

Part A. PERSONAL INFORMATION		CV date	29/01/2020
First and Family name	Alejano, Reyes		
Social Security, Passport, ID number		Age	
Researcher numbers	Researcher ID	A-9454-2017	
	Author ID		
	ORCID code	0000-0002-5512-7792	

A.1. Current position

Name of University/Institution	University of Huelva		
Department	Agroforestry Sciences		
Address and Country	C/Dr Cantero Cuadrado 6, Huelva, Spain		
Phone number		E-mail	ralej@uhu.es
Current position	Full Professor	From	2001
UNESCO code	3106.08 Silviculture, 3106.01 Conservation		
Key words	Silviculture, reproductive strategies of mediterranean species, Pinus nigra, Old growth forests, dendrochronology		

A.2. Education

Degree/PhD	University	Year
PHD Forestry Engineering	Polytechnic University of Madrid	1997
Master Environmental Expert	University of Granada- Water Institute- Educational Sciences Institute	1993
Master Forestry Engineering	Polytechnic University Madrid	1990

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

- *Sexenios Research: 2(2018)* .
- PhD tutor in the last 10 years: 5

TITLE: Aproximación dendroecológica a la dinámica del crecimiento de especies forestales mediterráneas en el suroeste de España: impactos, vulnerabilidad y respuesta adaptativa al cambio climático

PHD STUDENT: Fabio Natalini

UNIVERSITY: Huelva **FACULTY/SCHOOL:** Escuela Técnica Superior de Ingeniería
YEAR: 2016

TITLE: Influencia de factores ecológicos y selvícolas en el crecimiento diametral de la encina (*Quercus ilex* ssp. *ballota* (Desf.) Samp.) en el suroeste de España

PHD STUDENT: Daniel Martín Pérez

UNIVERSITY: Huelva **FACULTY/SCHOOL:** Escuela Técnica Superior de Ingeniería
YEAR: 2015

TITLE: Forest history, timber supply and tree rings. A dendroarchaeological approach to the study of Iberian cultural heritage

PHD STUDENT: Marta Domínguez-Delmás

UNIVERSITY: Huelva **FACULTY/SCHOOL:** Humanidades
YEAR: 2015

TITLE: Evaluación de Sistemas Agroforestales en el Norte Uruguayo

PHD STUDENT: Ignacio Pablo Traversa Tejero

UNIVERSITY: Huelva **FACULTY/SCHOOL:** Escuela Técnica Superior de Ingeniería
YEAR: 2010



TITLE: Evaluación de la producción de bellota de *Quercus ilex* ssp. *ballota* (Desf.) Samp. Y de factores ecofisiológicos influyentes en dehesas de la provincia de Huelva
PHD STUDENT: Felipe Soldán Carevic Vergara
UNIVERSITY: Huelva **FACULTY/SCHOOL:** Escuela Técnica Superior de Ingeniería
YEAR: 2010

- Citations: 346
- Average citations/year in the last 5 years: 77
- JCR Q1: 14
- h index: 11

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

I'm a Forestry Engineer (PhD in 1997), and a lecturer and researcher at the University of Huelva since 1996 (2 sexenios). I've been teaching in the bachelors Forestry Engineering, and Forestry and Environmental Engineering, and in the Master Forestry Engineering, plus in several Doctorate programs (national and international). My specialization is Silviculture and Sustainable Forest Management, and I've been developing two main research topics. The first one is about Mediterranean Agroforestry Systems, where I've been leading and taking part in several research projects funded by national and regional institutions. I've been the editor of the book "Gestión Sostenible de Dehesas Andaluzas", funded by the Foro Encinal, that will be published in its 2nd edition very soon. In 2009 I was invited by the president of the Environment, Agriculture and Fishing Commission from the Senate to explain the current situation of Dehesas. My second research topic, that started with my PhD is about Ecology and Management of *Pinus* Old Growth Forests, including a work line about dendrochronology, where I've been working with an international team, taking part in the project "Filling in the blanks in European dendrochronology: building a multidisciplinary research network to assess Iberian wooden cultural heritage worldwide" (funded by the Dutch Government) and leading the National geographic Project "Millennia old black pines and Andalusian Cultural Heritage to unravel human- environment interactions in the Western Mediterranean", that has recently been spread by the national media and showed in the Nat Geo TV channel. In this same topic I've got two new projects funded by the Fundación Biodiversidad and by the Ministerio de Economía Industria y Competitividad (Convocatoria Retos). I have 24 JCR papers, 13 in the Q1. I've participated in more than 20 International Conferences. I did short research stays at the University of Berkeley (USA) hosted by Walter Koenig (great scientist specialized in the ecology of *Quercus*, specifically in acorn production) with whom I've been co-author of a book chapter and of a JCR paper (Ecology); and at the Department of Ecology and Conservation of the Southwestern Australia Government hosted by John Bartle, an expert on management of Agroforestry systems in water/soil limited environments. I've been main researcher of a Cooperation Project with Chile and Bolivia (funded by AECID) about Sustainable Forest Management in those areas, and, together with the Institute Jane Goodall Spain and a local ONG, I've been leading a Project about conservation of the forests where chimpanzees live in an endangered area of Senegal, where students from the University of Huelva have been involved as well. I've been the tutor of 5 PhDs in the last ten years, with PhD students from 4 different countries. In 2014-2015 I was the director at the UHU of the International Excellence Campus Cei Cambio, and since July 2017 I'm the Pro- Vice Chancellor of Internationalization of the University of Huelva. I have participated in the Evaluation Committee of Juan de la Cierva Grants (Ministerio de Economía y Competitividad) in 2016. I can speak, read and write English and French.

Part C. RELEVANT MERITS

C.1. Publications (including books)

1. **JCR paper.** Alejano R., Domínguez-Delmás, M., García-González. I., Wazny, T., Vázquez-Pique, J., Fernández-Martínez M. 2019. The age of black pine (*Pinus nigra* Arn. ssp. *salzmannii* (Dunal) Franco) mother trees has no effect on seed germination and on offspring seedling performance. *Annals of Forest Science* 76(1)



2. **JCR paper.** Natalini, F., Alejano, R., Vázquez Piqué, J., Pardos, M., Calama, R., Büntgen, U. 2016 Spatiotemporal variability of stone pine (*Pinus pinea* L.) growth response to climate across the Iberian Peninsula. *Dendrochronologia*. 40: 72-84. doi: 10.1016/j.dendro.2016.07.001
3. **JCR paper.** Andivia, E., Natalini F., Fernández M., Alejano, R., Vázquez-Piqué, J. 2018. Contrasting holm oak provenances show different field performance but similar resilience to drought events eight years after planting in a Mediterranean environment. *iForest*
4. **JCR paper.** Domínguez-Delmás, M., Van Daalen, S., Alejano, R., Wazny T. 2018. Timber resources, transport and woodworking techniques in post medieval Andalusia (Spain). Insights from dendroarchaeological research on historic roof structure. *Journal of Archaeological Science*
5. **JCR paper.** Koenig, W.D., Alejano-Monge, Maria Reyes; Carbonero, Maria Dolores; Fernández-Rebollo, Pilar; Knops, Johannes M.H.; Marañón, Teodoro; Padilla- Díaz, Carmen M.; Pearse, Ian S.; Pérez- Ramos, Ignacio M.; Vázquez-Piqué, Javier; Pesendorf, Mario B. 2015. Is the relationship between mast-seeding and weather in oaks related to their life-history or phylogeny? *Ecology* 97, issue 10; 2603-2615.
6. **JCR paper.** Natalini-, Fabio; Alejano-Monge, Maria Reyes; Vázquez-Piqué, Fco. Javier; Cañellas-Rey De Viñas, Isabel; Gea-Izquierdo, Guillermo. 2016. The role of climate change in the widespread mortality of Holm oak in open woodlands of Southwestern Spain. *Dendrochronologia* (en version digital)
7. **JCR paper.** Martín-Pérez, Daniel; Vázquez-Piqué, Fco. Javier; Alejano-Monge, Maria Reyes. 2015. Effect of pruning and soil treatments on stem growth of holm oak in open woodland forests. *Agroforestry systems* (Print). 89: 599-609.
8. **JCR paper.** Natalini, F; Correia, A.; Vázquez-Piqué, J.; Alejano, R. 2015. Tree rings reflect growth adjustments and enhanced synchrony among sites in Iberian stone pine (*Pinus pinea* L.) under climate change. *Annals of Forest Science* 72:1023-1033
9. **JCR paper.** Andivia-Muñoz, Enrique; Fernández-Martínez, Manuel; Alejano-Monge, Maria Reyes; Vázquez-Piqué, Fco. Javier. 2015. Tree patch distribution drives spatial heterogeneity of soil traits in cork oak woodlands. *Annals of Forest Science*. 72: 549-559.
10. **JCR paper.** Martín-Pérez, Daniel; Vázquez-Piqué, Fco. Javier; Carevic-, Felipe; Fernández-Martínez, Manuel; Alejano-Monge, Maria Reyes. 2015. Trade-off between stem growth and acorn production in holm oak. *Trees*. 39: 825-834.
11. **JCR paper.** Martín-Pérez, Daniel; Vázquez-Piqué, Fco. Javier; Fernández-Martínez, Manuel; Alejano-Monge, Maria Reyes. 2014. Effect of ecological factors on intra-annual stem radial increment of Holm oak. *Trees*. 28: 1367-1381.
12. **JCR paper.** Domínguez- Delmás, M.; Alejano, R.; Wazny, T.; García- González, I. 2013. Radial growth variations of black pine along an elevation gradient in the Cazorla Mountains (South of Spain) and their relevance for historical and environmental studies. *European Journal of Forest Research* 132: 635-652
13. **JCR paper.** Alejano, R., Vázquez-Piqué, J.; Carevic, F.; Fernández, M. 2011. Do ecological and silvicultural factors influence acorn mass in Holm Oak (southwestern Spain)? *Agroforestry Systems* 83: 25-39
14. **JCR paper.** Alejano, R.; Tapias, R., Fernández, M., Alaejos, J., Torres, E., Domingo, J. 2008. Influence of pruning and the climatic conditions on acorn production of holm oak (*Quercus ilex* L.) dehesas in SW Spain. *Annals of Forest Science* 65(2): 1-9

C.2. Research projects and grants

1. Bosques viejos ante el cambio climático; vulnerabilidad, capacidad adaptativa e implicaciones para la gestión forestal. Fundación Biodiversidad. 2017-2018. 31569,17 euros. Main researcher Reyes Alejano



2. El final del ciclo: envejecimiento, mortalidad y regeneración en pinares mediterráneos y su adaptación ante un ambiente en cambio. Convocatoria Retos. Ministerio de Economía, Industria y Competitividad. 2018-2021. Main Researchers Reyes Alejano and Javier Vázquez-Piqué.
3. Millennia old black pines and Andalusian Cultural Heritage to unravel human-environment interactions in the Western Mediterranean. National Geographic Society. 2014-2015. 12400 eur Main Researcher: Reyes Alejano
4. Filling in the blanks in european dendrochronology: building a multidisciplinary research network to assess iberian wooden cultural heritage worldwide. 2009-2011. 35800 euros. Main Researcher: Esther Jansma
5. Elaboración de un plan de gestión sostenible para la provincia del tamarugal, norte de Chile y Departamento de Oruro, suroeste de Bolivia en el escenario del cambio climático. 2009-2010. 20000 EUR. Main REsearcher: Reyes Alejano
6. Producción de bellota en dehesas de encina (*Quercus ilex*) como garantía para su conservación. 2008-2011. 168400 euros. Main Researcher: Reyes Alejano
7. Modelización de la influencia de factores edáficos y climáticos en el crecimiento en especies forestales mediterráneas (*Quercus ilex* L. y *Quercus suber* L.). 2007. 48000 EUR. Main Researcher Javier Vázquez Piqué

C.3. Contracts

Hired by SGS Company as an external counselor in the FSC audit for guaranteeing the Forest Sustainable Management of the Company Silvasur S.A. 2006

C.5. Assessment and Evaluation

Committee: Evaluation Committee
Institution: Ministerio de Economía y Competitividad
Subject: Juan de la Cierva Grants
Date: 2016

Committee: University Awards
Institution: Sociedad Española de Ciencias Forestales
Subject: Forestry Science
Date: 2012

Committee: Scientific committee
Institution: Sociedad Española de Ciencias Forestales
Subject: Meeting of the Ecophysiology, Acvology and Forestry Soils Group
Date: 2012

C.6. Institutional responsibilities

Title: Pro Vice Chancellor of Internationalization of the University of Huelva
Date: started in 2017

Title: Director of the International Campus of Excellence of Environment, Biodiversity and Global Change (CeICamBio) at the University of Huelva
Date: 2014-2015

Title: Researcher in charge of the official Research Group (Regional Government)
"Management of forest resources" (RNM 709)
Date: 2000-2003

C.7. Other merits

Call to the Senate invited by the Environment, Agriculture and Fishing Coomission to talk about the current situation of Spanish Dehesas. 2009



Appearance at the National Parliament invited by the Culture Commission as the Main Researcher of the Project "Millennia old black pines and Andalusian Cultural Heritage to unravel human-environment interactions in the Western Mediterranean" in a session organized by National Geographic Society in order to present their Grants program in Spain. 2017.
