

Part A. PERSONAL INFORMATION

CV date

Jun23

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|--------------------------------------|--|---------------------|--|
| First and Family name | SONIA ROIG GÓMEZ | | |
| Social Security, Passport, ID number | ██████████ | Age | |
| Researcher codes | Open Researcher and Contributor ID (ORCID**) | 0000-0002-2057-3020 | |
| | WoS Researcher ID (*) | F-8302-2010 | |

(*) *Optional*

(**) *Mandatory*

A.1. Current position

| | | | |
|--------------------------------|--|--------|--|
| Name of University/Institution | Universidad Politécnica de Madrid (Spain) | | |
| Department | Natural Resources and Systems | | |
| Address and Country | MONTES-UPM Ciudad Universitaria s/n 28040 Madrid | | |
| Phone number | 910671765 | E-mail | sonia.roig@upm.es |
| Current position | Associate professor/PTU | From | 2010 |
| Key words | Silvicultura, silvopascicultura, agroforestry systems, forest stand growth and dynamics, coppices, wildlife and pastoral management, non wood forest products, | | |

A.2. Education

| PhD, Licensed, Graduate | University | Year |
|--|---|------|
| Applied Statistics Expert/ <i>Experto Universitario en Estadística Aplicada</i> | U.N.E.D. (Spain) | 2001 |
| PhD in Forestry/ <i>Dra. Ingeniera de Montes</i> | Universidad Politécnica de Madrid (Spain) | 1999 |
| Ms Forestry/ <i>Ingeniera de Montes</i> | Universidad Politécnica de Madrid (Spain) | 1994 |

A.3. General indicators of quality of scientific production (see instructions)

Number of 'sexenios' (positively assessed research periods): 3 (2001-06) (2007-12) (2013-18). Number of 'quinquenios' (teaching periods): 3

Number of thesis supervised (since 2010): 3. Three thesis in progress.

Total times cited/Hindex: 635/15 (Publons). 1518/22 I₁₀: 37 (Google scholar).

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

I am associate professor of Silviculture and Forest Restoration at the Department of Natural Systems and Resources (School of Forest Engineering and Natural Resources at the Universidad Politécnica of Madrid -UPM) since 2010. Since my PhD in Forestry I have developed my professional activity at different universities (Universidad de Valladolid and UPM) and research centers (Center for Forest Research, INIA) as lecturer and researcher for the last 24 years (19 of them linked to Silviculture, Agroforestry, pastoral system management teaching). I have gained recognition for eighteen years of international quality research ('sexenios') and fifteen years of quality university teaching ('quinquenios'). My research interest is focused on forest and silvopastoral systems sustainable management in the Mediterranean region from a holistic vision, including dehesas, oak coppices and mountain pinewoods. Since 2004 I have co-authored 32 JCR indexed paper ([ORCID: 0000-0002-2057-3020](https://orcid.org/0000-0002-2057-3020)) and 24 national scientific journals papers, I am the author of several books (9) and book chapters (18). I have participated in numerous scientific meetings presenting oral and poster communications (97). Total times cited/Hindex: 635/15 (Publons). 1518/22 I₁₀: 37 (Google scholar). I have

participated in numerous research projects (16), being the principal researcher (IP) of three of them funded by the Spanish Government and five contracts with public bodies. I have been advisor of four doctoral thesis, four additional currently in progress. I am current referee of more than 12 scientific journals in the field of forestry and agroforestry subjects. Associate editor of the Spanish Journal of Agricultural Research. My work in research and innovation management has been very active during the last years. I have been the coordinator of the PhD program on Advanced Forestry School at the UPM (since 2014 to 2022) and coordinator of the research group ECOGESFOR (Ecology and Sustainable Forest Management) at the UPM (since 2012). I am the president of the Spanish Society of Pastures since 2015; with this national researcher network I have coordinated several research and transference projects specially dedicated to key stakeholders (Spanish Agriculture and Environmental Ministries, technology based companies...). I am member of management board of the Spanish Society of Forestry Sciences. I organize and participate in numerous activities of science dissemination and training (webs and blogs, social media, specialization courses organization, etc.) and scientific meetings (three national congresses).

Part C. RELEVANT MERITS (sorted by typology)

C.1. Publications (10 selected)

- RODRÍGUEZ-ROJO, M.P.; ROIG, S.; LÓPEZ-CARRASCO, C.; REDONDO GARCÍA, M.M.; SÁNCHEZ-MATA, D. 2022. Which Factors Favour Biodiversity in Iberian Dehesas?. *Sustainability*, 14, 2345
- DE FRUTOS, S.; BRAVO-FERNÁNDEZ, JA; ROIG-GÓMEZ, S.; DEL RIO, M.; RUIZ-PEINADO, R. 2022. Natural regeneration and species diversification after seed-tree method cutting in a maritime pine reforestation. *iForest* 15: 500-508.
- LÓPEZ SÁNCHEZ, A.; ROIG, S.; DIRZO, R.; PEREA, R. 2021. Effects of domestic and wild ungulate management on young oak size and architecture. *Sustainability* 13, n 14, 7930.
- LÓPEZ SÁNCHEZ, A.; PEREA, R.; ROIG, S. 2019. Are large-nested bird colonies compatible with the conservation of grazed woodlands? *Global Ecology and Conservation*. Vol 20. Doi: 10.1016/j.gecco.2019.e00705.
- LÓPEZ-SÁNCHEZ, A.; ROIG, S.; DIRZO, R. 2017. Changes in livestock footprint and tree layer coverage in Mediterranean dehesas: A six-decade study based on remote sensing. *International Journal of Remote Sensing*, 39 (14): 4727-4743.
- SERRADA R.; GÓMEZ-SANZ, V.; AROCA, M. J.; OTERO, J.; BRAVO-FERNÁNDEZ, J.A.; ROIG, S. 2017. Decline in holm oak coppices (*Quercus ilex* L. subsp. *Ballota* (Desf.) Samp.): biometric and physiological interpretations. *Forest Systems*, Volume 26, Issue 2, exxS. <https://doi.org/10.5424/fs/2017262-10583>
- LÓPEZ-SÁNCHEZ, A.; SAN MIGUEL, A.; LÓPEZ-CARRASCO, C.; HUNTSINGER, L.; ROIG, S. 2016. The important role of scattered trees on the herbaceous diversity of a grazed Mediterranean dehesa. *Acta Oecologica* 76: 31-38. DOI: 10.1016/j.actao.2016.08.003
- ALONSO-PONCE, R.; ROIG, S.; BRAVO, A.; DEL RÍO, M.; MONTERO, G.; PARDOS, M. 2016. Dynamics of ecosystem services in *Pinus sylvestris* stands under different management and site quality classes. *European Journal of Forest Research*. DOI: 10.1007/s10342-016-1021-4
- LÓPEZ-SÁNCHEZ, A.; PEREA, R.; DIRZO, R.; ROIG, S. 2016. Livestock vs. wild ungulate management in the conservation of Mediterranean dehesas: Implications for oak regeneration. *Forest Ecology and Management* 362: 99-106.
- PEREA, R.; LÓPEZ-SÁNCHEZ, A.; ROIG, S. 2016. The use of shrub cover to preserve Mediterranean oak dehesas: A comparison between sheep, cattle and wild ungulate management. *Applied Vegetation Science* 19(2). 244–253. Doi: 10.1111/avsc.12208.

C.2. Research projects

FORTRESS. De plantaciones a bosques a través de la restauración ecológica: una aproximación holística de la gestión forestal hacia la sostenibilidad en escenarios de cambio global.

Financing entity: Programa Estatal para Impulsar la Investigación Científico-Técnica y su Transferencia, 'Proyectos de Generación de Conocimiento
Participant entity: UPM

Dates, since: 2022 to: 2026

IPs: Drs. Sonia Roig and Raquel Benavides (UPM).

FORADMIT. Gestión forestal para la adaptación y mitigación: diversificación estructural y específica de pinares mediterráneos de repoblación. AGL2016-77863-R

Financing entity: Programa Estatal de Investigación, Desarrollo e Innovación orientada a los Retos de la Sociedad

Participant entity: UPM

Dates, since: 2017 to: 2020

IPs: Drs. Juan Oliet and Agustín Rubio (UPM). Sonia Roig, researcher

ARANGE: Advanced multifunctional forest Management in European mountain ranges. 289437 FP7-KBBE-2011-5

Financing entity: Unión Europea FP7-KBBE2011.

Participant entity: INIA (Spain) and other 14 countries

Dates, since 2012 to 2015

IP (Spanish partner): Dr. Pardos Minguéz (INIA). Sonia Roig, researcher.

DEhesas y TALLares de Encina en la España mediterránea: propuestas de gestión para la sostenibilidad de dos sistemas forestales paradigmáticos. (De.Tall.E). RTA2009-00110.

Financing entity: Plan Nacional I+D+I 2008-2011. Subprograma de Proyectos de Investigación Fundamental orientada a los Recursos y Tecnologías Agrarias en coordinación con las CCAA

Participant entity: INIA-UPM

Dates, since: 2009 to: 2011

Coordination (IP): Dr. Sonia Roig (INIA)

Total budget: 100.036,27 €

El sistema agroforestal dehesa como sumidero de carbono: hacia un modelo conjunto de la vegetación y el suelo. SUM2006-0034-C02.

Financing entity: INIA. Acción Movilizadora de Sumideros Agroforestales de Efecto Invernadero

Participant entites: INIA-UPM-UVa-CIEMAT

Dates, since: 2007 to: 2010

Coordination (IP): Dra. Sonia Roig (INIA-UPM)

Total budget: 172.812,4 €

C.3. Contracts, technological or transfer merits

Establecimiento de una metodología de trabajo para la definición y cartografía de tipos de pastos herbáceos y prácticas agrarias y ganaderas asociadas para la mejora del Inventario Nacional de Emisiones.

IP: Sonia Roig. UPM. Financing entity: Tragsatec. Dates: 2020

Trabajos de investigación sobre el servicio de fajas cortafuegos de la Comunidad de Madrid.

IP: Sonia Roig. UPM. Financing entity: Tragsatec. Dates: 2019

Propuesta marco conceptual para la gestión de masas forestales del Plan General de Repoblación de España.

IP: Sonia Roig. UPM. Financing entity: WWF. Dates: 2019

Evaluación sobre impactos, vulnerabilidad y adaptación al cambio climático en los sistemas extensivos de producción ganadera en España

IP: Agustín Rubio. UPM.

Financing entity: Oficina Española de Cambio Climático. Dates: 2015-2016

Fertilización en la dehesa de encina y alcornoque: efecto sobre la producción y calidad de pastos herbáceos, bellotas y corcho

IP: Sonia Roig Gómez. Depto. Silvopascicultura. UPM.

Financing entity: Fertiberia. Dates: 2010-2012

Proyecto de evaluación y revisión de las prácticas de ordenación forestal para una gestión adaptativa de los bosques españoles ante el cambio climático.

Edited book SERRADA HIERRO, R.; AROCA FERNÁNDEZ, M.J.; ROIG GÓMEZ, S.; BRAVO FERNÁNDEZ, J.A.; GÓMEZ SANZ, V. 2011. Impactos, vulnerabilidad y adaptación al cambio climático en el sector forestal. Notas sobre gestión adaptativa de las masas forestales ante el cambio climático. Ministerio de Medio Ambiente y Medio Rural y Marino. Madrid. 126 pp
IP: Rafael Serrada Hierro. UPM. Sonia Roig, researcher.



Financing entity: Oficina Española de Cambio Climático. MMARM. Dates 2009

C.4. Patents

C.5, Other merits.

Author of the dissemination book Fernández, S and Roig, S. 2021. *El bosque es nuestra casa*. Ed. A buen paso. Libro informativo.

Coordinator of the UPM research group ECOGESFOR, Ecology and Sustainable Forest Research. From 2012 until now.

Coordinator of the Master of Advanced Forestry Research (UPM), since 2012 to 2014.

Coordinator of the PhD program of Advanced Forestry Research (UPM), since 2014 until now.

Subdirector of the International Doctoral School (EID-UPM), since March 2019 until now.

Coordinator of the PhD student training program.

University teaching experience: 18 years at Forestry related grades and master studies.

Subjects: Silviculture, Ecological restoration, Agroforestry systems, Silvopasciculture.

Supervisor of more than 75 Master and Grade thesis.

President of the Spanish Society of Pastures -SEP-(since April 2015)

Reviewer UE 7thFP. Reviewer of Forestry and Ecology journals (*Forest Systems, Annals of Forest Science, Agroforestry Systems, European Journal of Forest Research*, etc).

Associate editor of the *Spanish Journal of Agricultural Research*.

Organizing Committee president of the 50th and 57th and Scientific Meeting of the SEP (2011, 2018) and the 5th Iberian Meeting of Pastures, SEP and SPPF (2023).

Dissemination and training activities:

Organizing committee president of multiples courses of transference of research results ([SEP courses](#), [cycles of seminars](#)...)

Dissemination in internet: web pages manager (seepastos.es, PhD IFA, EID), distribution lists (seepastos, secforestales), blogs (SEEP) y social media (@IFA_upm, @seepastos, @ecogesfor, @foradmit)