



Cristina Aponte Perales

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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.

I am a mid-career researcher with experience in plant-soil interactions, biogeochemistry, fire ecology and forest productivity. Throughout my career I have acquired a multi-disciplinary education that has proven essential to address the complexity of ecological systems.

In November 2010 I graduated from my PhD at the Institute of Natural Resources and Agrobiology of Seville (IRNAS-CSIC), Spain. My thesis was awarded “Best Science PhD thesis 2010” by the University of Seville. In 2012 I was granted a Postdoctoral Endeavour Award by the Australian Government and a Postdoctoral Fellowship Grant by the Spanish Government to undertake postdoctoral research at the University of Melbourne (UoM), Australia. In 2013 I obtained a research position at the same University to work within the Integrated Forest Ecosystem Research Program.

Discounting career interruptions (23 months as detailed at the end of this section) I have worked 7 years as a full time active researcher since I was awarded the PhD, in November 2010. During this time, my research work and collaborations have generated 62 scientific documents, including **37 peer-reviewed SCI articles**, **11** peer-reviewed articles in **non-indexed journals** or conference proceedings and **14 technical reports** submitted to industry partners.

Of the 37 SCI articles, 73% (27) are co-authored by international researchers. I had leading role in half (49%) of these SCI-papers; I am the **first author** of **27%** of the SCI-papers (mostly during my early academic career), and the **senior author** (last) of **21%**, reflecting the supervisory and PI roles of a mid-career researcher. Of the 37 SCI-papers, **19 (51%)** are published in **journals ranked within the first decile** in their respective area of knowledge (ISI year of publication) and 30 (81%) are published in journals ranked in the first quartile. The impact of my research is demonstrated by a total of **609 citations**, an **h-index of 14** (Scopus, Dec 2019).

I have presented at **51 national and international conferences** (1 invited **keynote speaker**), **convended and chaired sessions** at four international conferences and was **guest editor** for two Special Issues in International Journal of Wildland Fire and Science of the Total Environment.

Currently I supervise 5 international PhD students (Australia, New Zealand, Vietnam, Sri Lanka, Nepal), 1 Postdoc (Spanish) and 1 Research Assistant (Australian). Previously I have supervised to completion 3 international MSc students (Colombia, Mexico, Romania).

I have shown a high capacity to attract **fellowships** from competitive research programs totalling about **188 000 €**. I have also succeeded in securing over a dozen **small funding awards** for student projects ranging between 1000 € and 4000 € each. I have actively **participated in 24 research projects** funded through **competitive grants** (total of **1.2 million euro**) and non-competitive **industry research contracts** (total of **3.6 million euro**), most of them international.



Relative to opportunity, these achievements are outstanding considering the relatively short span of my postdoctoral career (2011-2019) and the fact that during this period I have had a total of 23 months of career interruptions related to an internationally relocation (2011), and three maternity leaves (2013, 2015, 2017).



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.

I have authored **37 peer-reviewed** SCI articles, 11 peer-reviewed articles in non-indexed journals or conference proceedings and 14 technical reports submitted to industry partners. Of the 33 SCI articles, I am **lead author of 49 %** (10 as first author, 8 as last/senior author) and 73% (27) are co-authored by international researchers.

My SCI articles have been published in top journals in their field such as Biological Reviews (1), Science of the Total Environment (1), Forest Ecol. Manag. (5), Ecol. Appl. (2), Int. J. Wildland Fire (3), Plant and Soil (2) or Remote Sens. Environ. (3). Overall, **19 SCI papers (51%)** were published in journals ranked within the **first decile** and 30 papers (81%) in journals ranked in the **first quartile**. The impact of my research is demonstrated by **609 citations & h-index of 14** (Scopus, Dec 2019).

I have presented at **51 national and international conferences** (1 invited **keynote speaker**), convened and **chaired sessions** at four international conferences and was guest editor for two Special Issues in International Journal of Wildland Fire and Science of the Total Environment. Currently I supervise 5 international PhD students (Australia, New Zealand, Vietnam, Sri Lanka, Nepal), 1 Postdoc (Spanish) and 1 Research Assistant (Australian). Previously I have supervised to completion 3 international MSc students (Colombia, Mexico, Romania).

The significance and impact of my contribution to research are further evidenced by the nine international projects I have led (4 as PI, 5 as Co-IP) and the 15 in which I have participated, which amounted to **\$4.8 million euros**. Furthermore, I was awarded over **0.2 million euros** in form of research fellowships.

Relative to opportunity, these achievements are outstanding considering the relatively short span of my postdoctoral career (2011-2019) and the fact that during this period I have had a total of 23 months of career interruptions related to an internationally relocation (2011), and three maternity leaves (2013, 2015, 2017)

Cristina Aponte Perales

Surname(s): **Aponte Perales**
Name: **Cristina**
ORCID: **0000-0002-8457-7573**
ScopusID: **35106655700**
ResearcherID: **I-1586-2014**

Current professional situation

Employing entity: Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria - INIA

Professional category: Ramón y Cajal Research Fellow

Start date: 09/2020

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

Primary (UNESCO code): 241406 - Fungí; 241713 - Plant ecology; 251100 - Soil Science; 310600 - Forestry

Performed tasks: Sustainability of forest and agricultural landscapes: Working on plant-soil interactions to better understand how soil biota, and particularly mycorrhizal symbiosis, can increase ecosystem resilience to natural and anthropogenic disturbances.

Identify key words: Soil science; Forest conservation; Sustainable forest management; Fire

Previous positions and activities

	Employing entity	Professional category	Start date
1	National Institute for Research and Development in Forestry (INCDS) "Marin Drăcea	Research Fellow	09/2018
2	The University of Melbourne	Research Fellow	09/2013
3	The University of Melbourne	Postdoctoral Fellow (externally funded)	09/2012
4	The University of Melbourne	Postdoctoral Fellow (part-time)	09/2011
5	The University of Sydney	Postdoctoral Fellow (part-time)	09/2011
6	The University of Melbourne	Honorary Visiting Fellow	02/2011
7	Institute of Natural Resources and Agrobiology of Seville (IRNAS-CSIC)	Ph.D. Fellow	11/2006
8	Mediterranean Agronomic Institute of Chania, Greece	M.Sc. Fellow/ Researcher	09/2004

1 **Employing entity:** National Institute for Research and Development in Forestry (INCDS) "Marin Drăcea

City employing entity: Romania

Professional category: Research Fellow

Educational Management (Yes/No): No

Start-End date: 09/2018 - 09/2020

Duration: 2 years

Type of contract: Temporary employment contract



Dedication regime: Part time

Primary (UNESCO code): 310600 - Forestry

Performed tasks: Coordinator of the project EO-ROFORMON Prototyping an Earth-Observation based monitoring and forecasting system for the Romanian forests and leader of the Work Package 'Modelling and forecasting forests in the context of environmental and socio-economic changes'.

Identify key words: Temperate forest; Ecosystem management; Modelling (environmental risks); Remote sensing

Field of management activity: Public Research Body

2 **Employing entity:** The University of Melbourne

Department: School of Ecosystem and Forest Sciences, Faculty of Science

City employing entity: Melbourne, Australia

Professional category: Research Fellow

Educational Management (Yes/No): No

Start-End date: 09/2013 - 12/2019

Type of contract: Permanent employment contract

Dedication regime: Full time

Primary (UNESCO code): 241713 - Plant ecology; 251100 - Soil Science; 310600 - Forestry

Performed tasks: • Continuing position within the Integrated Forest Ecosystem Research (iFER) Program, a research initiative between the School of Ecosystem and Forest Sciences (University of Melbourne) and the Victorian Department of Environment, Land, Water and Planning (DELWP). • CO-IP of the project "Landscape Carbon: Understanding Victoria's Forest Carbon". • Collate the Victorian Forest Carbon Database; • Adapt and implement a forest simulation model to Australian forested landscapes; • Create a Bayesian Network model to analyse risks to forest carbon under novel fire regimes; • Develop the iFER Decision Support System, a metamodel based system that supports DELWP to identify the best policy interventions to achieve outcomes for Victoria's forests that are environmentally sound and publicly acceptable.

Identify key words: Temperate forest; Soil biology; Functional biology; Ecosystem management; Plant ecology; Mountain ecosystems; Modelling (environmental risks); Climate change; Biochemical and hydrological cycles; Applied ecology; Fire

3 **Employing entity:** The University of Melbourne **Type of entity:** University

Department: School of Ecosystem and Forest Sciences, Faculty of Science

City employing entity: Melbourne, Australia

Professional category: Postdoctoral Fellow
(externally funded)

Educational Management (Yes/No): No

Start-End date: 09/2012 - 08/2013

Duration: 1 year

Type of contract: Grant-assisted student (pre or post-doctoral, others)

Dedication regime: Full time

Performed tasks: • Position funded through a postdoctoral research grant from the Spanish Ministry of Education, Culture and Sports (Ayudas para movilidad posdoctoral en centros extranjeros, incluidas las Fulbright y Cátedras "Príncipe de Asturias" Ref EX-2010-0148). • Participate in the projects "Landscape carbon: Understanding and managing Victoria's forest carbon" and "Landscape Vulnerability and Health". • Develop understanding of forest species trade-off in carbon allocation in response to climate change and soil conditions. • Establish a forest carbon metrics database and identify patterns of forest carbon distribution in Victoria according to forest type and management regime. • Preparation of the manuscripts "Repeated prescribed fires decrease stocks and change attributes of coarse woody debris in a temperate eucalypt forest" and "Evaluating long-term effects of prescribed fire regimes on carbon stocks in a temperate eucalypt forest"

4 **Employing entity:** The University of Melbourne

Department: School of Ecosystem and Forest Sciences, Faculty of Science

City employing entity: Melbourne, Australia

Professional category: Postdoctoral Fellow
(part-time)

Educational Management (Yes/No): No

Start-End date: 09/2011 - 08/2012 **Duration:** 1 year

Type of contract: Temporary employment contract

Dedication regime: Part time

Performed tasks: • Part time position (0.5 Full Time Equivalent) working on the project "Landscape carbon: Understanding and managing Victoria's forest carbon" funded by the Dept. of Sustainability and Environment of Victoria. • Database collation and analysis of forest carbon metrics to develop understanding of key drivers on carbon pools and fluxes in native forests • Preparation of the manuscript "Decreases in tree-based carbon stocks associated with repeated prescribed fires in a temperate mixed-species eucalypt forest"

5 Employing entity: The University of Sydney

Department: Faculty of Agriculture and Environment

City employing entity: Sydney, Australia

Professional category: Postdoctoral Fellow **Educational Management (Yes/No):** No (part-time)

Start-End date: 09/2011 - 08/2012 **Duration:** 1 year

Type of contract: Temporary employment contract

Dedication regime: Part time

Performed tasks: • Part time position (0.5 Full Time Equivalent) working on the Australian Research Council Linkage project "Fires, black C, greenhouse gas emissions and the carbon balance of southern sclerophyll forests" • Manage field campaigns and collect and analyse field data to improve our knowledge of the potential impacts of prescribed burning on the carbon balance

6 Employing entity: The University of Melbourne **Type of entity:** University

Department: School of Ecosystem and Forest Sciences, Faculty of Science

City employing entity: Melbourne, Australia

Professional category: Honorary Visiting Fellow

Start-End date: 02/2011 - 08/2011 **Duration:** 7 months

Type of contract: Honorary visiting fellow

Performed tasks: • Submitted two manuscripts for publication in peer reviewed journals: "Tree species effects on nutrient cycling and soil biota: a feedback mechanism favouring species coexistence" and "Tree species effect on litter decomposition and nutrient release in Mediterranean oak forests change over time" • Submitted four research grant proposals: Australian Research Council- Discovery Early Career Researcher Award, McKenzie Postdoctoral Fellowships, Australian Postdoctoral Endeavour Award, Spanish Postdoctoral Grant. The latest two were successful.

7 Employing entity: Institute of Natural Resources and Agrobiology of Seville (IRNAS-CSIC) **Type of entity:** Public Research Body

City employing entity: Seville, Spain

Professional category: Ph.D. Fellow **Educational Management (Yes/No):** No

Start-End date: 11/2006 - 10/2010 **Duration:** 4 years

Type of contract: Grant-assisted student (pre or post-doctoral, others)

Dedication regime: Full time

Performed tasks: • Designed and conducted research activities within the frame of the ongoing projects: "Dynamics of the Mediterranean forest within a global change scenario" (DINAMED) and "Ecological interactions and Global Change in Mediterranean forests" (INTERBOS) • Published four research articles in high impact international journals • Completed my PhD thesis: "Plant-Soil Interactions in a Mediterranean Forest" • Presented results at seven national and international conferences

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Employing entity: Mediterranean Agronomic Institute of Chania, Greece

Professional category: M.Sc. Fellow/ Researcher

Start-End date: 09/2004 - 06/2006

Type of contract: Grant-assisted student (pre or post-doctoral, others)

Performed tasks: • The MSc program involved courses (1st year, 60 ECTS) and a research project (2nd year, 60 ECT). • As a MSc research project I conducted a soil seed bank study for the EU project Action for the Conservation of the Mediterranean Temporary Ponds • Developed skills on identification of more than 100 Mediterranean grasses • Published results in a peer reviewed journal : "Characteristics of the soil seed bank in Mediterranean temporary ponds and its role in ecosystem dynamics".

Type of entity: Education and Research Centre

Educational Management (Yes/No): No

Duration: 2 years



Education

University education

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

- 1 University degree:** Postgraduate
Name of qualification: Postgraduate Specialised Diploma (Diploma de Estudios Avanzados DEA)
City degree awarding entity: Seville, Andalusia, Spain
Degree awarding entity: University of Seville, Spain
Date of qualification: 30/09/2007
Average mark: Excellent
- 2 University degree:** Master
Name of qualification: Master in Environmental Management
City degree awarding entity: Chania, Kriti, Greece
Degree awarding entity: International Center for Advanced Mediterranean Agronomic Studies
Date of qualification: 02/05/2007
Average mark: Excellent
Standardised degree: No
- 3 University degree:** Higher degree
Name of qualification: Bachelor in Environmental Sciences
City degree awarding entity: Madrid, Community of Madrid, Spain
Degree awarding entity: Autonomous University of Madrid, Spain
Type of entity: University
Date of qualification: 02/09/2003

Doctorates

Doctorate programme: Conservation Biology
Degree awarding entity: University of Seville
Type of entity: University
City degree awarding entity: Seville, Andalusia, Spain
Date of degree: 19/11/2010
DEA awarding entity: University of Seville
Date DEA was awarded: 30/09/2008
European doctorate: Yes
Date of certificate: 19/11/2010
Thesis title: Plant-soil interactions in a Mediterranean forest
Thesis director: Teodoro Marañón Arana
Thesis co-director: Luis Ventura García Fernández
Obtained qualification: Maxima cum laude with European Honours
Special doctorate award: Yes
Date of award: 2012



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

- 1** **Type of training:** Technical training
Training title: Test and Measuring Instruments for Trees and Timber Structures: IML-RESI System
City awarding entity: Melbourne, Australia
Awarding entity: IML Wood Testing Systems **Type of entity:** Business
Aims of the entity: R&D
End date: 04/12/2014 **Duration in hours:** 6 hours
- 2** **Type of training:** Course
Training title: Basic Wildfire Awareness
City awarding entity: Melbourne, Australia
Awarding entity: Department of Sustainability and Environment (DSE), Victoria **Type of entity:** State agency
Aims of the entity: Land management
End date: 26/09/2011 **Duration in hours:** 3 hours
- 3** **Type of training:** Course
Training title: Statistical Analyses of Ecological Data with R.
City awarding entity: Granada, Andalusia, Spain
Awarding entity: General Foundation University of Granada (Fundación Empresa Universidad de Granada) **Type of entity:** Foundation
Aims of the entity: Education and research
Training manager: Luis Cayuela Delgado
End date: 19/11/2009 **Duration in hours:** 20 hours
- 4** **Type of training:** Course
Training title: Introduction to Kepler
City awarding entity: Granada, Andalusia, Spain
Awarding entity: General Foundation University of Granada (Fundación Empresa Universidad de Granada) **Type of entity:** Foundation
Aims of the entity: Education and research
Training manager: Blas Benito
End date: 17/11/2009 **Duration in hours:** 4 hours
- 5** **Type of training:** Course
Training title: Introduction to Bayesian Statistics
City awarding entity: Ubeda, Andalusia, Spain
Awarding entity: Spanish Association of Terrestrial Ecology (AEET) **Type of entity:** Associations and Groups
Training manager: Kiona Ogle
End date: 18/10/2009 **Duration in hours:** 8 hours
- 6** **Type of training:** Course
Training title: METIER Graduate Training Course No. 3: Remote Sensing of the Land Surface
City awarding entity: Leicester, United Kingdom
Awarding entity: Partnership for European Environmental Research (PEER) **Type of entity:** Public Research Body



Aims of the entity: Education and research
End date: 27/04/2007

Duration in hours: 40 hours

7 Type of training: Practical work

Training title: 3rd Ecological Niche Modelling Workshop

City awarding entity: Madrid, Community of Madrid, Spain

Awarding entity: Global Biodiversity Information Facility in Spain (GBIF) **Type of entity:** Inter-governmental research organization

Aims of the entity: Education and research

Training manager: Francisco Javier Bonet García

End date: 16/03/2007

Duration in hours: 21 hours

8 Type of training: Course

Training title: Exploratory Statistics: Natural Patterns Extracted by Regression

City awarding entity: Madrid, Community of Madrid, Spain

Awarding entity: Friends of the National Museum of Natural Sciences (CSIC)

Aims of the entity: Education

Training manager: Luis Maria Carrascal de la Puente

End date: 17/02/2007

Duration in hours: 22 hours

9 Type of training: Course

Training title: Environmental Education: Methodology and Resources

City awarding entity: Madrid, Andalusia, Spain

Awarding entity: Autonomous University of Madrid (UAM)

Type of entity: University

Aims of the entity: Education and research

End date: 30/04/2004

Duration in hours: 150 hours

10 Type of training: Course and practical work

Training title: Digital Cartography and Digital Terrain Models Obtained From Photogrametric Data

City awarding entity: Madrid, Community of Madrid, Spain

Awarding entity: Polytechnic University of Madrid

Type of entity: University

Aims of the entity: Education and research

End date: 30/03/2004

Duration in hours: 300 hours

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English	C2	C2	C2	C2	C2
French		A1	A1	A1	A1



Teaching experience

General teaching experience

- 1** **Type of teaching:** Official teaching
Name of the course: Spatial Tools for Ecosystem Management
Type of programme: Master's degree **Type of teaching:** Theory and practical work
Type of subject: Optional
University degree: Master of Ecosystem Management and Conservation
Start date: 02/2019 **End date:** 08/2019
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 48
Entity: The University of Melbourne **Type of entity:** University
Faculty, institute or centre: Faculty of Science
Department: School of Ecosystem and Forest Sciences
City of entity: Melbourne, Australia
Subject language: English
- 2** **Type of teaching:** Official teaching
Name of the course: Forests Systems: Bushfire and Forest Ecosystem Services
Type of programme: Bachelor's degree **Type of teaching:** Theory and practical work
Type of subject: Optional
University degree: Bachelor of Science Forest Science Major
Course given: Bushfire and forest services **Frequency of the activity:** 1
Start date: 2014 **End date:** 2019
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 4
Entity: The University of Melbourne **Type of entity:** University
Faculty, institute or centre: Faculty of Science
Department: Forest and Ecosystem Sciences
City of entity: Melbourne, Australia
Subject language: English
- 3** **Type of teaching:** Official teaching
Name of the course: Forests Systems: Forest carbon
Type of programme: Bachelor's degree **Type of teaching:** In person theory
Type of subject: Optional
University degree: Bachelor of Science Forest Science Major
Course given: Forest carbon **Frequency of the activity:** 1
Start date: 2014 **End date:** 2019
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 1
Entity: The University of Melbourne **Type of entity:** University
Faculty, institute or centre: Faculty of Science
Department: Forest and Ecosystem Sciences
City of entity: Melbourne, Australia
Subject language: English



- 4** **Type of teaching:** Official teaching
Name of the course: Plant ecology
Type of programme: Diploma
Type of subject: Obligatory
University degree: Associate Degree of Urban Horticulture
Start date: 2016
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 48
Entity: The University of Melbourne
Faculty, institute or centre: Faculty of Science
Department: School of Ecosystem and Forest Sciences
City of entity: Melbourne, Australia
Subject language: English
- Type of teaching:** Theory and practical work
End date: 2018
Type of entity: University
- 5** **Type of teaching:** Official teaching
Name of the course: Ecological Restoration
Type of programme: Master's degree
Type of subject: Optional
University degree: Master of Forest Ecosystem Science
Course given: Fire to Restore Ecosystem Functioning
Start date: 2014
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 1
Entity: The University of Melbourne
Faculty, institute or centre: Faculty of Science
Department: Forest and Ecosystem Sciences
City of entity: Melbourne, Australia
Subject language: English
- Type of teaching:** In person theory
Frequency of the activity: 1
End date: 2017
Type of entity: University

Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Quantifying wildfire impacts on the structure of fire-tolerant eucalypt forests using airborne lidar data
Type of project: Doctoral thesis
Co-director of thesis: Lauren Bennett; Trent Penman
Entity: The University of Melbourne
City of entity: Melbourne, Australia
Student: Yogendra Karna
Identify key words: Forest; Agricultural productivity; Fire; Remote sensing
Date of reading: 10/2020
- 2** **Project title:** Quantifying fire severity pattern changes using optical remote sensing data in temperate eucalypt forests of south-eastern Australia
Type of project: Doctoral thesis
Co-director of thesis: Mihai Tanase; Lauren Bennett
Entity: The University of Melbourne
City of entity: Melbourne, Australia
Student: Bang Tran Nguyen
Identify key words: Forest; Ecosystem management; Natural environment; Environmental monitoring; Fire; Remote sensing



Date of reading: 09/2020

- 3** **Project title:** The Ecology of *Astelia australiana*
Type of project: Doctoral thesis
Co-director of thesis: Craig Nitschke; Sabine Kasel
Entity: The University of Melbourne
City of entity: Melbourne, Australia
Student: Linda Parker
Identify key words: Protected species; Plant ecology
Date of reading: 12/2019
- 4** **Project title:** Assessing fire impacts on understory vegetation composition and structure in fire-tolerant eucalypt forests
Co-director of thesis: Cristina Aponte
Entity: Eberswalde University for Sustainable Development
Student: Cordula Gutenkust
Obtained qualification: Global Change Management Master Program
Date of reading: 02/2018
- 5** **Project title:** Let the fungi save the trees: the potential role of the mycorrhizal network on the revegetation of riparian forests
Type of project: Master project
Entity: The University of Melbourne
Student: Ana Isabel Bermudez Contreras
Obtained qualification: 85/100
Identify key words: Forest; Mycology; Ecosystem management; Ecology; Crop production
Date of reading: 2018
- 6** **Project title:** Modelling tree internal decay and cavity development to reduce uncertainties in large tree carbon estimates
Type of project: Master project
Entity: The University of Melbourne
Student: Cristina Serrano
Obtained qualification: 83.5/100
Identify key words: Natural resources; Forest; Ecosystem management; Ecology
Date of reading: 2017
- 7** **Project title:** Variability of the soil bulk density in the Natural Park Los Alcornocales
Type of project: Final year project
Co-director of thesis: Luis Ventura García Fernández
Entity: University of Seville
City of entity: Seville, Andalusia, Spain
Student: Ana María Rubio Gutiérrez
Identify key words: Soil science; Natural environment; Forest; Agriculture
Date of reading: 2010
- 8** **Project title:** Analysis of the phosphorous and nitrogen content of the soil microbial biomass and the liberation-immobilization dynamics of these nutrients in the soils of a mixed oak forest
Type of project: Final year project
Co-director of thesis: Luis Ventura García Fernández
Entity: University of Seville



City of entity: Seville, Andalusia, Spain
Student: Carlos Ros González
Identify key words: Soil science; Natural environment; Forest; Agriculture
Date of reading: 2009

- 9** **Project title:** Chemical characterization of the leaves, leaf fall, litter and soils of two experimental oak forest sites in the Natural Park Los Alcornocales
Type of project: Final year project
Co-director of thesis: Luis Ventura García Fernández
Entity: University of Seville
City of entity: Seville, Andalusia, Spain
Student: María Navarro Copete
Identify key words: Soil science; Natural environment; Forest; Agriculture
Date of reading: 2008
- 10** **Project title:** Vertical variability of soil properties in a mixed oak forest in the Natural Park Los Alcornocales
Type of project: Final year project
Co-director of thesis: Luis Ventura García Fernández
Entity: University of Seville
City of entity: Seville, Andalusia, Spain
Student: Manuel del Pozo Mateos
Identify key words: Soil science; Forest; Natural environment; Agriculture
Date of reading: 2008
- 11** **Project title:** Role of soil microbial communities on the success of woody revegetation in riparian ecosystems (in progress)
Type of project: Doctoral thesis
Co-director of thesis: Rebecca Miller; Fiona Ede
Entity: The University of Melbourne
City of entity: Melbourne, Australia
Student: Vicky McGimpsey
Identify key words: Soil science; Mycology; Ecosystem management; Natural environment; Crop production
- 12** **Project title:** The role of mycorrhizal interactions and climate change on Eucalyptus growth (lapsed candidature)
Type of project: Doctoral thesis
Co-director of thesis: Craig Nitschke; Sabine Kasel
Entity: The University of Melbourne
City of entity: Melbourne, Australia
Student: Ruvini Deepika Withanage
Identify key words: Soil science; Climate; Forest; Plant growth; Mycology; Agricultural productivity

Most relevant contributions of your teaching CV

- 1** **Description:** I have developed the curriculum for the new subject 'Spatial tools for Ecosystem Management'. I have also coordinated and delivered the subject.
Identify key words: Ecosystem management; Natural environment; Remote sensing
Organising entity: The University of Melbourne
End date: 2019



- 2 Description:** In 2016 I developed the curriculum, coordinated and delivered the subject of plant ecology for the Associate Degree of Urban Horticulture. Students marked the subject with a 4.4/5, which was outstanding for a newly developed subject
- Identify key words:** Ecology; Crop production
- Organising entity:** The University of Melbourne
- End date:** 2018

Scientific and technological experience

Research and development groups/teams

- 1 Name of the group:** Mediterranean Forest Ecosystems (EFOMED)
Aims of the group: Research group
Name of principal investigator: Luis Ventura García Fernández **Number of members in the group:** 13
Standardised code: PAIDI RNM919
City of group: Seville, Spain
Affiliation entity: Andalusian Regional Government plan for R+D+i
Start date: 20/01/2015
- 2 Name of the group:** Dynamics and Conservation of Forest Ecosystems (DICOFOR)
Aims of the group: Research group
Name of principal investigator: Teodoro Marañón Arana **Number of members in the group:** 15
Standardised code: PAIDI AGR266
City of group: Seville, Spain
Affiliation entity: Andalusian Regional Government plan for R+D+i
Start date: 20/12/2011 **Duration:** 4 years
- 3 Name of the group:** Integrated Forest Ecosystem Research group (IFER)
Aims of the group: Research group
Name of principal investigator: Patrick Lane **Number of members in the group:** 9
City of group: Melbourne, Australia
Affiliation entity: The University of Melbourne
Start date: 01/09/2011
- 4 Name of the group:** Ecology, Evolution and Conservation of Mediterranean Plants (EVOCA)
Aims of the group: Research group
Name of principal investigator: Juan Arroyo Marin **Number of members in the group:** 17
Standardised code: PAIDI RNM210
City of group: Seville, Spain
Affiliation entity: Andalusian Regional Government plan for R+D+i
Start date: 02/10/2007 **Duration:** 5 years

Scientific or technological activities

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

- 1** **Name of the project:** Mechanisms underlying trade-offs between carbon sequestration, greenhouse gas emissions and nutrient losses in soils under conservation agriculture in Europe
Type of project: Research and development, including transfer **Geographical area:** European Union
Degree of contribution: Work package leader
Entity where project took place: Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria - INIA
City of entity: Spain
Name principal investigator (PI, Co-PI...): Marta Goberna
Nº of researchers: 12
Funding entity or bodies: EUROPEAN JOINT PROGRAMME
Name of the programme: EJP-SOIL
Start-End date: 2021 - 2023 **Duration:** 3 years
Total amount: 1.730.000 €
- 2** **Name of the project:** How does the soil microbiome vary between types of urban green space where children spend time
Entity where project took place: The University of Melbourne **Type of entity:** University
City of entity: Melbourne, Australia
Name principal investigator (PI, Co-PI...): Amy Hash
Nº of researchers: 3
Funding entity or bodies: Australian Microbiome
Start-End date: 01/01/2020 - 31/12/2020
Total amount: 6.255 €
- 3** **Name of the project:** Tree-soil interactions and remediation of degraded lands (CGL2017-82254-R)
Type of project: Basic research (including archaeological digs, etc)
Degree of contribution: Researcher
Entity where project took place: Institute of Natural Resources and Agrobiology of Seville (IRNAS-CSIC), Spain **Type of entity:** Public Research Body
Name principal investigator (PI, Co-PI...): Teodoro Marañón Arana
Name of the programme: National Plan of Scientific Research, Development and Technological Innovation (I+D+i)
Code according to the funding entity: (CGL2014-52858-R)
Start-End date: 01/01/2018 - 31/12/2020
Participating entity/entities: Institute of Natural Resources and Agrobiology of Seville (IRNAS-CSIC), Spain
Total amount: 68.461 €



- 4 Name of the project:** Prototyping an Earth Observation based monitoring and forecasting system for the Romanian forests
Identify key words: Forest; Ecosystem management; Natural environment; Environmental monitoring; Modelling (environmental risks); Climate change; Agriculture; Remote sensing
Degree of contribution: Scientific coordinator
Entity where project took place: National Institute for Research and Development in Forestry (INCDS) "Marin Dr?cea"
City of entity: Voluntari, Romania
Name principal investigator (PI, Co-PI....): Cristina Aponte (PI); Mihai Tanase; Ovidiu Badea; Stefan Leca
N° of researchers: 7
Funding entity or bodies:
Romanian National Research and Innovation Authority
Type of participation: Principal investigator
Start-End date: 01/09/2016 - 30/08/2020
Participating entity/entities: Centre d'Etudes Spatiales de la BIOsphère (CESBIO); GAMMA Remote Sensing AG, Switzerland; National Institute for Research and Development in Forestry (INCDS) "Marin Dr?cea"; Oregon State University in Corvallis, USA; The University of Melbourne
Total amount: 800.000 €
Dedication regime: Part time
Applicant's contribution: I am the PI and coordinator of the project as well as leader of Work Package 4 'Modelling and forecasting forests in the context of environmental and socio-economic changes'. The objectives of WP4 will be to implement a forest simulation model (LANDIS-II) to forecast the interactive effects of climate change, biotic disturbances and silvicultural practices on the composition, structure productivity of Romanian forests at broad scales. This will serve as a strategic decision support tool in defining national policies and local forest planning.
- 5 Name of the project:** Dehesa systems coping with global change: a multi-functional approach (CGL2015-70123-R)
Type of project: Basic research (including archaeological digs, etc)
Degree of contribution: Researcher
Entity where project took place: Institute of Natural Resources and Agrobiology of Seville (IRNAS-CSIC), Spain
Type of entity: Public Research Body
Name principal investigator (PI, Co-PI....): Ignacio Perez Ramos
Name of the programme: National Plan of Scientific Research, Development and Technological Innovation (I+D+i)
Code according to the funding entity: (CGL2014-52858-R)
Start-End date: 01/01/2016 - 31/01/2018
Participating entity/entities: Institute of Natural Resources and Agrobiology of Seville (IRNAS-CSIC), Spain
Total amount: 136.730 €
- 6 Name of the project:** Impacts of climate change and exotic pathogens interactions on the biotic communities of Mediterranean mixed forest (CGL2014-56739-R)
Type of project: Basic research (including archaeological digs, etc)
Degree of contribution: Researcher
Entity where project took place: Institute of Natural Resources and Agrobiology of Seville (IRNAS-CSIC), Spain
Type of entity: Public Research Body
Name principal investigator (PI, Co-PI....): Lorena Gomez Aparicio
N° of researchers: 7
Name of the programme: National Plan of Scientific Research, Development and Technological Innovation (I+D+i)



Code according to the funding entity: (CGL2014-52858-R)

Start-End date: 01/01/2015 - 31/12/2017

Participating entity/entities: Institute of Natural Resources and Agrobiology of Seville (IRNAS-CSIC), Spain; The University of Cordoba, Spain.

Total amount: 179.000 €

7 Name of the project: Restoration and provision of ecosystem services on degraded soils (RestEco) (CGL2014-52858-R)

Type of project: Basic research (including archaeological digs, etc)

Degree of contribution: Researcher

Entity where project took place: Institute of Natural Resources and Agrobiology of Seville (IRNAS-CSIC), Spain **Type of entity:** Public Research Body

Name principal investigator (PI, Co-PI....): Teodoro Marañón Arana

Nº of researchers: 9

Name of the programme: National Plan of Scientific Research, Development and Technological Innovation (I+D+i)

Code according to the funding entity: (CGL2014-52858-R)

Start-End date: 01/01/2015 - 31/12/2017

Participating entity/entities: Cranfield University, UK; EVENOR TECH SL; Institute of Natural Resources and Agrobiology of Seville (IRNAS-CSIC), Spain; The University Of Melbourne, Australia; University Of Copenhagen, Denmark; Utah State University

Total amount: 77.000 €

8 Name of the project: Managing fire to protect biodiversity, carbon, and build resilient landscapes

Type of project: Basic research (including archaeological digs, etc)

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Arthur Rylah Institute

Type of entity: Public Research Body

City of entity: Melbourne, Australia

Name principal investigator (PI, Co-PI....): Josephine MacHunter

Nº of researchers: 7

Funding entity or bodies:

Department of Agriculture, Fisheries and Forestry (DAFF), Australian Government

Type of participation: Others

Name of the programme: Commonwealth Biodiversity Fund

Code according to the funding entity: LSP-943972-876

Start-End date: 01/07/2012 - 30/06/2017

Duration: 5 years

Participating entity/entities: Arthur Rylah Institute; The University of Melbourne

Total amount: 592.160 €

9 Name of the project: Microwave assisted pyrolysis of biosolids

Type of project: Basic research (including archaeological digs, etc)

Geographical area: Regional

Degree of contribution: Researcher

Entity where project took place: The University of Melbourne

Type of entity: University

City of entity: Melbourne, Spain

Name principal investigator (PI, Co-PI....): Graham Brodie (PI); Cristina Aponte (Co-PI); Mohan Jacob (Co-PI); Trevor Bird (Co-PI)

Nº of researchers: 6

**Funding entity or bodies:**

Smart Water Fund, Australia

Type of entity: Foundation**Code according to the funding entity:** 10OS-018**Start-End date:** 01/07/2013 - 30/06/2016**Duration:** 3 years**Participating entity/entities:** James Cook University, Australia; The University of Melbourne; University of Auckland, New Zealand; University of York, UK**Total amount:** 343.773 €**10 Name of the project:** Mapping bushfire severity: A novel radar remote sensing approach**Type of project:** Basic research (including archaeological digs, etc)**Geographical area:** Internal grant**Degree of contribution:** Coordinator of total project, network or consortium**Entity where project took place:** The University of Melbourne **Type of entity:** University**City of entity:** Melbourne, Australia**Name principal investigator (PI, Co-PI....):** Cristina Aponte (PI)**N° of researchers:** 1**Funding entity or bodies:**

The University of Melbourne

Type of participation: Co-ordinator**Name of the programme:** The University of Melbourne Early Career Research Grants**Code according to the funding entity:** RMS 602155**Start-End date:** 01/01/2014 - 31/12/2014**Duration:** 1 year**Participating entity/entities:** The University of Melbourne**Total amount:** 27.844 €**11 Name of the project:** The role of plant-soil feedbacks in the community dynamics of declining Quercus forests (RETROBOS)**Type of project:** Basic research (including archaeological digs, etc)**Geographical area:** National**Degree of contribution:** Researcher**Entity where project took place:** Institute of Natural Resources and Agrobiology of Seville (IRNAS- CSIC) **Type of entity:** Public Research Body**City of entity:** Seville, Andalusia, Spain**Name principal investigator (PI, Co-PI....):** Lorena Gómez Aparicio**Funding entity or bodies:**

Spanish Ministry of Science and Innovation (MICINN)

Type of participation: Others**Name of the programme:** National Plan of Scientific Research, Development and Technological Innovation (I+D+i)**Code according to the funding entity:** CGL2011-26877**Start-End date:** 01/01/2012 - 31/12/2014**Duration:** 4 years**Participating entity/entities:** Institute of Natural Resources and Agrobiology of Seville (IRNAS- CSIC); University of Cordoba, Spain**Total amount:** 141.570 €**12 Name of the project:** Fires, black C, greenhouse gas emissions and the carbon balance of southern sclerophyll forests**Type of project:** Basic research (including archaeological digs, etc)**Geographical area:** National**Degree of contribution:** Researcher



Entity where project took place: The University of Sydney **Type of entity:** University

City of entity: Sydney, Australia

Name principal investigator (PI, Co-PI....): Mark Adams

Nº of researchers: 5

Funding entity or bodies:
Australian Research Council (ARC)

Type of participation: Others

Name of the programme: Linkage Projects

Code according to the funding entity: LP100200825

Start-End date: 01/07/2010 - 30/06/2014 **Duration:** 3 years

Participating entity/entities: Department of Environment and Primary Industries of Victoria; The University of Sydney

Total amount: 362.262 €

13 Name of the project: Comparative analysis and synthesis of the regeneration, decay and distribution patterns of oak species: resilience and global change (ANASINQUE)

Type of project: Basic research (including archaeological digs, etc) **Geographical area:** Regional

Degree of contribution: Researcher

Entity where project took place: Institute of Natural Resources and Agrobiology of Seville (IRNAS-CSIC)

City of entity: Seville, Andalusia, Spain

Name principal investigator (PI, Co-PI....): Teodoro Marañón Arana

Nº of researchers: 23

Funding entity or bodies:
Economy, Innovation and Science Regional Ministry of Andalusia (CICE)

Type of participation: Others

Name of the programme: Projects of Excellence

Code according to the funding entity: PGC2010-RNM-5782

Start-End date: 15/03/2011 - 14/03/2014 **Duration:** 3 years

Participating entity/entities: Autonomous University of Barcelona, Spain; Centre D'ecologie Fonntionelle & Evolutive, France; Evenor-Tech; Institute of Agronomic and Natural Resources of Seville (IRNAS – CSIC); Pirinean Institute of Ecology, Spain (IPE-CSIC); Spanish National Institute for Agricultural and Food Research and Technology (INIA); Spanish National Museum of Natural Sciences (MNCN-CSIC); University of Alcalá, Spain; University of Córdoba, Spain; University of Extremadura, Spain; University of Lisbon, Portugal

Total amount: 223.390 €

14 Name of the project: Biogeochemical alterations by wading birds in Mediterranean terrestrial ecosystems (BIOGEOBIRD)

Type of project: Basic research (including archaeological digs, etc) **Geographical area:** Regional

Degree of contribution: Researcher

Entity where project took place: Institute of Natural Resources and Agrobiology of Seville (IRNAS-CSIC) **Type of entity:** Public Research Body

City of entity: Seville, Andalusia, Spain

Name principal investigator (PI, Co-PI....): Luis Ventura García Fernández

Nº of researchers: 29

Funding entity or bodies:
Economy, Innovation and Science Regional Ministry of Andalusia (CICE)

Type of participation: Others



Name of the programme: Projects of Excellence

Code according to the funding entity: P09-RNM-4987

Start-End date: 11/03/2011 - 10/03/2014

Duration: 3 years - 1 day

Participating entity/entities: Doñana Biological Station, Spain (EDB-CSIC); Institute of Natural Resources and Agrobiology of Seville (IRNAS-CSIC); University of Cordoba, Spain

Total amount: 103.441 €

15 Name of the project: Cork oak decline and global change in the Doñana National Park: an experimental approach (DECALDO)

Type of project: Basic research (including archaeological digs, etc)

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Institute of Natural Resources and Agrobiology of Seville (IRNAS-CSIC)

Type of entity: Public Research Body

City of entity: Seville, Andalusia, Spain

Name principal investigator (PI, Co-PI....): Luis Ventura García Fernández

Funding entity or bodies:

National Parks Autonomous Agency (OAPN)

Type of participation: Others

Code according to the funding entity: 091/2009

Start-End date: 16/12/2009 - 15/12/2013

Duration: 4 years

Participating entity/entities: Doñana Biological Station, Spain (EDB-CSIC); Institute of Natural Resources and Agrobiology of Seville (IRNAS-CSIC); University of Cordoba, Spain

Total amount: 96.881 €

16 Name of the project: Vulnerability of australian forest species to climate change: a mechanistic model approach

Type of project: Basic research (including archaeological digs, etc)

Geographical area: National

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

Entity where project took place: The University of Melbourne

Type of entity: University

City of entity: Melbourne, Australia

Name principal investigator (PI, Co-PI....): Cristina Aponte (PI)

N° of researchers: 1

Funding entity or bodies:

Spanish Ministry of Education, Culture and Sports (MECD)

Type of participation: Co-ordinator

Name of the programme: Postdoctoral Mobility Fellowships

Code according to the funding entity: E-28-2012-0934030

Start-End date: 01/09/2012 - 30/08/2013

Duration: 1 year

Participating entity/entities: The University of Melbourne

Total amount: 51.000 €

17 Name of the project: Soil-climate interactions affecting vulnerability and resilience of Victorian forests to climate change

Type of project: Basic research (including archaeological digs, etc)

Geographical area: International (Non-Australians)

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

Entity where project took place: The University of Melbourne

Type of entity: University



City of entity: Melbourne, Australia

Name principal investigator (PI, Co-PI....): Cristina Aponte (PI)

Nº of researchers: 1

Funding entity or bodies:

Dept. of Education, Employment and Workplace Relations, Australian Government

Type of participation: Co-ordinator

Name of the programme: Australian Endeavour Postdoctoral Research Fellowships

Code according to the funding entity: 3397_2012

Start-End date: 01/09/2012 - 28/02/2013

Duration: 6 months

Participating entity/entities: The University of Melbourne

Total amount: 17.800 €

18 Name of the project: Ecological interactions and global change in Mediterranean forests (INTERBOS)

Type of project: Basic research (including archaeological digs, etc)

Geographical area: National

Degree of contribution: PhD Fellow

Entity where project took place: Institute of Natural Resources and Agrobiology of Seville (IRNAS-CSIC)

Type of entity: Public Research Body

City of entity: Seville, Andalusia, Spain

Name principal investigator (PI, Co-PI....): Teodoro Marañón Arana

Nº of researchers: 8

Funding entity or bodies:

Spanish Ministry of Science and Innovation (MICINN)

Type of participation: Others

Name of the programme: National Plan of Scientific Research, Development and Technological Innovation (I+D+i)

Code according to the funding entity: CGL2008-04503-C03-01/BOS

Start-End date: 01/01/2009 - 31/12/2012

Duration: 4 years

Participating entity/entities: Institute of Natural Resources and Agrobiology of Seville (IRNAS-CSIC); Spanish Forest Research Center (CIFOR); University of Cordoba, Spain

Total amount: 396.154 €

Sub-project amount: 159.478 €

19 Name of the project: Effects of bird populations in the soil and tissues of Quercus suber in Las Pajareras of Doñana Natural Park

Type of project: Basic research (including archaeological digs, etc)

Geographical area: Regional

Degree of contribution: Researcher

Entity where project took place: Institute of Natural Resources and Agrobiology of Seville, (IRNAS-CSIC)

Type of entity: Public Research Body

City of entity: Seville, Andalusia, Spain

Name principal investigator (PI, Co-PI....): Luis Ventura García Fernández

Funding entity or bodies:

Empresa de Gestión Medioambiental, S.A. (EGMASA)

City funding entity: Seville, Spain

Type of participation: Others

Code according to the funding entity: NET460018

Start-End date: 23/09/2008 - 24/09/2009

Duration: 1 year

Total amount: 58.100 €



- 20** **Name of the project:** Dynamics of the Mediterranean forest within a global change scenario (DINAMED)
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** National
Degree of contribution: PhD Fellow
Entity where project took place: Institute of Natural Resources and Agrobiology of Seville (IRNAS-CSIC) **Type of entity:** Public Research Body
City of entity: Seville, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Teodoro Marañon Arana
Nº of researchers: 9
Funding entity or bodies: Spanish Ministry of Science and Innovation (MICINN)
Type of participation: Others
Name of the programme: National Plan of Scientific Research, Development and Technological Innovation (I+D+i)
Code according to the funding entity: CGL2005-05830-C03
Start-End date: 31/12/2004 - 30/12/2008 **Duration:** 4 years
Participating entity/entities: Institute of Natural Resources and Agrobiology of Seville, Spain (IRNAS-CSIC); University of Cordoba, Spain; University of Granada, Spain
Total amount: 282.000 € **Sub-project amount:** 88.000 €
- 21** **Name of the project:** Actions for the conservation of the Mediterranean Temporary Ponds in Crete
Identify key words: Environmental science
Identify key words: Protected area; Natural environment; Ecology
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** European Union
Degree of contribution: Researcher
Entity where project took place: Mediterranean Agronomic Institute of Chania **Type of entity:** Education and research
City of entity: Chania, Kriti, Greece
Name principal investigator (PI, Co-PI....): Elias Dimitriou
Nº of researchers: 6
Funding entity or bodies: LIFE Program - European Union
Type of participation: Team member
Start-End date: 01/11/2004 - 01/11/2008 **Duration:** 4 years
Participating entity/entities: EVDILOS; Hellenic Centre for Marine Research- Institute of Inland Waters; Mediterranean Agronomic Institute of Chania, Greece
Total amount: 1.275.000 €

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

- 1** **Name of the project:** Experience of severely burnt forests
Identify key words: Forest; Fire; Social sciences
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Rebecca Ford; Andrea Rawluk; Kathryn Williams; Cristina Aponte
Nº of researchers: 4
Funding entity or bodies: Department of Environment, Land, Water and Planning of Victoria **Type of entity:** State agency



City funding entity: Australia

Start date: 2018

Duration: 1 year

Total amount: 50.000 €

2 Name of the project: The Integrated Landscape Decision Support System

Identify key words: Forest; Ecosystem management; Environmental science; Climate change; Agriculture; Fire

Type of project: Basic research (including archaeological digs, etc)

Entity where project took place: The University of Melbourne

Degree of contribution: Researcher

Entity where project took place: The University of Melbourne

Type of entity: University

City of entity: Melbourne, Australia

Name principal investigator (PI, Co-PI....): Patrick Lane; Lauren Bennett; Cristina Aponte; Gary Sheridan; Julian DiStefano; Alan York; Craig Nitschke; Sabine Kasel; Trent Penman; Thomas Duff; Kathryn Williams; Tom Kompas

Nº of researchers: 12

Funding entity or bodies:

Department of Environment, Land, Water and Planning of Victoria

Name of the programme: Integrated Forest Ecosystem Research (IFER)

Code according to the funding entity: C2016-19: 03 Landscape Integration

Start date: 01/07/2017

Duration: 2 years

Total amount: 1.474.592 €

3 Name of the project: Integrating carbon into modelling frameworks for bushfire risk management reporting

Identify key words: Forest; Plant growth; Ecosystem management; Environmental science; Agriculture; Fire

Type of project: Basic research (including archaeological digs, etc)

Entity where project took place: The University of Melbourne

Degree of contribution: Researcher

Entity where project took place: The University of Melbourne

Type of entity: University

City of entity: Melbourne, Australia

Name principal investigator (PI, Co-PI....): Lauren Bennett; Cristina Aponte

Nº of researchers: 2

Funding entity or bodies:

Department of Environment and Primary Industries of Victoria, Australia

Type of entity: State agency

Name of the programme: Integrated Forest Ecosystem Research (IFER)

Code according to the funding entity: S2016-18: 03

Start date: 01/07/2016

Duration: 2 years

Total amount: 155.852 €

4 Name of the project: Landscape carbon: Understanding and managing Victoria's forest carbon

Identify key words: Soil science; Forest; Plant growth; Ecosystem management; Environmental science; Agriculture

Type of project: Basic research (including archaeological digs, etc)

Entity where project took place: The University of Melbourne

Degree of contribution: Researcher

Entity where project took place: The University of Melbourne

Type of entity: University



City of entity: Melbourne, Australia

Name principal investigator (PI, Co-PI....): Lauren Bennett; Cristina Aponte

N° of researchers: 2

Funding entity or bodies:

Department of Environment and Primary Industries of **Type of entity:** State agency
Victoria, Australia

Name of the programme: Integrated Forest Ecosystem Research (IFER)

Code according to the funding entity: C2016-19:03

Start date: 01/07/2016

Duration: 3 years

Total amount: 930.403 €

5 Name of the project: Landscape carbon: Understanding and managing Victoria's forest carbon

Type of project: Basic research (including archaeological digs, etc)

Entity where project took place: The University of Melbourne

Degree of contribution: Researcher

Entity where project took place: The University of Melbourne **Type of entity:** University

City of entity: Melbourne, Australia

Name principal investigator (PI, Co-PI....): Lauren Bennett

N° of researchers: 2

Funding entity or bodies:

Department of Environment and Primary Industries of **Type of entity:** State agency
Victoria, Australia

Name of the programme: Integrated Forest Ecosystem Research (IFER)

Code according to the funding entity: C2013-16:03

Start date: 01/07/2013

Duration: 3 years

Total amount: 1.031.298 €

6 Name of the project: Foliar, soil and ectomycorrhizal fungal community characteristics of the centennial oaks of La Vera de Doñana

Type of project: Basic research (including archaeological digs, etc)

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Luis Ventura García Fernández

N° of researchers: 2

Participating entity/entities: Institute of Natural Resources and Agrobiology of Seville (IRNAS-CSIC)

Funding entity or bodies:

Institute of Natural Resources and Agrobiology of Seville (IRNAS-CSIC)

Start date: 01/09/2010

Duration: 1 year

Total amount: 10.000 €

7 Name of the project: Landscape carbon: Understanding and managing Victoria's forest carbon

Type of project: Basic research (including archaeological digs, etc)

Entity where project took place: The University of Melbourne

Degree of contribution: Researcher

Entity where project took place: The University of Melbourne **Type of entity:** University

City of entity: Melbourne, Australia

Name principal investigator (PI, Co-PI....): Lauren Bennett

N° of researchers: 3

Funding entity or bodies:



Department of Environment and Primary Industries of **Type of entity:** State agency
Victoria, Australia

Name of the programme: Integrated Forest Ecosystem Research (IFER)

Code according to the funding entity: C2010-13:03

Start date: 01/07/2010

Duration: 3 years

Total amount: 1.250.000 €

8 Name of the project: How does altered soil chemistry and biology affect waterway revegetation outcomes and ongoing recruitment?

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Fiona Ede

N° of researchers: 8

Participating entity/entities: Melbourne Water; The University of Melbourne

Funding entity or bodies:

Melbourne Water

Total amount: 556.000 €

Scientific and technological activities

Scientific production

H index: 18

Date of application: 07/12/2020

Fuente de Índice H: SCOPUS

Publications, scientific and technical documents

1 Aponte, C; Kazakis, G; Ghosn, D; Papanastasis, VP. Characteristics of the soil seed bank in Mediterranean temporary ponds and its role in ecosystem dynamics. Wetlands Ecology and Management. 18 - 3, pp. 243 - 253. 2010.

Type of production: Scientific paper

Format: Journal

Corresponding author: Yes

Impact source: SCOPUS

Category: Management, Monitoring, Policy and Law

Impact index in year of publication: 0.948

Journal in the top 25%: No

Position of publication: 53

No. of journals in the cat.: 175

Impact source: ISI

Category: Environmental Sciences

Impact index in year of publication: 1.430

Journal in the top 25%: No

Position of publication: 115

No. of journals in the cat.: 205

Source of citations: SCOPUS

Citations: 21

Relevant results: This paper was the centre of a news piece: "The value of seed harboured in Mediterranean temporary ponds", published in "Science for Environment Policy": European Commission DG Environment News Alert Service, edited by SCU, The University of the West of England, Bristol.

Reviews in journals: 1

- 2** Jaime Madrigal-Gonzalez; Joaquin Calatayud; Juan A Ballesteros-Canovas; Adri{\a}n Escudero; Luis Cayuela; Marta Rueda; Paloma Ruiz-Benito; Asier Herrero; Cristina Aponte; Rodrigo Sagardia; others. Climate reverses directionality in the richness--abundance relationship across the World's main forest biomes. *Nature communications*. 11 - 1, pp. 1 - 7. Nature Publishing Group, 2020.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
Impact source: ISI **Category:** Science Edition - MULTIDISCIPLINARY SCIENCES
Impact index in year of publication: 12.121 **Journal in the top 25%:** Yes
Position of publication: 6 **No. of journals in the cat.:** 7
- 3** Bang Nguyen Tran; Mihai A Tanase; Lauren T Bennett; Cristina Aponte. High-severity wildfires in temperate Australian forests have increased in extent and aggregation in recent decades. *PLoS one*. 15 - 11, pp. e0242484 - e0242484. Public Library of Science San Francisco, CA USA, 2020.
Type of production: Scientific paper **Format:** Journal
- 4** Yogendra K (*) Karna; Trent D Penman; Cristina Aponte; Nina Hinko-Najera; Lauren T Bennett. Persistent changes in the horizontal and vertical canopy structure of fire-tolerant forests after severe fire as quantified using multi-temporal airborne lidar data. *Forest Ecology and Management*. 472, pp. 118255 - 118255. Elsevier, 2020.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Forestry
Impact index in year of publication: 3.170 **Journal in the top 25%:** Yes
Position of publication: 5 **No. of journals in the cat.:** 68
Source of citations: SCOPUS **Citations:** 1
- 5** Calatayud, J.; [...]; Madrigal-González, J.. Positive associations among rare species and their persistence in ecological assemblages. *Nature Ecology & Evolution*. 2020.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
Impact source: ISI **Category:** Ecology
Impact index in year of publication: 10.965 **Journal in the top 25%:** Yes
Position of publication: 2 **No. of journals in the cat.:** 165
Source of citations: Nature Ecology & Evolution **Citations:** 1
- 6** Lauren T Bennett; Nina Hinko-Najera; Cristina Aponte; Craig R Nitschke; Thomas A Fairman; Melissa Fedrigo; Sabine Kasel. Refining benchmarks for soil organic carbon in Australia's temperate forests. *Geoderma*. 368, pp. 114246 - 114246. Elsevier, 2020.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Soil Science
Impact index in year of publication: 4.848 **Journal in the top 25%:** Yes
Position of publication: 3 **No. of journals in the cat.:** 38
Source of citations: SCOPUS **Citations:** 3
- 7** Bermudez Contreras, A.I. (*); Ede, F.; Waymouth, V.; Miller, R.E; Aponte, C.. Revegetation technique changes root mycorrhizal communities: the advantage of direct seeding over transplanting tube-stock in riparian ecosystems. *Plant Ecology*. 2020.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No

**Impact source:** ISI**Impact index in year of publication:** 1.509**Position of publication:** 96**Category:** Plant Science**Journal in the top 25%:** No**No. of journals in the cat.:** 228

- 8** Aponte, C.; [...]; Bennett, L.T.. Structural diversity underpins carbon storage in Australian temperate forests. *Global Ecology and Biogeography*. 10.1111/geb.13038, 2020.

Type of production: Scientific paper**Corresponding author:** Yes**Impact source:** ISI**Impact index in year of publication:** 5.667**Position of publication:** 17**Format:** Journal**Category:** Ecology**Journal in the top 25%:** Yes**No. of journals in the cat.:** 165

- 9** Vicky (*) Waymouth; Rebecca E Miller; Fiona Ede; Andrew Bissett; Cristina Aponte. Variation in soil microbial communities: elucidating relationships with vegetation and soil properties, and testing sampling effectiveness. *Plant Ecology*. 221 - 9, pp. 837 - 851. Springer, 2020.

Type of production: Scientific paper**Impact source:** ISI**Impact index in year of publication:** 1.509**Position of publication:** 114**Format:** Journal**Category:** Plant Science**Journal in the top 25%:** No**No. of journals in the cat.:** 169

- 10** Karna, Y.K. (*); Penman, T.D.; Aponte, C.; Bennett, L.T.. Assessing Legacy Effects of Wildfires on the Crown Structure of Fire-Tolerant Eucalypt Trees Using Airborne LiDAR Data. *Remote Sensing*. 11, pp. 2433. 2019.

Type of production: Scientific paper**Corresponding author:** No**Impact source:** ISI**Impact index in year of publication:** 4.118**Position of publication:** 7**Format:** Journal**Category:** Remote Sensing**Journal in the top 25%:** Yes**No. of journals in the cat.:** 30

- 11** Castro-Diez, P; Vaz, A.S; Silva, J.S; van Loo, M; Alonso, A; Aponte, C; [...]; Godoy, O. Global effects of non?native tree species on multiple ecosystem services. *Biological Reviews*. in press - 10.1111/brv.12511, 2019.

Type of production: Scientific paper**Corresponding author:** No**Impact source:** ISI**Impact index in year of publication:** 10.288**Position of publication:** 2**Format:** Journal**Category:** Science Edition - BIOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 87

- 12** Tanase, M; Villard, L; [...]; Aponte, C; Badea, O. Synthetic Aperture Radar sensitivity to forest changes: a simulations-based study for the Romanian forests. *Science of the Total Environment*. in press, 2019.

Type of production: Scientific paper**Corresponding author:** No**Impact source:** ISI**Impact index in year of publication:** 5.589**Position of publication:** 27**Category:** Environmental Science (miscellaneous)**Journal in the top 25%:** Yes**No. of journals in the cat.:** 250

- 13** Kaudal, B (*); Aponte, C; Brodie, G. Biochar from biosolids microwaved-pyrolysis: Characteristics and potential for use as growing media amendment. *Journal of analytical and applied pyrolysis*. 130, pp. 181 - 189. 2018.

Type of production: Scientific paper**Corresponding author:** No**Format:** Journal



Impact source: ISI

Impact index in year of publication: 3.468

Position of publication: 15

Impact source: ISI

Impact index in year of publication: 3.468

Position of publication: 5

Source of citations: SCOPUS

Relevant results: (*) Research assistant supervised by Cristina Aponte

Category: Chemistry, Analytical

Journal in the top 25%: Yes

No. of journals in the cat.: 81

Category: Spectroscopy

Journal in the top 25%: Yes

No. of journals in the cat.: 43

Citations: 3

- 14** Tanase, M.A.; Aponte, C; Mermoz, S; Bouvet, A; Le Toan, T; Heurich, M. Detection of windthrows and insect outbreaks by L-band SAR: A case study in the Bavarian Forest National Park. *Remote Sensing of Environment*. 209, pp. 700 - 711. 2018. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0034425715301103>>.

Type of production: Scientific paper

Corresponding author: No

Impact source: ISI

Impact index in year of publication: 6.457

Position of publication: 1

Impact source: ISI

Impact index in year of publication: 6.457

Position of publication: 12

Source of citations: WOS

Format: Journal

Category: Remote Sensing

Journal in the top 25%: Yes

No. of journals in the cat.: 30

Category: Environmental Sciences

Journal in the top 25%: Yes

No. of journals in the cat.: 242

Citations: 4

- 15** Tran, N. B. (*); Tanase, M. A.; Bennett, L. T; Aponte, C. Evaluation of Spectral Indices for Assessing Fire Severity in Australian Temperate Forests. *Remote Sensing*. 10 - 11, pp. 1680. 2018. Available on-line at: <<https://www.mdpi.com/2072-4292/10/11/1680>>.

Type of production: Scientific paper

Corresponding author: No

Impact source: ISI

Impact index in year of publication: 3.406

Position of publication: 8

Impact source: SCOPUS

Impact index in year of publication: 4.56

Position of publication: 11

Source of citations: SCOPUS

Format: Journal

Category: Remote Sensing

Journal in the top 25%: No

No. of journals in the cat.: 30

Category: General Earth and Planetary Sciences

Journal in the top 25%: Yes

No. of journals in the cat.: 182

Citations: 1

- 16** Lauren Bennett; MJ Bruce; J Machunter; M Kokout; SJ Krishnaraj; Cristina Aponte. Assessing fire impacts on the carbon stability of fire-tolerant forests. *Ecological Applications*. 27 - 8, pp. 2497 - 2513. 2017. Available on-line at: <<https://esajournals.onlinelibrary.wiley.com/doi/abs/10.1002/eap.1626>>.

Type of production: Scientific paper

Corresponding author: No

Impact source: ISI

Impact index in year of publication: 4.393

Position of publication: 26

Impact source: ISI

Impact index in year of publication: 4.393

Format: Journal

Category: Ecology

Journal in the top 25%: Yes

No. of journals in the cat.: 160

Category: Environmental Sciences

Journal in the top 25%: Yes

**Position of publication:** 37**No. of journals in the cat.:** 242**Source of citations:** SCOPUS**Citations:** 0

- 17** Ossola, A (*); Aponte, C; Hahs, AK; Livesley, SJ. Contrasting effects of urban habitat complexity on metabolic functional diversity and composition of litter and soil bacterial communities. *Urban ecosystems*. 20 - 3, pp. 595 - 607. 2017. Available on-line at: <<https://link.springer.com/article/10.1007%2Fs11252-016-0617-2>>.

Type of production: Scientific paper**Format:** Journal**Corresponding author:** No**Impact source:** SCOPUS**Category:** Urban Studies**Impact index in year of publication:** 0.950**Journal in the top 25%:** Yes**Position of publication:** 11**No. of journals in the cat.:** 142**Impact source:** ISI**Category:** Biodiversity Conservation**Impact index in year of publication:** 2.005**Journal in the top 25%:** No**Position of publication:** 24**No. of journals in the cat.:** 57**Impact source:** ISI**Category:** Ecology**Impact index in year of publication:** 2.005**Journal in the top 25%:** No**Position of publication:** 81**No. of journals in the cat.:** 160**Source of citations:** WOS**Citations:** 1**Relevant results:** (*) PhD student supervised by Cristina Aponte

- 18** Kasel, S; Bennett, L. T; Aponte, C.; Fedrigo, M; Nitschke, C. R.. Environmental heterogeneity promotes floristic turnover in temperate forests of south-eastern Australia more than dispersal limitation and disturbance. *Landscape Ecology*. 32 - 8, pp. 1613 - 1629. 2017. Available on-line at: <<https://link.springer.com/article/10.1007%2Fs10980-017-0526-7>>.

Type of production: Scientific paper**Format:** Journal**Corresponding author:** No**Impact source:** ISI**Category:** Geosciences, Multidisciplinary**Impact index in year of publication:** 3.833**Journal in the top 25%:** Yes**Position of publication:** 24**No. of journals in the cat.:** 190**Impact source:** ISI**Category:** Ecology**Impact index in year of publication:** 3.833**Journal in the top 25%:** Yes**Position of publication:** 33**No. of journals in the cat.:** 160**Source of citations:** SCOPUS**Citations:** 5**Relevant results:** This study was conducted using the Victorian Forest Carbon Database collated by Cristina Aponte

- 19** CR Nitschke; PO Waeber; JW Klaassen; J Dordel; JL Innes; Cristina Aponte. Nutrient uptake and use efficiency in co-occurring plants along a disturbance and nutrient availability gradient in the boreal forests of the southwest Yukon, Canada. *Journal of Vegetation Science*. 28 - 1, pp. 69 - 81. 2017. Available on-line at: <<https://onlinelibrary.wiley.com/doi/abs/10.1111/jvs.12468>>.

Type of production: Scientific paper**Format:** Journal**Corresponding author:** No**Impact source:** ISI**Category:** Plant Sciences**Impact index in year of publication:** 2.658**Journal in the top 25%:** Yes**Position of publication:** 54**No. of journals in the cat.:** 223**Impact source:** ISI**Category:** Ecology



Impact index in year of publication: 2.658
Position of publication: 57

Impact source: ISI
Impact index in year of publication: 2.658
Position of publication: 8

Source of citations: WOS

Journal in the top 25%: Yes
No. of journals in the cat.: 160

Category: Forestry
Journal in the top 25%: Yes
No. of journals in the cat.: 66

Citations: 3

- 20** Aponte, C; De Groot, WJ; Wotton, BM. Forest fires and climate change: Causes, consequences and management options. *International Journal of Wildland Fire*. 25 - 8, pp. i - ii. 2016.

Type of production: Scientific paper
Corresponding author: Yes

Impact source: ISI
Impact index in year of publication: 2.748
Position of publication: 5

Source of citations: SCOPUS

Format: Journal

Category: Forestry
Journal in the top 25%: Yes
No. of journals in the cat.: 64

Citations: 5

- 21** Bennett, LT; Bruce, MJ; MacHunter, J; Kohout, M; Tanase, MA; Aponte C. Mortality and recruitment of fire-tolerant eucalypts as influenced by wildfire severity and recent prescribed fire. *Forest Ecology and Management*. 380, pp. 107 - 117. 2016. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S0378112716304741?via%3Dihub>>.

Type of production: Scientific paper
Corresponding author: No

Impact source: ISI
Impact index in year of publication: 3.064
Position of publication: 3

Source of citations: SCOPUS

Format: Journal

Category: Forestry
Journal in the top 25%: Yes
No. of journals in the cat.: 64

Citations: 12

- 22** Jenkins, ME; Bell, TL; Poon, LF; Aponte, C; Adams, MA. Production of pyrogenic carbon during planned fires in forests of East Gippsland, Victoria. *Forest Ecology and Management*. 373 - 4, pp. 9 - 16. 2016. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S0378112716301979?via%3Dihub>>.

Type of production: Scientific paper

Impact source: ISI
Impact index in year of publication: 3.064
Position of publication: 3

Source of citations: SCOPUS

Format: Journal

Category: Forestry
Journal in the top 25%: Yes
No. of journals in the cat.: 64

Citations: 9

- 23** Mihai Tanase; Robert Kennedy; Cristina Aponte. Radar Burn Ratio for fire severity estimation at canopy level: An example for temperate forests. *Remote Sensing of Environment*. 170, pp. 14 - 31. 2015. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0034425715301103>>.

Type of production: Scientific paper

Impact source: ISI
Impact index in year of publication: 5.881
Position of publication: 1

Impact source: ISI
Impact index in year of publication: 5.881
Position of publication: 10

Format: Journal

Category: Remote Sensing
Journal in the top 25%: Yes
No. of journals in the cat.: 28

Category: Environmental sciences
Journal in the top 25%: Yes
No. of journals in the cat.: 225

Source of citations: SCOPUS**Citations:** 5

- 24** Mihai Tanase; Robert Kennedy; Cristina Aponte. Fire severity estimation from space: A comparison of active and passive sensors and their synergy for different forest types. *International Journal of Wildland Fire*. in press, 2015. Available on-line at: <<http://www.publish.csiro.au/nid/114/display/citation/paper/WF15059.htm>>.

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Category:** Forestry**Impact index in year of publication:** 2.078**Journal in the top 25%:** Yes**Position of publication:** 10**No. of journals in the cat.:** 66**Source of citations:** SCOPUS**Citations:** 7

- 25** Mihai Tanase; Rocco Panciera; Kim Lowell; Cristina Aponte. Monitoring live fuel moisture in semi-arid environments using L-band radar data. *International Journal of Wildland Fire*. 24 - 4, pp. 560 - 572. 2015. Available on-line at: <http://www.publish.csiro.au/view/journals/dsp_journals_pip_abstract_scholar1.cfm?nid=114&pip=WF14149>.

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Category:** Forestry**Impact index in year of publication:** 2.078**Journal in the top 25%:** Yes**Position of publication:** 10**No. of journals in the cat.:** 66**Source of citations:** SCOPUS**Citations:** 3

- 26** Deepa S. Rawal; Sabine Kasel; Marie R. Keatley; Cristina Aponte; Craig R. Nitschke. Environmental effects on growth phenology of co-occurring Eucalyptus species. *International Journal of Biometeorology*. 58 - 4, pp. 427 - 442. 2014.

Type of production: Scientific paper**Format:** Journal**Corresponding author:** No**Impact source:** ISI**Category:** Environmental sciences**Impact index in year of publication:** 2.104**Journal in the top 25%:** No**Position of publication:** 86**No. of journals in the cat.:** 216**Source of citations:** SCOPUS**Citations:** 9

- 27** Bennett, L. T.; Aponte, C.; Baker, T. G.; Tolhurst, K. G.. Evaluating long-term effects of prescribed fire regimes on carbon stocks in a temperate eucalypt forest. *Forest Ecology and Management*. 328, pp. 219 - 228. 2014.

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Category:** Forestry**Impact index in year of publication:** 2.667**Journal in the top 25%:** Yes**Position of publication:** 4**No. of journals in the cat.:** 64**Source of citations:** SCOPUS**Citations:** 19

- 28** Tanase, M. A.; Panciera, R.; Lowell, K.; Aponte, C.; Hacker, J. M.; Walker, J. P.. Forest Biomass Estimation at High Spatial Resolution: Radar Versus Lidar Sensors. *Ieee Geoscience and Remote Sensing Letters*. 11 - 3, pp. 711 - 715. 2014.

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Category:** Remote Sensing**Impact index in year of publication:** 1.809**Journal in the top 25%:** No**Position of publication:** 11**No. of journals in the cat.:** 27**Source of citations:** SCOPUS**Citations:** 8

- 29** Kodym, A; Clarke, I; Aponte, C; Turner, S; Bunn, E; Delpratt, J. Large scale micropropagation of the Australian key species *Gahnia radula* (Cyperaceae) and its return to revegetation sites. *Australian Journal of Botany*. 2014.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Plant Science
Impact index in year of publication: 0.903 **Journal in the top 25%:** No
Position of publication: 130 **No. of journals in the cat.:** 199
Source of citations: SCOPUS **Citations:** 1
- 30** Tanase, M. A.; Santoro, M; Aponte,; de la Riva, J. Polarimetric Properties of Burned Forest Areas at C- and L-Band. *Ieee Journal of Selected Topics in Applied Earth Observations and Remote Sensing*. 7 - 1, pp. 267 - 276. 2014.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Remote Sensing
Impact index in year of publication: 2.827 **Journal in the top 25%:** Yes
Position of publication: 5 **No. of journals in the cat.:** 27
Source of citations: SCOPUS **Citations:** 14
- 31** Aponte, C; Tolhurst, K. G.; Bennett, L. T.. Repeated prescribed fires decrease stocks and change attributes of coarse woody debris in a temperate eucalypt forest. *Ecological Applications*. 24 - 5, pp. 976 - 989. 2014.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
Impact source: ISI **Category:** Environmental sciences
Impact index in year of publication: 4.126 **Journal in the top 25%:** Yes
Position of publication: 18 **No. of journals in the cat.:** 216
Source of citations: SCOPUS **Citations:** 24
- 32** Cristina Aponte; Luis Matias; Victoria Gonzalez-Rodriguez; Jorge Castro; Luis V. Garcia; Rafael Villar; Teodoro Maraño. Soil nutrients and microbial biomass in three contrasting Mediterranean forests. *Plant and Soil*. 380 - 1-2, pp. 57 - 72. 2014.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
Impact source: ISI **Category:** Soil Science
Impact index in year of publication: 3.235 **Journal in the top 25%:** Yes
Position of publication: 3 **No. of journals in the cat.:** 34
Source of citations: SCOPUS **Citations:** 4
- 33** Ignacio Pérez-Ramos; Cristina Aponte; Luis Ventura García; Carmen Padilla-Díaz; Teodoro Maraño. Why Is Seed Production So Variable among Individuals? A Ten-Year Study with Oaks Reveals the Importance of Soil Environment. *PLoS ONE*. 9 - 12, pp. e115371. 2014. Available on-line at: <<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0115371>>.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
Impact source: ISI **Category:** Multidisciplinary Sciences
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:** 10

- 34** Lauren T. Bennett; Cristina Aponte; Kevin G. Tolhurst; Markus Loew; Thomas G. Baker. Decreases in standing tree-based carbon stocks associated with repeated prescribed fires in a temperate mixed-species eucalypt forest. *Forest Ecology and Management*. 306, pp. 243 - 255. 2013.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Forestry
Impact index in year of publication: 2.667 **Journal in the top 25%:** Yes
Position of publication: 4 **No. of journals in the cat.:** 64
Source of citations: WOS **Citations:** 13
- 35** P. De Vita; M. S. Serrano; C. Ramo; C. Aponte; L. V. Garcia; L. Belbahri; M. E. Sanchez. First report of root rot caused by *Pythium spiculum* affecting cork oaks at Donana Biological Reserve in Spain. *Plant Disease*. 97 - 7, pp. 991 - 991. 2013.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Plant Sciences
Impact index in year of publication: 2.455 **Journal in the top 25%:** No
Position of publication: 53 **No. of journals in the cat.:** 197
Source of citations: WOS **Citations:** 1
- 36** Cristina Aponte; Luis V. Garcia; Teodoro Marañon. Tree species effects on nutrient cycling and soil biota: A feedback mechanism favouring species coexistence. *Forest Ecology and Management*. 309, pp. 36 - 46. 2013.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Forestry
Impact index in year of publication: 2.667 **Journal in the top 25%:** Yes
Position of publication: 4 **No. of journals in the cat.:** 64
Source of citations: SCOPUS **Citations:** 49
- 37** Maria T. Dominguez; Cristina Aponte; Ignacio M. Perez-Ramos; Luis V. Garcia; Rafael Villar; Teodoro Marañon. Relationships between leaf morphological traits, nutrient concentrations and isotopic signatures for Mediterranean woody plant species and communities. *Plant and Soil*. 357 - 1-2, pp. 407 - 424. 2012.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Soil Science
Impact index in year of publication: 2.638 **Journal in the top 25%:** Yes
Position of publication: 4 **No. of journals in the cat.:** 34
Source of citations: SCOPUS **Citations:** 39
- 38** Cristina Aponte; Luis V. Garcia; Teodoro Marañon. Tree species effect on litter decomposition and nutrient release in Mediterranean oak forests changes over time. *Ecosystems*. 15 - 7, pp. 1204 - 1218. 2012.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Ecology
Impact index in year of publication: 3.165 **Journal in the top 25%:** No
Position of publication: 35 **No. of journals in the cat.:** 136
Source of citations: SCOPUS **Citations:** 49



- 39** Cristina Aponte. Interacciones planta-suelo en un bosque Mediterráneo (Plant-soil interactions in a Mediterranean forest). *Ecosistemas*. 20 - 2-3, pp. 95 - 100. Asociación Española de Ecología Terrestre AEET (Spanish Association of Terrestrial Ecology), 2011. ISSN 1697-2473
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 40** Cristina Aponte; Luis V. Garcia; Ignacio M. Perez-Ramos; Eduardo Gutierrez; Teodoro Marañon. Oak trees and soil interactions in Mediterranean forests: a positive feedback model. *Journal of Vegetation Science*. 22 - 5, pp. 856 - 867. 2011.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
Impact source: ISI **Category:** Forestry
Impact index in year of publication: 2.770 **Journal in the top 25%:** Yes
Position of publication: 3 **No. of journals in the cat.:** 59
Source of citations: SCOPUS **Citations:** 19
- 41** Luis V. Garcia; Cristina Ramo; Cristina Aponte; Adela Moreno; Maria T. Dominguez; Lorena Gomez-Aparicio; Ramon Redondo; Teodoro Marañon. Protected wading bird species threaten relict centenarian cork oaks in a Mediterranean Biosphere Reserve: A conservation management conflict. *Biological Conservation*. 144 - 2, pp. 764 - 771. 2011.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Environmental sciences
Impact index in year of publication: 4.115 **Journal in the top 25%:** Yes
Position of publication: 18 **No. of journals in the cat.:** 205
Source of citations: SCOPUS **Citations:** 23
- 42** Aponte, C; Garcia, LV; Marañon, T; Gardes, M. Indirect host effect on ectomycorrhizal fungi: Leaf fall and litter quality explain changes in fungal communities on the roots of co-occurring Mediterranean oaks. *Soil Biology & Biochemistry*. 42 - 5, pp. 788 - 796. 2010.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
Impact source: ISI **Category:** Soil Science
Impact index in year of publication: 3.242 **Journal in the top 25%:** Yes
Position of publication: 1 **No. of journals in the cat.:** 32
Source of citations: SCOPUS **Citations:** 52
- 43** Cristina Aponte; Teodoro Marañon; Luis V. Garcia. Microbial C, N and P in soils of Mediterranean oak forests: influence of season, canopy cover and soil depth. *Biogeochemistry*. 101 - 1-3, pp. 77 - 92. 2010.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Environmental Sciences
Impact index in year of publication: 2.674 **Journal in the top 25%:** Yes
Position of publication: 45 **No. of journals in the cat.:** 193
Source of citations: SCOPUS **Citations:** 62
- 44** Cristina Aponte. Interacciones planta-suelo en un bosque Mediterráneo (Plant-soil interactions in a Mediterranean forest). pp. 213. University of Seville, 2010. Available on-line at: <fondosdigitales.us.es>. ISBN 978-8-4694-2488-9
Collection: Tesis doctorales / PhD Thesis
Type of production: Scientific book or monograph **Format:** Book

- 45** Lauren T. Bennett; Cristina Aponte. Integrating carbon into modelling frameworks for bushfire risk management reporting: Final Proof-of-Concept Report. 2018.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
- 46** Cristina Aponte; Lauren T. Bennett. Analysis and synthesis of the Victorian Forest Carbon database. 2017.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
- 47** Lauren T. Bennett; Cristina Aponte. Integrating carbon into modelling frameworks for bushfire risk management reporting: Conceptual framework of carbon integration with other iFER models. 2017.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
- 48** Cristina Aponte; Lauren T. Bennett. Integrating carbon into modelling frameworks for bushfire risk management reporting: Final carbon response functions. 2017.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
- 49** Lauren T. Bennett; Cristina Aponte. Integrating carbon into modelling frameworks for bushfire risk management reporting: Ideal carbon response functions. 2017.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
- 50** Lauren T. Bennett; Cristina Aponte. Integrating carbon into modelling frameworks for bushfire risk management reporting: Proposed carbon risk measures. 2017.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
- 51** Cristina Aponte; Lauren T. Bennett; Julian Di Stefano; Thomas Duff; Sabine Kasel; Patrick Lane; Craig Nischke; Trent Penman; Gary Sheridan; Alan York. The Integrated Landscape Decision Support System: Project Scope and System Logic. 2017.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
- 52** Cristina Aponte; Lauren T. Bennett; Julian Di Stefano; Thomas Duff; Sabine Kasel; Patrick Lane; Craig Nischke; Trent Penman; Gary Sheridan; Alan York. Integrated Forest Ecosystem Research (IFER): Program Outcomes 2010-16. 2016.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
- 53** Cristina Aponte; Lauren T. Bennett. Rationale, methods and assumptions underpinning the Victorian Forest Carbon Modelling Framework. 2016.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
- 54** Cristina Aponte; Lauren T. Bennett. Summary of the Victorian Forest Carbon Database. 2016.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
- 55** Cristina Aponte; Lauren T. Bennett. Accounting for multiple values in forest landscapes. 2015.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
- 56** Mohsen Forouzangohar; Cristina Aponte; Lauren T. Bennett. Analysis of VFMP post-fire recovery data: comparison between burnt and non-burnt plots with time since bushfire. 2015.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
- 57** Cristina Aponte; Lauren T. Bennett; Julian Di Stefano; Thomas Duff; Sabine Kasel; Patrick Lane; Craig Nischke; Gary Sheridan; Kevin Tolhurts; Alan York. Integrated Forest Ecosystem Research (IFER): Program Outcomes 2010-13. 2014.



Type of production: Scientific-technical report

Format: Scientific and technical document or report

- 58** Cristina Aponte; Lauren T. Bennett. Establishment and maintenance of a forest carbon reporting database. 2012.

Type of production: Scientific-technical report

Format: Scientific and technical document or report

Corresponding author: Yes

- 59** Cristina Aponte. The soil seed bank of Mediterranean temporary ponds in western Crete. pp. 1 - 98. Mediterranean Agronomic Institute of Chania, Greece, 2007. Available on-line at: <<http://library.maich.gr/cgi-bin-EN/egwcgi/5332/showfull.egw/1+0+1+full>>.

Type of production: MSc thesis

Format: Scientific and technical document or report

Works submitted to national or international conferences

- 1** **Title of the work:** Are high severity fires increasing in southern Australia?

Name of the conference: IEEE- IGARS

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Virtual Symposium,

Date of event: 26/09/2020

End date: 02/10/2020

Organising entity: Geoscience and Remote Sensing Society

Bang, N.T. (*); Tanase, M.A.; Bennett, L.T.; Aponte, C.

- 2** **Title of the work:** Adapting to climate change: Assessing the effectiveness of alternative forest management practices using a spatially explicit model

Name of the conference: The International Society for Ecological Modelling Global Conference 2019

Type of participation: Participatory - poster

Corresponding author: No

City of event: Salzburg, Austria

Date of event: 01/10/2019

End date: 09/09/2019

Organising entity: The International Society for Ecological Modelling

(**) Postdoc under supervision of C. Aponte; Badea, O; Tanase, M; Aponte, C.

- 3** **Title of the work:** Connecting to local mycorrhizal communities: direct seeded plants have an advantage over tube-stock plants

Name of the conference: 8th World Conference on Ecological Restoration 2019

Type of event: Conference

Type of participation: Participatory - poster

Corresponding author: No

City of event: Cape Town, South African Republic

Date of event: 22/09/2019

End date: 27/09/2019

Organising entity: The Society for Ecological Restoration (SER)

Bermudez Contreras, A (*); Aponte, C; Miler, R; Waymouth, V; Ede, F.

- 4** **Title of the work:** Fire severity classification across temperate Australian forests: random forests vs. spectral index thresholding

Name of the conference: SPIE Remote Sensing 2019



Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Strasbourg, France

Date of event: 09/09/2019

End date: 12/09/2019

Organising entity: SPIE

Type of contribution: Scientific paper

Tran, B.N (*); Tanase, M; Bennett, L.T; Aponte, C. En: emote Sensing for Agriculture, Ecosystems, and Hydrology. International Society for Optics and Photonics, 2019.

DOI: 10.1117/12.2535616

- 5 Title of the work:** Arbuscular mycorrhizal vs. Ectomycorrhizae: Changes in community composition after revegetation in riparian ecosystems

Name of the conference: International Conference of Mycorrhiza ICOM 10

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Merida, Mexico

Date of event: 30/06/2019

End date: 05/07/2019

Organising entity: International association of Mycorrhiza

Waymouth, V (*); Miller, R; Ede, F; Aponte, C.

- 6 Title of the work:** Revegetation technique changes root mycorrhizal communities: the advantage of direct seeding over transplanting tube-stock in riparian ecosystems

Name of the conference: International Conference of Mycorrhiza ICOM 10

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - poster

Corresponding author: No

City of event: Merida, Mexico

Date of event: 30/06/2019

End date: 05/07/2019

Organising entity: International association of Mycorrhiza

Bermudez Contreras, I (*); Aponte, C; Ede, F; Waymouth, V; Miller, R.

- 7 Title of the work:** Trees, soil chemistry and microbiota interactions: driving forces and feedback processes in a Mediterranean remediated ecosystem.

Name of the conference: XXV IUFRO World Congress

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Curitiba, Brazil

Date of event: 2019

Organising entity: IUFRO

Marañón, T.; Gil Martínez, M; Aponte, C.; [...]; Domínguez, M.T.

- 8 Title of the work:** Can soil mycorrhizal fungi help in ecological restoration?

Name of the conference: Ecological Society of Australia 2018 Annual conference

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: No



City of event: Brisbane, Australia
Date of event: 25/11/2018
End date: 29/11/2018
Organising entity: Ecological Society of Australia
McGimpsey, V (*); Aponte, C; Miller, R; Ede, F.

- 9** **Title of the work:** Let the fungi save the trees: the role of the underground fungal network on the conservation of riparian forests
Name of the conference: Ecological Society of Australia 2018 Annual conference
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - invited/keynote talk **Reasons for participation:** Recipient of Applied Forest Ecology Award
Corresponding author: No
City of event: Brisbane, Australia
Date of event: 25/11/2018
End date: 29/11/2018
Organising entity: Ecological Society of Australia
Bermudez, A (*); Ede, F; Aponte, C.

- 10** **Title of the work:** Evaluation of Spectral Indices for Assessing Fire Severity in Victorian Temperate Forests, Australia
Name of the conference: ISCRAM Asia Pacific 2018 Conference: Innovating for Resilience
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Wellington, New Zealand
Date of event: 05/11/2018
End date: 07/11/2018
Organising entity: ISCRAM- Information Systems for Crisis Response and Management Association
Type of entity: Associations and Groups
Publication in conference proceedings: Yes
Type of contribution: Scientific paper
Tran, NB (*); Tanase, MA; Bennett, LT; Aponte, C. "Evaluation of Spectral Indices for Assessing Fire Severity in Victorian Temperate Forests, Australia.". pp. 213 - 222. Massey University, 2018, 2018. Available on-line at: <<https://www.dropbox.com/s/kgfng68ls7nldi1/ISCRAM%20Asia%20Pacific%202018%20Proceedings%20Final.pdf?dl=1>>. ISBN 978-0-473-45447-0

- 11** **Title of the work:** A question of time; mycorrhizal community change along a restoration trajectory
Name of the conference: SERA Conference 2018: Striving for restoration excellence
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Brisbane, Australia
Date of event: 25/09/2018
End date: 28/09/2018
Organising entity: The Society for Ecological Restoration Australasia (SERA) **Type of entity:** Associations and Groups
McGimpsey, V (*); Miller, R; Ede, F; Aponte, C.



- 12** **Title of the work:** Back to the future: Forecasting the trajectory of temperate forests using a landscape simulation model
Name of the conference: International Scientific Conference 'Forest Science for a Sustainable Forestry and Human Wellbeing in a Changing World'
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
Corresponding author: Yes
City of event: Bucharest, Romania
Date of event: 18/09/2018
End date: 21/09/2018
Organising entity: National Institute for Research and Development in Forestry (INCDS) "Marin Dr?cea"
Type of entity: R&D Centre
Aponte, C.
- 13** **Title of the work:** Changes on soil and eucalypt ectomycorrhizal communities across a climatic gradient in south-east Australia
Name of the conference: 9th International Conference on Mycorrhiza -ICOM9
Type of event: Conference
Geographical area: Non EU International
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Prague, Czech Republic
Date of event: 30/07/2017
End date: 04/08/2017
Organising entity: International Mycorrhiza Society
Withana, R (*); Nitschke, CR; Aponte, C.; Kasel, S.
- 14** **Title of the work:** The Response of Silver Beet to Microwave Generated Biochar
Name of the conference: 51 st Annual Microwave Power Symposium
Type of event: Conference
Geographical area: Non EU International
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Miami, United States of America
Date of event: 20/06/2017
End date: 22/06/2017
Organising entity: International Microwave Power Institute (IMPI)
Publication in conference proceedings: Yes
Type of contribution: Scientific paper
Brodie, G; Kaudal, BB; Aponte, C. pp. 29 - 31. 2016.
- 15** **Title of the work:** Changes in eucalypt-ectomycorrhizal associations across a climatic gradient
Name of the conference: Ecological Society of Australia 2016 Annual conference
Type of event: Conference
Geographical area: Non EU International
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Freemantle, Australia
Date of event: 27/11/2016
End date: 02/12/2016
Organising entity: Ecological Society of Australia
[Withana, R (*); Aponte, C; Kasel, S; Egidi, E; Lebel, T; May, T; Nitschke, R.



- 16** **Title of the work:** Disentangling environmental effects on diversity of Ectomycorrhizal communities in south-east Australia
Name of the conference: Ecological Society of Australia 2016 Annual conference
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Freemantle, Australia
Date of event: 27/11/2016
End date: 02/12/2016
Organising entity: Ecological Society of Australia
Withana, R (*); Kasel, S; Aponte, C; Nitschke, R.
- 17** **Title of the work:** Monitoring live canopy moisture with imaging radars
Name of the conference: 5th International Fire Behaviour and Fuels Conference
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Melbourne, Australia
Date of event: 11/04/2016
End date: 15/04/2016
Organising entity: The International Association of Wildland Fire
Tanase, MA; Panciera, R; Lowell, K; Aponte, C.
- 18** **Title of the work:** Radar Burn Ratio: A novel index for automatic fire impact assessment
Name of the conference: 5th International Fire Behaviour and Fuels Conference
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Melbourne, Australia
Date of event: 11/04/2016
End date: 15/04/2016
Organising entity: The International Association of Wildland Fire
Tanase, MA; Kennedy, R; Aponte, C.
- 19** **Title of the work:** Shrubs up in flames: how often vs how hot?
Name of the conference: Ecological Society of Australia 2015 Annual Conference
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Adelaide, Australia
Date of event: 29/11/2015
End date: 03/12/2015
Organising entity: Ecological Society of Australia
Kohout, M; Bruce, M; MacHunter, J; Bennett, LT; Aponte, C.
- 20** **Title of the work:** The birds and the bees... and the mammals: Reproductive ecology of *Astelia australiana*
Name of the conference: Ecological Society of Australia 2015 Annual Conference
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Adelaide, Australia



Date of event: 29/11/2015

End date: 03/12/2015

Organising entity: Ecological Society of Australia

Parker, L (*); Birch, J; Kasel, S; Aponte, C; Turner, V; Nitschke, CR.

- 21** **Title of the work:** Light limitation- a causal factor in the decline of a threatened rainforest herb
Name of the conference: 8th ANZIF Conference - Australian and New Zealand Institutes of Forestry
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Creswick, Australia
Date of event: 13/04/2015
End date: 15/04/2015
Organising entity: Institute of Foresters of Australia
Parker, L (*); Kasel, S; Aponte, C; Turner, V; Regan, T; Nitschke, CR.
- 22** **Title of the work:** Just how tolerant are mixed-eucalypt forests to fire? Tree mortality as influenced by combinations of planned burning and bushfire
Name of the conference: 8th ANZIF Conference - Australian and New Zealand Institutes of Forestry
City of event: Creswick, Australia
Date of event: 13/04/2015
End date: 15/04/2015
Organising entity: Institute of Foresters of Australia
Lauren Bennett; Matthew Bruce; Josephine MacHunter; Michele Kohoutb; Cristina Aponte.
- 23** **Title of the work:** Long-term effects of repeated prescribed fires on carbon stocks in a temperate eucalypt forest
Name of the conference: IUFRO World Congress 2014
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Utah, United States of America
Date of event: 05/10/2014
Organising entity: International Union of Forest Research Organizations (IUFRO)
Aponte, C; Tolhurst, KG; Low, M; Baker, TG; Bennett, LT.
- 24** **Title of the work:** Aspects of the ecology of *Astelia australiana*, tall astelia.
Name of the conference: Ecological Society of Australia 2014 Annual Conference
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Alice Springs, Australia
Date of event: 28/09/2014
End date: 03/10/2014
Organising entity: Ecological Society of Australia
Parker, L.; Kasel, S.; Aponte, C.; Duff, T.; Regan, T.; Turner, V.; Nitschke, C.
- 25** **Title of the work:** Decomposers and decomposition patterns in simplified urban ecosystems
Name of the conference: Ecological Society of Australia 2014 Annual Conference
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Alice Springs, Australia
Date of event: 28/09/2014



End date: 03/10/2014

Organising entity: Ecological Society of Australia

Ossola, A; Hahs, AC; Christie, FJ; Aponte, C; Hash, MA; Livesley, S. J.

- 26** **Title of the work:** Is fire an important factor in the distribution and observed decline of *Astelia australiana* in the cool temperate rainforests of Southeast Australia?
Name of the conference: 9th International Conference on Dendrochronology
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Melbourne, Australia
Date of event: 13/01/2014
End date: 17/01/2014
Organising entity: The University of Melbourne
Parker, L.; Nitschke, C.; Kasel, S.; Aponte, C.; Willersdorf, T.
- 27** **Title of the work:** What does 20 years of monitoring reveal about the distribution and abundance of *Astelia australiana*?
Name of the conference: 5th joint conference of New Zealand Ecological Society and Ecological Society of Australia ECOTAS13
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
City of event: Auckland, New Zealand
Date of event: 24/11/2013
End date: 29/11/2013
Organising entity: Ecological Society of Australia
Parker, L.; Kasel, S.; Turner, V.; Aponte, C.; Nitschke, C.
- 28** **Title of the work:** Long-term effects of repeated prescribed fires on coarse woody debris in an Australian temperate forest
Name of the conference: 5th joint conference of New Zealand Ecological Society and Ecological Society of Australia ECOTAS13
Geographical area: Non EU International
Type of participation: Participatory - oral communication
City of event: Auckland, New Zealand
Date of event: 24/11/2013
End date: 29/11/2013
Organising entity: Ecological Society of Australia
Aponte, C.; Tolhurst, K.; Bennett, L.T.
- 29** **Title of the work:** Alteraciones biogeoquímicas mediadas por aves en el alcornoque de la Reserva Biológica de Doñana: efectos en las comunidades microbianas del suelo (Bird induced biogeochemical alterations in the cork oak forest of Doñana Biological Reserve: effects on the soil microbial communities)
Name of the conference: XI Congreso Nacional de la Asociación Española de Ecología Terrestre / XI National Congress of the Spanish Association of Terrestrial Ecology
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Pamplona-Iruña, La Rioja, Spain
Date of event: 06/05/2013
End date: 10/05/2013
Organising entity: Asociación Española de Ecología Terrestre (AEET) /Spanish Association of Terrestrial Ecology



Domínguez, M. T.; Gutiérrez González, E.; Ávila Castuera, J. M.; Gutiérrez Hernández, O.; González Domínguez, B. R.; Ramo, C.; Aponte, C.; García, L.V.

- 30** **Title of the work:** Amenazas bióticas sobre el alcornocal centenario de Doñana: ¿demasiadas para sobrevivir? (Biotic threats over the centenary cork oak forest in Doñana NP: too many to survive?)
Name of the conference: XI Congreso Nacional de la Asociación Española de Ecología Terrestre / XI National Congress of the Spanish Association of Terrestrial Ecology
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Pamplona-Iruña, La Rioja, Spain
Date of event: 06/05/2013
End date: 10/05/2013
Organising entity: Asociación Española de Ecología Terrestre (AEET) /Spanish Association of Terrestrial Ecology
García, L. V.; Melchiorre, G.; Angulo, E.; Gutiérrez Hernández, O.; Moreno López, A.; Díaz Delgado, R.; Ramo, C.; Aponte, C.; Domínguez, M. T.; Gómez Aparicio, L.
- 31** **Title of the work:** Quick dissemination of Phytophthora cinnamomi threatens biodiversity in a World Heritage Site (Doñana Biological Reserve, SW Spain)
Name of the conference: 6th IUFRO Working Party: Phytophthora in Forests and Natural Ecosystems
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Córdoba, Andalusia, Spain
Date of event: 09/09/2012
End date: 14/09/2012
Organising entity: International Union of Forest Research Organizations (IUFRO)
De Vita, P.; García, L.V.; Ramo, C.; Serrano, M.S.; Aponte, C.; Sánchez, M.E.
- 32** **Title of the work:** Tree species effects on soil fertility: mechanisms and implications for soil communities
Name of the conference: 3rd EUROSIL International Congress
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
City of event: Bari, Italy
Date of event: 02/07/2012
End date: 06/07/2012
Organising entity: European confederation of soil science societies (ECSSS)
Aponte, C.; Gutiérrez, E.; Gardes, M.; García, L.V.; Marañón, T.
- 33** **Title of the work:** Interacciones árbol-suelo y funcionamiento del bosque mediterráneo: síntesis del proyecto INTERBOS (Tree-soil interactions and ecosystem functioning in Mediterranean forest)
Name of the conference: III Reunión del grupo de trabajo de ecología, ecofisiología y suelos forestales (III Working Group Meeting of the Ecology, Ecophysiology and Forest Soils Group)
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Huelva, Andalusia, Spain
Date of event: 09/11/2011
End date: 11/11/2011
Organising entity: Sociedad Española de Ciencias Forestales SECF (Spanish Society of Forest Sciences)
Type of contribution: Scientific paper
Marañón, T.; Aponte, C.; Pérez-Ramos, I.M.; Ibañez, B; Domínguez, M.T.; Garcia, L.V.; Gómez-Aparicio, L.
"Interacciones árbol-suelo y funcionamiento del bosque mediterráneo: síntesis del proyecto INTERBOS".



En: Cuadernos de la Sociedad Española de Ciencias Forestales. 35, pp. 81 - 89. Sociedad Española de Ciencias Forestales SECF (Spanish Society of Forest Sciences), 2012. ISBN 978-84-936854-0-9

- 34** **Title of the work:** Patrones de descomposición y liberación de nutrientes a partir de la hojarasca en un bosque mixto de alcornoque y quejigo (Litter decomposition and nutrient release dynamics in a mixed oak forest)
Name of the conference: III Reunión del grupo de trabajo de ecología, ecofisiología y suelos forestales / III Working Group Meeting of the Ecology, Ecophysiology and Forest Soils Group
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Huelva, Andalusia, Spain
Date of event: 09/11/2011
End date: 11/11/2011
Organising entity: Sociedad Española de Ciencias Forestales (SECF) / Spanish Society of Forest Sciences
Publication in conference proceedings: Yes
C. Aponte; L. V. García; E. Gutiérrez; T. Marañón. "Patrones de descomposición y liberación de nutrientes a partir de la hojarasca en un bosque mixto de alcornoque y quejigo (Litter decomposition and nutrient release dynamics in a mixed oak forest)". pp. 38 - 38. 09/11/2011.
Legal deposit: H 213-2011
- 35** **Title of the work:** Influencia de las deyecciones aviarias en la distribución de oomicetos en el suelo de alcornocal en el Parque Nacional de Doñana (The influence of bird droppings on the distribution of soil pathogenic oomycetes in the Cork oak forest at Doñana National Park)
Name of the conference: II Reunión sobre Sanidad Forestal (II Scientific meeting of Forest Health)
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Palencia, Castile and León, Spain
Date of event: 21/09/2011
End date: 22/09/2011
Organising entity: Sociedad Española de Ciencias Forestales SECF (Spanish Society of Forest Sciences)
Type of contribution: Scientific paper
De Vita, P.; Socorro, M.; Moral, S.; García, L.V.; Ramo, C.; Aponte, C.; Gómez-Aparicio, L.; Sánchez, E."Influencia de las deyecciones aviarias en la distribución de oomicetos en el suelo de alcornocal en el Parque Nacional de Doñana (The influence of bird droppings on the distribution of soil pathogenic oomycetes in the Cork oak forest at Doñana National Park)". En: Cuadernos de la Sociedad de Ciencias Forestales. 36, pp. 113 - 117. Sociedad Española de Ciencias Forestales SECF (Spanish Society of Forest Sciences), 2012. ISBN 978-84-936854-0-9
- 36** **Title of the work:** Impacts of non-native trees on multiple ecosystem services: A worldwide review
Name of the conference: International Conference on Ecology and Management of Alien Plant Invasions: Syntheses, challenges and new opportunities
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Lisbon, Portugal
Date of event: 09/09/2011
End date: 11/09/2011
Organising entity: EMAPI - Ecology and Management of Alien Plant Invasions
Castro-Díez, P; Godoy, O; Vaz, AS; Alonso, A; Aponte, C; et al.



- 37** **Title of the work:** Patrones de diversidad de hongos ectomicorrícicos en un bosque mixto: papel del árbol huésped y del medio edáfico (Diversity patterns of ectomycorrhizal fungi in a mixed forest: the role of host tree identity and soil conditions)
Name of the conference: III Congreso Nacional de Diversidad / III Spanish National Congress on Biodiversity
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Granada, Andalusia, Spain
Date of event: 08/06/2011
End date: 10/09/2011
Organising entity: University of Granada
Aponte, C.; Marañón, T.; García, L. V.; Gardes, M.
- 38** **Title of the work:** Influence of bird-induced soil fertility gradients on oomycete distribution in a threatened *Quercus suber* population
Name of the conference: 6th IOBC/WPRS Working Group Meeting on "Multitrophic Interactions in Soil"
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - poster
City of event: Córdoba, Andalusia, Spain
Date of event: 04/04/2011
End date: 07/04/2011
Organising entity: International Organisation for Biological Control
Type of contribution: Scientific paper
Serrano, M.S.; Vita, P.D.; García, L.V.; Ramo, C.; Aponte, C.; Gómez-Aparicio, L.; Sánchez, M.E. "Influence of bird-induced soil fertility gradients on oomycete distribution in a threatened *Quercus suber* population". En: IOBC/wprs Bulletin. 71, pp. 135 - 139. International Organisation for Biological Control (IOBC/WPRS),
- 39** **Title of the work:** Variabilidad de los rasgos foliares y concentraciones isotópicas en especies de leñosas mediterráneas (Variability in the foliar traits and stable isotope concentration in Mediterranean plant species)
Name of the conference: II Reunión de la Red Española de Isótopos Estables / II Working Group Meeting of the Spanish Stable Isotopes Network
Type of event: Workshop **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Toledo, Castile-La Mancha, Spain
Date of event: 10/11/2010
End date: 11/06/2010
Organising entity: Fire Research Centre-University of Castilla la Mancha
Dominguez, M.T.; Aponte, C.; García, L.V.; Marañón, T.
- 40** **Title of the work:** Interacciones ecológicas árbol-suelo en un bosque mixto mediterráneo (Tree-soil ecological interactions in a mixed oak forest)
Name of the conference: IV Congreso Ibérico de Ciencias del Suelo / IV Iberian Conference of Soil Science
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Granada, Andalusia, Spain
Date of event: 21/09/2010
End date: 24/09/2010
Organising entity: Sociedad Española de Ciencias del Suelo /Spanish Society of Soil Sciences
Aponte, C.; Marañón, T.; García, L.V.



- 41 Title of the work:** El decaimiento del alcornocal en el Parque Nacional de Doñana: papel de los cambios bióticos y abióticos en el suelo (Cork oak decay in Doñana National Park: influences of soil biotic and abiotic conditions)
Name of the conference: IV Congreso Ibérico de Ciencias del Suelo / IV Iberian Conference of Soil Science
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Granada, Andalusia, Spain
Date of event: 21/09/2010
End date: 24/09/2010
Organising entity: Sociedad Española de Ciencias del Suelo / Spanish Society of Soil Sciences
García, L.V.; Aponte, C.; Ramo, C.; De Vita, P.; Gómez-Aparicio, L.; Madejón, P.; Dominguez, M.T.; Gutiérrez, E.; Moreno, A.; Cara, J.S.; Sánchez, M.E.
- 42 Title of the work:** Cork oak diseases at Doñana National Park (SW Spain)
Name of the conference: The Oak - Ecology, History, Management and Planning
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Isparta, Turkey
Date of event: 01/06/2010
End date: 03/06/2010
Organising entity: Suleyman Demirel University, Isparta
de Vita, P.; Callier, P.; Serrano, M.S.; Ramo, C.; García, L.V.; Aponte, C.; Trapero, A.; Sánchez, M.E.
- 43 Title of the work:** Decline of relict centennial cork oaks in Doñana (SW Spain) and potential deleterious effect of tree-nesting colonial waterbirds
Name of the conference: The Oak - Ecology, History, Management and Planning
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Isparta, Turkey
Date of event: 01/06/2010
End date: 03/06/2010
Organising entity: Suleyman Demirel University, Isparta
Ramo, C.; Marañón, T.; Aponte, C.; Dominguez, M.T.; de Vita, P.; Moreno, A.; Gomez-Aparicio, L.; Burgos, P.; Callier, P.; Sánchez, M.E.; García, L.V.
- 44 Title of the work:** Variabilidad de la biomasa y composición química de la comunidad microbiana del suelo en un bosque mixto de quercíneas (Variability of the soil microbial biomass and chemical composition in a mixed oak forest)
Name of the conference: IX Congreso de la Asociación Española de Ecología Terrestre / IX Congress of the Spanish Association of Terrestrial Ecology
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Úbeda, Andalusia, Spain
Date of event: 18/10/2009
End date: 22/10/2009
Organising entity: Asociación Española de Ecología Terrestre (AEET) / Spanish Association of Terrestrial Ecology
Aponte, C.; Marañón, T.; Garcia, L.V.



- 45** **Title of the work:** Espectro de variación foliar en bosques mediterráneos del sur de la Península Ibérica (The foliar trait spectra in southern Spain Mediterranean forest)
Name of the conference: V Congreso Forestal Español: Montes y sociedad: Saber qué hacer (V Spanish Congress on Forest Science)
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Ávila, Castile and León, Spain
Date of event: 21/09/2009
End date: 25/09/2009
Organising entity: Sociedad Española de Ciencias Forestales SECF (Spanish Society of Forest Sciences)
Type of contribution: Scientific paper
Quero, J.L.; Poorter, L.; Poorter, L.; Marañón, T.; Matías, L.; Aponte, C; García, L.V.; Casado, R.; Herrero, A.; Suárez, E.; Navarro-Cerrillo, R.M.; Zamora, R."Espectro de variación foliar en bosques mediterráneos del sur de la Península Ibérica". En: Libro de resúmenes del V Congreso de Ciencias Forestales (Proceedings of the V Spanish Congress on Forest Science). 5CFE01-056, pp. 2 - 11. Sociedad Española de Ciencias Forestales SECF (Spanish Society of Forest Sciences), 2009. ISBN 978-84-9363854-6-1
- 46** **Title of the work:** La comunidad de hongos micorrícicos en un bosque de quercíneas Mediterráneo (Ectomycorrhizal fungal community in a Mediterranean oak forest)
Name of the conference: V Congreso Forestal Español: Montes y sociedad: Saber qué hacer (V Spanish Congress on Forest Science)
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Ávila, Castile and León, Spain
Date of event: 21/09/2009
End date: 25/09/2009
Organising entity: Sociedad Española de Ciencias Forestales SECF (Spanish Society of Forest Sciences)
Type of contribution: Scientific paper
Aponte, C.; Marañón, T.; García, L.V.; Gardes, M."La comunidad de hongos micorrícicos en un bosque de quercíneas Mediterráneo". En: Libro de resúmenes del V Congreso de Ciencias Forestales (Proceedings of the V Spanish Congress on Forest Science). 5CFE01-055, pp. 2 - 12. Sociedad Española de Ciencias Forestales SECF (Spanish Society of Forest Sciences), 2009. ISBN 978-84-9363854-6-1
- 47** **Title of the work:** Microbial C, N and P in a Mediterranean oak forest soil: influence of abiotic conditions and canopy composition
Name of the conference: 6th International Symposium on Ecosystem Behaviour BIOGEOMON
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
City of event: Helsinki, Finland
Date of event: 29/06/2009
End date: 03/07/2009
Organising entity: Finish Forest Research Institute (METLA)
Aponte, C.; Garcia, L.V.; Marañón, T.
- 48** **Title of the work:** Trace elements in leaves of trees and shrubs in south Spain: ecosystem perspectives
Name of the conference: 6th International Symposium on Ecosystem Behaviour BIOGEOMON
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Helsinki, Finland
Date of event: 29/06/2009
End date: 03/07/2009
Organising entity: Finish Forest Research Institute (METLA)



Marañón, T.; Domínguez, M.T.; Aponte, C.; Murillo, J.M.; García, L.V.; Villar, R.

- 49 Title of the work:** Diversity of ectomycorrhizal fungal community associated to two coexisting Quercus species in a Mediterranean forest
Name of the conference: 11th European Ecological Conference of the European Ecological Federation: Biodiversity in an Ecosystem Context
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
City of event: Leipzig, Germany
Date of event: 14/09/2008
End date: 19/09/2008
Organising entity: European Ecological Federation (EURECO-GFOE)
Aponte, C.; Marañón, T.; García, L. V.; Gardes, M.
- 50 Title of the work:** Heterogeneidad ambiental en el sotobosque de Quercus suber y Q. canariensis (Understorey environmental heterogeneity in a mixed oak forest)
Name of the conference: II Reunión del Grupo de Trabajo de Ecología, Ecofisiología y Suelos Forestales / II Working Group Meeting of the Ecology, Ecophysiology and Forest Soils Group
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Salamanca, Castile and León, Spain
Date of event: 22/10/2007
End date: 23/10/2007
Organising entity: Sociedad Española de Ciencias Forestales (SECF) / Spanish Society of Forest Science
Marañón, T.; Pérez-Ramos, I.M.; Navarro, C.; Aponte, C.; García, L.V.
- 51 Title of the work:** Relación entre la composición de las hojas, desfronde, hojarasca y suelo en un bosque mixto de Quercus suber L. y Quercus canariensis Willd (Relationships among leaf, leaf fall, litter and soil chemical composition of two coexisting oak species: Quercus suber L.and Quercus canariensis Will))
Name of the conference: II Reunión del grupo de trabajo de ecología, ecofisiología y suelos forestales / II Working Group Meeting of the Ecology, Ecophysiology and Forest Soils Group
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Salamanca, Castile and León, Spain
Date of event: 22/10/2007
End date: 23/10/2007
Organising entity: Sociedad Española de Ciencias Forestales (SECF) / Spanish Society of Forest Sciences **Type of entity:** Associations and Groups
García, L.V.; Aponte, C; Pozuelo, A.; Gutiérrez, E.; Florido, M.C.; Marañón,T; Pérez-Ramos, I.M."Relación entre la composición de las hojas, desfronde, hojarasca y suelo en un bosque mixto de Quercus suber L. y Quercus canariensis Willd (Relationships among leaf, leaf fall, litter and soil chemical composition of two coexisting oak species: Quercus suber L.and Quercus canariensis Will)". En: Cuadernos de la Sociedad de Ciencias Forestales. 25, pp. 201 - 207. Sociedad Española de Ciencias Forestales (SECF) / Spanish Society of Forest Sciences, 2008. ISBN 978-84-936854-0-9
- 52 Title of the work:** Variabilidad espacial a diferentes escalas en el desfronde de dos especies de Quercus y su relación con la heterogeneidad del suelo subyacente (Variability in the leaf fall and soil chemical composition of two coexisting oak species across spatial scales)
Name of the conference: II Reunión del grupo de trabajo de ecología, ecofisiología y suelos forestales / II Working Group Meeting of the Ecology, Ecophysiology and Forest Soils Group
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster



City of event: Salamanca, Castile and León, Spain

Date of event: 22/10/2007

End date: 23/10/2007

Organising entity: Sociedad Española de Ciencias Forestales (SECF) / Spanish Society of Forest Sciences **Type of entity:** Associations and Groups

Aponte, C.; García, L.V.; Navarro, M.; Gutiérrez, E.; Pérez-Ramos, I.M.; del Pozo, M.; Marañón, T. "Variabilidad espacial a diferentes escalas en el desfronde de dos especies de Quercus y su relación con la heterogeneidad del suelo subyacente (Variability in the leaf fall and soil chemical composition of two coexisting oak species across spatial scales)". En: Cuadernos de la Sociedad de Ciencias Forestales. 25, pp. 73 - 78. Sociedad Española de Ciencias Forestales (SECF) / Spanish Society of Forest Sciences, 2008. ISBN 978-84-936854-0-9

- 53** **Title of the work:** Characteristics of Mediterranean Temporary Ponds in Western Crete, Greece
Name of the conference: Water and the Landscape: The Landscape Ecology of Freshwater Ecosystems
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Oxford Brookes, United Kingdom
Date of event: 05/08/2006
End date: 08/08/2006
Organising entity: International Association for Landscape Ecology (IALE-UK)
Kazakis, G.; Aponte, C.; Ghosn, D.; Vogiatzakis, I. N.; Papanastasis, V. P.

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

- 1** **Title of the work:** Let the fungi save the trees
Name of the event: Burnley Seminar Series
City of event: Australia
Date of event: 06/06/2019
Organising entity: The University of Melbourne
- 2** **Title of the work:** The more the merrier? Effects of diversity on forest ecosystem functions
Name of the event: Burnley Seminar Series
Type of event: Seminar
Corresponding author: Yes
City of event: Melbourne, Australia
Date of event: 21/06/2018
Organising entity: The University of Melbourne
Aponte, C.
- 3** **Title of the work:** Fire down under: the future of southeastern Australian Temperate forest under a changing climate
Name of the event: FORECO Seminar series
Type of event: Seminar
Corresponding author: Yes
Geographical area: National
City of event: Alcala de Heranes, Spain
Date of event: 13/10/2016
Organising entity: The University of Alcala de Henares
Aponte, C.



- 4** **Title of the work:** Fire and carbon costs in fire-tolerant forests – taking a long-term and landscape view
Name of the event: Creswick Online Webinar Series
Type of event: Seminar
City of event: Creswick, Australia
Date of event: 09/2014
Organising entity: The University of Melbourne
- 5** **Title of the work:** Collateral Damage: Effects of prescribed burning on carbon stocks
Name of the event: Burnley Seminar Series
Type of event: Seminar
City of event: Melbourne, Australia
Date of event: 04/2013
Organising entity: The University of Melbourne
- 6** **Title of the work:** Fires, black C, greenhouse gas emissions and the carbon balance of southern sclerophyll forests
Name of the event: Considering Carbon in the Future Fire Management Project
Type of event: Workshop
City of event: Melbourne, Australia
Date of event: 28/03/2012
Organising entity: Department of Environment and Primary Industries, Victoria
- 7** **Title of the work:** Tree species as ecosystem engineers: from litter quality to soil microbial diversity
Name of the event: Creswick Online Webinar Series
City of event: Creswick, Australia
Date of event: 03/2012
Organising entity: The University of Melbourne
- 8** **Title of the work:** Tree species effects on soil fertility: implications for soil communities
Name of the event: Burnley Seminar Series
Type of event: Seminar
City of event: Melbourne, Australia
Date of event: 06/2011
Organising entity: The University of Melbourne
- 9** **Title of the work:** Mycorrhizae: a mutualism between plant and fungi
Name of the event: Seminars of the Mycological association Muscaria
Type of event: Seminar
City of event: Seville, Andalusia, Spain
Date of event: 10/2010
Organising entity: Mycological association Muscaria
- 10** **Title of the work:** Plant-soil interactions in a Mediterranean oak forest: a neighborhood modeling approach
Name of the event: Seminars of the Landcare Research Institute
City of event: Lincoln, New Zealand
Date of event: 02/2009
Organising entity: Landcare Research Institute
- 11** **Title of the work:** Plant-soil interactions in a Mediterranean forest ecosystem
Name of the event: Seminars of the Laboratoire Evolution et Diversité Biologique
Type of event: Seminar



City of event: Toulouse, France

Date of event: 02/2008

Organising entity: University Paul Sabatier/CNRS

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

Committee title: Review and update of the Victorian Forest Monitoring Program (VFMP) Standard Operation Procedures

Geographical area: Regional

Affiliation entity: Department of Environment and Primary Industries, Victoria

City affiliation entity: Melbourne, Australia

Start date: 09/09/2014

Organization of R&D activities

- 1 Title of the activity:** Forest resources and ecosystems services: modelling and mapping
Type of activity: Session convener at the international Scientific Conference 'Forest Science for a Sustainable Forestry and Human Wellbeing in a Changing World' - INCDS „Marin Dracea”
Geographical area: Non EU International
Convening entity: National Institute for Research and Development in Forestry (INCDS) “Marin Dr?cea”
City convening entity: Bucharest, Romania
Start-End date: 18/09/2018 - 21/09/2018
Duration: 1 day
- 2 Title of the activity:** The University of Melbourne Burnley Campus Seminars Series
Type of activity: Organiser of the Campus weekly scientific seminar series
Geographical area: Regional
City of event: Melbourne, Australia
Convening entity: The University of Melbourne
Type of participation: Organiser
Start-End date: 01/01/2014 - 30/01/2015
- 3 Title of the activity:** Managing forest for fire in a changing climate
Type of activity: Session at the IUFRO World Congress 2014
Geographical area: Non EU International
City of event: Utah, United States of America
Convening entity: International Union of Forest Research Organizations (IUFRO)
Type of participation: Chairman
Start-End date: 05/10/2014 - 11/10/2014
- 4 Title of the activity:** Special Issue in the International Journal of Wildland Fires
Type of activity: Co-editor of an Special Issue with presentations from sessions in IUFRO World Congress 2014 "Managing forest for fire in a changing climate" & "Forests, fire and climate change dynamics"
Geographical area: Non EU International
City of event: Utah, United States of America
Convening entity: International Union of Forest Research Organizations (IUFRO)



Type of participation: Organiser
Start-End date: 05/10/2014 - 11/10/2014

5 Title of the activity: Fire Ecology

Type of activity: Session at the 5th joint conference of New Zealand Ecological Society and Ecological Society of Australia (ECOTAS13) **Geographical area:** Non EU International

City of event: Auckland, New Zealand

Convening entity: Ecological Society of Australia (ESA)

Type of participation: Chairman

Start-End date: 24/11/2013 - 29/11/2013

6 Title of the activity: Fire Ecology Research Chapter of the Ecological Society of Australia (ESA) meeting

Type of activity: Meeting at the 5th joint conference of New Zealand Ecological Society and Ecological Society of Australia (ECOTAS13) for those delegates with an interest in Fire Ecology to meet, discuss and have input into the activities and directions for this Research Chapter in 2014. **Geographical area:** National

City of event: Auckland, New Zealand

Convening entity: Ecological Society of Australia (ESA)

Type of participation: Organiser

Start-End date: 27/11/2013 - 27/11/2013

7 Title of the activity: Stable isotopes in ecological processes

Type of activity: Session at the 12th European Ecological Federation Congress **Geographical area:** European Union

City of event: Ávila, Castile and León, Spain

Convening entity: European Ecological Federation

Type of participation: Organiser

Start-End date: 25/09/2011 - 29/09/2011

Evaluation and revision of R&D projects and articles

1 Name of the activity: Downed, Dead and Decayed - Coarse woody debris creation and loss dynamics in response to fire and climate

Performed tasks: Evaluation of PhD thesis

Entity where activity was carried out: University of Wollongong

City of entity: Australia

Start date: 2020

2 Name of the activity: Scientific Advisory Board

Performed tasks: Evaluation of project proposals

Entity where activity was carried out: International Foundation for Science

City of entity: Stockholm, Sweden

Start date: 2019

3 Name of the activity: Growth Response of Deodar (Cedrus Deodara), Blue Pine (Pinus Wallichiana) & Chir Pine (P. Roxburghii) to Climate Change in Gallies Forest Division Abbottabad

Performed tasks: Evaluation of PhD thesis

Entity where activity was carried out: The University of Peshawar



Start date: 2018

4 Name of the activity: Belgian Remote Sensing Research Programme STEREO III (Support to the Exploitation and Research in Earth Observation)

Performed tasks: Evaluation of project proposals

Entity where activity was carried out: Belgian Remote Sensing Research Programme

Type of entity: Public Research Body

Start date: 2017

5 Name of the activity: Annals of Forest Science (IF:1.5); Applied Soil Ecology (IF:2.2); Austral Ecology (IF: 1.7); Biogeochemistry (IF:3.7); Chemosphere (IF:3.5); Ecosystems (IF:3.5); Forest Ecology and Management (IF:2.7); Geoderma (IF:2.5); Journal of Environmental Quality (IF:2.3); Land Degradation and Development (IF:2.1); Mycorrhiza (IF: 3.0); Plant and Soil (IF:3.2); Plant Ecology (IF:1.6); Plant Ecology and Diversity (IF:1.1); Revista Mexicana de Biodiversidad (IF:0.5); Scandinavian Journal of Forest Research (IF: 1.1); Science of the Total Environment (IF:3.2), Scientific reports (IF:5.2)

Performed tasks: Review of articles in scientific journals

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

Geographical area: Non EU International

Other achievements

Stays in public or private R&D centres

1 Entity: The University of Alcalá

Start-End date: 01/09/2016 - 30/10/2016

Duration: 2 months

Funding entity: Fellowship 'Giner de los Ríos' - University of Alcalá

Goals of the stay: Post-doctoral

Provable tasks: Establish collaboration networks and write research papers

2 Entity: The University of Melbourne

Type of entity: University

City of entity: Melbourne, Australia

Start-End date: 01/09/2012 - 30/08/2013

Funding entity: Spanish Ministry of Education, Culture and Sports (MECD)

Name of programme: Postdoctoral Mobility Research Grant

Goals of the stay: Post-doctoral

Provable tasks: Accomplish the project "Soil-climate interactions affecting vulnerability and resilience of Victorian forests to climate change"

3 Entity: The University of Melbourne

Type of entity: University

Faculty, institute or centre: School of Land and Environment

City of entity: Melbourne, Australia

Start-End date: 01/02/2011 - 31/12/2011

Goals of the stay: Postdoctoral Honorary Visiting Fellow

Provable tasks: Submitted four research grant proposals and two manuscripts for publication in peer reviewed journals

4 Entity: Landcare Research Institute

Type of entity: Public Research Body

City of entity: Lincoln, New Zealand

Start-End date: 11/01/2010 - 09/04/2010

Funding entity: Spanish Ministry of Education, Culture and Sports



Name of programme: FPI-MICINN

Goals of the stay: Doctorate

Provable tasks: Experimental approaches to study plant-soil feedbacks

- 5** **Entity:** Swiss Federal Institute for Forest, Snow and Landscape Research
City of entity: Birmensdorf, Switzerland
Start-End date: 12/01/2009 - 10/04/2009
Funding entity: Spanish Ministry of Education, Culture and Sports
Name of programme: FPI-MICINN
Goals of the stay: Doctorate
Provable tasks: The use of stable isotopes for the study of biogeochemical cycles

- 6** **Entity:** Université Paul Sabatier/CNRS **Type of entity:** University
Faculty, institute or centre: Laboratoire Evolution et Diversité Biologique
City of entity: Toulouse, France
Start-End date: 07/01/2008 - 11/04/2008 **Duration:** 84 days
Funding entity: Spanish Ministry of Education, Culture and Sports.
Name of programme: FPI-MICINN
Goals of the stay: Doctorate
Provable tasks: Implementation of molecular techniques for fungal species identification.

Obtained grants and scholarships

- 1** **Name of the grant:** International Collaboration Fellowship 'Giner de los Ríos'
Aims: Post-doctoral
Awarding entity: University of Alcalá **Type of entity:** University
Amount of the grant: 4.700 €
Conferral date: 01/09/2016
End date: 30/10/2016
Entity where activity was carried out: University of Alcalá
- 2** **Name of the grant:** Early Career Research Grant
Aims: Post-doctoral
Awarding entity: The University of Melbourne
Amount of the grant: 27.844 €
Conferral date: 01/01/2014
End date: 31/12/2014
- 3** **Name of the grant:** Postdoctoral Mobility Fellowships (Programa de Ayudas de Movilidad Postdoctoral)
Aims: Post-doctoral
Awarding entity: Spanish Ministry of Education, Culture and Sports (MECD)
Amount of the grant: 51.000 €
Conferral date: 01/09/2012
End date: 30/08/2013
- 4** **Name of the grant:** Australian Endeavour Postdoctoral Research Fellowship
Aims: Post-doctoral
Awarding entity: Dept. of Education, Employment and Workplace Relations, Australian Government
Amount of the grant: 17.800 €
Conferral date: 01/09/2010



End date: 28/02/2013

5 Name of the grant: PhD Scholarship (FPI)

Aims: Pre-doctoral

Awarding entity: Spanish Ministry of Education, Culture and Sports (MECD)

Amount of the grant: 50.000 €

Conferral date: 01/11/2006

End date: 30/10/2010

Entity where activity was carried out: Institute of Natural Resources and Agrobiology of Seville (IRNAS-CSIC)

6 Name of the grant: Scholarship to cover an internship in the Landcare Research Institute, Lincoln, New Zealand.

Aims: Pre-doctoral

Awarding entity: Spanish Ministry of Education, Culture and Sports (MECD)

Amount of the grant: 6.500 €

Conferral date: 11/01/2010

End date: 09/04/2010

7 Name of the grant: Registration scholarship to the congress 6th International Symposium on Ecosystem Behaviour BIOGEOMON 2009 in Helsinki, Finland

Aims: Registration scholarship

Awarding entity: Finnish Forest Research Institute (METLA)

Amount of the grant: 250 €

Conferral date: 29/06/2009

End date: 03/07/2009

8 Name of the grant: Scholarship to cover an internship in the Swiss Federal Institute for Forest, Snow and Landscape Research, Birmensdorf, Switzerland

Aims: Pre-doctoral

Awarding entity: Spanish Ministry of Education, Culture and Sports (MECD)

Amount of the grant: 6.500 €

Conferral date: 12/01/2009

End date: 10/04/2009

9 Name of the grant: Scholarship to cover an internship in the Laboratoire Evolution et Diversité Biologique

Aims: Pre-doctoral

Awarding entity: Spanish Ministry of Education, Culture and Sports (MECD)

Amount of the grant: 6.500 €

Conferral date: 07/01/2008

End date: 11/04/2008

10 Name of the grant: Scholarship to assist to the course METIER Graduate Training Course No. 3: Remote Sensing of the Land Surface

Aims: Pre-doctoral

Awarding entity: Marie Curie Actions/Partnership for European Environmental Research (PEER)

Conferral date: 23/04/2007

End date: 27/04/2007



- 11 Name of the grant:** Master Scholarship
Aims: Master
Awarding entity: Mediterranean Agronomic Institute of Chania, Greece / International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM)
Amount of the grant: 22.000 €
Conferral date: 01/09/2004
End date: 30/08/2006
- 12 Name of the grant:** Ramón y Cajal
Aims: Post-doctoral
Awarding entity: Spanish Ministry of Science, Innovation and Universities
Amount of the grant: 308.600 €
Conferral date: 28/11/2019
Entity where activity was carried out: Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria
Type of entity: Government
Duration: 5 years
- 13 Name of the grant:** Talento Fellowship
Aims: Post-doctoral
Awarding entity: Comunidad de Madrid
Amount of the grant: 299.443 €
Conferral date: 11/2019
Entity where activity was carried out: Institute of Agricultural Sciences (ICA-CSIC)
Type of entity: Government
Duration: 4 years
- 14 Name of the grant:** Yvonne Aitken Bursary
Aims: Funding for student project (Tran, NB)
Awarding entity: The University of Melbourne
Amount of the grant: 1.235 €
Conferral date: 2019
Duration: 1 year
- 15 Name of the grant:** Holsworth Wildlife Research Endowment Grant Application
Aims: Funding for student project (McGympsey. V)
Awarding entity: Ecological Society of Australia
Amount of the grant: 3.750 €
Conferral date: 2019
Entity where activity was carried out: The University of Melbourne
Duration: 1 year
- 16 Name of the grant:** Madeleine Selwyn Smith Memorial Scholarship
Aims: Funding for student project (McGympsey. V)
Awarding entity: The University of Melbourne
Amount of the grant: 1.874 €
Conferral date: 2019
Entity where activity was carried out: The University of Melbourne
Duration: 1 year
- 17 Name of the grant:** RS Fox Forestry Bursary scholarship
Aims: Funding for student project (Tran, NB)
Awarding entity: The University of Melbourne
Amount of the grant: 1.385 €
Conferral date: 2019
Duration: 1 year



- 18 Name of the grant:** Science Abroad Travel Scholarship
Aims: Funding for student project (Tran, NB)
Awarding entity: The University of Melbourne
Amount of the grant: 926 €
Conferral date: 2019 **Duration:** 1 year
- 19 Name of the grant:** Applied Forest Ecology Scholarship
Aims: Funding for student project (Bermudez, A)
Awarding entity: Ecological Society of Australia
Amount of the grant: 2.187 €
Conferral date: 2018 **Duration:** 1 year
Entity where activity was carried out: The University of Melbourne
- 20 Name of the grant:** Bill Borthwick Student Scholarships
Aims: Funding for student project (Bermudez, A)
Awarding entity: Victorian Environmental Assessment Council: VEAC
Amount of the grant: 1.250 €
Conferral date: 2018 **Duration:** 1 year
Entity where activity was carried out: The University of Melbourne
- 21 Name of the grant:** Dr Betty Elliot Horticulture Scholarship
Aims: Funding for student project (McGympsey, V)
Awarding entity: The University of Melbourne
Amount of the grant: 1.250 €
Conferral date: 2018 **Duration:** 1 year
Entity where activity was carried out: The University of Melbourne
- 22 Name of the grant:** Holsworth Wildlife Research Endowment Grant Application
Aims: Funding for student project (McGympsey, V)
Awarding entity: Ecological Society of Australia
Amount of the grant: 3.750 €
Conferral date: 2018 **Duration:** 1 year
Entity where activity was carried out: The University of Melbourne
- 23 Name of the grant:** Holsworth Wildlife Research Endowment Grant Application
Aims: Funding for student project (Withanage, R)
Awarding entity: Ecological Society of Australia
Amount of the grant: 3.750 €
Conferral date: 2018 **Duration:** 1 year
Entity where activity was carried out: The University of Melbourne
- 24 Name of the grant:** Madeleine Selwyn Smith Memorial Scholarship
Aims: Funding for student project (McGympsey, V)
Awarding entity: The University of Melbourne
Amount of the grant: 1.874 €
Conferral date: 2018 **Duration:** 1 year
Entity where activity was carried out: The University of Melbourne
- 25 Name of the grant:** SF Pond travelling scholarship
Aims: Funding for student project (Tran, NB)
Awarding entity: The University of Melbourne



Amount of the grant: 1.250 €

Conferral date: 2018

Duration: 1 year

26 Name of the grant: Dr Betty Elliot Horticulture Scholarship

Aims: Funding for student project (McGympsey. V)

Awarding entity: The University of Melbourne

Amount of the grant: 1.250 €

Conferral date: 2017

Duration: 1 year

Entity where activity was carried out: The University of Melbourne

27 Name of the grant: Holsworth Wildlife Research Endowment Grant Application

Aims: Funding for student project (McGympsey. V)

Awarding entity: Ecological Society of Australia

Amount of the grant: 3.750 €

Conferral date: 2017

Duration: 1 year

Entity where activity was carried out: The University of Melbourne

28 Name of the grant: Holsworth Wildlife Research Endowment Grant Application

Aims: Funding for student project (Withanage, R)

Awarding entity: Ecological Society of Australia

Amount of the grant: 3.750 €

Conferral date: 2017

Duration: 1 year

Entity where activity was carried out: The University of Melbourne

29 Name of the grant: Madeleine Selwyn Smith Memorial Scholarship

Aims: Funding for student project (McGympsey. V)

Awarding entity: The University of Melbourne

Amount of the grant: 1.874 €

Conferral date: 2017

Duration: 1 year

Entity where activity was carried out: The University of Melbourne

30 Name of the grant: Holsworth Wildlife Research Endowment Grant Application

Aims: Funding for student project (Parker, L)

Awarding entity: Ecological Society of Australia

Amount of the grant: 3.750 €

Conferral date: 2016

Duration: 1 year

Entity where activity was carried out: The University of Melbourne

31 Name of the grant: Holsworth Wildlife Research Endowment Grant Application

Aims: Funding for student project (Parker, L)

Awarding entity: Ecological Society of Australia

Amount of the grant: 3.750 €

Conferral date: 2015

Duration: 1 year

Entity where activity was carried out: The University of Melbourne

32 Name of the grant: Holsworth Wildlife Research Endowment Grant Application

Aims: Funding for student project (Parker, L)

Awarding entity: Ecological Society of Australia

Amount of the grant: 3.750 €

Conferral date: 2014

Duration: 1 year

Entity where activity was carried out: The University of Melbourne



Scientific societies and professional associations

- 1 Name of the society:** Ecological Society of Australia (ESA)
Start date: 2013
- 2 Name of the society:** Sociedad Española de Ciencias Forestales (SECF) / Spanish Society of Forest Sciences
Start date: 2007
- 3 Name of the society:** Sociedad Española de Ecología Terrestre (AEET) / Spanish Association of Terrestrial Ecology
Start date: 2007

Prizes, mentions and distinctions

Description: Extraordinary Doctorate Award in Science / Premio Extraordinario de Doctorado
Awarding entity: University of Seville **Type of entity:** University
City awarding entity: Seville, Andalusia, Spain
Conferral date: 28/01/2013

Summary of other achievements

- 1 Description of the achievement:** Birth of Child #3
Conferral date: 01/03/2017
- 2 Description of the achievement:** Promotion from level A (Postdoctoral fellow) to level B (Research Fellow/Lecturer) Academic
Accrediting entity: The University of Melbourne
Conferral date: 08/2015
- 3 Description of the achievement:** Birth of Child #2
Conferral date: 05/03/2015
- 4 Description of the achievement:** Birth of Child #1
Conferral date: 14/06/2013