

CV Date	28/01/2024
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Part A. PERSONAL INFORMATION

First Name	Daniel		
Family Name	Sacristán Moraga		
Sex	Male	Date of Birth	22/08/1985
ID number Social Security, Passport	48313722Z		
URL Web			
Email Address	daniel.sacristan@uv.es		
Open Researcher and Contributor ID (ORCID)	0000-0001-6174-7624		

A.1. Current position

Job Title	Profesor Ayudante Doctor		
Starting date	2020		
Institution	Universitat de València		
Department / Centre	Plant Biology - Soil Science / Pharmacy		
Country		Phone Number	
Keywords			

A.2. Previous positions (Research Career breaks included)

Period	Job Title / Name of Employer / Country
2019 - 2020	Técnico Superior en Investigación / Instituto de Agricultura Sostenible
2015 - 2018	Investigador Postdoctoral / Universidad de Córdoba
2010 - 2014	Investigador predoctoral / Universitat de València
2009 - 2009	Técnico superior en Investigación / Universitat de València

A.3. Education

Degree/Master/PhD	University / Country	Year
Biodiversidad	Universitat de València / Spain	2015
Máster en biodiversidad: conservación y evolución	Universitat de València / Spain	2010
Licenciatura en Ciencias Ambientales	Universitat de València	2008

Part B. CV SUMMARY

With a Degree in Environmental Sciences and Masters and Doctorate in Biodiversity, the candidate has already been working in several research groups of different institutions and research centers. He spent 6 months in the Commonwealth Scientific and Industrial Research Organisation (CSIRO) in Canberra (Australia), one of the leading research centres worldwide; and nearly 3 years in the University of Córdoba, in the department of Soil Science, one of the most influencing research groups in the area of soil fertility and iron (Fe) soil dynamics and mineralogy. He also spent 2 years working for the Institute for Sustainable Agriculture (IAS-CSIC) in Córdoba, where he participated in the project "Design and Application of Strategies for the control of Xylella fastidiosa". Here, he was involved in the development of models for the early detection and evaluation of almond trees infected by Xylella fastidiosa. During the same period, he also collaborated in the department of Plant Physiology of the University of the Balearic Islands, in the topic "strategies to control X. fastidiosa through soil management practices and soil management strategies to mitigate climate change". He currently is **Assistant Professor** at the University of Valencia, where he lectures different soil science subjects and is involved in different research projects, being the most the relevant the projects:

(1) Influencia del manejo agrícola sobre la biodiversidad, el funcionamiento y las salud de los suelos mediterráneos SOILBIO (Fundación Biodiversidad); (2). HORIZON-CL6-2022-FARM2FORK-01-09: Unravelling the potential of the wheat microbiome for the development of healthier, more sustainable and resilient wheat-derived food & feed products (WHEATBIOME); (3). HORIZON-MISS-2023-SOIL-01-08: Governance and business models for living labs: rural regeneration hubs for tackling soil health challenges in the Mediterranean regions (GOV4ALL). His Doctoral **Thesis**, qualified with the **maximum mark** (Summa Cum Laude and International Mention), was considered the third **Best Thesis in the University of Valencia**, in the area of Sciences. Since 2013, he has focused more on sustainable agriculture, particularly in organic farming strategies and practices, and the benefits they produce on the soils' quality and health. Until now, he has been **supervisor of 6 Final Degree/Master Project and has also been the supervisor of 4 students' practicum**. He has published **one book chapter and 17 scientific papers, published all in journals of the SCI Journal Citation Report** (2 more submitted). He is the **first author in 6** of them and **16 of these papers were published in journals of the first quartile (Q1)** in topics like Soil Science, Agriculture and Environmental Sciences. They have received a total of 317 citations in the period 2014-2023. Daniel Sacristán Moraga has published 15 contributions to **national and international conferences** (oral presentations, posters, and 2 **invited/keynote** talks). Finally, he **reviews for several prestigious international scientific journals** (peer review, JCR) and is member of the **Editorial Board of Frontiers in Agronomy**.

Part C. RELEVANT ACCOMPLISHMENTS

C.1. Most important publications in national or international peer-reviewed journals, books and conferences

AC: corresponding author. (n° x / n° y): position / total authors. If applicable, indicate the number of citations

- 1 **Scientific paper**. Antonio Rafael Sánchez-Rodríguez; Maria-Dolores Rey; Hasna Nechate-Drif; María Ángeles Castillejo; Jesús V. Jorrín-Novó; José Torrent; María Carmen del Campillo; (8/8) Daniel Sacristán. 2021. Combining P and Zn fertilization to enhance yield and grain quality in maize grown on Mediterranean soils. *Scientific Reports*. nature. 11.
- 2 **Scientific paper**. (1/5) Sacristán, Daniel (AC); Cifre, Josep; Llompert, Miquel; Jaume, Jaume; Gulias, Javier. 2021. Lignocellulosic Biomass Production and Persistence of Perennial Grass Species Grown in Mediterranean Marginal Lands. *Agronomy*. MDPI. 11-10. ISSN 2073-4395.
- 3 **Scientific paper**. (1/4) Sacristán, Daniel; González-Guzmán, Adrián; Torrent, José; del Campillo, María Carmen. 2021. Optimum Olsen Phosphorus/ZincDTPA ratio for the initial growth of maize in agricultural soils of the Mediterranean region. *Journal of the Science of Food and Agriculture*. 101-7, pp.3056-3064.
- 4 **Scientific paper**. Antonio Rafael Sánchez-Rodríguez; María Marín-Paredes; Adrian González-Guzmán; et al; María Carmen del Campillo; (6/10) Daniel Sacristán. 2021. Zinc biofortification strategies for wheat grown on calcareous Vertisols in southern Spain: application method and rate. *Plant and Soil*. Springer. 462, pp.125-140.
- 5 **Scientific paper**. González-Guzmán, Adrián; (2/6) Sacristán, Daniel; Sánchez-Rodríguez, Antonio Rafael; Barrón, Vidal; Torrent, José; del Campillo, María Carmen. 2020. Soil Nutrients Effects on the Performance of Durum Wheat Inoculated with Entomopathogenic Fungi. *Agronomy*. MDPI. 10-4. ISSN 2073-4395.
- 6 **Scientific paper**. (1/5) Sacristán, D.; González-Guzmán, A.; Barrón, V.; Torrent, J.; Del Campillo, María C. 2019. Phosphorus-induced zinc deficiency in wheat pot-grown on noncalcareous and calcareous soils of different properties. *Archives of Agronomy and Soil Science*. Taylor & Francis Online. 65-2, pp.208-223.
- 7 **Scientific paper**. (1/3) Sacristán, D.; Peñarroya, B.; Recatalá, L. 2015. Increasing the knowledge on the management of Cu-Contaminated agricultural soils by cropping tomato (*Solanum lycopersicum* L.). *Land Degradation & Development*. John Wiley & Sons Ltd.. 26, pp.587-595.

- 8 **Scientific paper.** Recatalá, L.; (2/4) Sacristán, D.; Arbelo, C.; Sánchez, J. 2012. Can a single and unique Cu soil quality standard be valid for different Mediterranean agricultural soils under an accumulator crop?. *Water Air and Soil Pollution*. Springer. 223, pp.1503-15017.
- 9 **Scientific paper.** Germán A Durán; Daniel Sacristán; Edelweis Farrús; Jaume Vadell. 2024. Towards defining soil quality of Mediterranean calcareous agricultural soils: reference values and potential core indicator set. *International Soil and Water Conservation Research*. 12, pp.145-155.
- 10 **Scientific paper.** G Alejandro Durán-Román; Daniel Sacristán; Isabel Sastre-Conde; Jaume Vadell. 2022. Dinámica estacional de la biomasa microbiana y actividades enzimáticas en suelos agrícolas mediterráneos: manejo convencional vs. ecológico. *Revista de Ciências Agrárias*. 45-4.

C.2. Conferences and meetings

- 1 Daniel Sacristán; German Alejandro Durán; Edelweis Farrús; Jaume Vadell. Evaluating soil enzyme activities of different representative Mediterranean agricultural soils of the island of Mallorca (SPAIN) under different management practices. *EUROSOIL 2021 Virtual Congress*. European Confederation of Soil Science Societies. 2021. Switzerland.
- 2 Alejandro Durán; Daniel Sacristán; Jaume Vadell; Paula Sancho; Josep Roselló. Efecto de diferentes sistemas de fertilización orgánica sobre la disponibilidad de nitrógeno en viña (*Vitis vinifera* L.) de las Illes Balears. *XXVII Jornadas Técnicas de SEAE. VI Congreso Valenciano de Agricultura Ecológica*. SOCIEDAD ESPAÑOLA DE AGRICULTURA ECOLOGICA (SEAE). 2019. Spain.
- 3 Alejandro Durán; Daniel Sacristán; Jaume Vadell; Paula Sancho; Josep Roselló. Efecto de la fertilización convencional frente a la ecológica sobre la disponibilidad de nitrógeno en viña (*Vitis vinifera* L.) de las Illes Balears. *XXVII Jornadas Técnicas de SEAE. VI Congreso Valenciano de Agricultura Ecológica*. SOCIEDAD ESPAÑOLA DE AGRICULTURA ECOLOGICA (SEAE). 2019. Spain.
- 4 Sacristán, D.. Copper toxicity management in Mediterranean agricultural soils. *European Geoscience Union (EGU) General Assembly*. European Geoscience Union (EGU). 2017. Austria. Participatory - oral communication. Conference.
- 5 Sacristán, D.; Recatalá, L.. Evaluating a soil quality standard for Cd in agricultural Mediterranean soils under a non-accumulator crop. *4th International Congress EUROSOIL 2012: Soil Science for the benefit of mankind and environment (ECSSS)*. European Confederation of Soil Science Societies (ECSSS). 2012. Italy. 'Participatory - poster. Conference.
- 6 Recatalá, L.; Sacristán, D.; Sánchez, J.. Increasing the knowledge on the transference of Zn to an accumulator (*Lactuca sativa* L.) in representative Mediterranean soils. *4th International Congress EUROSOIL 2012: Soil Science for the benefit of mankind and environment (ECSSS)*. European Confederation of Soil Science Societies (ECSSS). 2012. Italy. 'Participatory - poster. Conference.
- 7 Sacristán, D.; Recatalá, L.. Pb toxicity values for a non-accumulator crop in representative agricultural Mediterranean soils. *4th International Congress EUROSOIL 2012: Soil Science for the benefit of mankind and environment (ECSSS)*. European Confederation of Soil Science Societies (ECSSS). 2012. Italy. 'Participatory - poster. Conference.
- 8 Sacristán, D.; Recatalá, L.. Valores de toxicidad de Co para un cultivo acumulador en suelos agrícolas mediterráneos representativos. *V Simposio Nacional sobre Control de la Degradación y Uso Sostenible del Suelo*. Universidad de Murcia. 2011. Spain. Participatory - oral communication. Conference.
- 9 Recatalá, L.; Sacristán, D.; Arbelo, C.; Sánchez, J.. Evaluación de la validez de valores de referencia de metales pesados. Ensayos con Zn en suelos agrícolas mediterráneos representativos bajo un cultivo acumulador.. *IV Congreso Ibérico de la Ciencia del Suelo. El suelo: funciones y manejo*. SOCIEDAD ESPAÑOLA DE LA CIENCIA DEL SUELO. 2010. Spain.
- 10 Recatalá, L.; Sánchez, J.; Arbelo, C.; Sacristán, L.. Can be reference values of heavy metals useful as soil quality standards? Contributions from assays in representative Mediterranean agricultural soils.. *19th World Congress of Soil Science*. Australian Society of Soil Science. 2010. Australia. 'Participatory - poster. Conference.

C.3. Research projects and contracts

- 1 **Project.** PID2020-118503RB-C22, Fertilización fosfatada para una agricultura sostenible (FosCiFer) (proyecto coordinado: UCO - US). María del Carmen del Campillo García. (Universidad de Córdoba). 01/10/2021-01/10/2024.
- 2 **Project.** Diseño e Implantación de Estrategias de Control frente a Xylella fastidiosa. Conselleria de Medi Ambient, Agricultura i Pesca. Juan Antonio Navas Cortés. (Instituto de Agricultura Sostenible). 06/2019-06/2022.
- 3 **Project.** AGL2014-57835-C2-2-R, Manejo Integrado del fósforo y el cinc en suelos de áreas mediterráneas (MINTEFOCIN) (proyecto coordinado Universidad de Córdoba - Universidad de Sevilla). Ministerio de Economía, Industria y Productividad. Maria del Carmen del Campillo Garcia. (Universidad de Córdoba). 06/2015-06/2018. Team member. Investigador Postdoctoral
- 4 **Project.** UV-INV-AE13-142412, Fitorremediación en suelos agrícolas mediterráneos mediante alfalfa para la producción de biomasa con fine energéticos y mediante romero y tomillo para la producción de aceites esenciales (FISMED). Universitat de València. Luis Recatalá Boix. (Universitat de València). 01/2013-12/2013. Team member.
- 5 **Project.** UV-INV-AE12-66228, Gestión de espacios afectados por la degradación química del suelo (salinización y contaminación) mediante producción de biomasa con fines energéticos en el ámbito mediterráneo (GESBEMED). Luis Recatalá Boix. (Universitat de València). 01/2012-12/2012. Team member.
- 6 **Project.** CGL-2006-05596, Ensayo de concentraciones de referencia para metales pesados (Cd, Cu, Pb y Zn) en suelos agrícolas representativos bajo cultivos hortícolas controlados (CORESMED II). (Universitat de València). 06/2006-12/2009. Team member.
- 7 **Project.** HORIZON-MISS-2023-SOIL-01-08: Governance and business models for living labs: rural regeneration hubs for tackling soil health challenges in the Mediterranean region (GOV4LL). Comisión Europea. (Universitat de València). From 01/06/2024. 11.953.115 €.
- 8 **Project.** Horizon-CL6-2022-Farm2Fork-01-09: Unravelling the potential of the wheat microbiome for the development of healthier, more sustainable and resilient wheat-derived food & feed products. Comisión Europea. (University of Valencia). From 01/09/2022. 5.063.721 €.
- 9 **Project.** Influencia del manejo agrícola sobre la biodiversidad, el funcionamiento y la salud de los suelos mediterráneos - SOILBIO. Fundación Biodiversidad. (University of Valencia). From 01/09/2022. 382.000 €.