

CURRICULUM VITAE (CVA)
IMPORTANT – The Curriculum Vitae cannot exceed 4 pages. Instructions to fill this document are available in the website.

Part A. PERSONAL INFORMATION

CV date 15/05/2023

First name	Vicente Fernando		
Family name	Rozas Ortiz		
Gender (*)	Male	Birth date (dd/mm/yyyy)	16/08/1967
Social Security, Passport, ID number	72123638P		
e-mail	vicentefernando.rozas@uva.es	URL Web: cambiumresearch.eu	
Open Researcher and Contributor ID (ORCID) (*)		0000-0003-2048-6864	

(*) Mandatory

A.1. Current position

Position	Professor (Profesor titular)		
Initial date	19/04/2021		
Institution	Universidad de Valladolid		
Department/Center	Ciencias Agroforestales	EiFAB /Universidad de Valladolid	
Country	Spain	Teleph. number	975129484
Key words	Dendrocronology; Bioclimatology; Climatic change; Spatial patterns		

A.2. Previous positions (research activity interruptions, see call)

Period	Position/Institution/Country/Interruption cause
04/10/2015 - 18/04/2021	Associate professor (profesor ayudante doctor) / UVA / Spain
01/07/2015 - 30/09/2015	Visiting researcher PAI-MEC CONICYT program / UACH / Chile
07/06/2013 - 31/08/2013	Researcher / USC / Spain
01/12/2009 - 30/11/2012	Post-doc position JAEdoc program, CSIC / MBG-CSIC /Spain
01/12/2004 - 30/11/2009	Post-doc position INIA-CCAA system, Ministerio de Ciencia e Innovación, Gobierno de España / CIFAL, Xunta de Galicia / Spain

A.3. Education

PhD, Licensed, Graduate	University/Country	Year
Doctor en Biología	Universidad de Oviedo / Spain	1999
Examen de Grado, Tesina	Universidad de Oviedo / Spain	1997
Licenciado en Ciencias Biológicas	Universidad de Oviedo / Spain	1994

Part B. CV SUMMARY (max. 5000 characters, including spaces) to complete this section, please read carefully: "Instructions to fill CVA"

My research focuses on the research fields of forest ecology and dendrochronology, having conducted studies on the impacts of management changes, disturbances, global change and climate teleconnections on the growth and survival of forest tree species and the spatio-temporal tree regeneration patterns in Europe, South America, Macaronesia and North Africa. My main positions in R&D organizations were as research project collaborator at the Institute of Natural Resources and Land Management (INDUROT), University of Oviedo (1996), and at the Department of Organism and Systems Biology, University of Oviedo (2000-2003). I was also a postdoc researcher of the INIA-CCAA system, Ministry of Science and Innovation (BOE 23/12/2003) at the Centro de Investigación e Información Ambiental de Lourizán, Xunta de Galicia (Dec2004-Nov2009) and postdoc researcher of the JAEDoc program, CSIC, Ministry of Science and Innovation (BOE 23/08/2008) at the Biological Mission of Galicia, CSIC (Dec2009-Nov2012). I was a visiting researcher at the Universidad Austral de Chile (Jul2015-Sep2015) funded by the PAI-MEC program of CONICYT, to collaborate in the FONDECYT 1121106 Project "High Resolution Hydroclimate Variability in the Central Andes of Chile and

Argentina during the Last Millennium: a Tree-Ring and Modelling Perspective". I have been Assistant Professor (Profesor Ayudante Doctor, Oct2015-Apr2021) and I am currently Professor (Profesor titular, since Apr2021) in the Department of Agroforestry Sciences, E. U. of Agricultural Engineering, Campus Duques de Soria, University of Valladolid.

I have participated in 30 research projects and contracts as a technical support staff, collaborating researcher or participating researcher and I have been principal investigator of three competitive research projects, two funded at national level and one at regional level. I have published 83 articles in SCI indexed scientific journals, 17 articles in non-indexed scientific journals and 3 book chapters. I have given 69 communications at congresses, including 2 invited talks, 32 oral communications and 35 in panel. I was co-supervisor of four PhD Theses (one in 2010, University of Valladolid; two in 2016, University of Santiago de Compostela; one in 2022, University of Valladolid). I was supervisor of 16 final projects of graduate's or master's degrees, TIT or DEA at the Universities of Vigo, Santiago de Compostela and Valladolid. I have given 6 invited lectures and participated as a teacher in 4 training courses held at the Environmental Sciences Center (CSIC) and the Universities of Valladolid, Cordoba and San Luis (Argentina). As a teacher I have taught more than 120 hours of Third Cycle in Doctorate and Master Programs at the Universities of Oviedo and Vigo. Since 2015 I have been teaching 4 academic subjects of Forestry and Agroenergetic Engineering and one academic subject of Primary Professor at the University of Valladolid, with a teaching load of over 200 hours per course. Thanks to this research and teaching activity, I have been accredited by the agencies ANECA and ACSUG for profesor ayudante doctor, profesor contratado doctor and profesor de universidad privada, and for full university professor by ANECA. I actively collaborate as a reviewer with several scientific journals, have reviewed more than 60 manuscripts and serve on the editorial board (Subject Editor, 2014-2016; Advisory Review Board, 2016-present) of the journal *iForest - Biogeosciences and Forestry*, which is included in the JCR.

Part C. RELEVANT MERITS

They may include publications, data, software, contracts or industrial products, clinical developments, conference, publications, etc. If these contributions have DOI, please include it

C.1. Publications

Must be include the corresponding author, the position occupied by the applicant researcher)

AC: corresponding author. (nº x / nº y): position / total authors. If applicable, indicate the number of citations

Complete list of publications: <https://www.scopus.com/authid/detail.uri?authorId=14030547700>

- 1) Olano, J.M., Hernández-Alonso, H., Sangüesa-Barreda, G., **Rozas, V.**, García-Cervigón, A.I. & García-Hidalgo, M. (2022). Disparate response to water limitation for vessel area and secondary growth along *Fagus sylvatica* southwestern distribution range. *Agricultural and Forest Meteorology*, 323. <https://doi.org/10.1016/J.AGRFORMET.2022.109082> (4/6)
- 2) García-López, M. A., **Rozas, V.**, Olano, J.M., Sangüesa-Barreda, G., García-Hidalgo, M., Gómez-González, S., López-Rubio, R., Fernández-Palacios, J. M., García-González, I., & García-Cervigón, A. I. (2022). Tree-ring distinctness, dating potential and climatic sensitivity of laurel forest tree species in Tenerife Island. *Dendrochronologia*, 76. <https://doi.org/10.1016/J.DENDRO.2022.126011> (2/10)
- 3) Vázquez-González, C., Sampedro, L., López-Goldar, X., Solla, A., Vivas, M., **Rozas, V.**, Josefa Lombardero, M., & Zas, R. (2022). Inducibility of chemical defences by exogenous application of methyl jasmonate is long-lasting and conserved among populations in mature *Pinus pinaster* trees. *Forest Ecology and Management*, 518. <https://doi.org/10.1016/J.FORECO.2022.120280> (6/8)
- 4) **Rozas, V.**, García-Cervigón, A.I., García-Hidalgo, M., Rodríguez-García, E., & Olano, J. M. (2021). Living on the edge: Legacy of water availability on *Tetraclinis articulata* secondary growth under semiarid conditions in Morocco. *Dendrochronologia*, 68. <https://doi.org/10.1016/J.DENDRO.2021.125853> (1/5)
- 5) Vicente-Serrano, S.M., Martín-Hernández, N., Camarero, J. J., Gazol, A., Sánchez-Salguero, R., Peña-Gallardo, M., El Kenawy, A., Domínguez-Castro, F., Tomas-Burguera, M., Gutiérrez, E., de Luis, M., Sangüesa-Barreda, G., Novak, K., **Rozas, V.**, Tíscar, P. A.,

- Linares, J. C., del Castillo, E. M., Ribas, M., García-González, I., et al. (2020). Linking tree-ring growth and satellite-derived gross primary growth in multiple forest biomes. Temporal-scale matters. *Ecological Indicators*, 108. <https://doi.org/10.1016/J.ECOLIND.2019.105753> (14/22)
- 6) García-Cervigón, A.I., García-Hidalgo, M., Martín-Esquivel, J.L., **Rozas, V.**, Sangüesa-Barreda, G., & Olano, J.M. (2019). The Patriarch: a Canary Islands juniper that has survived human pressure and volcanic activity for a millennium. *Ecology*, 100(10). <https://doi.org/10.1002/ECY.2780> (4/6)
 - 7) Sangüesa-Barreda, G., Villalba, R., **Rozas, V.**, Christie, D.A., & Olano, J.M. (2019). Detecting *Nothofagus pumilio* Growth Reductions Induced by Past Spring Frosts at the Northern Patagonian Andes. *Frontiers in Plant Science*, 10. <https://doi.org/10.3389/FPLS.2019.01413> (3/5)
 - 8) **Rozas, V.**, Le Quesne, C., Rojas-Badilla, M., González-Reyes, Á., Donoso, S., & Olano, J.M. (2019). Climatic cues for secondary growth and cone production are sex-dependent in the long-lived dioecious conifer *Araucaria araucana*. *Agricultural and Forest Meteorology*, 274, 132-143. <https://doi.org/10.1016/J.AGRFORMET.2019.05.003> (1/6)
 - 9) Serra-Maluquer, X., Gazol, A., Sangüesa-Barreda, G., Sánchez-Salguero, R., **Rozas, V.**, Colangelo, M., Gutiérrez, E., & Camarero, J.J. (2019). Geographically Structured Growth decline of Rear-Edge Iberian *Fagus sylvatica* Forests After the 1980s Shift Toward a Warmer Climate. *Ecosystems*, 22(6), 1325-1337. <https://doi.org/10.1007/S10021-019-00339-Z> (5/8)
 - 10) **Rozas, V.**, Le Quesne, C., Rojas-Badilla, M., González, M.E., & González-Reyes, Á. (2018). Coupled human-climate signals on the fire history of upper Cachapoal Valley, Mediterranean Andes of Chile, since 1201 CE. *Global and Planetary Change*, 167, 137-147. <https://doi.org/10.1016/J.GLOPLACHA.2018.05.013> (1/5)

C.2. Research projects (must indicate their personal contribution, and lines of research for which they have been responsible)

Complete list of projects: <https://portaldelaciencia.uva.es/investigadores/180358/proyectos>

- 1) CLU-2019-01. PROGRAMA ESTRATÉGICO: IUI EN GESTIÓN FORESTAL SOSTENIBLE (IUFOR). IP: BRAVO OVIEDO, FELIPE. Entidades Participantes: UNIVERSIDAD DE VALLADOLID (UVa). Entidades Financiadoras: FONDOS FEDER, JUNTA DE CASTILLA Y LEÓN -CONSEJERÍA DE EDUCACIÓN. 01/01/2021-31/12/2024. 850.000,00 €
- 2) CGL2017-87309-P. SPRING. Nuevos proxies para comprender la respuesta de los bosques a las condiciones primaverales en un contexto de cambio climático. Entidad financiadora: Mineco, Gobierno de España. IP: Vicente Fernando Rozas Ortiz, UVa. 2018-2020. 128.000 €.
- 3) VA026P17. SEÑALES: Integración de datos obtenidos mediante sensores remotos para el desarrollo de herramientas predictivas y de seguimiento a gran escala ante el cambio global en el sector forestal. Entidad financiadora: Junta de Castilla y León. IP: José Miguel Olano Mendoza, UVa. 2017-2019. 120.000 €.
- 4) 10MDS291009PR. Robles y cambio climático en Galicia: patrones de variación espacio-temporal de la fenología, xilogénesis, anatomía y germinación (ROCLIGAL). Entidad financiadora: Consellería de Innovación e Industria, Xunta de Galicia. IP: Ignacio García González, USC. 2011-2013. 44.529 €.
- 5) BFU2010-21451. Xilogénesis de *Quercus robur* y *Quercus pyrenaica* a lo largo de un gradiente de disponibilidad hídrica en el Noroeste de la Península Ibérica (XIRONO). Entidad financiadora: Ministerio de Ciencia e Innovación. IP: Ignacio García González, USC. 2011-2013. 82.280 €
- 6) AGL2010-18724. Compromisos entre crecimiento y resistencia constitutiva e inducida en el género *Pinus*: variación entre y dentro de especies e implicaciones para los programas de mejora (COMPROPIN). Entidad financiadora: Ministerio de Ciencia e Innovación. IP: Rafael Zas Arregui, MBG-CSIC. 2011-2012. 131.890 €.
- 7) PGIDIT06PXIB502262PR. Cambio climático, riesgos ambientales y procesos de decaimiento en poblaciones de roble y pino marítimo de Galicia. Entidad financiadora: Consellería de Innovación e Industria, Xunta de Galicia. IP: Vicente Fernando Rozas Ortiz, CIFAL, Consellería de Medio Ambiente, Xunta de Galicia. 2007-2009. 67.000 €.

- 8) RTA2006-00117-00-00. Cambio climático y crecimiento de especies forestales caducifolias en el noroeste de la Península Ibérica: análisis de anillos de crecimiento y vasos xilemáticos. Entidad financiadora: INIA, Ministerio de Educación y Ciencia. IP: Vicente Fernando Rozas Ortiz, CIFAL, Consellería de Medio Ambiente, Xunta de Galicia. 2007-2009. 77.415 €.
- 9) PGIDIT07MRU045502PR. Descomposición, respiración edáfica y balance de carbono en cronosecuencias de roble (*Quercus robur*) y de pino marítimo (*Pinus pinaster*) en Galicia. Entidad financiadora: Consellería de Innovación e Industria, Xunta de Galicia. IP: Luis Sampedro Pérez. Entidad de afiliación: Centro de Investigación e Información Ambiental de Lourizán, Consellería de Medio Ambiente, Xunta de Galicia. 2007-2009. 80.730 €.
- 10) RTA2005-00218-00-00. Productividad y dinámica de los ecosistemas forestales de masas puras de roble (*Quercus robur* L.) y abedul (*Betula celtiberica* Rothm. et Vasc.) sometidas a clareo en el Noroeste Peninsular. Entidad financiadora: INIA, Ministerio de Educación y Ciencia. IP: Francisco Javier Silva Pando, CIFAL, Consellería de Medio Ambiente, Xunta de Galicia. 2006-2008. 105.599 €.

C.3. Supervised PhD theses

(all qualified Sobresaliente Cum Laude)

- 1) Lucía de Soto Suárez. Efecto del cambio global sobre la especie dioica *Juniperus thurifera* en la Península Ibérica. E.U.I. Agrarias de Soria, UVa. Supervisors: José Miguel Olano Mendoza, Vicente Rozas Ortiz. 2010.
- 2) Manuel Souto Herrero. Estudio dendroecológico de elementos conductores del xilema en angiospermas leñosas del Noroeste Ibérico: influencia del clima y sus variaciones espacio-temporales. Escola Politécnica Superior, USC. Supervisors: Ignacio García González, Vicente Rozas Ortiz. 2016.
- 3) Gonzalo Pérez de Lis Castro. Effects of climate on wood formation of *Quercus robur* L. and *Quercus pyrenaica* Willd. along a Mediterraneanity gradient in Galicia. Escola Politécnica Superior, USC. Supervisors: Ignacio García González, Vicente Rozas Ortiz. 2016.
- 4) Miguel García Hidalgo. Open tools for dendrochronology. Advances in sample digitization and deep learning methods for image segmentation. UVA. Supervisors: Vicente Rozas Ortiz, Angel Mario García Pedrero. 2022.

C.4. Stays in research centers

- 1) Instituto de Conservación, Biodiversidad y Territorio, Facultad de Ciencias Forestales y Recursos Naturales, Universidad Austral de Chile, Valdivia, Chile. 03/10/2022-30/11/2022.
- 2) Instituto de Conservación, Biodiversidad y Territorio, Facultad de Ciencias Forestales y Recursos Naturales, Universidad Austral de Chile, Valdivia, Chile. 03/09/2018-30/11/2018.
- 3) Instituto de Conservación, Biodiversidad y Territorio, Facultad de Ciencias Forestales y Recursos Naturales, Universidad Austral de Chile, Valdivia, Chile. 01/07/2015-30/09/2015.
- 4) Instituto de Conservación, Biodiversidad y Territorio, Facultad de Ciencias Forestales y Recursos Naturales, Universidad Austral de Chile, Valdivia, Chile. 01/01/2014-28/02/2014.
- 5) Departamento de Ciencias Agropecuarias, Facultad de Ingeniería y Ciencias Económico-Sociales, Universidad Nacional de San Luis, Villamercedes, Argentina. 01/04/2012-30/04/2012.
- 6) Departamento de Parasitología, Ecología y Genética, Universidad de La Laguna, Tenerife. 15/03/2007-05/05/2007.