

Part A. PERSONAL INFORMATION		CV date		09/10/2019	
First and Family name	Oscar Santamaría Becerril				
Social Security, Passport, ID number	44907461F	Age	43		
Researcher numbers	Researcher ID	L-8979-2014			
	Orcid code	0000-0001-5087-6519			

A.1. Current position

Name of University/Institution	University of Extremadura				
Department	Ingeniería del medio Agronómico y Forestal/Escuela de Ingenierías Agrarias				
Address and Country	Avda. Adolfo Suárez s/n C.P. 06007, Badajoz, SPAIN				
Phone number	924289300	E-mail	osantama@unex.es		
Current position	Associate Professor		From	22/04/2010	
Espec. cód. UNESCO	310606				
Key words	Forest Pathology, Fungal Endophytes, Biological Control, Secondary Metabolites, Molecular Analyses, Mycoses, Agroforestry systems, Field and Forage Crops, Grain and Forage Yield and Quality parameters				

A.2. Education

PhD	University	Year
Ingeniero Técnico Forestal	University of Valladolid	1999
Ingeniero de Montes	University of Valladolid	2001
Doctor	University of Valladolid	2006

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

Sexenios: 2 (last granted in June 2014). Doctoral Thesis supervised: 2 (one already presented and the other one outstanding). H-index: 10 (WOS), 14 (Google Scholar); Total cites: 342 (WOS), 537 (Google Scholar); Total JCR publications: 33 (From those 17 in the first quartile; and 16 as first or corresponding author). Cites per year in the last five years (excluding 2019): 37,4 (WOS), 78 (Google Scholar).

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

The most noteworthy aspects of my CV are the excellent academic standing achieved along my academic career, much higher than the average grades usually obtained in a Engineering degree, acknowledged by the Education Ministry through the National University Studies Awards where I was granted with a Special Mention. In the doctoral studies I got also the maximum grades, highlighting the high quality of the Doctoral Thesis, which achieved a grade of 10 (sobresaliente "cum laude"), 6 JCR publications and the Extraordinary Doctorate Award. It is also noteworthy to highlight the ever-increasing career path of my researching and teaching activity, starting even before of finishing my PhD studies, such as the continuous grants obtained prove it, especially the grant for the Training of Research Staff obtained for the Doctoral Thesis development and granted by the Regional Government of Castilla y León (Spain), which is highly competitive. The great job carried out during those grants leaded in a high number of publications, book chapters, congress communications, etc. Regarding the teaching activity, I started collaborating in the University of Valladolid during my Doctorate studies. Then I was hired in 2005 by the University of Extremadura Where I started as a lecturer, then Assistant Professor (2008), and in 2010 I obtained my current position as an Associate Professor. I have carried out two stays in well known prestigious Centres in Portugal (during one month) and in Wisconsin (United States of America) during 7 months, thanks to a grant of the Education Ministry of Spain (José Castillejo Program). During all of this time, the research activity has been quite intense and fruitful, such as it can be summarize in the following achievements:

- Involvement as Researcher in 18 research projects, 7 regionals, 8 national and 3 European projects. From those I was the Principal Investigator in 3 National Projects.
- The publication of 33 papers in JCR Journals, from which the majority are in the first and second quartile.
- Another 15 publications in the technical journals of agriculture and livestock more important of Spain, book chapters and book editions.
- Wide and intense participation in Meetings, Congresses and Seminars, with more than 72 contributions, including communications (many of them oral presentations) and participations in the scientific committees. Likewise I have participated in the organization of 4 Congresses.

Part C. RELEVANT MERITS

C.1. 10 more relevant Publications (including books)

1. Botella, L., **Santamaría, O.**, Diez, J.J. (2010). Fungi associated with the decline of *Pinus halepensis* in Spain. *Fungal Diversity* 40: 1-11.
2. **Santamaría, O.**; Smith, D. R.; Stanosz, G. R. (2011). Interaction between *Diplodia pinea* and *D. scrobiculata* in red and jack pine seedlings. *Phytopathology* 101: 334-339.
3. **Santamaría O.**, Smith D. R.; Stanosz G. R. (2012) Interaction between *Diplodia pinea* or *Diplodia scrobiculata* and fungal endophytes isolated from pine shoots. *Can. J. Forest Res.* 42: 1819–1826.
4. Rodrigo S., Cuello-Hormigo B., Gomes C., **Santamaría, O.**, Costa, R., Poblaciones, M.J. (2015). Influence of fungicide treatments on disease severity caused by *Septoria tritici*, grain yield and quality parameters of bread-making wheat under Mediterranean conditions. *European Journal of Plant Pathology* 141, 99-109.
5. Romeralo, C.; **Santamaría, O.**; Pando, V.; Diez, J.J. (2015). Fungal endophytes reduce necrosis length produced by *Gremmeniella abietina* in *Pinus halepensis* seedlings. *Biological Control* 80, 30-39.
6. Lledó, S., Rodrigo, S., Poblaciones, M.J., **Santamaría, O.** (2015). Biomass yield, mineral content and nutritive value of *Poa pratensis* as affected by non-clavicipitaceous fungal endophytes. *Mycological Progress* 14, 67.
7. Lledó, S., Rodrigo, S., Poblaciones, M.J., **Santamaría, O.** (2016). Biomass yield, nutritive value and accumulation of minerals in *Trifolium subterraneum* L. as affected by fungal endophytes. *Plant and Soil* 405, 197-210.
8. Lledó, S., **Santamaría, O.**, Rodrigo, S. and Poblaciones, M.J. (2016). Endophytic mycobiota associated with *Trifolium subterraneum* growing under semiarid conditions. *Annals of Applied Biology*, 168, 243-254.
9. **Santamaría, O.**, Lledó, S., Rodrigo, S., Poblaciones, M.J. (2017). Effect of fungal endophytes on biomass yield, nutritive value and accumulation of minerals in *Ornithopus compressus*. *Microbial Ecology* 74, 841-852.
10. Rodrigo, S., **Santamaría, O.**, Halecker, S., Lledó, S., Stadler, M. (2017). Antagonism between *Byssosclamyces spectabilis* (anamorph *Paecilomyces variotii*) and plant pathogens. Involvement of the bioactive compounds produced by the endophyte. *Annals of Applied Biology* 171, 464-476.

C.2. Seven more relevant Research projects and grants

1. Title of the project: Development of a supporting-decision system (SAD) for the cooperative management in sheep farms in extensive regime. [Desarrollo de un sistema de apoyo a la decisión (SAD) para la gestión cooperativa de explotaciones ganaderas de ovino en régimen extensivo]. PCJ1009
Funding organism: Regional Government of Extremadura
Participant organisms: University of Extremadura (4 partners), Government of Extremadura
Duration: From: 01/11/2011 To: 01/11/2015 Total Nº of months: 48

- Total budget: 429.917 € (Our group. Agronomy: 62.575€)
Principal Investigator: Pedro Luis Rodríguez Medina
Participation modality: Researcher
2. Title of the project: Se biofortification in bread-making wheat (*Triticum aestivum* L.) under semiarid Mediterranean conditions: application timing and doses [Biofortificación en Se de trigo harinero (*Triticum aestivum* L.) bajo condiciones semiáridas mediterráneas: momento y dosis de aplicación] (ACCVII-15).
Funding organism: University of Extremadura
Participant organisms: University of Extremadura
Duration: From: 01/11/2011 To: 01/11/2012 Total Nº of months: 12
Total budget: 6.000€
Principal Investigator: M^a José Poblaciones Suárez-Bárcena
Participation modality: Researcher
 3. Title of the project: Endophytic mycobiota in the main herbaceous species of the dehesa pasture. Influence on yield, nutritive value and phytopathological status of pasture. [Micoflora endofítica en las principales especies herbáceas del pasto de la dehesa. Influencia sobre la producción, calidad y estado fitopatológico del pasto]
Funding organism: Science and Innovation Ministry (CICYT), Government of Spain.
Participant organisms: University of Extremadura
Duration: From: 01/01/2012 To: 31/12/2014 Total Nº of months: 36
Total budget: 80.000€ (AGL2011-27454)
Principal Investigator: **Oscar Santamaría Becerril**
Participation modality: Principal Investigator
 4. Title of the project: AGroFORestry that Will Advance Rural Development (AGFORWARD)
Funding organism: The seventh framework programme (European Union)
Participant organisms: University of Extremadura, among others.
Duration: From: 01/01/2014 To: 31/12/2017 Total Nº of months: 48
Total budget: 301,552 €
Principal Investigator: Gerardo Moreno
Participation modality: Researcher
 5. Title of the project: Elemental and molecular analyses applied to the sustainable development of Agro-forestry systems [Análisis elemental y molecular aplicados al desarrollo sostenible del medio agro-forestal].
Funding organism: Science and Innovation Ministry (CICYT), Government of Spain.
Participant organisms: University of Extremadura.
Duration: From: 01/01/2014 To: 31/12/2015 Total Nº of months: 24
Total budget: 497.076,24 €
Principal Investigator: **Oscar Santamaría Becerril**
Participation modality: Principal Investigator
 6. Title of the project: Environmental monitoring, biotechnologic applications and biologic management in Agro-forestry systems [Monitorización Ambiental, Aplicaciones Biotecnológicas y Gestión Biológica en Sistemas Agroforestales].
Funding organism: Science and Innovation Ministry (CICYT), Government of Spain.
Participant organisms: University of Extremadura.
Duration: From: 01/01/2016 To: 31/12/2017 Total Nº of months: 24
Total budget: 366.579,12 €
Principal Investigator: **Oscar Santamaría Becerril**
Participation modality: Principal Investigator
 7. Title of the project: Combined biofortification of Se and Zn in bread-making wheat, hard wheat and peas in Agroforestry systems under semiarid Mediterranean conditions [Biofortificación combinada con selenio y zinc de trigo harinero, trigo semolero y guisante en sistemas agroforestales bajo condiciones de secano mediterráneas].
Funding organism: Regional Government of Extremadura.
Participant organisms: University of Extremadura.
Duration: From: 01/01/2017 To: 01/06/2020 Total Nº of months: 36
Total budget: 107.047,60 €
Principal Investigator: María José Poblaciones Suárez-Bárcena.
Participation modality: Researcher

C.3. Contracts

Title of the contract: Convenio de Colaboración Universidad de Extremadura y K+SKALI. GMBH

Funding organism or company: K+SKALI. GMBH

Duration, from: Octubre 2009 To: Octubre 2012

Principal Investigator: Leopoldo Olea Márquez de Prado

Participation modality: Researcher

Total budget: 21.780 €

Title of the contract: Determinación de parámetros de germinación de semilla de cacahuete (*Arachis hypogaea* L.)

Funding organism or company: MERCO-NIDERA LOGÍSTICA SL

Duration, from: 16/05/2013 To: 16/05/2015

Principal Investigator: OSCAR SANTAMARÍA BECERRIL

Participation modality: Principal Investigator

Total budget: 7.300 €

C.4. Patents

Title: Procedure of obtention of Se biofortified grains under semiarid Mediterranean climate and food derived products. [Procedimiento de obtención de granos biofortificados con selenio en climas mediterráneos semiáridos y productos alimenticios derivados].

Authors: Poblaciones, M.J., Rodrigo, S., Santamaría, O.

Invention Field: Agriculture with human food purpose.

Publication date: 13/03/2018

Reference: ES 2 615 384 B1

C.5. Post doctoral Stays in abroad Centres

Centre: Escola Superior Agrária

Locality: Beja Country Portugal Date: Junio/julio 2007 Duration (weeks): 4

Topic: Plant Production Research

Centre: Department of Plant Pathology (University of Wisconsin-Madison)

Locality: Madison (Wisconsin) Country: United States of America Date: Noviembre 2007 Duration (weeks): 31

Topic: Interactions of microorganisms with *Diplodia* pathogens of pine and the potential for biological control

C.6. Doctoral Thesis supervised

Title: Fungal endophytes in pasture species. Influence on the forage yield, nutritive value and and phytopathological status of pasture. [Hongos endófitos en especies de pasto. Influencia sobre la producción, calidad y estado fitopatológico del pasto]. PhD Student: Santiago Lledó. Escuela de Ingenierías Agrarias (University of Extremadura). September 2016. Grade: sobresaliente *cum laude*.

Title: Improvement of pastures by means of tillage, fertilization and sowing of very productive species under the semiarid Mediterranean conditions of Alentejo (Portugal) and Extremadura (Spain). [Mejora de pastos mediante laboreo, fertilización e implantación de praderas en condiciones semiáridas mediterráneas del Alentejo (Portugal) y Extremadura (España)]. PhD Student: José Domingos Vélez Negreiros. Escuela de Ingenierías Agrarias (Universidad de Extremadura). Date: outstanding. It is expected in december 2018.

C.7. Other distinctions

- Extraordinary Doctorate Award by the University of Valladolid
- "Special Mention" in the National University Studies Awards in 2000-2001.
- Scientific committee member in many Congresses.
- Editor in SpringerPlus Journal and Referee in Forest Ecology & Management, Phytopathology, Annals of forest Science, and Forest Systems, among others.