fijación de Nitrógeno
Type of participation: 'Participatory - poster
City of event: Sta. Cruz de Tenerife,
Date of event: 09/1993
M.J. Soto Misfout; J. Mercado Blanco; J. Olivares Pascual; N. Toro García. "Libro de resúmenes".
- 117 Title of the work:** Genetic analysis of the oriV region of a large plasmid of *Rhizobium meliloti*
Name of the conference: 9th International Congress on Nitrogen Fixation
Type of participation: 'Participatory - poster
City of event: Cancún, Mexico
Date of event: 12/1992
J. Mercado and J. Olivares. "Libro de resúmenes".



- 118 Title of the work:** Nucleotide sequence and characterization of Rhizobium meliloti nodulation competitiveness genes nfe
Name of the conference: 9th International Congress on Nitrogen Fixation
Type of participation: 'Participatory - poster
City of event: Cancún, Mexico
Date of event: 12/1992
M.J. Soto; A. Zorzano; J. Mercado; V. Lepek; J. Olivares; and N. Toro. "Libro de resúmenes".
- 119 Title of the work:** Characterization of the replication origin region of a cryptic plasmid of Rhizobium meliloti strain GR4
Name of the conference: XIX Congress of the Mexican Biochemical Society
Type of participation: 'Participatory - poster
City of event: Ixtapa, Mexico
Date of event: 10/1992
J. Mercado and J. Olivares. "Libro de resúmenes".
- 120 Title of the work:** Caracterización de la región NFE implicada en la competitividad de Rhizobium meliloti GR4
Name of the conference: IV Congreso Nacional y I Hispano-Luso de Biotecnología
Type of participation: 'Participatory - poster
City of event: Santiago de Compostela,
Date of event: 09/1992
M.J. Soto; A. Zorzano; J. Mercado; V. Lepek; J. Olivares; N. Toro. "Libro de resúmenes".
- 121 Title of the work:** Clonaje, secuenciación y expresión en E. coli del locus responsable de la producción de melanina de Rhizobium meliloti GR4
Name of the conference: IV Congreso Nacional y I Hispano-Luso de Biotecnología
Type of participation: 'Participatory - poster
City of event: Santiago de Compostela,
Date of event: 09/1992
J. Mercado; F. García Rodríguez; J. Olivares. "Libro de resúmenes".
- 122 Title of the work:** Utilización de un replicón de la raza GR4 de Rhizobium meliloti para la construcción de vectores de expresión estables
Name of the conference: Simposio "Control de la expresión génica: transcripción"
City of event: Salamanca,
Date of event: 04/1992
J. Mercado y J. Olivares. "Libro de resúmenes".
- 123 Title of the work:** Characters linked to non-pSym plasmids of Rhizobium meliloti GR4
Name of the conference: 5th International Symposium on the Molecular Genetics of Plant-Microbe Interactions
Type of participation: 'Participatory - poster
City of event: Interlaken, Switzerland
Date of event: 09/1990
J. Mercado; J. Sanjuán and J. Olivares. "Libro de resúmenes".
- 124 Title of the work:** Genes nif y hup en cepas nativas de Rhizobium loti aisladas de suelos de Uruguay
Name of the conference: II Congreso Latinoamericano de Biotecnología
Type of participation: 'Participatory - poster



City of event: La Habana, Cuba

Date of event: 08/1990

J. Monza; J. Mercado; J. Murillo; J.M. Palacios; T. Ruíz-Argüeso. "Libro de resúmenes".

125 Title of the work: Clonación y transferencia de los genes de la competitividad (nfe) de *Rhizobium meliloti* GR4 en un vector derivado de pRmeGR4a

Name of the conference: III Congreso Nacional de Biotecnología BIOTEC-90

Type of participation: 'Participatory - poster

City of event: Murcia,

Date of event: 06/1990

J. Mercado; J. Sanjuán; J. Olivares. "Libro de resúmenes".

126 Title of the work: Estudios sobre el plásmido pRmeGR4a de la raza GR4 de *Rhizobium meliloti*

Name of the conference: IV Reunión Nacional de Fijación de Nitrógeno

Type of participation: 'Participatory - poster

City of event: Sevilla,

Date of event: 05/1989

J. Mercado; J. Sanjuán; J. Olivares. "Libro de resúmenes".

127 Title of the work: Posibilidades de la utilización de plásmidos crípticos de *Rhizobium* en la mejora de razas. Estudios sobre el plásmido pRmeGR4b de *R. meliloti*

Name of the conference: II Congreso Nacional de Biotecnología BIOTEC-88

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

City of event: Barcelona,

Date of event: 06/1988

J. Olivares; J. Sanjuán; J. Mercado. "Libro de resúmenes". 2023.

128 Title of the work: Estudios sobre el plásmido pRmeGR4b de *Rhizobium meliloti* GR4. Construcción de un banco de genes en pHc79 y clonación del oriV

Name of the conference: III Reunión Nacional de Fijación de Nitrógeno

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

City of event: Pamplona,

Date of event: 05/1987

M.A. Abril; J. Mercado; J. Sanjuán; J. Olivares. "Libro de resúmenes". 2028.

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

1 Title of the work: ¿Se puede controlar de forma efectiva la verticilosis del olivo?

Name of the event: V Jornada Difusión Tecnológica Futurooliva 2014

Type of event: Workshop

Reasons for participation: Upon invitation

Geographical area: Regional

City of event: Baeza (Jaén), Andalusia, Spain

Date of event: 29/05/2014

Organising entity: Universidad de Jaén

Type of entity: University

Jesús Mercado Blanco.

- 2** **Title of the work:** Integrated disease/pest management and sustainable agriculture
Name of the event: EU-ASIA dialogue, Policy Conference 'Governance for Sustainable Agriculture'
Type of event: Policy Conference
Reasons for participation: Upon invitation
Geographical area: Non EU International
City of event: Manila, Philippines
Date of event: 11/10/2013
Organising entity: Fundación Konrad Adenauer **Type of entity:** Foundation
City organizing entity: Germany
Jesús Mercado Blanco. "Informe resumen publicado en: <http://www.eu-asia.eu/the-activities/food-security/policy-conference-in-manila-the-philippines-october-11-2013/>".
- 3** **Title of the work:** Presentación resumen líneas de investigación grupo
Name of the event: IX Foro INIA de colaboración pública-privada sobre 'Olivar y Aceite de Oliva'
Type of event: Workshop
Reasons for participation: Upon invitation
Geographical area: National
City of event: Córdoba, Andalusia, Spain
Date of event: 20/06/2013
Organising entity: INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)
Jesús Mercado Blanco. "<http://www.inia.es/IniaPortal/goUrlDinamica.action?url=http://wwwsp.inia.es/Investigacion/OtrasUni/TransferenciaTecnologia/ForosINIA/Paginas/default.aspx>".
- 4** **Title of the work:** Control biológico de la verticilosis del olivo en una estrategia de manejo integrado de la enfermedad
Name of the event: IV Jornada Difusión Tecnológica Futuroлива 2012
Type of event: Workshop
Reasons for participation: Upon invitation
Geographical area: Regional
City of event: Baeza (Jaén), Andalusia, Spain
Date of event: 01/06/2012
Organising entity: Universidad de Jaén **Type of entity:** University
Jesús Mercado Blanco.
- 5** **Title of the work:** Verticilosis del olivo
Name of the event: II Jornada Difusión Tecnológica Futuroлива 2008 "Control de plagas y enfermedades en el olivar"
Type of event: Workshop
Reasons for participation: Upon invitation
Geographical area: Regional
City of event: Baeza (Jaén), Andalusia, Spain
Date of event: 30/05/2008
Organising entity: Universidad de Jaén **Type of entity:** University
Jesús Mercado Blanco.
- 6** **Title of the work:** Técnicas de diagnóstico de la Verticilosis del olivo
Name of the event: XIV Feria del Olivo de Montoro de Córdoba
Type of event: Workshop
Reasons for participation: Upon invitation
Geographical area: Regional



City of event: Montoro (Córdoba), Andalusia, Spain
Date of event: 17/05/2008
Jesús Mercado Blanco.

- 7** **Title of the work:** Sin título
Name of the event: Jornadas de Orientación Laboral
Type of event: Workshop
Reasons for participation: Upon invitation
Geographical area: Regional
City of event: Córdoba, Andalusia, Spain
Date of event: 11/06/2006
Organising entity: Universidad de Córdoba **Type of entity:** University
Jesús Mercado Blanco.

- 8** **Title of the work:** Control biológico de la Verticilosis en plántones de olivo de vivero mediante *Pseudomonas* spp.
Name of the event: Jornadas de Investigación y Transferencia de Tecnología al Sector Oleícola
Type of event: Workshop
Geographical area: Regional
City of event: Córdoba, Andalusia, Spain
Date of event: 2002
Organising entity: Dirección general de investigación y formación agraria y pesquera, Junta de Andalucía
Jesús Mercado Blanco; Dolores Rodríguez Jurado; Ana Hervás Vargas; Rafael M. Jiménez Díaz. En: Jornadas de Investigación y Transferencia de Tecnología al Sector Oleícola.

- 9** **Title of the work:** Diagnóstico molecular de los patotipos defoliante y no defoliante de *Verticillium dahliae* en plantas de olivo infectadas
Name of the event: Jornadas de Investigación y Transferencia de Tecnología al Sector Oleícola
Type of event: Workshop
Geographical area: Regional
City of event: Córdoba, Andalusia, Spain
Date of event: 2002
Organising entity: Dirección general de investigación y formación agraria y pesquera, Junta de Andalucía
Jesús Mercado Blanco; Dolores Rodríguez Jurado; Salud Parrilla Araujo; Encarnación Pérez Artés; Rafael M. Jiménez Díaz. En: Jornadas de Investigación y Transferencia de Tecnología al Sector Oleícola.

Other dissemination activities

Title of the work: Análisis transcriptómico del estrés por frío en el olivo
Name of the event: Terceras jornadas sobre investigación en biotecnología y biomedicina. Máster universitario en biotecnología y biomedicina por la Universidad de Jaén
Type of event: Jornada **Geographical area:** Regional
City of event: Jaén, 19/12/2013, Spain
Date of event: 19/12/2013
Organising entity: Universidad de Jaén **Type of entity:** University
City organizing entity: Jaén, Andalusia, Spain
M. O Leyva-Pérez; J. Jiménez-Ruiz; R. Valderrama; J.B. Barroso; J. Mercado-Blanco; F. Luque. En: Actas de las Jornadas.

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1** **Committee title:** Guest Editor of the Special Issue "Biological Control of tree and woody plant diseases" de la revista BioControl (SCI)
Affiliation entity: Springer (Journal of the International Organization for Biological Control [IOBC])
Start date: 2015
- 2** **Committee title:** Guest Associate Editor for the Research Topic "Harnessing useful rhizosphere microorganisms for pathogen and pest biocontrol" de la revista Frontiers in Microbiology (SCI)
Affiliation entity: <http://www.frontiersin.org/>
Start date: 2014
- 3** **Committee title:** Guest Editor of the Special Issue "Soil, Plants and Endophytes" de la revista Plant and Soil (SCI)
Affiliation entity: Springer (bajo los auspicios de la Royal Netherlands Society of Agricultural Sciences)
Start date: 2014
- 4** **Committee title:** Miembro del 'Editorial Board' de la revista The Scientific World Journal
Affiliation entity: Hindawi Publishing Corporation
Start date: 09/2013
- 5** **Committee title:** 'Associate Editor' de la revista (SCI) BioControl
Affiliation entity: Springer (Journal of the International Organization for Biological Control [IOBC])
Start date: 05/2010
- 6** **Committee title:** 'Section Editor' de la revista (SCI) Plant and Soil
Affiliation entity: Springer (bajo los auspicios de la Royal Netherlands Society of Agricultural Sciences)
Start date: 04/2008

Organization of R&D activities

- 1** **Title of the activity:** 7th meeting of the IOBC/wprs WG "Integrated Protection of Olive Crops"
Type of activity: Miembro del Comité Científico **Geographical area:** Non EU International
City convening entity: kalamata, Greece
Start-End date: 02/03/2015 - 30/04/2015
- 2** **Title of the activity:** EU PHARE Twinning Project CZ02/IB/AG-03 "Strengthening Special Diagnostic Methods in Phyto-sanitary administration-Plant Health" (Olomouc, República Checa, diciembre 2003; Córdoba, enero 2004)
Type of activity: Short-term expert **Geographical area:** European Union
City convening entity: Olomouc, Czech Republic
Start-End date: 12/2003 - 01/2004
- 3** **Title of the activity:** 8th International Verticillium Symposium
Type of activity: Miembro del Comité Organizador **Geographical area:** Non EU International
City convening entity: Córdoba, Spain



Start date: 11/2001

R&D management

Name of the activity: Comisión de Selección de Proyectos de Investigación del Programa Nacional de Recursos y Tecnologías Agroalimentarias, Áreas AGL/FOR

Performed tasks: Miembro de la Comisión

Start date: 2005

Evaluation and revision of R&D projects and articles

1 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de Proyectos de Investigación

Entity where activity was carried out: Agencia Nacional de Evaluación y Prospectiva **Type of entity:** ANEP

Start date: 2015

2 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de Proyectos de Investigación

Entity where activity was carried out: 'MARD Facilitating Grant Program' del 'The United States - Israel Binational Agricultural Research and Development Fund'

City of entity: Israel

Start date: 2014

3 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de Proyectos de Investigación

Entity where activity was carried out: Agencia Nacional de Investigación e Innovación (ANII) de Uruguay

City of entity: Uruguay

Frequency of the activity: 8

Start date: 2014

4 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de Proyectos de Investigación

Entity where activity was carried out: Agencia para la Calidad del Sistema Universitario de Castilla y León **Type of entity:** ACSUCYL

Start date: 2014

5 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de Proyectos de Investigación

Entity where activity was carried out: Agencia Nacional de Evaluación y Prospectiva **Type of entity:** ANEP

Start date: 2014

6 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de Proyectos de Investigación

Entity where activity was carried out: Deutsche Forschungsgemeinschaft (German Research Foundation) **Type of entity:** Foundation

City of entity: Germany



Start date: 2013

7 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de la convocatoria de Ayuda a Proyectos de Investigación en los Centros Públicos de I+D+I de la Comunidad Autónoma de Extremadura

Entity where activity was carried out: Agencia Andaluza del Conocimiento

Start date: 2013

8 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de Proyectos de Investigación

Entity where activity was carried out: Agencia Nacional de Evaluación y Prospectiva **Type of entity:** ANEP

Start date: 2012

9 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de Proyectos de Investigación

Entity where activity was carried out: Agencia para la Calidad del Sistema Universitario de Castilla y León **Type of entity:** ACSUCYL

Start date: 2011

10 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de Proyectos de Investigación

Entity where activity was carried out: Agencia Nacional de Evaluación y Prospectiva **Type of entity:** ANEP

Start date: 2011

11 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de Proyectos de Investigación

Entity where activity was carried out: Agencia Nacional de Evaluación y Prospectiva **Type of entity:** ANEP

Start date: 2010

12 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de Proyectos de Investigación

Entity where activity was carried out: Agencia para la Calidad del Sistema Universitario de Castilla y León **Type of entity:** ACSUCYL

Start date: 2010

13 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de Proyectos de Investigación

Entity where activity was carried out: Agencia Nacional de Evaluación y Prospectiva **Type of entity:** ANEP

Start date: 2009

14 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo para la contratación de Doctores/Tecnólogos

Entity where activity was carried out: FUNDACIÓN PARQUE CIENTÍFICO TECNOLÓGICO AULA DEI

Start date: 2009



- 15 Name of the activity:** Evaluador
Performed tasks: Evaluador anónimo de Proyectos de Investigación
Entity where activity was carried out: Instituto Andaluz de Biotecnología **Type of entity:** R&D Centre
Start date: 2008
- 16 Name of the activity:** Evaluador
Performed tasks: Evaluador anónimo de Proyectos de Investigación
Entity where activity was carried out: Agencia Nacional de Evaluación y Prospectiva **Type of entity:** ANEP
Start date: 2008
- 17 Name of the activity:** Evaluador
Performed tasks: Evaluador anónimo de Proyectos de Investigación
Entity where activity was carried out: Agencia Nacional de Evaluación y Prospectiva **Type of entity:** ANEP
Start date: 2007
- 18 Name of the activity:** Evaluador
Performed tasks: Evaluador anónimo de Proyectos de Investigación
Entity where activity was carried out: Agencia Nacional de Evaluación y Prospectiva **Type of entity:** ANEP
Start date: 2005
- 19 Name of the activity:** Evaluador
Performed tasks: Evaluador anónimo de Proyectos de Investigación
Entity where activity was carried out: Agencia Nacional de Evaluación y Prospectiva **Type of entity:** ANEP
Start date: 2004
- 20 Name of the activity:** Evaluador
Performed tasks: Evaluador anónimo de artículos de I+D+i
Entity where activity was carried out: African Journal of Agricultural Research
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
- 21 Name of the activity:** Evaluador
Performed tasks: Evaluador anónimo de artículos de I+D+i
Entity where activity was carried out: African Journal of Biotechnology
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
- 22 Name of the activity:** Evaluador
Performed tasks: Evaluador anónimo de artículos de I+D+i
Entity where activity was carried out: African Journal of Microbiology Research
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
- 23 Name of the activity:** Evaluador
Performed tasks: Evaluador anónimo de artículos de I+D+i
Entity where activity was carried out: Agronomy



Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International

24 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de artículos de I+D+i

Entity where activity was carried out: Frontiers of Agriculture in China

Type of activity: Review of articles in scientific or technological journals

Geographical area: Non EU International

25 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de artículos de I+D+i (revista SCI)

Entity where activity was carried out: Applied Soil Ecology

Type of activity: Review of articles in scientific or technological journals

Geographical area: Non EU International

26 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de artículos de I+D+i (revista SCI)

Entity where activity was carried out: Environmental Microbiology

Type of activity: Review of articles in scientific or technological journals

Geographical area: Non EU International

27 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de artículos de I+D+i (revista SCI)

Entity where activity was carried out: European Journal of Plant Pathology

Type of activity: Review of articles in scientific or technological journals

Geographical area: Non EU International

28 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de artículos de I+D+i (revista SCI)

Entity where activity was carried out: FEMS Microbiology Ecology

Type of activity: Review of articles in scientific or technological journals

Geographical area: Non EU International

29 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de artículos de I+D+i (revista SCI)

Entity where activity was carried out: International Microbiology

Type of activity: Review of articles in scientific or technological journals

Geographical area: Non EU International

30 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de artículos de I+D+i (revista SCI)

Entity where activity was carried out: Journal of Applied Microbiology

Type of activity: Review of articles in scientific or technological journals

Geographical area: Non EU International

31 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de artículos de I+D+i (revista SCI)

Entity where activity was carried out: Journal of Bacteriology

Type of activity: Review of articles in scientific or technological journals

Geographical area: Non EU International



- 32 Name of the activity:** Evaluador
Performed tasks: Evaluador anónimo de artículos de I+D+i (revista SCI)
Entity where activity was carried out: Journal of Phytopathology
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
- 33 Name of the activity:** Evaluador
Performed tasks: Evaluador anónimo de artículos de I+D+i (revista SCI)
Entity where activity was carried out: Microbial Biotechnology
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
- 34 Name of the activity:** Evaluador
Performed tasks: Evaluador anónimo de artículos de I+D+i (revista SCI)
Entity where activity was carried out: Microbial Ecology
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
- 35 Name of the activity:** Evaluador
Performed tasks: Evaluador anónimo de artículos de I+D+i (revista SCI)
Entity where activity was carried out: New Phytologist
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
- 36 Name of the activity:** Evaluador
Performed tasks: Evaluador anónimo de artículos de I+D+i (revista SCI)
Entity where activity was carried out: PeerJ
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
- 37 Name of the activity:** Evaluador
Performed tasks: Evaluador anónimo de artículos de I+D+i (revista SCI)
Entity where activity was carried out: Phytoparasitica
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
- 38 Name of the activity:** Evaluador
Performed tasks: Evaluador anónimo de artículos de I+D+i (revista SCI)
Entity where activity was carried out: Phytopathologia Mediterranea
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
- 39 Name of the activity:** Evaluador
Performed tasks: Evaluador anónimo de artículos de I+D+i (revista SCI)
Entity where activity was carried out: Plant Disease
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
- 40 Name of the activity:** Evaluador
Performed tasks: Evaluador anónimo de artículos de I+D+i (revista SCI)
Entity where activity was carried out: Plant Pathology



Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International

41 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de artículos de I+D+i (revista SCI)
Entity where activity was carried out: Plant Pathology
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International

42 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de artículos de I+D+i (revista SCI)
Entity where activity was carried out: Plant and Soil
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International

43 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de artículos de I+D+i (revista SCI)
Entity where activity was carried out: Research in Microbiology
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International

44 Name of the activity: Evaluador

Performed tasks: Evaluador anónimo de artículos de I+D+i (revista SCI)
Entity where activity was carried out: World Journal of Microbiology and Biotechnology
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International

Other achievements

Stays in public or private R&D centres

1 Entity: Utrecht University

Type of entity: University

Faculty, institute or centre: Dept. Plant Ecology and Evolutionary Biology, Section Phytopathology

City of entity: Utrecht, Holland

Start-End date: 04/1995 - 03/1997

Funding entity: UE

Name of programme: Human Capital and Mobility

Goals of the stay: Post-doctoral

Provable tasks: Molecular genetic analysis of factors from non-pathogenic bacteria in the rhizosphere of plants that induce resistance to pathogens

2 Entity: Utrecht University

Type of entity: University

Faculty, institute or centre: Dept. Plant Ecology and Evolutionary Biology (Section Phytopatology)

City of entity: Utrecht,

Start-End date: 01/1994 - 03/1995

Duration: 1176 days

Funding entity: Ministerio de Educación, Política Social y Deporte

Name of programme: Becas postdoctorales MEC

Goals of the stay: Post-doctoral



- 3** **Entity:** University of California **Type of entity:** University
Faculty, institute or centre: Center for Molecular Genetics
City of entity: San Diego, United States of America
Start-End date: 12/1990 - 02/1991 **Duration:** 84 days
Goals of the stay: Doctorate
Provable tasks: Studies on plasmid replication and stability
- 4** **Entity:** College of Plant Protection, Agricultural University of Hebei **Type of entity:** University
City of entity: Baoding, China
Start date: 10/2008 **Duration:** 14 days
Funding entity: CSIC
Goals of the stay: Guest
Provable tasks: Incidencia de Verticilosis en ciertos cultivos de China y posibilidades de aplicación de estrategias de control biológico: evaluación de perspectivas de cooperación
- 5** **Entity:** Utrecht University **Type of entity:** University
Faculty, institute or centre: Dept. Plant Ecology and Evolutionary Biology, Section Phytopathology
City of entity: Utrecht,
Start date: 1998 **Duration:** 35 days
Name of programme: Molecular genetic analysis of factors from non-pathogenic bacteria in the rhizosphere of plants that induce resistance to pathogens.
Goals of the stay: Post-doctoral

Scientific societies and professional associations

- 1** **Name of the society:** Miembro
Affiliation entity: Marie Curie Fellowship Association (MCFA)
- 2** **Name of the society:** Socio
Affiliation entity: SOCIEDAD ESPAÑOLA DE BIOTECNOLOGIA
- 3** **Name of the society:** Socio
Affiliation entity: SOCIEDAD ESPAÑOLA DE FITOPATOLOGIA

Prizes, mentions and distinctions

Description: 2º Accésit Premio Phytoma a una comunicación oral presentada en el XII Congreso de la Sociedad Española de Fitopatología
Awarding entity: Phytoma **Type of entity:** Editorial
City awarding entity: Lloret de Mar (Gerona), Catalonia, Spain
Conferral date: 2004

Periods of research activity

- 1** **Nº of recognized periods:** 4
Geographical area: National
Certifying entity: Consejo Superior de Investigaciones Científicas
City certifying entity: Spain
Type of entity: State agency
- 2** **Nº of recognized periods:** 4
Geographical area: National
Certifying entity: Comisión Nacional Evaluadora de la Actividad Investigadora (CNEAI)
City certifying entity: Spain

Summary of other achievements

- 1** **Description of the achievement:** Ponencia invitada en la Sesión Científica "The application of beneficial microorganisms in sustainable agriculture"
Accrediting entity: University of Agricultural Sciences and Veterinary Medicine, Iasi (Rumanía)
City accrediting entity: Iasi, Romania
Conferral date: 23/10/2015
- 2** **Description of the achievement:** Ponencia invitada en el XXV Congreso nacional de Microbiología
Accrediting entity: SOCIEDAD ESPAÑOLA DE MICROBIOLOGIA
City accrediting entity: Logroño, Spain
Conferral date: 09/07/2015
- 3** **Description of the achievement:** Moderador de sesión en la EU-ASIA Dialogue, Policy Conference 'Food Security in the Context of Climate Change'
Accrediting entity: Fundación Konrad Adenauer
City accrediting entity: Kathmandú, Nepal
Conferral date: 20/03/2014
Type of entity: Foundation
- 4** **Description of the achievement:** Seminario invitado en el Institute of Environmental Biology, Graduate School of Life Sciences
Accrediting entity: Utrecht University
City accrediting entity: Utrecht, Holland
Conferral date: 18/07/2013
- 5** **Description of the achievement:** Seminario invitado en la Università degli Studi di Bari - Aldo Moro
Accrediting entity: Università degli Studi di Bari - Aldo Moro
City accrediting entity: Bari, Italy
Conferral date: 24/03/2011
Type of entity: University
- 6** **Description of the achievement:** Conferencia invitada en el Henan Institute of Science and Technology
Accrediting entity: Henan Institute of Science and Technology
City accrediting entity: Xinxiang, China
Type of entity: University



Conferral date: 26/10/2008

- 7** **Description of the achievement:** Seminario invitado en la Agricultural University of Hebei
Accrediting entity: Agricultural University of Hebei **Type of entity:** University
City accrediting entity: Baoding, China
Conferral date: 24/10/2008
- 8** **Description of the achievement:** Seminario invitado en la Chinese Academy of Agriculture
Accrediting entity: Chinese Academy of Agriculture **Type of entity:** State agency
City accrediting entity: Beijing, China
Conferral date: 16/10/2008
- 9** **Description of the achievement:** Seminario invitado en la Estación Experimental del Zaidín (CSIC)
Accrediting entity: Estación Experimental del Zaidín **Type of entity:** State agency (CSIC)
City accrediting entity: Granada, Andalusia, Spain
Conferral date: 20/06/2008
- 10** **Description of the achievement:** Seminario invitado en la ETSIAM, Universidad de Córdoba
Accrediting entity: Universidad de Córdoba **Type of entity:** University
City accrediting entity: Córdoba, Andalusia, Spain
Conferral date: 07/06/2000
- 11** **Description of the achievement:** Seminario invitado en la Facultad de Ciencias de la Universidad de Córdoba
Accrediting entity: Universidad de Córdoba **Type of entity:** University
City accrediting entity: Córdoba, Andalusia, Spain
Conferral date: 13/02/1998
- 12** **Description of the achievement:** Seminario invitado en la Estación Experimental del Zaidín (CSIC)
Accrediting entity: Estación Experimental del Zaidín **Type of entity:** State agency (CSIC)
City accrediting entity: Granada, Andalusia, Spain
Conferral date: 14/11/1997