



Raquel Benavides Calvo

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Summary of CV

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

Forests' responses to global change: bridging gaps between ecology and management.

Dr. Benavides is a forest ecologist interested in the ecological and management effects of global change, drawing on different approaches and methods.

She earned her MSc in Forestry Engineering with Distinctions in 2004, at the Universidad Politécnica de Madrid (UPM), and during the last year, she got a "Research Initiation Scholarship" to work at the Ecology Department (Forestry Faculty, UPM).

She developed her PhD at Servicio Regional de Investigación y Desarrollo Agroalimentario, Asturias, with a FPI scholarship (Ministry Science and Technology), where she conducted a multi-scaled study to design and establish silvopastoral systems in mountainous areas and promote landscape conservation and population maintenance in rural areas. She used a multidisciplinary approach, including land planning tools and field experiments. The result was a Dissertation with honours at the University of Santiago in 2008, that got the PhD Award of the University. The skills acquired during this stage were complemented with 3-month research stays in different national and internationally recognized research centers (CIFOR-INIA Spain, AgResearch in New Zealand, The Macaulay Institute in UK).

As a PostDoc, she initiated new research lines and focused her interests on ecological processes and underlying mechanisms occurring in forest ecosystems under the climate change scenario. Firstly, working at the MNCN-CSIC with Prof. Valladares, she conducted a large-scaled study across the Spanish territory, collaborating with many groups and collaborating in national and international projects. Next, she moved to the University of Freiburg (Germany) with a Marie Curie IE Fellowship. There, she started to analyse the role of the intraspecific variability (phenotypic variability) of functional traits in the ecosystem functioning in European forests. Currently, she keeps on developing this line at MNCN-CSIC, within the European project GenTree (H2020) infer the extent of phenotypic plasticity and genetics on trait variability, and got an Assistant Researcher Position in CEF-ISA in Lisbon funded by the Portuguese Science and Technology Foundation to start in 2020.

Dr. Benavides' research is multidisciplinary, and produced 36 peer-reviewed publications (another 4 under review), one dataset published and two chapters of books. With 85% in



Q1 (100% of publications within the last 5 years), it shows an increasing potential of her career. Her work accumulates 1103 citations, with an h-index of 19 (Google Scholar). She has participated in 13 national- and European research projects, and she got a FPI Scholarship and a Marie Curie Fellowship. She has tutored 3 MSc students, 4 BSc students, and co-advised 2 PhD students (one to be evaluated), she has contributed to conferences with 44 works, and participated in international seminars and workshops. She regularly reviews papers from important journals (Ecol Lett, J Ecol, FORECO, etc), she has evaluated PostDoc Projects of AgreeSkills Program (INRA-EU co-funded), and was a member of two Scientific Committees of one national and one international conferences, and chaired one session in the latter. She has participated in knowledge transfer activities like the Science Week 2018, the European Researchers' Night 2019 or the COP25. She was on maternity leave in Jun 2014-Sep 2015 and Sep2017-Mar 2018.



General quality indicators of scientific research

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

Total number of PhD Thesis supervised: 2 (one to be defended)
Total number of Master Theses supervised: 3
Total number of Bachelor Theses supervised: 2 (another two in progress)

36 in peer-reviewed journals (34 in SCI journals) and 2 book chapters.

Quality indicators based on Google Scholar:

- Número de citas totales: 1103
- H-index: 19 (i10: 23)

Quality indicators based on SCOPUS

- Número de citas totales: 737
- H-index: 16

Quality indicators based on WOS

- Número de citas totales: 718
- H-index: 16

Other indicators can be found in:

- Research Gate: https://www.researchgate.net/profile/Raquel_Benavides
- ORCID CODE: 0000-0003-2328-5371
- ResearchID: K-8225-2012



Raquel Benavides Calvo

Surname(s): **Benavides Calvo**
 Name: **Raquel**
 ORCID: **0000-0003-2328-5371**
 ResearcherID: **K-8225-2012**

Current professional situation

Employing entity: Museo Nacional de Ciencias Naturales **Type of entity:** State agency

Professional category: Research Associate (PostDoc)

Start date: 13/09/2016

Type of contract: Temporary employment contract **Dedication regime:** Full time

Primary (UNESCO code): 241713 - Plant ecology; 241793 - Plant genetic resources; 310604 - Management; 310608 - Sylviculture

Previous positions and activities

	Employing entity	Professional category	Start date
1		Maternity leave	15/09/2017
2	Albert-Ludwigs-Universität	Research Associate (Marie Curie Postdoctoral Fellow)	01/02/2013
3		Maternity leave	08/06/2014
4	Museo Nacional de Ciencias Naturales	Research Associate (PostDoc)	01/02/2010
5	Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria	Research Associate (PostDoc)	26/01/2009
6	Servicio Regional de Investigación y Desarrollo Agroalimentario	Research Associate (PhD Candidate with a FPI Fellowship)	15/07/2004
7	Universidad Politécnica de Madrid. ETSI Montes	Research Assistant	01/11/2003

1 Professional category: Maternity leave
Start-End date: 15/09/2017 - 20/01/2018

2 Employing entity: Albert-Ludwigs-Universität **Type of entity:** University
Department: Geobotany, Biology Institute
City employing entity: Freiburg, Freiburg, Germany
Professional category: Research Associate (Marie Curie Postdoctoral Fellow)
Start-End date: 01/02/2013 - 15/07/2016 **Duration:** 3 years - 5 months - 15 days

Type of contract: Temporary
Dedication regime: Full time



Primary (UNESCO code): 241713 - Plant ecology; 241799 - Other
Identify key words: Biodiversity; Functional biology; Global change
Field of management activity: University

3 Professional category: Maternity leave
Start-End date: 08/06/2014 - 15/09/2015

4 Employing entity: Museo Nacional de Ciencias Naturales **Type of entity:** State agency
Department: Biogeography and Global Change, Museo Nacional de Ciencias Naturales
City employing entity: Madrid, Community of Madrid, Spain
Professional category: Research Associate (PostDoc)
Start-End date: 01/02/2010 - 31/12/2012 **Duration:** 2 years - 11 months
Type of contract: Temporary employment contract
Dedication regime: Full time
Primary (UNESCO code): 241713 - Plant ecology; 241715 - Plant growth; 241791 - Mediterranean Flora
Field of management activity: Public Research Body

5 Employing entity: Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria **Type of entity:** Public Research Body
Department: Silviculture, Centro de Investigación Forestal
City employing entity: Madrid, Community of Madrid, Spain
Professional category: Research Associate (PostDoc)
Start-End date: 26/01/2009 - 31/01/2010 **Duration:** 1 year - 6 days
Type of contract: Temporary employment contract
Dedication regime: Full time
Primary (UNESCO code): 310310 - Pastura; 310604 - Management; 310608 - Silviculture
Field of management activity: Public Research Body

6 Employing entity: Servicio Regional de Investigación y Desarrollo Agroalimentario **Type of entity:** R&D Centre
Department: Animal Husbandry Unit
City employing entity: Villaviciosa, Principality of Asturias, Spain
Professional category: Research Associate (PhD Candidate with a FPI Fellowship)
Start-End date: 15/07/2004 - 14/07/2008 **Duration:** 4 years
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Dedication regime: Full time
Primary (UNESCO code): 240102 - Animal behaviour; 310604 - Management; 310608 - Silviculture
Field of management activity: Public Research Body

7 Employing entity: Universidad Politécnica de Madrid. ETSI Montes
Department: Ecology and Soil Science, Universidad Politécnica de Madrid
City employing entity: Madrid, Community of Madrid, Spain
Professional category: Research Assistant
Start-End date: 01/11/2003 - 30/06/2003 **Duration:** 8 months
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Dedication regime: Part time
Primary (UNESCO code): 241713 - Plant ecology; 241791 - Mediterranean Flora; 310600 - Forestry



Education

University education

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

University degree: Higher degree

Name of qualification: Forestry Engineering

City degree awarding entity: Madrid, Community of Madrid, Spain

Degree awarding entity: Universidad Politécnica de Madrid **Type of entity:** University

Date of qualification: 01/12/2003

Average mark: Excellent

Doctorates

Doctorate programme: PhD in Forestry

Degree awarding entity: Universidad de Santiago de Compostela **Type of entity:** University

City degree awarding entity: Lugo, Galicia, Spain

Date of degree: 26/09/2008

DEA awarding entity: Universidad Politécnica de Madrid

Date DEA was awarded: 07/07/2005

European doctorate: Yes

Date of certificate: 26/09/2008

Thesis title: Knowledge and experiences for the development of sustainable silvopastoral systems in heathlands in Asturias

Thesis director: Koldo Osoro Otaduy

Thesis co-director: Sonia Roig Gómez

Obtained qualification: Sobresaliente Cum Laude

Recognition of quality: Yes

Special doctorate award: Yes

Date of award: 2009

Standardised degree: Yes

Date of standardisation: 26/09/2008

Other postgraduate university studies

Postgraduate qualification: Specialist on Advanced Statistical Methods

Degree awarding entity: Universidad Española a Distancia (UNED) **Type of entity:** University

Faculty, institute or centre: Faculty of Science

Date of qualification: 01/05/2010



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

- 1** **Training title:** Methods in forest conservation genetics
Awarding entity: INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)
End date: 2019 **Duration in hours:** 36 hours
- 2** **Training title:** R advanced
Awarding entity: DevAcademy
End date: 2018 **Duration in hours:** 6 hours
- 3** **Training title:** Cuantitative methods in Biogeography and Ecology: Phylogenetic and functional diversity
Awarding entity: Universidad de Alcalá de Henares
End date: 2017 **Duration in hours:** 30 hours
- 4** **Training title:** Basic methodology in Evolutionary Ecology
Awarding entity: Universidad Rey Juan Carlos **Type of entity:** University
End date: 2015 **Duration in hours:** 40 hours
- 5** **Training title:** Teaching in English
Awarding entity: Sprachlehrinstitut, Universität Freiburg, Deutschland
End date: 2014 **Duration in hours:** 30 hours
- 6** **Training title:** Dendrochronology applied to Ecology and Forest Management
Awarding entity: Gobierno de Andalucía
End date: 2010 **Duration in hours:** 40 hours
- 7** **Training title:** Introduction to Structural Equation Models
Awarding entity: Universidad del País Vasco- Asociación Española de Ecología Terrestre
End date: 2010 **Duration in hours:** 20 hours
- 8** **Training title:** Meta-analysis applied to Ecology
Awarding entity: Universidad Autónoma de Madrid **Type of entity:** University
End date: 2009 **Duration in hours:** 30 hours
- 9** **Training title:** Modelling on forest ecosystems
Awarding entity: Universidad de Valladolid **Type of entity:** University
End date: 2009 **Duration in hours:** 10 hours
- 10** **Training title:** Practical course on "R" software
Awarding entity: Museo Nacional de Ciencias Naturales-CSIC
End date: 2009 **Duration in hours:** 15 hours
- 11** **Type of training:** Doctoral course
Training title: Management and Planning of Protected Natural Habitats
Awarding entity: Universidad Politécnica de Madrid **Type of entity:** University
End date: 2006



- 12** **Type of training:** Doctoral course
Training title: Methods for research in agroforestry systems
Awarding entity: Universidad Politécnica de Madrid **Type of entity:** University
End date: 2006
- 13** **Type of training:** Doctoral course
Training title: Optimization of Agroforestry Systems
Awarding entity: Universidad Politécnica de Madrid **Type of entity:** University
End date: 2006
- 14** **Type of training:** Doctoral course
Training title: Remote sensing as a tool to study the Environment
Awarding entity: Universidad Politécnica de Madrid **Type of entity:** University
End date: 2006
- 15** **Training title:** Exploratory Statistics, natural patterns obtained by regression analysis
Awarding entity: Museo Nacional de Ciencias Naturales-CSIC
End date: 2006 **Duration in hours:** 30 hours
- 16** **Training title:** Statistics for Spatial Data
Awarding entity: Centro de Investigación Forestal (CIFOR-INIA)
End date: 2005 **Duration in hours:** 20 hours
- 17** **Training title:** Environmental Management on firms' performance
Awarding entity: Gobierno de la Comunidad de Madrid
End date: 2004 **Duration in hours:** 250 hours
- 18** **Training title:** Geographic Information Systems (GIS) and Environment Management
Awarding entity: Universidad Politécnica de Madrid **Type of entity:** University
End date: 2004 **Duration in hours:** 250 hours
- 19** **Training title:** Seminar on Protection Programms for Forest Fires
Awarding entity: Universidad Politécnica de Madrid **Type of entity:** University
End date: 2001 **Duration in hours:** 5 hours

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
German		B2	B1	B1	B1
English		C1	C1	C1	C1
Spanish		C2	C2	C2	C2



Teaching experience

Experience supervising doctoral thesis and/or final year projects

- 1 Project title:** El efecto de la ontogenia en la variabilidad intraspecifica de rasgos funcionales de la sabina albar (*Juniperus thurifera*)
Type of project: BSc Thesis
Entity: Universidad Rey Juan Carlos
Student: Borja Ruíz-Valdepeñas Martín
Date of reading: 02/2020
- 2 Project title:** Variabilidad intraspecifica de la nerviación foliar de especies arbóreas europeas a lo largo de gradientes ambientales
Type of project: BSc Thesis
Entity: Universidad Rey Juan Carlos
Student: Ana Sanz Barciela
Date of reading: 02/2020
Type of entity: University
- 3 Project title:** Variabilidad intraespecifica de rasgos funcionales en *Pinus sylvestris* a distintas escalas espaciales
Type of project: Doctoral thesis
Entity: Museo Nacional de Ciencias Naturales-CSIC-, Universidad Rey Juan Carlos
Student: Barbara de Carvalho Barbosa
Date of reading: 11/2019
- 4 Project title:** Influencia de la riqueza del dosel en la regeneración y coexistencia de especies leñosas en bosques europeos
Type of project: Doctoral thesis
Co-director of thesis: Fernando Valladares Ros
Entity: Universidad de Córdoba
Student: Cristina C. Bastias
Obtained qualification: Sobresaliente cum laude
Identify key words: Forest; Functional biology; Biodiversity; Plant ecology
Date of reading: 15/09/2017
European doctorate: Yes
Date of recognition: 15/09/2017
- 5 Project title:** Intraspecific variability of litter traits in along biotic and abiotic gradients of two different species: *Pinus sylvestri* and *Quercus ilex*
Type of project: MSc Thesis
Entity: Albert-Ludwigs-Universität, Freiburg, Germany
Student: Tobias Kern
Date of reading: 12/11/2016
- 6 Project title:** Intraspecific variability of leaf venation density of *Fagus sylvatica* L. and *Quercus faginea* Lam along environmental gradients
Type of project: BSc Thesis
Entity: Albert-Ludwigs-Universität, Freiburg, Germany
Student: Sarah Funck
Date of reading: 02/08/2016



- 7** **Project title:** Estudio de los patrones de regeneración de dos especies de pinos en el Pirineos a lo largo de sus gradientes altitudinales
Type of project: BSc Thesis
Co-director of thesis: Adrián Escudero
Entity: Universidad Rey Juan Carlos **Type of entity:** University
City of entity: Móstoles, Community of Madrid, Spain
Student: Marcos Zapatero Velasco
Obtained qualification: 10
Identify key words: Sustainable forest management; Plant ecology; Climate change
Date of reading: 2013
Quality recognition: Yes
- 8** **Project title:** Estudio de los patrones y causas de mortalidad en Pinus sylvestris y Pinus nigra en un bosque mediterráneo continental
Type of project: MSc Thesis
Co-director of thesis: Elena Granda
Entity: Universidad Autónoma de Madrid **Type of entity:** University
City of entity: Tres Cantos, Community of Madrid, Spain
Student: Estela Herguido Sevillano
Obtained qualification: 9.5
Identify key words: Tree; Forest conservation; Plant growth; Climate change
Date of reading: 2013
- 9** **Project title:** Modelización geoestadística de la distribución del carbono en el suelo de una dehesa
Type of project: MSc Thesis
Co-director of thesis: Fernando Montes Pita
Entity: Universidad Politécnica de Madrid **Type of entity:** University
City of entity: Madrid, Community of Madrid, Spain
Student: Nuria Simón
Obtained qualification: 9.5
Identify key words: Soil science; Environmental statistics; Global change; Agroforestry
Date of reading: 2010
Quality recognition: Yes **Date of award:** 01/04/2011

Most relevant contributions of your teaching CV

- 1** **Description:** PhD Co-advisor. Barbara Carvalho
Organising entity: Universidad Rey Juan Carlos **Type of entity:** University
End date: 2020
- 2** **Description:** PhD Co-advisor. Cristina Crespo Bastias.
Organising entity: Universidad de Córdoba
End date: 15/09/2017



Scientific and technological experience

Research and development groups/teams

- 1** **Name of the group:** REMEDINAL-4
Aims of the group: Ecological restoration of the region of Madrid: responses to global change
Name of principal investigator: Dr. Adrián Escudero
City of group: Madrid, Community of Madrid, Spain
Affiliation entity: CSIC-UPM-INIA-URJC-UCM-UAH **Type of entity:** R&D Centre
Start date: 2018 **Duration:** 4 years
- 2** **Name of the group:** REMEDINAL-3
Aims of the group: Ecological restoration of the region of Madrid: responses to global change
Name of principal investigator: Dr. Adrián Escudero
City of group: Madrid, Community of Madrid, Spain
Affiliation entity: CSIC-UPM-INIA-URJC-UCM-UAH **Type of entity:** R&D Centre
Relevant results: 94 published papers in less than 3 years
Start date: 2014 **Duration:** 4 years
- 3** **Name of the group:** REMEDINAL-2
Aims of the group: Ecological restoration of the region of Madrid
Name of principal investigator: Dr. Adrián Escudero
City of group: Madrid, Community of Madrid, Spain
Affiliation entity: CSIC-UPM-INIA-URJC-UCM-UAH **Type of entity:** R&D Centre
Relevant results: 94 published papers in less than 3 years
Start date: 2010 **Duration:** 2 years - 11 months
- 4** **Name of the group:** Laboratorio Internacional de Cambio Global (LINCGlobal)
Aims of the group: To coordinate the research and the scientific community between Europe and Latin America interested on the study of global change
Name of principal investigator: Dr. Carlos Duarte
Affiliation entity: CSIC- Universidad Católica de Chile **Type of entity:** R&D Centre
Start date: 2007 **Duration:** 5 years

Scientific or technological activities

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

- 1** **Name of the project:** REMEDINAL4-Conocimiento científico para avanzar hacia la consecución de los Objetivos de Desarrollo Sostenible: una ecología translacional es necesaria
Entity where project took place: URJC, MNCN-CSIC, UAM, UPM, UCM
City of entity: Madrid,
Name principal investigator (PI, Co-PI....): Adrián Escudero
Start-End date: 2018 - 2022
- 2** **Name of the project:** COMEDIAS: Comprendiendo el bosque mediterráneo: avance y sostenibilidad en escenarios de cambio global
Entity where project took place: Museo Nacional **Type of entity:** State agency
de Ciencias Naturales
Start-End date: 2018 - 2021
- 3** **Name of the project:** GenTree: Optimising the management and sustainable use of forest genetic resources in Europe
Type of project: Research and development, **Geographical area:** European Union
including transfer
Entity where project took place: Instituto de **Type of entity:** R&D Centre
Recursos Naturales y Agrobiología de Salamanca
City of entity: Avignon, France
Name principal investigator (PI, Co-PI....): Bruno Fady
Type of participation: Team member
Name of the programme: Horizon2020
Code according to the funding entity: 676876
Start-End date: 2016 - 2019
Dedication regime: Full time
- 4** **Name of the project:** REMEDINAL3 -CM Restauración y conservación de los ecosistemas madrileños: Respuesta frente al cambio global.
Identify key words: Sustainable forest management; Nature conservation; Ecology; Global change
Type of project: Research and development, **Geographical area:** Regional
including transfer
Degree of contribution: Researcher
Entity where project took place: Universidad Rey **Type of entity:** University
Juan Carlos
City of entity: Móstoles, Community of Madrid, Spain
Name principal investigator (PI, Co-PI....): Adrián Escudero; Fernando Valladares
Funding entity or bodies:
Consejería de Educación. Comunidad de Madrid **Type of entity:** State agency
City funding entity: Madrid
Type of participation: Team member
Name of the programme: Programa de Actividades de I+D de la Comunidad de Madrid
Code according to the funding entity: S-2013/MAE2719
Start-End date: 2014 - 2018
Participating entity/entities: UCM, UAM, UAH, UPM, CSIC, INIA



Dedication regime: Part time

5 Name of the project: DIVERFOR: Functional implications of inter- vs. intraspecific trait DIVERsity in European FORests Marie Curie IEF fellowship (FP7-PEOPLE-2011-IEF)

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

Entity where project took place: Albert-Ludwigs-Universität Freiburg

City of entity: Freiburg, Freiburg, Germany

Name principal investigator (PI, Co-PI....): Raquel Benavides Calvo

Nº of researchers: 3

Funding entity or bodies:

European Union

Type of participation: Principal investigator

Name of the programme: Marie Curie FP7-PEOPLE-2011-IEF

Start-End date: 2013 - 2016

Duration: 2 years

Total amount: 167.390,4 €

Sub-project amount: 167.000 €

Dedication regime: Full time

6 Name of the project: FunDivEUROPE: Functional significance of forest biodiversity in Europe

Identify key words: Forest conservation; Functional biology; Biodiversity

Type of project: Research and development, including transfer

Geographical area: European Union

Degree of contribution: Researcher

Entity where project took place:

Albert-Ludwigs-Universität Freiburg

Type of entity: University

City of entity: Freiburg, Germany

Name principal investigator (PI, Co-PI....): Michael Scherer-Lorenzen

Funding entity or bodies:

EU

Type of entity: State agency

Type of participation: Team member

Name of the programme: Seventh Framework Programm

Code according to the funding entity: CE: FP7-ENV-2010. Project number 265171.

Start-End date: 2011 - 2014

Duration: 4 years

Participating entity/entities: ALBERT-LUDWIGS-UNIVERSITAET FREIBURG (ALU-FR) STICHTING DIENST LANDBOUWKUNDIG ONDERZOEK (ALT) UNIVERSITAET FUER BODENKULTUR WIEN (BOKU) CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (C

Total amount: 6.989.407 €

Dedication regime: Full time

7 Name of the project: REMEDINAL2 -CM Restauración y conservación de los ecosistemas madrileños: Respuesta frente al cambio global.

Identify key words: Sustainable forest management; Nature conservation; Ecology; Global change

Type of project: Research and development, including transfer

Geographical area: Regional

Degree of contribution: Researcher

Entity where project took place: Universidad Rey Juan Carlos

Type of entity: University

City of entity: Móstoles, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): Adrián Escudero; Fernando Valladares

Funding entity or bodies:

Consejería de Educación. Comunidad de Madrid

Type of entity: State agency

City funding entity: Madrid



Type of participation: Team member

Name of the programme: Programa de Actividades de I+D de la Comunidad de Madrid

Code according to the funding entity: S2009/AMB-1783

Start-End date: 2010 - 2013

Participating entity/entities: UCM, UAM, UAH, UPM, CSIC, INIA

Dedication regime: Part time

8 Name of the project: MONTES: Spanish woodlands and global change: threads and oportunities

Identify key words: Forest conservation; Sustainable forest management; Global change

Type of project: Research and development, including transfer **Geographical area:** National

Degree of contribution: Researcher

Entity where project took place: Centre de Recerca Ecològica i Aplicacions Forestals **Type of entity:** Public Research Body

City of entity: Barcelona, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Javier Retana

Nº of researchers: 95

Funding entity or bodies:

Ministerio de Ciencia Innovación

Type of entity: State agency

Type of participation: Team member

Name of the programme: Programa CONSOLIDER-INGENIO

Code according to the funding entity: CSD2008-00040

Start-End date: 2009 - 2013

Duration: 4 years

Dedication regime: Full time

9 Name of the project: BACCARA: Biodiversity And Climate Change, A Risk Analysis

Identify key words: Forest conservation; Biodiversity status and trends; Environmental risks; Global change

Type of project: Research and development, including transfer **Geographical area:** European Union

Degree of contribution: Researcher

Entity where project took place: Institut National de la Recherche Agronomique (INRA)

City of entity: France

Name principal investigator (PI, Co-PI....): Hervé Jactel

Funding entity or bodies:

EU

Type of entity: Public Research Body

Type of participation: Team member

Name of the programme: Seventh Framework Program

Code according to the funding entity: C-FOOD/0556. Reference CE: FP7-22629

Start-End date: 2009 - 2012

Duration: 4 years

Total amount: 2.998.000 €

Dedication regime: Part time

10 Name of the project: El sistema agroforestal dehesa como sumidero de carbono: hacia un modelo conjunto de la vegetación y el suelo.

Identify key words: Sustainable forest management; Global change; Agroforestry

Type of project: Research and development, including transfer **Geographical area:** National

Degree of contribution: Researcher

Entity where project took place: Centro de Investigación Forestal **Type of entity:** Public Research Body



Name principal investigator (PI, Co-PI....): Sonia Roig; Agustín Rubio

Funding entity or bodies:

MINISTERIO DE EDUCACION Y CIENCIA

City funding entity: Spain

Type of participation: Team member

Name of the programme: Programa Nacional de Recursos y Tecnologías Agroalimentarias

Code according to the funding entity: SUM2006-00034-C02

Start-End date: 2007 - 2009

Duration: 2 years

Total amount: 172.812,4 €

Dedication regime: Full time

11 Name of the project: Estudio de estrategias de gestión de pastoreo en un brezal-tojal para el desarrollo sostenible de sistemas de producción animal e incremento de la biodiversidad.

Identify key words: Livestock farming; Biodiversity; Agroforestry; Sustainable agriculture

Type of project: Research and development, including transfer **Geographical area:** National

Degree of contribution: Researcher

Entity where project took place: Servicio Regional de Investigación y Desarrollo Agroalimentario **Type of entity:** R&D Centre

Name principal investigator (PI, Co-PI....): Koldo Osoro

Nº of researchers: 5

Funding entity or bodies:

MINISTERIO DE EDUCACION Y CIENCIA

City funding entity: Spain

Type of participation: Team member

Name of the programme: Plan Nacional I+D+i

Code according to the funding entity: AGL2003-05342

Start-End date: 2004 - 2006

Duration: 3 years

Total amount: 214.100 €

Dedication regime: Full time

12 Name of the project: FORBIOBEN: Integrating foraging attributes of domestic livestock breeds into sustainable systems for grassland biodiversity and wider countryside benefits.

Identify key words: Livestock; Sustainable agriculture

Identify key words: Livestock farming; Sustainable agriculture

Type of project: Research and development, including transfer **Geographical area:** European Union

Degree of contribution: Researcher

Entity where project took place: Institute of Grassland and Environmental Research **Type of entity:** R&D Centre

City of entity: Okehampton, United Kingdom

Name principal investigator (PI, Co-PI....): Andrew Rook; Koldo Osoro; Michiel Wallis de Vries; Johannes Isselstein; Giuseppe Parente; Peter Gaskell; Micher Pettit

Nº of researchers: 6

Funding entity or bodies:

EU

Type of participation: Team member

Name of the programme: Fifth Framework Program

Code according to the funding entity: QLRT-1999-30130/QLK5-2001-00130

Start-End date: 2001 - 2005

Duration: 4 years



Total amount: 178.000 €

Dedication regime: Part time

13 Name of the project: Restauración ecológica en ambientes de alto estrés: afloramientos de yesos en condiciones semiáridas.

Type of project: Research and development, including transfer

Geographical area: National

Degree of contribution: Technician

Entity where project took place: Universidad Politécnica de Madrid

Type of entity: University

City of entity: Madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): Adrian Escudero; Agustín Rubio

Funding entity or bodies:

MINISTERIO DE EDUCACION Y CIENCIA

City funding entity: Spain

Type of participation: Team member

Name of the programme: Plan Nacional I+D+i

Code according to the funding entity: REN2000-0254-P4-03

Start-End date: 2001 - 2003

Duration: 3 years

Dedication regime: Part time

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

Name of the project: Fertilización en dehesas de encinas y alcornoques: efecto en la productividad de pastos, bellotas y calidad del corcho

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Sonia Roig

Funding entity or bodies:

FERTIBERIA

Type of entity: Business

City funding entity: Madrid, Spain

Start date: 2010

Duration: 2 years



Scientific and technological activities

Scientific production

H index: 16

Date of application: 28/01/2019

Publications, scientific and technical documents

- 1** X. Ma; M. Mahecha; M. Migliavacca; F. van der Plas; R. Benavides; S. Ratcliffe; J. Kattge; R. Richter; T. Musavi; L. Baeten; I. Barnoiaea; F. Bohn; O. Bouriaud; F. Bussotti; T. Domisch; A. Huth; B. Jaroszewicz; J. Joswig; D.E. Pabón-Moreno; D. Papale; F. Selvi; G. Vaglio; M. Reichsten; F. Valladares; C. Wirth. Inferring plant functional diversity from space: exploring the potentials of Sentinel-2.Remote Sensing of Environment. 2236, pp. 111368. 2019.

Type of production: Scientific paper

Impact source: ISI **Category:** Environmental Science (miscellaneous)

Impact index in year of publication: 8.218

Position of publication: 7 **No. of journals in the cat.:** 250
- 2** B. Carvalho; C.C. Bastias; A. Escudero; F. Valladares; R. Benavides. Intraspecific perspective of plant economics spectrum and phenotypic integration of functional traits in Scots pine. PLOS ONE (in press). 2019.

Type of production: Scientific paper
- 3** R. Benavides; F. Valladares; S. Müller; C. Wirth; M. Scherer-Lorenzen. Intraspecific trait variability of tree species and their coexistence in European forests. Perspectives in Plant Ecology, Evolution and Systematics. 36, pp. 24 - 32. 2019.

Type of production: Scientific paper

Corresponding author: Yes

Impact source: ISI **Category:** Plant Science

Impact index in year of publication: 2.82 **Journal in the top 25%:** Yes

Position of publication: 48 **No. of journals in the cat.:** 222
- 4** C.C. Bastias; T. Morán-López; F. Valladares; R. Benavides. Seed size underlies the uncoupling in species composition between canopy and recruitment layers in European forests. Forest Ecology and Management. 449, 2019.

Type of production: Scientific paper

Impact source: ISI **Category:** Forestry

Impact index in year of publication: 3.126 **Journal in the top 25%:** Yes

Position of publication: 6 **No. of journals in the cat.:** 7
- 5** C.C. Bastias; D.A. Truchado; F. Valladares; O. Bouriaud; R. Benavides; H. Bruelheide; A. Coppi; L. Finér; T.E. Gimeno; B. Jaroszewicz; M. Scherer-Lorenzen; F. Selvi; M. de la Cruz. Species richness influences the spatial distribution of trees in European forests. Oikos (available online) <https://doi.org/10.1111/oik.06776>. 2019.

Type of production: Scientific paper

- 6** 1; J. Kattge; G. Bönisch; S. Díaz; S. Lavorel; I.C. Prentice; P. Leadley; [...]; R. Benavides; [...]. TRY plant trait database - enhanced coverage and open access. *Global Change Biology* (in press). 2019.
Type of production: Scientific paper
Position of signature: 37
Total no. authors: 304
Impact source: ISI
Impact index in year of publication: 8.8
Position of publication: 6
Category: Ecology
Journal in the top 25%: Yes
No. of journals in the cat.: 165
- 7** E. Martínez-Sancho; [...]; R. Benavides; [...]; P. Fonti. The GenTree Dendroecological Collection: tree-ring and wood density data from seven tree species across Europe. *Scientific Data* (in press). 2019.
Type of production: Scientific paper
Position of signature: 22
Total no. authors: 70
- 8** R. Benavides; M. Scherer-Lorenzen; F. Valladares. The functional trait space of tree species is influenced by the species richness of the canopy and the type of forest. *Oikos*. 128, pp. 1435 - 1445. 2019.
Type of production: Scientific paper
Position of signature: 1
Corresponding author: Yes
Impact source: ISI
Impact index in year of publication: 3.71
Position of publication: 36
Category: Ecology
Journal in the top 25%: Yes
No. of journals in the cat.: 158
- 9** F. van der Plas; S. Ratcliffe; P. Ruiz-Benito; M. Scherer-Lorenzen; K. Verheyen; C. Wirth; M. Zavala; E. Ampoorter; L. Baeten; L. Barbaro; C.C. Bastias; J. Bauhus; R. Benavides; A. Benneter; D. Bonal; O. Bouriaud; H. Bruelheide; F. Bussotti; M. Carnol; B. Castagneyrol; Y. Charbonnier; H. Cornelissen; J. Dahlgren; E. Checko; A. Coppi; S. Dawud; M. Deconchant; P. DeSmedt; H. de Wandeler; T. Domisch; L. Finer; M. Fotelli; A. Gessler; A. Granier; C. Grossiord; V. Guyot; J. Haase; S. Hattenschwiler; H. Jactel; B. Jaroszewicz; F.X. Joly; T. Jucker; S. Kambach; G. Kändler; J. Kattge; J. Koricheva; G. Kunstler; A. Lehtonen; M. Liebergessell; P. Manning; H. Milligan; S. Müller; B. Muys; D. Nguyen; C. Nock; B. Oshe; A. Paquette; J. Penuelas; M. Pollastrini; K. Radoglou; K. Raulund-Rasmussen; F. Roger; R. Seidl; F. Selvi; J. Stenlid; F. Valladares; J. van Keer; M. Fischer; L. Vesterdal; L. Gamfeldt; E. Allan. Continental mapping of forest ecosystem functions reveals a high but unrealized potential for forest multifunctionality. *Ecology Letters*. 21 - 1, pp. 31 - 42. 2018.
DOI: 10.1111/ele.12868
Type of production: Scientific paper
Corresponding author: No
Impact source: ISI
Impact index in year of publication: 9.449
Position of publication: 4
Source of citations: SCOPUS
Source of citations: Google Scholar
Category: Ecology
Journal in the top 25%: Yes
No. of journals in the cat.: 153
Citations: 9
Citations: 12
- 10** L. Baeten; H. Bruelheide; F. van der Plas; S. Kambach; S. Ratcliffe; T. Jucker; E. Allan; E. Ampoorter; L. Barbaro; C.C. Bastias; J. Bauhus; R. Benavides; D. Bonal; O. Bouriaud; F. Bussotti; M. Carnol; B. Castagneyrol; Y. Charbonnier; E. Checko; D. Coomes; J. Dahlgren; S. Dawud; H. de Wandeler; T. Domisch; L. Finer; M. Fischer; M. Fotelli; A. Gessler; C. Grossiord; V. Guyot; S. Hattenschwiler; H. Jactel; B. Jaroszewicz; F.X. Joly; J. Koricheva; A. Lehtonen; S. Müller; B. Muys; D. Nguyen; M. Pollastrini; K. Radoglou; K. Raulund-Rasmussen; P. Ruiz-Benito; F. Selvi; J. Stenlid; F. Valladares; K. Verheyen; C. Wirth; L. Vesterdal; M. Zavala; M. Scherer-Lorenzen. Identifying

the tree species compositions that maximize ecosystem functioning in European forests. *Journal of Applied Ecology*. 00, pp. 1 - 12. 2018.

DOI: 10.1111/ele.12868

Type of production: Scientific paper

Corresponding author: No

Impact source: ISI

Impact index in year of publication: 5.3

Position of publication: 15

Source of citations: SCOPUS

Source of citations: Google Scholar

Category: Ecology

Journal in the top 25%: Yes

No. of journals in the cat.: 153

Citations: 0

Citations: 1

- 11** C.C. Bastias; F. Valladares; N. Ricotte; R. Benavides. Local canopy richness does not influence phenotypic expression and plasticity of tree seedlings exposed to different resource availabilities. *Environmental and Experimental Botany*. 156, pp. 38 - 47. 2018.

Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication: 3.66

Position of publication: 25

Category: Plant Science

Journal in the top 25%: Yes

No. of journals in the cat.: 222

- 12** A.M. Heres; M. Kaye; E. Granda; R. Benavides; A. Lázaro-Nogal; A. Rubio-Casal; F. Valladares; J. Curiel. Tree vigour influences secondary growth but not responsiveness to climatic variability in Holm oak. *Dendrochronologia*. 49, pp. 68 - 76. 2018.

Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication: 2.259

Position of publication: 7

Category: Forestry

Journal in the top 25%: Yes

No. of journals in the cat.: 64

- 13** S. Ratcliffe; C. Wirth; T. Jucker; F. van der Plas; M. Scherer-Lorenzen; K. Verheyen; E. Allan; R. Benavides; H. Bruelheide; B. Oshe; A. Paquette; E. Ampoorter; C.C. Bastias; J. Bauhus; D. Bonal; O. Bouriaud; F. Bussotti; M. Carnol; B. Castagneyrol; E. Checko; A. Coppi; S. Dawud; H. de Wandeler; T. Domisch; L. Finer; M. Fischer; M. Fotelli; A. Gessler; A. Granier; C. Grossiord; V. Guyot; J. Haase; S. Hattenschwiler; H. Jactel; B. Jaroszewicz; F.X. Joly; S. Kolb; J. Koricheva; M. Liebergesell; P. Manning; H. Milligan; S. Müller; B. Muys; D. Nguyen; C. Nock; M. Pollastrini; O. Purschke; K. Radoglou; K. Raulund-Rasmussen; P. Ruiz-Benito; F. Roger; R. Seidl; F. Selvi; I. Seiferling; J. Stenlid; F. Valladares; L. Vesterdal; L. Baeten. Biodiversity and ecosystem functioning relations in European forests depend on environment context. *Ecology Letters*. 20 - 11, pp. 1414 - 1426. 2017.

DOI: 10.1111/ele.12849

Type of production: Scientific paper

Corresponding author: No

Impact source: ISI

Impact index in year of publication: 9.449

Position of publication: 4

Source of citations: SCOPUS

Source of citations: Google Scholar

Category: Ecology

Journal in the top 25%: Yes

No. of journals in the cat.: 153

Citations: 25

Citations: 32

- 14** C. C. Bastias; C. Fortunel; F. Valladares; C. Baraloto; R. Benavides; W. Cornwell; L. Markesteijn; A. A. de Oliveira; J. B.B. Sansevero; M. C. Vaz; N. Kraft. Intraspecific leaf trait variability along a boreal-to-tropical community diversity gradient. *PLOS ONE*. 12 - 2, pp. e0172495. 2017.

DOI: 10.1371/journal.pone.0172495



Type of production: Scientific paper

Corresponding author: No

Impact source: ISI

Impact index in year of publication: 3.057

Position of publication: 11

Source of citations: SCOPUS

Source of citations: Google Scholar

Category: Multidisciplinary

Journal in the top 25%: Yes

No. of journals in the cat.: 63

Citations: 5

Citations: 8

- 15** M. Pollastini; A. García Nogales; R. Benavides; D. Bonal; L. Finer; M. Fotelli; A. Gessler; C. Grossiord; K. Radoglou; R. J. Strasser; Filippo Bussotti. Tree diversity affects chlorophyll a fluorescence and other leaf traits of tree species in a boreal forest. *Tree Physiology*. 2, pp. 199 - 208. 2017.

DOI: 10.1093/treephys/tpw132

Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication: 3.587

Position of publication: 2

Source of citations: SCOPUS

Source of citations: Google Scholar

Category: Forestry

Journal in the top 25%: Yes

No. of journals in the cat.: 63

Citations: 2

Citations: 3

- 16** F. van der Plas; S. Soliveres; P. Manning; E. Allan; M. Scherer-Lorenzen; K. Verheyen; C. Wirth; M. A. Zavala; E. Ampoorter; L. Baeten; L. Barbaro; J. Bauhus; R. Benavides; et al. Biotic homogenization is more detrimental than local species loss for landscape-scale forest multifunctionality. *Proceedings of the National Academy of Sciences*. 113 - 13, pp. 3557 - 3562. 2016.

DOI: 10.1073/pnas.1517903113

Type of production: Scientific paper

Position of signature: 13

Total no. authors: 51

Impact source: ISI

Impact index in year of publication: 9.423

Position of publication: 4

Source of citations: SCOPUS

Source of citations: Google Scholar

Format: Journal

Corresponding author: No

Category: Multidisciplinary

Journal in the top 25%: Yes

No. of journals in the cat.: 63

Citations: 49

Citations: 65

- 17** E. Herguido; E. Granda; R. Benavides; A. I. García-Cervigón; J. J. Camarero; F. Valladares. Contrasting growth and mortality responses to climate warming of two pine species coexisting in a continental Mediterranean ecosystem. *Forest Ecology and Management*. 363, pp. 149 - 158. 2016.

DOI: 10.1016/j.foreco.2015.12.038

Type of production: Scientific paper

Corresponding author: No

Impact source: ISI

Impact index in year of publication: 2.826

Position of publication: 4

Source of citations: SCOPUS

Source of citations: Google Scholar

Format: Journal

Category: Forestry

Journal in the top 25%: Yes

No. of journals in the cat.: 66

Citations: 17

Citations: 19

- 18** F. van der Plas; S. Soliveres; P. Manning; E. Allan; M. Scherer-Lorenzen; K. Verheyen; C. Wirth; M. A. Zavala; A. Hector; E. Ampoorter; L. Baeten; L. Barbaro; J. Bauhus; R. Benavides; et al. Jack-of-all-trades' effects drive biodiversity-ecosystem multifunctionality relationships. *Nature Communications*. 7 - 11109, 2016.
DOI: 10.1038/ncomms11109
Type of production: Scientific paper
Position of signature: 14
Total no. authors: 51
Impact source: ISI
Impact index in year of publication: 11.329
Position of publication: 3
Source of citations: SCOPUS
Source of citations: Google Scholar
Format: Journal
Corresponding author: No
Category: Multidisciplinary
Journal in the top 25%: Yes
No. of journals in the cat.: 66
Citations: 47
Citations: 57
- 19** R. Benavides; A. Escudero; L. Coll; P. Ferrandis; R. Ogaya; F. Gouriveau; J. Peñuelas; F. Valladares. Recruitment patterns of four tree species along elevation gradients in Mediterranean mountains: not only climate matters. *Forest Ecology and Management*. 360, pp. 287 - 296. 2016.
DOI: 10.1016/j.foreco.2015.10.043
Type of production: Scientific paper
Corresponding author: Yes
Impact source: ISI
Impact index in year of publication: 2.826
Position of publication: 4
Source of citations: SCOPUS
Source of citations: Google Scholar
Category: Forestry
Journal in the top 25%: Yes
No. of journals in the cat.: 66
Citations: 11
Citations: 14
- 20** R. Benavides; A. Escudero; L. Coll; P. Ferrandis; F. Gouriveau; J. A. Hódar; R. Ogaya; S. G. Rabasa; E. Granda; B. P. Santamaría; J. Martínez-Vilalta; R. Zamora; J. M. Espelta; J. Peñuelas; F. Valladares. Survival vs. growth trade-off in early recruitment challenges global warming impacts on Mediterranean mountain trees. *Perspectives in Plant Ecology Evolution and Systematics*. 17, pp. 369 - 378. 2015.
DOI: 10.1016/j.ppees.2015.06.004
Type of production: Scientific paper
Corresponding author: Yes
Impact source: ISI
Impact index in year of publication: 3.578
Position of publication: 35
Source of citations: SCOPUS
Source of citations: Google Scholar
Category: Ecology
Journal in the top 25%: Yes
No. of journals in the cat.: 150
Citations: 12
Citations: 10
- 21** J. M. García-Del Barrio; R. Alonso-Ponce; R. Benavides; S. Roig. Species richness and similarity of vascular plants in the Spanish dehesas at two spatial scales. *Forest Systems*. 23 - 1, pp. 111 - 119. 2014.
DOI: 10.5424/fs/2014231-04521
Type of production: Scientific paper
Corresponding author: No
Impact source: ISI
Impact index in year of publication: 0.796
Position of publication: 37
Format: Journal
Category: Forestry
Journal in the top 25%: No
No. of journals in the cat.: 66

**Source of citations:** SCOPUS**Citations:** 2**Source of citations:** Google Scholar**Citations:** 3

- 22** L. Beaten; K. Verheyen; C. Wirth; H. Bruelheide; F. Bussotti; L. Finér; B. Jaroszewicz; F. Selvi; F. Valladares; E. Allan; E. Ampoorter; H. Auge; D. Av?c?ritei; I. B?rnoaiea; L. Barbaro; J. Bauhus; C. Beinhoff; R. Benavides; et al. A novel comparative research platform designed to determine the functional significance of tree species diversity in European forests. *Perspectives in Plant Ecology Evolution and Systematics*. 15 - 5, pp. 281 - 291. 2013.

DOI: 10.1016/j.ppees.2013.07.002**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 19**Total no. authors:** 76**Corresponding author:** No**Impact source:** ISI**Category:** Ecology**Impact index in year of publication:** 3.578**Journal in the top 25%:** Yes**Position of publication:** 35**No. of journals in the cat.:** 150**Source of citations:** SCOPUS**Citations:** 91**Source of citations:** Google Scholar**Citations:** 106

- 23** R. Benavides; S. Rabasa; E. Granda; A. Escudero; J. A. Hódar; J. Martínez-Vilalta; A. M. Rincón; R. Zamora; F. Valladares. Direct and indirect effects of climate on demography and early growth of *Pinus sylvestris* at the rear edge: changing roles of biotic and abiotic factors. *PLOS ONE*. 3 - 8, pp. e59824. doi:10.1371/journal.pone.0059824. 2013.

DOI: 10.1371/journal.pone.0059824**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** Yes**Impact source:** ISI**Category:** Multidisciplinary**Impact index in year of publication:** 3.534**Journal in the top 25%:** Yes**Position of publication:** 8**No. of journals in the cat.:** 55**Source of citations:** SCOPUS**Citations:** 28**Source of citations:** Google Scholar**Citations:** 29

- 24** S. Rabasa; E. Granda; R. Benavides; G. Kunstler; J. M. Espelta; R. Ogaya; M. Scherer-Lorenzen; W. Gil; S. Ambrozy; L. Jonsson; J. A. Hódar; R. Zamora; F. Valladares. Disparity in elevational shifts of European trees in response to recent climate warming. *Global Change Biology*. 19, pp. 2490 - 2499. 2013.

DOI: 10.1111/gcb.12220**Type of production:** Scientific paper**Format:** Journal**Impact source:** ISI**Category:** Ecology**Impact index in year of publication:** 8.224**Journal in the top 25%:** Yes**Position of publication:** 5**No. of journals in the cat.:** 141**Source of citations:** SCOPUS**Citations:** 42**Source of citations:** Google Scholar**Citations:** 52

- 25** L. M. M. Ferreira; R. Celaya; Ra. Benavides; B. Jauregui; M. A. M. Rodrigues; U. García; A. S. Santos; R. Rosa-García; K. Osoro. Foraging behaviour of domestic herbivore species grazing on heathlands associated with improved pasture areas. *Livestock Science*. 155, pp. 373 - 383. 2013.

DOI: 10.1016/j.livsci.2013.05.007**Type of production:** Scientific paper**Format:** Journal

**Corresponding author:** No**Impact source:** ISI**Impact index in year of publication:** 1.10**Position of publication:** 17**Source of citations:** SCOPUS**Source of citations:** Google Scholar**Category:** Science Edition - AGRICULTURE, DAIRY & ANIMAL SCIENCE**Journal in the top 25%:** No**No. of journals in the cat.:** 52**Citations:** 23**Citations:** 45

- 26** J. Vázquez-Piqué; R. Alejano Monge; R. Benavides Calvo; D. Martín Pérez; C. Lopez Carrasco; R. Macías Fernández; M. A. González-Pérez; Sven Mutke Regneri; S. Roig Gómez. Influencia del clima y la humedad del suelo en la fenología del crecimiento secundario de encina (*Quercus ilex* L. subsp. *ballota* [Desf.] Samp.) en un gradiente climático peninsular. Cuaderno de la Sociedad Española de Ciencias Forestales. 35, pp. 25. 2012. ISBN 978-84-937964-5-7

Type of production: Scientific paper**Format:** Journal**Corresponding author:** No**Source of citations:** Google Scholar**Citations:** 1

- 27** N. Simón; F. Montes; E. Diaz-Pines; R. Benavides; S. Roig; A. Rubio. Spatial distribution of soil carbon pool in a Holm oak dehesa in Spain. *Plant and Soil*. 366, pp. 537 - 549. 2012.

DOI: 10.1007/s11104-012-1443-9**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** No**Impact source:** ISI**Category:** Plant Science**Impact index in year of publication:** 2.638**Journal in the top 25%:** Yes**Position of publication:** 45**No. of journals in the cat.:** 197**Source of citations:** SCOPUS**Citations:** 27**Source of citations:** Google Scholar**Citations:** 40

- 28** A. Ameztegui; L. Coll; R. Benavides; F. Valladares; A. Paquette. Understorey light predictions in mixed conifer mountain forests: Role of aspect-induced variation in crown geometry and openness. *Forest Ecology and Management*. 276, pp. 52 - 61. 2012.

DOI: 10.1016/j.foreco.2012.03.021**Type of production:** Scientific paper**Format:** Book**Corresponding author:** No**Impact source:** ISI**Category:** Forestry**Impact index in year of publication:** 2.766**Journal in the top 25%:** Yes**Position of publication:** 2**No. of journals in the cat.:** 62**Source of citations:** SCOPUS**Citations:** 11**Source of citations:** Google Scholar**Citations:** 18

- 29** R. Celaya; B. M. Jauregui; R. Rosa-García; R. Benavides; U. García; K. Osoro. Changes in heathland vegetation under goat grazing: effects of breed and stocking rate. *Applied Vegetation Science*. 13, pp. 125 - 134. 2010.

DOI: 10.1111/j.1654-109X.2009.01054.x**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** No**Impact source:** ISI**Category:** Forestry**Impact index in year of publication:** 1.802**Journal in the top 25%:** Yes

**Position of publication:** 9**No. of journals in the cat.:** 54**Source of citations:** SCOPUS**Citations:** 20**Source of citations:** Google Scholar**Citations:** 31

- 30** I. McIvor; G. B. Douglas; R. Benavides. Coarse root growth of Veronese poplar trees varies with position on an erodible slope in New Zealand. *Agroforestry systems*. 76, pp. 251 - 264. 2009.

DOI: 10.1007/s10457-009-9209-y**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** No**Impact source:** ISI**Category:** Forestry**Impact index in year of publication:** 1.016**Journal in the top 25%:** No**Position of publication:** 22**No. of journals in the cat.:** 46**Source of citations:** SCOPUS**Citations:** 18**Source of citations:** Google Scholar**Citations:** 31

- 31** R. Benavides; R. Celaya; L. M. M. Ferreira; B. M. Jauregui; U. García; K. Osoro. Grazing behaviour of domestic ruminants according to flock type and subsequent vegetation changes on partially improved gorse-heather shrublands. *Spanish Journal of Agricultural Research*. 7 - 2, pp. 417 - 430. 2009. ISSN 1695-971X

Type of production: Scientific paper**Corresponding author:** Yes**Impact source:** ISI**Category:** Forestry**Impact index in year of publication:** 0.407**Journal in the top 25%:** No**Position of publication:** 25**No. of journals in the cat.:** 46**Source of citations:** SCOPUS**Citations:** 12**Source of citations:** Google Scholar**Citations:** 22

- 32** R. Benavides; S. Roig; K. Osoro. Potential productivity of forested areas based on a biophysical model. A case study of a mountainous region in northern Spain. *Annals of Forest Science*. 66, pp. 108 - 118. 2009.

DOI: 10.1051/forest/2008080**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** Yes**Impact source:** ISI**Category:** Forestry**Impact index in year of publication:** 1.441**Journal in the top 25%:** Yes**Position of publication:** 11**No. of journals in the cat.:** 46**Source of citations:** WOS**Citations:** 10**Source of citations:** Google Scholar**Citations:** 14

- 33** R. Benavides; G. B. Douglas; K. Osoro. Silvopastoralism in New Zealand: review of effects of evergreen and deciduous trees on pasture dynamics. *Agroforestry systems*. 76, pp. 327 - 350. 2009.

DOI: 10.1007/s10457-008-9186-6**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** Yes**Impact source:** ISI**Category:** Forestry**Impact index in year of publication:** 1.016**Journal in the top 25%:** No**Position of publication:** 22**No. of journals in the cat.:** 46

**Source of citations:** SCOPUS**Citations:** 35**Source of citations:** Google Scholar**Citations:** 68

- 34** R. Celaya; R. Benavides; U. Garcia; L. M. M. Ferreira; I. Ferre; A. Martínez; L. M. Ortega-Mora; K. Osoro. Grazing behaviour and performance of lactating suckler cows, ewes and goats on partially improved heathlands. *Animal*. 12 - 2, pp. 1818 - 1831. 2008.

DOI: 10.1017/S1751731108003224**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** No**Impact source:** ISI**Category:** Agriculture, Dairy and Animal Science**Impact index in year of publication:** 2.056**Journal in the top 25%:** Yes**Position of publication:** 4**No. of journals in the cat.:** 58**Source of citations:** SCOPUS**Citations:** 27**Source of citations:** Google Scholar**Citations:** 34

- 35** R Benavides; F. Montes; A. Rubio; K. Osoro; S. Roig. Cálculo de la productividad potencial forestal a escala regional basada en un modelo biofísico en la zona montañosa del norte de España, Asturias. *Cuadernos de la Sociedad Española de Ciencias Forestales*. 23, pp. 127 - 133. 2007. ISSN 1575-2410

Type of production: Scientific paper**Format:** Journal**Corresponding author:** Yes

- 36** R. Benavides; F. Montes; A. Rubio; K. Osoro. Geostatistical modelling of air temperature in mountainous region of northern Spain. *Agricultural & Forest Meteorology*. 146, pp. 173 - 188. 2007.

DOI: 10.1016/j.agrformet.2007.05.014**Type of production:** Scientific paper**Corresponding author:** Yes**Impact source:** ISI**Category:** Forestry**Impact index in year of publication:** 2.323**Journal in the top 25%:** Yes**Position of publication:** 1**No. of journals in the cat.:** 39**Source of citations:** SCOPUS**Citations:** 52**Source of citations:** Google Scholar**Citations:** 104

- 37** B. Carvalho; A.M. Heres; L. Casheda; V. Ledo Lanção; P. Castro; C.C. Bastias; A. Escudero; F. Valladares; R. Benavides. Age-dependent secondary growth in *Pinus sylvestris* L. varies as climate changes in its Mediterranean altitudinal limit. *Forest Ecology and Management* (under review).

Type of production: Scientific paper

- 38** M. Bernard; X. Morin; S. Said; V. Boulanger; E. Granda; R. Benavides; H. Jactel; M. Heurich; S.G. Rabasa; F. Valladares; S. van Beek Calkoen; G. Kunstler. Climate is a key driver of browsing on tree seedlings across Europe. *Journal of Ecology* (under review).

Type of production: Scientific paper

- 39** E. Ampoorter; D. Landuyt; C.C. Bastias; R. Benavides; S. Müller; M. Scherer-Lorenzen; F. Valladares; K. Verheyen. Importance of overstorey attributes for understorey litter production and nutrient cycling in European forests. *Forest Ecosystems* (under review).

Type of production: Scientific paper



- 40** R. Benavides; B. Fady; B. Carvalho; C.C. Bastias; [...]; F. Valladares. Variation of leaf traits in seven forest tree species across their European distribution. Scientific Data (under review).
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 72
Corresponding author: Yes
- 41** Valladares, F., Benavides, R., Rabasa, S. G., Pausas, J.G., Paula, S., Simon, W., Díaz, M. Global change and Mediterranean forests: current impacts and potential responses. Forests and Global Change. Cambridge University Press, 2014.
DOI: 10.1017/cbo9781107323506.005
Type of production: Book chapter
Format: Book
Source of citations: Google Scholar
Citations: 21
- 42** L.M.M Ferreira; R. Celaya; R. Benavides; U. García; K. Osoro. Comparison of animal performance of domestic herbivores grazing on partially improved heath lands. New trends for innovation in the Mediterranean animal production. pp. 143 - 147. Wageningen Academic Publishers, 2011.
DOI: 10.3920/978-90-8686-726-4_21
Type of production: Book chapter
Format: Book
Source of citations: SCOPUS
Citations: 5
Source of citations: Google Scholar
Citations: 12
- 43** R. Benavides. Knowledge and experiences for the development of sustainable silvopastoral systems in heathlands in Asturias. pp. 237. Santiago de Compostela, Galicia(Spain): Universidad de Santiago de Compostela, 2008. Available on-line at: <<http://tdx.cat/handle/10803/36564?show=full>>. ISBN 978-84-9887-088-6
Type of production: Scientific book or monograph
Format: Book
Degree of contribution: Author or co-author of entire book
Relevant publication: Yes
- 44** Data from the functional trait space of tree species is influenced by the species richness of the canopy and the type of forest. Dryad Digital Repository. 2019. Available on-line at: <<http://dx.doi.org/10.5061/dryad.5ck2qs1>>.
Type of production: Data paper

Works submitted to national or international conferences

- 1** **Title of the work:** Phenotypic integration of *Pinus sylvestris* along its distribution area.
Name of the conference: 15th European Ecological Federation Congress
Corresponding author: Yes
City of event: Lisbon, Portugal
Date of event: 29/07/2019
End date: 01/08/2019
Organising entity: University of Lisbon
R. Benavides; B. Carvalho; C.C. Bastias; A. Escudero; F. Valladares.
- 2** **Title of the work:** Seed size underlies the uncoupling in composition between canopy and recruitment layers in European forests
Name of the conference: 15th European Ecological Federation Congress
Corresponding author: No
City of event: Lisbon, Portugal
Date of event: 29/07/2019



End date: 01/08/2019

Organising entity: University of Lisbon

C.C. Bastias; T. Morán-López; F. Valladares; R. Benavides.

- 3 Title of the work:** Adaptive divergence of *Pinus sylvestris* populations across Europe: implications in a changing world.

Name of the conference: 1st Iberian Ecological Society Meeting (SIBECOL 2019)

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Barcelona, Spain

Date of event: 04/02/2019

End date: 07/02/2019

Organising entity: Universidad de Barcelona & SIBECOL

J.A. Ramírez-Valiente; A. Solé; R. Benavides; D. Danusevicius; K. Heer; E. Notivol; L. Opgenoorth; T. Pyhäjärvi; O. Savolaninen; J.J. Robledo.

- 4 Title of the work:** Functional space of tree species varies with the canopy species richness and this relation is context-dependant

Name of the conference: 1st Iberian Ecological Society Meeting

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Barcelona, Spain

Date of event: 04/02/2019

End date: 07/02/2019

Organising entity: Universidad de Barcelona & SIBECOL

Benavides R.; Scherer-Lorenzen M.; Valladares F.

- 5 Title of the work:** Tree competition effects on secondary growth of Scot pines in a Mediterranean altitudinal limit

Name of the conference: 1st Iberian Ecological Society Meeting

Type of event: Conference

Type of participation: Participatory - poster

City of event: Barcelona, Spain

Date of event: 04/02/2019

End date: 07/02/2019

Organising entity: Universidad de Barcelona & SIBECOL

Carvalho B.; Heres A.M.; Martín L.; Ledo V.; Castro P.; Bastias C.C.; Benavides R.; Valladares F.; Escudero A.

- 6 Title of the work:** Understanding plant community assembly under water limitation: an experimental test with long-lived species

Name of the conference: 1st Iberian Ecological Society Meeting (SIBECOL 1st Iberian Ecological Society Meeting)

Type of event: Conference

Type of participation: Participatory - poster

City of event: Barcelona, Spain

Date of event: 04/02/2019

End date: 07/02/2019

Organising entity: Universidad de Barcelona & SIBECOL

Bastias C.C.; Carvalho B.; Matesanz S.; Valladares F.; De la Cruz L.; Benavides R.



- 7** **Title of the work:** Potentials and challenges of remote sensing functional trait diversity by integrating high-resolution spaceborne multispectral and radar measurements
Name of the conference: 10th International Conference on Ecological Informatics
City of event: Jena, Germany
Date of event: 24/09/2018
End date: 28/09/2018
Organising entity: University of Jena (Germany) and iDiv
X. Ma; M. Mahecha; M. Migliavacca; T. Musavi; F. va der Plas; R. Richter; S. Ratcliffe; R. Benavides; D. Pabón; T. Domisch; L. Finér; J. Kattge; M. Reichstein; C. Wirth.
- 8** **Title of the work:** Species richness influences the spatial structure of European forests.
Name of the conference: BES, GFÖ, NEOCV and EEF Joint Annual Meeting: Ecology across borders
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Ghent, Belgium
Date of event: 11/12/2017
End date: 15/12/2017
Organising entity: British Ecological Society & European Ecological Federation & GFÖ, NEOCV
C.C. Bastias; D.A. Truchado; F. Valladares; O. Bouriaud; R. Benavides; H. Bruelheide; A. Coppi; L. Finer; T.E. Gimeno; B. Jaroszewicz; M. Scherer-Lorenzen; F. Selvi; M. de la Cruz.
- 9** **Title of the work:** Trait correlation network in Scots pine populations: a whole plant perspective
Name of the conference: BES, GFÖ, NEOCV and EEF Joint Annual Meeting: Ecology across borders
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Ghent, Belgium
Date of event: 11/12/2017
End date: 15/12/2017
Organising entity: British Ecological Society & European Ecological Federation & GFÖ, NEOCV
B. Carvalho; C.C Bastias; R. Benavides; F. Valladares; A. Escudero.
- 10** **Title of the work:** Are plant – ungulates interactions related to climate? Comparison of consumption indexes along elevation gradients across a latitudinal gradient of European sites
Name of the conference: XXXIII International Union of Game Biologists Congress
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Montpellier, France
Date of event: 14/08/2017
End date: 17/08/2017
Organising entity: Union of Game Biologists
M. Bernard; X. Morin; G. Kunstler; V. Boulanger; R. Benavides; S. G. Rabasa; E. Granda; F. Valladares; H. Jactel; S. Said.
- 11** **Title of the work:** El espacio funcional de las especies forestales varía con la riqueza de especies del dosel
Name of the conference: VII Congreso Forestal Español
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Plasencia, Spain
Date of event: 26/06/2017



End date: 30/06/2017

Organising entity: Sociedad Española de Ciencias Forestales

Type of contribution: Scientific paper

R. Benavides; M. Scherer-Lorenzen; F. Valladares. ISBN 978-84-941695-2-6

- 12** **Title of the work:** Phenotypic space of tree species responds to the canopy species richness
Name of the conference: XIV MEDECOS & XIII AEET Meeting: human driven scenarios for evolutionary and ecological changes
Type of event: Conference
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Seville, Spain
Date of event: 31/01/2017
End date: 03/02/2017
Organising entity: AEET, Universidad de Sevilla, Estación Biológica de Doñana
Type of contribution: Scientific paper
R. Benavides; M. Scherer-Lorenzen; F. Valladares.
- 13** **Title of the work:** Richer tree canopies do not increase recruitment richness nor abundance in five mature European forests
Name of the conference: XIV MEDECOS & XIII AEET Meeting: human driven scenarios for evolutionary and ecological changes
Type of event: Conference
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Seville, Spain
Date of event: 31/01/2017
End date: 03/02/2017
Organising entity: AEET, Universidad de Sevilla, Estación Biológica de Doñana
C.C. Bastias; T. Morán; R. Benavides; F. Valladares.
- 14** **Title of the work:** Severely defoliated holm oak trees show reduced growth rates compared to healthy ones, but similar responses to climatic conditions
Name of the conference: XIV MEDECOS & XIII AEET Meeting: human driven scenarios for evolutionary and ecological changes
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Seville, Spain
Date of event: 31/01/2017
End date: 03/02/2017
Organising entity: AEET, Universidad de Sevilla, Estación Biológica de Doñana
A.M. Heres; M. Kaye; R. Benavides; E. Granda; A. Lázaro; A. Rubio; F. Valladares; J. Curiel.
- 15** **Title of the work:** Efecto de la riqueza de árboles en el dosel forestal y factores bióticos y abióticos en la regeneración natural de diferentes especies arbóreas en bosques europeos
Name of the conference: II CONGRESO REMEDINAL - 3
Type of event: Seminar
Type of participation: Participatory - oral communication
City of event: Tres Cantos, Community of Madrid, Spain
Date of event: 21/06/2016



End date: 22/06/2016

Organising entity: Universidad Autónoma de Madrid **Type of entity:** University
C.C. Bastias; T. Morán; R. Benavides; F. Valladares.

16 Title of the work: Species diversity favours the intraspecific trait variability of tree species in three European forests.

Name of the conference: British Ecological Society Annual Symposium: Forests and Global Change

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Edinburgh, United Kingdom

Date of event: 13/12/2015

End date: 16/12/2015

Organising entity: British Ecological Society

With external admission assessment committee: Yes

R. Benavides; C. Wirth; F. Valladares; M. Scherer-Lorenzen.

17 Title of the work: The influence of canopy diversity and other environmental factors on tree species regeneration in six contrasting European forests

Name of the conference: IUFRO Landscape Ecology Working Group Conference

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Tartu, Estonia

Date of event: 23/08/2015

End date: 30/08/2015

Organising entity: IUFRO

C.C. Bastias; R. Benavides; J. B. B. Sansevero; A. G. Godoy; S. G. Rabasa; F. Valladares. ISBN 978-9949-9715-0-3

18 Title of the work: Using leaf traits to explain woody species coexistence along a species richness gradient

Name of the conference: 4th Iberian Congress of Ecology

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Coimbra, Portugal

Date of event: 16/06/2015

End date: 19/06/2015

Organising entity: Asociación Española de Ecología Terrestre & Sociedade Portuguesa de Ecologia

C. C. Bastias; C. Fortunel; F. Valladares; R. Benavides; W. Cornwell; L. Markesteijn; L. Poorter; J. B. B. Sansevero; M. Varitá; N. Kraft.

19 Title of the work: Death patterns in two pine species in a continental Mediterranean ecosystem: gradual or abrupt?

Name of the conference: TRACE- Tree-Rings in Archaeology, Climatology and Ecology

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Sevilla, Spain

Date of event: 20/05/2015

End date: 23/05/2015



Organising entity: Universidad Pablo de Olavide & Association for Tree-ring Research (ATR)
E. Herguido; R. Benavides; E. Granda; A. I. García-Cervigón; J. J. Camarero; F. Valladares.

20 Title of the work: Growth trends of declining Holm oak (*Quercus ilex* L.) trees: a study case from central Spain

Name of the conference: TRACE- Tree-Rings in Archaeology, Climatology and Ecology

Type of event: Conference

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Sevilla, Spain

Date of event: 20/05/2015

End date: 23/05/2015

Organising entity: Universidad Pablo de Olavide & Association for Tree-ring Research (ATR)

A. M. Heres; R. Benavides; A. Lázaro Nogal; A. Rubio Casal; E. Granda; F. Valladares; J. Curiel Yuste.

21 Title of the work: Demografía y crecimiento primario durante la regeneración de tres especies de pino a lo largo de gradientes climáticos

Name of the conference: VI Congreso Nacional Forestal

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Vitoria, Spain

Date of event: 10/06/2013

End date: 14/06/2013

Organising entity: Sociedad Española de Ciencias Forestales

R. Benavides; A. Escudero; S. G. Rabasa; E. Granda; L. Coll; P. Ferrandis; F. Gouriveau; J. A. Hódar; A. M. Ricón; J. Martínez-Vilalta; R. Zamora; F. Valladares. ISBN 978-84-937964-9-5

22 Title of the work: Efecto de la diversidad del dosel en la regeneración de diferentes especies arbóreas

Name of the conference: VI Congreso Nacional Forestal

Type of event: Conference

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Vitoria, Spain

Date of event: 10/06/2013

End date: 14/06/2013

Organising entity: Sociedad Española de Ciencias Forestales

Type of contribution: Scientific paper

C. C. Bastias; R. Benavides; S. G. Rabasa; J. B. B. Sansevero; A. G. Godoy; F. Valladares. ISBN 978-84-937964-9-5

23 Title of the work: Efectos del clima y factores locales sobre la regeneración de cinco especies arbóreas en gradientes altitudinales mediterráneos

Name of the conference: XI Congreso Nacional de la Asociación de Ecología Terrestre

Type of event: Conference

Type of participation: 'Participatory - poster

Corresponding author: Yes

City of event: Pamplona, Spain

Date of event: 06/05/2013

End date: 10/05/2013

Organising entity: Asociación Española de Ecología Terrestre



R. Benavides; A. Escudero; S. G. Rabasa; E. Granda; L. Coll; P. Ferrandis; F. Gouriveau; J. A. Hódar; A. M. Rincón; R. Ogaya; J. Martínez-Vilalta; R. Zamora; J. Espelta; J. Peñuelas; F. Valladares.

- 24** **Title of the work:** Regeneración natural en seis bosques europeos: efecto de la diversidad del dosel e importancia relativa de factores bióticos y abióticos.
Name of the conference: XI Congreso Nacional de la Asociación de Ecología Terrestre
Type of event: Conference
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Pamplona, Spain
Date of event: 06/05/2013
End date: 10/05/2013
Organising entity: Asociación Española de Ecología Terrestre
C. C. Bastias; R. Benavides; I. Carrascón; S. G. Rabasa; J. B. B. Sansevero; A. G. Godoy; F. Valladares.
- 25** **Title of the work:** Relative influence of climate on the regeneration of European forests
Name of the conference: 4th International Ecosummit. Ecological Sustainability
Type of event: Conference
Type of participation: Participatory - oral communication
Date of event: 30/09/2012
End date: 05/10/2012
Organising entity: Ohio University-USA
City organizing entity: Columbus, United States of America
F. Valladares; S. Rabasa; R. Benavides.
- 26** **Title of the work:** Merging research agendas to find global patterns: elevation and latitudinal gradients of forest regeneration across Europe
Name of the conference: Planet under Pressure
Type of event: Conference
Type of participation: Participatory - oral communication
Date of event: 26/03/2012
End date: 29/03/2012
Organising entity: IGBP-DIVERSITAS-IHDP-WCRP-ESSP
City organizing entity: London, United Kingdom
F. Valladares; S. Rabasa; R. Benavides; E. Granda; E. Doblas; J. Retana. "Planet under Pressure". En: Planet under Pressure.
- 27** **Title of the work:** Influencia del clima y la humedad de suelo en la fenología del crecimiento secundario de encina (*Quercus ilex* Lam.) en un gradiente climático peninsular
Name of the conference: III Reunión del Grupo de Ecología, Ecofisiología y Edafología de la Asociación Española de Ciencias Forestales
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Andalusia, Spain
Date of event: 09/11/2011
End date: 11/11/2011
Organising entity: Sociedad Española de Ciencias Forestales
City organizing entity: Huelva, Andalusia, Spain
Type of contribution: Scientific paper
Vázquez-Piqué, J., Alejano, R., Benavides, R., Martín, D., López-Carrasco, C., Macías, R., González. En: Cuaderno de la Sociedad Española de Ciencias Forestales. 35, pp. 125 - 133. 2012.



- 28** **Title of the work:** Modelización de la distribución espacial del carbono orgánico del suelo en dehesas
Name of the conference: IV Reunión del Grupo de Trabajo de Sistemas Agroforestales
Type of event: Conference
Type of participation: 'Participatory - poster
Date of event: 19/10/2011
End date: 21/10/2011
Organising entity: Sociedad Española de Ciencias Forestales
City organizing entity: Granada, Andalusia, Spain
N. Simón; F. Montes; E. Díaz-Pinés; R. Benavides; S. Roig; A. Rubio.
- 29** **Title of the work:** Growth patterns of *Pinus sylvestris* along altitudinal gradients in its southern limit of distribution (Spain)
Name of the conference: 12th European Ecology Federation Congress
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Ávila, Spain
Date of event: 25/09/2011
End date: 29/09/2011
Organising entity: AEET & European Federation of Ecology
City organizing entity: Spain
S. Rabasa; R. Benavides; J. Martínez-Vilalta; J.A. Hódar; R. Zamora; A. Rincón; E. Granda; F. Valladares.
- 30** **Title of the work:** Patterns of *Pinus sylvestris* recruitment under climate change scenarios: insights from altitudinal and latitudinal surveys
Name of the conference: 12th European Ecology Federation Congress
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Ávila, Spain
Date of event: 25/09/2011
End date: 29/09/2011
Organising entity: AEET & European Federation of Ecology
City organizing entity: Spain
R. Benavides; S. Rabasa; J. Martínez-Vilalta; J.A. Hódar; R. Zamora; A. Rincón; E. Granda; F. Valladares.
- 31** **Title of the work:** Biodiversidad de plantas vasculares en cuatro dehesas mediterráneas bajo un gradiente climático
Name of the conference: 50 Reunión de la Sociedad Española para el Estudio de los Pastos
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Toledo, Spain
Date of event: 09/05/2011
End date: 12/05/2011
Organising entity: Sociedad Española para el Estudio de los Pastos
City organizing entity: Toledo, Spain
Type of contribution: Scientific paper
R. Benavides; R. Alonso-Ponce; J.M. García del Barrio; S. Roig. En: Actas de 50 Reunión de la Sociedad Española para el Estudio de los Pastos. pp. 99 - 104. ISBN 978-84-614-8713-4



- 32** **Title of the work:** Efecto de la sequía en el estado y fenología de masas de *Quercus ilex* en dehesas del suroeste de Madrid
Name of the conference: 50 Reunión de la Sociedad Española para el Estudio de los Pastos. Pastos, paisajes culturales entre tradición y nuevos paradigmas del siglo XXI
Type of event: Conference
Type of participation: Participatory - oral communication
Date of event: 09/05/2011
End date: 12/05/2011
Organising entity: Sociedad Española para el Estudio de los Pastos
City organizing entity: Toledo, Castile-La Mancha, Spain
Type of contribution: Scientific paper
R. Benavides; A. Lazaro; F. Valladares. En: Actas 50 Reunión de la Sociedad Española para el Estudio de los Pastos. pp. 553 - 560. ISBN 978-84-614-8713-4
- 33** **Title of the work:** Effects of climate change in *Pinus sylvestris* recruitment: approach through a climate gradient
Name of the conference: II Mediterranean Forest Week (EFIMED)
Type of event: Conference
Type of participation: Participatory - poster
Corresponding author: Yes
Date of event: 05/04/2011
End date: 08/04/2011
Organising entity: EFIMED
City organizing entity: Avignon, France
R. Benavides; S. Rabasa; F. Valladares. En: Best Poster Award.
- 34** **Title of the work:** Recruitment and growth of *Pinus sylvestris* in its southern limit of distribution (Spain)
Name of the conference: British Ecological Society Annual Symposium: Forests and Global Change.
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - poster
Date of event: 28/03/2011
End date: 30/03/2011
Organising entity: British Ecological Society
City organizing entity: Cambridge, United Kingdom
S. Rabasa; R. Benavides; F. Valladares. "British Ecological Society Annual Symposium".
- 35** **Title of the work:** Can the dehesa system work as Carbon sink? Case of the 'Dehesón del Encinar' (Spain)
Name of the conference: 23rd General Meeting of the European Grassland Federation: Grassland in a changing world.
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - poster
City of event: Kiel, Germany
Date of event: 29/08/2010
End date: 02/09/2010
Organising entity: European Grassland Federation
City organizing entity: Kiel, Germany
1; S. Roig; C. López-Carrasco; R. Benavides; N. Simón; E. Díaz-Pinés; F. Montes; R. Alonso-Ponce; A. Rubio.
- 36** **Title of the work:** Intra and interregional variability in the diametric growth of Holm oak (*Quercus ilex* subs. *ballota* (Desf.) Samp.): influence of climate and soil factors through the combination of continuous and monthly measurements.



Name of the conference: The 8th International Conference on Dendrochronology. WorldDendro
Type of event: Conference
Type of participation: 'Participatory - poster
Date of event: 13/06/2010
End date: 18/06/2010
Organising entity: WorldDendro
City organizing entity: Rovaniemi, Finland
D. Martín; J. Vázquez-Piqué; S. Roig; R. Alejano; R. Benavides.

37 **Title of the work:** Modelización de la producción de pastos herbáceos en una dehesa del centro peninsular
Name of the conference: IV Iberian Meeting for Grasslands and Pastures
Type of event: Conference
Type of participation: 'Participatory - poster
Date of event: 03/05/2010
End date: 06/05/2010
Organising entity: Sociedad Española para el Estudio de los Pastos & Sociedade Portuguesa de Pastagens & Forragens
City organizing entity: Zamora- Miranda do Douro, Portugal
Type of contribution: Scientific paper
R. Benavides; S. Roig; R. Alonso-Ponce; C. López-Carrasco. En: Proceedings 4th IV Iberian Meeting for Grasslands and Pastures. pp. 493 - 500. Universidad de León, ISBN 978-84-9773-502-5

38 **Title of the work:** Sistemas silvopastorales de montaña: gestión pastoral en comunidades de brezal-tojal
Name of the conference: V Congreso Forestal Nacional
Type of event: Conference
Type of participation: Participatory - others
City of event: Avila, Castile and León, Spain
Date of event: 21/09/2009
End date: 25/09/2009
Organising entity: Sociedad Española de Ciencias Forestales
City organizing entity: Castile and León, Spain
R. Benavides; S. Roig; R. Celaya; L.M.M. Ferreira; K. Osoro.

39 **Title of the work:** Comparison of animal performance of domestic herbivores grazing on partially improved heathlands
Name of the conference: 10th International Mediterranean Symposium European Federation for Animal Science
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Corsica, France
Date of event: 06/11/2008
End date: 08/11/2008
Organising entity: EAAP-FAO-CIHEAM
Type of contribution: Scientific paper
L.M.M. Ferreira; R. Celaya; R. Benavides; R. Rosa; U. García; K. Osoro. "EAAP Publication Series". 129, Wageningen Academic Publishers, 2009. ISBN 978-90-8686-170-5

40 **Title of the work:** Plant-insect relationships in goat grazed heathlands
Name of the conference: 10th European Heathland Workshop
Type of event: Workshop
Type of participation: 'Participatory - poster



Reasons for participation: Review before acceptance

City of event: Bergen, Norway

Date of event: 24/06/2007

End date: 01/07/2007

Organising entity: University of Bergen

Type of entity: University

City organizing entity: Bergen, Norway

R. Rosa García; B.M. Jáuregui; R. Benavides; U. García; K. Osoro; R. Celaya.

41 Title of the work: Vegetation changes caused by sheep or goat grazing on northern Spain heathlands

Name of the conference: 10th European Heathland Workshop

Type of event: Workshop

Type of participation: 'Participatory - poster

City of event: Bergen, Norway

Date of event: 24/06/2007

End date: 01/07/2007

Organising entity: University of Bergen

City organizing entity: Bergen, Norway

B.M. Jáuregui; R. Benavides; R. Rosa; U. García; K. Osoro; R. Celaya.

42 Title of the work: Conducta de pastoreo de los rumiantes domésticos según tipo de rebaño en brezales-tojales parcialmente mejorado

Name of the conference: XLVI Reunión Científica de la Sociedad Española para el Estudio de los Pastos

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Vitoria, Basque Country, Spain

Date of event: 04/06/2007

End date: 08/06/2007

Organising entity: Sociedad Española para el Estudio de los Pastos

With external admission assessment committee: No

Type of contribution: Scientific paper

R. Benavides; B.M. Jáuregui; U. García; R. Celaya. II, pp. 23 - 27. Sociedad Española para el Estudio de los Pastos,

43 Title of the work: Modelización geoestadística de variables climáticas de interés pascícola en la zona occidental-interior de Asturias

Name of the conference: XLVI Reunión Científica de la Sociedad Española para el Estudio de los Pastos

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Vitoria, Basque Country, Spain

Date of event: 04/06/2007

End date: 04/06/2007

Organising entity: Sociedad Española para el Estudio de los Pastos

Type of contribution: Scientific paper

R. Benavides; S. Roig; F. Montes; A. Rubio; K. Osoro. I, pp. 17 - 23. Sociedad Española para el Estudio de los Pastos,

44 Title of the work: Revisión del cálculo de la productividad potencial forestal a escala regional basada en un modelo biofísico en la zona montañosa del norte de España, Asturias

Name of the conference: II Reunión del Grupo de Modelización Forestal



Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Jarandilla de la Vera, Extremadura, Spain
Date of event: 09/05/2007
End date: 11/05/2007
Organising entity: Sociedad Española de Ciencias Forestales
Benavides, R., Montes, F., Rubio, A., Osoro, K. Roig, S.

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

- 1** **Title of the work:** Species diversity favours the intraspecific trait variability of tree species in three European forests
Name of the event: Biologischen Kolloquium
City of event: Freiburg, Germany
Date of event: 15/02/2016
Organising entity: University of Freiburg
- 2** **Title of the work:** "sFunDivEUROPE: Scaling biodiversity-sccosystem functioning relationships: a synthesis based on the FunDivEUROPE research platforms"
Name of the event: workshop
City of event: Leipzig, Germany
Date of event: 2014
Organising entity: German Centre for Integrative Biodiversity Research (iDiv)
- 3** **Title of the work:** DIVERFOR: The functional implications of the intraspecific trait variability in European forests: being on the track.
Name of the event: Seminar
Corresponding author: Yes
City of event: Bern, Switzerland
Date of event: 12/2013
Organising entity: University of Bern **Type of entity:** University
- 4** **Title of the work:** Spatial analyses of recruitment of different forest species along their elevation gradient: an approach to climate change
Name of the event: Seminar
Type of event: Seminar
Reasons for participation: Speaker
Date of event: 10/2011
Organising entity: Mediterranean Agronomic Institute of Chania
City organizing entity: Chania, Kriti, Greece
- 5** **Title of the work:** Search for management strategies of silvopastoral systems in heath and gorse communities in order to develop sustainable systems for animal production and to increase biodiversity
Name of the event: Seminar Program of AgResearch Institute
Type of event: Seminar
Reasons for participation: Speaker
Geographical area: Non EU International
Date of event: 03/2007
Organising entity: AgResearch
City organizing entity: Palmerston North, New Zealand



With external admission assessment committee: No

Other dissemination activities

- 1** **Title of the work:** Conociendo nuestra huella en el planeta, ¿quieres investigar con nosotros?
Name of the event: COP 25
City of event: Madrid,
Date of event: 04/12/2019
Organising entity: CSIC

- 2** **Title of the work:** Más madera! el mundo de la dendroecología
Name of the event: European Researchers' Night
Type of event: Fairs and exhibitions
City of event: Madrid,
Date of event: 27/09/2019
Organising entity: Museo Nacional de Ciencias Naturales **Type of entity:** State agency

- 3** **Title of the work:** Workshop for high school students
Name of the event: Programa 4ºESO+Empresa
City of event: Madrid, Spain
Date of event: 03/04/2019
Organising entity: Museo Nacional de Ciencias Naturales **Type of entity:** State agency

- 4** **Title of the work:** Looking at future forest sustainability through many lenses
Name of the event: interview
Type of event: Media interviews
Date of event: 07/03/2019
Organising entity: GenTree Consortium
"Gazing at Trees. <https://vimeo.com/321955607>".

- 5** **Title of the work:** Plántate! Todo lo que necesitas saber sobre el mundo de las plantas (taller infantil impartido 4 días)
Name of the event: Science Week
Type of event: Fairs and exhibitions
City of event: Museo Nacional de Ciencias Naturales, Spain
Date of event: 07/11/2018
Organising entity: Museo Nacional de Ciencias Naturales **Type of entity:** State agency

- 6** **Title of the work:** European forest trees show high levels of biodiversity within one tree species (in 6 different EU languages)
Name of the event: CORDIS News
Date of event: 06/07/2016
Organising entity: Community Research and Development Information Service
Available on-line at: <http://cordis.europa.eu/news/rcn/125499_es.html>.



- 7** **Title of the work:** Con el cambio climático nacen menos árboles
Name of the event: Press release in Cronica Norte
Date of event: 24/12/2015
Available on-line at: <<http://www.cronicanorte.es/con-el-cambio-climatico-nacen-menos-arboles/94602>>.
- 8** **Title of the work:** Compensación entre la supervivencia de nuevos y plantados Los árboles del Mediterráneo inspiran la lucha contra el cambio climático
Name of the event: Press release in Ibercampus
Date of event: 21/12/2015
Available on-line at: <<http://www.ibercampus.es/los-arboles-del-mediterraneo-inspiran-la-lucha-contra-el-cambio-climatico-31913.htm>>.
- 9** **Title of the work:** El cambio climático hace que no crezcan tantos árboles como debería
Name of the event: Press release in Ecoticias
Date of event: 21/12/2015
Available on-line at:
<<http://www.ecoticias.com/co2/110376/cambio-climatico-crezcan-tanto-arboles-deberia>>.
- 10** **Title of the work:** El número de árboles nuevos disminuye ante el cambio climático
Name of the event: Press release in NCYT
Date of event: 21/12/2015
Available on-line at: <<http://noticiasdelaciencia.com/not/17536/el-numero-de-arboles-nuevos-disminuye-ante-el-cambio-climatico/>>.
- 11** **Title of the work:** Menos árboles como consecuencia del cambio climático
Name of the event: Press release in Antena3
Date of event: 21/12/2015
Available on-line at: <http://www.antena3.com/especiales/noticias/ciencia/hazte-eco/noticias/menos-arboles-como-consecuencia-cambio-climatico_2015122100331.html>.
- 12** **Title of the work:** Ante el cambio climático, hay menos árboles nuevos pero los demás crecen más
Name of the event: Press release in EFEfuturo
Date of event: 19/12/2015
Available on-line at: <<http://www.efefuturo.com/noticia/cambio-climatico-crecimiento-arboles/>>.
- 13** **Title of the work:** El número de árboles nuevos disminuye ante el cambio climático
Name of the event: Press release in
<http://www.efefuturo.com/noticia/cambio-climatico-crecimiento-arboles/>; Diario Digital Nuestro País
Date of event: 18/12/2015
Available on-line at:
<<http://www.elpais.cr/2015/12/27/el-numero-de-arboles-nuevos-disminuye-ante-el-cambio-climatico/>>.
- 14** **Title of the work:** Science and enterprises related to dehesas.
Name of the event: Science and enterprises related to dehesas.
Geographical area: Regional
Reasons for participation: Organizer staff
Date of event: 2011
Organising entity: Science and enterprises related to dehesas.
City organizing entity: Plasencia,
With external admission assessment committee: No

- 15** **Title of the work:** IV Jornadas sobre Medio Ambiente: El agua y su uso responsable
Name of the event: IV Jornadas sobre Medio Ambiente de la Asociación en Defensa de Tierra Seca (Bierzo alto)
Geographical area: Regional
Reasons for participation: Organizer
Date of event: 2009
Organising entity: Asociación en Defensa de Tierra Seca (Bierzo Alto)
City organizing entity: El Valle, Castile and León, Spain
With external admission assessment committee: No
- 16** **Title of the work:** II Jornadas sobre Medio Ambiente: Defensa de nuestros montes contra los incendios forestales
Name of the event: II Jornadas sobre Medio Ambiente de la Asociación en Defensa de Tierra Seca (Bierzo alto)
Geographical area: Regional
Reasons for participation: Organizer
Date of event: 2007
Organising entity: Asociación en Defensa de Tierra Seca (Bierzo Alto)
City organizing entity: El Valle, Castile and León, Spain
With external admission assessment committee: No
- 17** **Title of the work:** Participation in Field Days in Nueva Zelanda: meeting between researchers and land owners to solve specific questions such fertilization and eutrophization in New Zealand
Name of the event: Field Day
Type of event: Meeting **Geographical area:** Non EU International
Reasons for participation: Review before acceptance
Date of event: 2007
Organising entity: AgResearch
City organizing entity: Palmerston North, New Zealand
With external admission assessment committee: Yes

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1** **Committee title:** Scientific Committee of the International Scientific Conference - Genetics to the rescue: managing forests sustainably in a changing world
Affiliation entity: INRA & University of Avignon
City affiliation entity: Avignon, France
Start-End date: 27/01/2020 - 31/01/2020
- 2** **Committee title:** Scientific Committee of the 5th Meeting of Forestry Modelling working group of the Spanish Society of Forestry Science "Modelización forestal en la era de la información: retos y soluciones ante un futuro incierto"
Primary (UNESCO code): 310000 - Agricultural Sciences
Affiliation entity: Catalanian Center of Technology and Forestry
City affiliation entity: Solsona, Spain
Start-End date: 06/11/2019 - 07/11/2019

- 3** **Committee title:** workshop "sFunDivEUROPE"
Primary (UNESCO code): 241713 - Plant ecology; 241719 - Plant physiology; 241799 - Other
Affiliation entity: German Centre for Integrative Biodiversity Research (iDiv) **Type of entity:** R&D Centre
City affiliation entity: Leipzig, Germany
Start-End date: 24/11/2014 - 27/11/2014

Organization of R&D activities

- 1** **Title of the activity:** Scientific Conference - Genetics to the rescue: managing forests sustainably in a changing world
Type of activity: Convener of the session Local adaptation of climate change-related traits
Convening entity: INRA & University of Avignon
City convening entity: Avignon, France
Start-End date: 27/01/2020 - 31/01/2020
- 2** **Title of the activity:** GenTree Annual Meeting
Type of activity: Scientific
Convening entity: INRA & MNCN-CSIC
City convening entity: Madrid, Spain
Start-End date: 06/03/2017 - 09/03/2017
- 3** **Title of the activity:** Ciencia y Empresa en la dehesa
Type of activity: Knowledge transfer **Geographical area:** Regional
Convening entity: Universidad de Extremadura, la Asociación Extremeña de Empresas Forestales (AEEFOR), INIA y UPM (SELVIRED y el proyecto SUM2006-0034).
City convening entity: Plasencia, Extremadura, Spain
Type of participation: Collaboration in organizing
Start-End date: 18/11/2010 - 19/11/2010 **Duration:** 2 days
- 4** **Title of the activity:** IV Jornadas sobre Medio Ambiente en Tierra Seca. El agua y su uso responsable
Type of activity: Educational and knowledge transfer **Geographical area:** Regional
Convening entity: Asociación en Defensa de Tierra Seca y Bierzo Alto
City convening entity: El Valle, Castile and León, Spain
Type of participation: Organiser
Start-End date: 17/05/2009 - 24/05/2009 **Duration:** 4 days
- 5** **Title of the activity:** II Jornadas sobre Medio Ambiente en Tierra Seca. Defensa de nuestros montes contra los incendios forestales
Type of activity: Educational and knowledge transfer **Geographical area:** Regional
Convening entity: Asociación en Defensa de Tierra Seca y Bierzo Alto
City convening entity: El Valle, Castile and León, Spain
Type of participation: Organiser
Start-End date: 28/04/2007 - 03/05/2007 **Duration:** 4 days



R&D management

- 1 Name of the activity:** Finegrain functional diversity in forests: a comprehensive insight on intraspecific trait variability
Type of management: Management of R&D&I actions and projects
Performed tasks: Research Project Coordination
Entity: Centro de Estudos Florestais. Instituto Superior de Agronomia, Lisbon
Start date: 01/06/2020 **Duration:** 6 years
- 2 Name of the activity:** Functional implications of inter- vs. intraspecific trait diversity in European forests. FP7-237417. 7th Framework Programme. 302445
Type of management: Management of R&D&I actions and projects
Performed tasks: Reserach Project coordination
Entity: Universität Freiburg, Germany
Start date: 01/02/2013 **Duration:** 3 years - 5 months

Evaluation and revision of R&D projects and articles

- 1 Name of the activity:** AgreeSkills+ postdoc fellowships (FP7 COFUND)
Performed tasks: Project evaluations, AgreeSkills+ postdoc fellowships (FP7 COFUND)
Entity where activity was carried out: French National Institute for Agricultural Research (INRA)
Type of activity: Postdoc project evaluation
Geographical area: European Union
Start-End date: 2016 - 2016
- 2 Performed tasks:** Scientific articles review in SCI Journals
Entity where activity was carried out: Agricultural and Forest Meteorology, Journal of Vegetation Science, Annals of Forest Science, European Forest Research, Functional Ecology, PLoS ONE, Oikos
- 3 Performed tasks:** Scientific articles review in non-SCI journals
Entity where activity was carried out: Ecosistemas

Other achievements

Stays in public or private R&D centres

- 1 Entity:** University of Freiburg **Type of entity:** University
Faculty, institute or centre: Faculty of Biology
City of entity: Freiburg, Germany
Start-End date: 01/02/2013 - 15/07/2016 **Duration:** 3 years - 5 months - 15 days
Goals of the stay: Post-doctoral
Provable tasks: Marie Curie Postdoctoral Fellowship
- 2 Entity:** Mediterranean Agronomic Institute of Chania
City of entity: Chania, Greece
Start-End date: 16/10/2011 - 20/10/2011 **Duration:** 5 days



Funding entity: EFIMED
Goals of the stay: Guest
Provable tasks: Spatial statistic course

- 3** **Entity:** Macaulay Institute
City of entity: Aberdeen, United Kingdom
Start-End date: 01/02/2008 - 30/04/2008
Funding entity: Ministerio de Ciencia e Innovación
Name of programme: FPI fundings
Goals of the stay: Doctorate
Provable tasks: Study of deer and sheep grazing behaviour
Type of entity: R&D Centre
Duration: 3 months
- 4** **Entity:** AgResearch
City of entity: Palmerston North, New Zealand
Start-End date: 12/01/2007 - 12/04/2007
Funding entity: Ministerio de Ciencia Innovación
Name of programme: FPI fundings
Goals of the stay: Doctorate
Provable tasks: Review of silvopastoral systems in New Zealand
Type of entity: R&D Centre
Duration: 3 months
- 5** **Entity:** Centro de Investigación Forestal
Faculty, institute or centre: Selviculture
City of entity: Madrid,
Start-End date: 01/10/2006 - 30/11/2006
Funding entity: Ministerio de Ciencia e Innovación
Name of programme: FPI funding
Goals of the stay: Doctorate
Provable tasks: Development of a forest productivity model
Type of entity: Public Research Body
Duration: 2 months

Obtained grants and scholarships

- 1** **Name of the grant:** Intra-European Marie Curie Fellowship
Aims: Post-doctoral
Awarding entity: European Union
Conferral date: 2011
End date: 2014
Duration: 2 years
Entity where activity was carried out: University of Freiburg
- 2** **Name of the grant:** Beca para el Inicio a la Investigación
Aims: research initiation
Awarding entity: Ministerio de Educación
Conferral date: 2002
End date: 2003
Duration: 9 months
Entity where activity was carried out: Universidad Politécnica de Madrid
- 3** **Name of the grant:** Assistant Researcher position. Stimulus of Scientific Employment, Individual Support 2018
Aims: Post-doctoral
Awarding entity: Science and Technology Foundation - Portugal
Type of entity: State agency



Conferral date: 27/11/2019 **Duration:** 6 years
Entity where activity was carried out: Center of Forest Research, Lisbon

4 Name of the grant: Contrato Postdoctoral at Universidad del País Vasco (turned down)

Aims: Post-doctoral

Awarding entity: Universidad del País Vasco

Conferral date: 2009

Duration: 2 years

5 Name of the grant: Beca de Formación para Personal Investigador (FPI fellowship)

Aims: Pre-doctoral

Awarding entity: Ministerio de Ciencia y Tecnología

Conferral date: 2004

Duration: 4 years

Co-operation networks

1 Name of the network: REMEDINAL-4. Conocimiento científico para avanzar hacia la consecución de los Objetivos de Desarrollo Sostenible: una ecología translacional es necesaria

Identification of the network: R&D Program funded by the Region of Madrid and EU

City of co-operation network: Madrid,

Participating entity/entities: CSIC-UPM-INIA-URJC-UCM-UAH

Start date: 01/02/2019

Duration: 4 years

2 Name of the network: LINGLOBAL Laboratorio Internacional en Cambio Global

Participating entity/entities: Universidad Católica de Chile; Universidad Federal do Rio de Janeiro; Consejo Superior de Investigaciones Científicas

Type of entity: University; University; State agency

Start date: 12/09/2016

Prizes, mentions and distinctions

1 Description: Co-Advisor of a PhD Thesis. Cum laude and European Mention. Cristina Crespo Bastias

Awarding entity: Universidad de Córdoba

Type of entity: University

Conferral date: 2017

2 Description: Supervision of the Bachelor Thesis of Marcos Zapatero qualified with Distinction cum laude

Awarding entity: Universidad Rey Juan Carlos

Type of entity: University

City awarding entity: Móstoles, Madrid, Spain

Conferral date: 2013

3 Description: Award to the best scientific poster in the II Forest Week

Awarding entity: EFIMED

City awarding entity: Avignon, France

Conferral date: 2011

4 Description: Spacial Award to the Master Thesis of Nuria Simón (supervision)

Awarding entity: Cátedra de Fertiberia de la UPM

Conferral date: 2011



- 5** **Description:** Special Award to the Master Thesis of Nuria Simón (supervision)
Awarding entity: Sociedad Española de Ciencias Forestales
Conferral date: 2011
- 6** **Description:** Biography published in Who is Who in the world
Conferral date: 2009
- 7** **Description:** PhD Thesis Award
Awarding entity: Universidad de Santiago de Compostela
Conferral date: 2008
Type of entity: University
- 8** **Description:** PhD with European Mention
Awarding entity: Universidad de Santiago de Compostela
Conferral date: 2008
Type of entity: University
- 9** **Description:** Forestry Engineering MSc (qualification = Sobresaliente)
Awarding entity: Universidad Politécnica de Madrid
Conferral date: 2004
Type of entity: University

Obtained accreditations/recognitions

- 1** **Description:** Profesor Ayudante Doctor (accreditation as Teaching Assistant)
Accrediting entity: Agencia de Calidad, acreditacion y prospectiva de las Universidades de Madrid
City accrediting entity: Madrid, Spain
Date of recognition: 2011
- 2** **Description:** Profesor Contratado Doctor (accreditation as Assistant Researcher)
Accrediting entity: Agencia de Calidad, acreditacion y prospectiva de las Universidades de Madrid
City accrediting entity: Madrid, Spain
Date of recognition: 2011
- 3** **Description:** Profesor Doctor de la Universidad Privada (Lecturer in private universities)
Accrediting entity: Agencia de Calidad, acreditacion y prospectiva de las Universidades de Madrid
City accrediting entity: Madrid, Spain
Date of recognition: 2011

Summary of other achievements

- 1** **Description of the achievement:** Participation in the International Summer School on the functional significance of forest biodiversity
Accrediting entity: Warsaw University
City accrediting entity: Bialowieza, Poland
Conferral date: 2013
- 2** **Description of the achievement:** Participation in the XX Annual Meeting of the Fertiliser and Lime Research Centre (FLRC): Designing Sustainable Farms – Critical aspects of soil and water management.
Accrediting entity: Massey University



City accrediting entity: Palmerston North, New Zealand

Conferral date: 2007

3 Description of the achievement: Founder member of the Asociación en Defensa de Tierra Seca, Bierzo Alto

City accrediting entity: El Valle, Castile and León, Spain

Conferral date: 2006