



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

21/06/2023

First name	Luis Gonzaga		
Family name	Santesteban García		
Gender (*)			
Social Security, Passport, ID number			
e-mail		URL Web	
Open Research and Contributor ID (ORCID)(*)			

(*) Mandatory

A.1. Current position

Position	Catedrático de Universidad		
Initial date	2.022		
Institution	Universidad Pública de Navarra		
Departament/Center	Institute for Multidisciplinary Research in Applied Biology		
Country	Spain	Teleph. number	
Key words	Viticulture, water relations, plant material, cover crops, precision viticulture		

A.2. Previous positions (research activity interruptions, art. 45.2.c))

Period	Position/Institution/Country/Interruption cause
1999-2006	Profesor Ayudante – Ayudante Dr , UPNA, Spain
2007-2010	Profesor Contratado Doctor, UPNA, Spain
2010-2022	Profesor Titular de Universidad, UPNA, Spain

A.3. Education

PhD, Licensed, Graduate	University/Country	Year
Agronomic Engineering	UPNA, Spain	1998
Master in Viticulture and Oenology	EVENA, Spain	2001
Dr. Agron. Engineer.	UPNA, Spain	2003
Licensed in English Phylogeny	UNED, Spain	2010

Part B. CV SUMMARY *(max. 5000 characters, including spaces)*

Gonzaga Santesteban (48 years old) is the Director of the Department of Agronomy, Biotechnology and Food at the Public University of Navarra, where he has worked as a Full Professor (TU) since 2010. He has been awarded 3 six-year research periods for his research activity and 1 transfer period. He has recently been positively evaluated as University Professor (CU). His research career began in 1998 with the award of a PhD grant by the Government of Navarra to evaluate how irrigation management could affect the yield and composition of grapes in the vineyard.

His teaching activity covers more than 20 years of experience, including general and specific subjects in undergraduate and postgraduate studies in Agronomic Engineering. He has directed more than 90 Final Degree Projects, and is currently the Academic Director of the Inter-University Master's Degree in Innovative Oenology (UPV-EHU/UPNA). He frequently acts as an external lecturer in various Master's degree courses at several national universities, and has also taught at Montpellier SupAgro.

Regarding research activities, Gonzaga is integrated in the Institute for Multidisciplinary Research in Applied Biology (IMAB), leading the research group "Advanced Fruit and Viticulture". At national level, he has participated in 12 Research Projects of the State Plan and the former INIA, being the PI of AGL2011-30408-C04-03, being also the coordinator of the Network of Excellence in Viticulture (AGL2015-70931-REDT). At regional level, he has been PI of 8 research projects. At international level, he has participated in several European projects, being currently the coordinator of the consortium of the VITES QUALITAS project (EFA 324/19). He has acted as representative of the Ministry in the Management Committee of the COST Action - CA17111 (2 representatives/country), member of the European Commission EIC-Agri Focus Group "Pests and Diseases in Grapevine" and member of the External Advisory Board of the LIFE-ADVICLIM project.

The transfer activity of Gonzaga and his team is very active, as a very significant part of the group's research is carried out in collaboration with private companies, sometimes in joint research projects or, very often, through specific contracts (art. 83 modality) with companies. As an example, in the last 5 years it has participated in +40 contracts, for a total amount of +250 k€, being the PI of most of them. As a result of these research activities, Gonzaga has co-authored 76 indexed articles, contributed with +80 communications in national and international conferences. Part of these results are frequently transferred to the wine sector, where Gonzaga participates as a speaker >10 times a year. The transfer activities are completed with a very active twitter profile @ViticulturaUPNA and the monthly broadcast of the podcast La Filoxera, dedicated to the dissemination of viticulture.

Gonzaga collaborates very actively in evaluation activities. Regarding the latter, he acts since 2020 as a Manager with the State Research Agency (AEI, CAA-AYF area, 2020-2022), currently as Coordinator for the CAA-AYF area, 2022-) collaborates with national evaluation agencies from 5 countries, and has been a full member of the Evaluation Committee of the EC H2020 Call "SFS-05-2017 Robotics Advances on Precision Farming" and is currently in the Monitoring Committee of one of the funded projects. In terms of networking activities, at national level he has been president of the Viticulture Section of SECH (Spanish Society of Horticultural Sciences, 2012-2016) and SECH Publications Delegate (2014-2016) for this Society. At the international level, he is an active member of the International Viticulture and Enology Society (IVES), belonging to the editorial boards of the scientific (OenoOne) and transfer (Ives-TechnicalReviews) journals.

Part C. RELEVANT MERITS (sorted by typology)

C.1. Publications (see instructions)

1. Abad, F. J., Marín, D., Imbert, B., Virto, I., Garbisu, C., & **Santesteban, L. G.** (2023). Under-vine cover crops: Impact on physical and biological soil proprieties in an irrigated Mediterranean vineyard. *Scientia Horticulturae*, 311, 111797.
2. Crespo-Martínez, S., Ramírez-Lacunza, A., Miranda, C., Urrestarazu, J., & **Santesteban, L. G.** (2023). Dynamics of GFLV, GFkV, GLRaV-1, and GLRaV-3 grapevine viruses transport toward developing tissues. *European Journal of Plant Pathology*, 1-9.
3. **Santesteban, L. G.**, Rekarte, I., Torres, N., Galar, M., Villa-Llop, A., Visconti, F., ... & Miranda, C. (2023). The role of rootstocks for grape growing adaptation to climate change. Meta-analysis of the research conducted in Spanish viticulture. *OENO One*, 57(2), 283-290.
4. Miranda, C.; Urrestarazu, J.; **Santesteban, L.G.**; 2020. fruclimadapt: An R package for climate adaptation assessment of temperate fruit species. *Computers and Electronics in Agriculture*. 180. p. 105879 – 105879
5. Abad-Zamora, F.J.; Marín-Ederra, D.; Loidi-Erviti, M.; Miranda-Jiménez, C.; Royo-Díaz, J.B.; Urrestarazu-Vidart, J.; **Santesteban, L.G.**; 2019. Evaluation of the incidence of severe trimming on grapevine (*Vitis vinifera* L.) water consumption. *Agricultural Water Management*. 213. p. 646 – 653
6. **Santesteban, L.G.**; Miranda, C.; Marín, D.; [...] Royo, J.B.; 2019. Discrimination ability of leaf and stem water potential at different times of the day through a meta-analysis in grapevine (*Vitis vinifera* L.). *Agricultural Water Management*. 221. p. 202 – 210
7. **Santesteban, L.G.**, Di Gennaro, S.F., Herrero-Langreo, A., Miranda, C., Royo, J.B., Matese, A.; 2017. High-resolution UAV-based thermal imaging to estimate the instantaneous and seasonal variability of plant water status within a vineyard. *Agricultural Water Management*. 183. p. 49 – 59
8. Martínez, L.; Miranda, C.; Royo, J. B.; Martínez de Toda, F.; Balda, P.; **Santesteban, L.G.**; 2016. Direct and indirect effects of three virus infections on yield and berry composition in grapevine (*Vitis vinifera* L.) cv. 'Tempranillo'. *Scientia Horticulturae*. 212. p. 20 – 28
9. Urretavizcaya, I.; Royo, J.B.; Miranda, C.; Tisseyre, B.; Guillaume, S.; **Santesteban, L.G.**; 2016. Relevance of sink-size estimation for within-field zone delineation in vineyards. *Precision Agriculture*. p. 1 – 12
10. **Santesteban, L.G.**; Miranda, C.; Barbarin, I.; Royo, J.B.; 2015. Application of the measurement of the natural abundance of stable isotopes in viticulture: *Australian Journal of Grape and Wine Research*. 21. p. 157 – 167

C.2. Congress

Oral contributions in +40 national and international congresses. As most relevant, invited final talk in In Vino Scientia Analytica 2017 and Keynote Speaker in Terclim 2022

C.3. Research projects

a) European

- POCTEFA EFA 324/19. VITES QUALITAS "Efectos de las técnicas de poda e injertado sobre la viabilidad y la longevidad del viñedo". Comisión Europea. . 3ª CONVOCATORIA INTERREG V POCTEFA. 01/12/2019 - 31/05/2022. 240.045 €. Principal Investigator
- AQUITANIA_EUSKADI_NAVARRA. "TOKI-POMMES" Variedades autóctonas de manzana: fuente de oportunidades en la Eurorregión. Aquitania Euskadi Navarra 2018 . 20/12/2018 - 30/11/2020. 11130 €. Principal Investigator.

- COST CA17111. Data Integration to maximise the power of omics for grapevine improvement. European Commission. 13/04/2018 - 12/04/2022. National Representative
- LIFE13 ENV/FR/001512. Life ADVICLIM - ADapatacion of VIticulture to CLIMate change High resolution observations of adaptation scenarii for viticulture. Comisión Europea. 01/07/2014 - 29/02/2020. External monitoring board

b) National

- AGL2015-70931-REDT. Red de investigación en Viticultura.. Ministerio de Economía y Competitividad.. Subprograma Estatal de Generación de Conocimiento 2015. 01/12/2015 - 30/11/2017. 42000 €. Principal Investigator
- AGL2011-30408-C04-03. Contribución del suelo, el clima y la gestión del riego en los balances del agua y carbono en viña. Ministerio de Ciencia e Innovación. 01/01/2012 - 30/06/2015. 108900 €. Principal investigator.

c) Regional

- 210190008. Estrategias de cultivo para la restauración, preservación y mejora de los ecosistemas relacionados con la viticultura. VIÑASOSTENIBLE. Gobierno de Navarra.. 13/05/2020 - 31/12/2021. 93051 €. Principal investigator
- 0011-1365-2017-000138. Vinos tintos y moscatel de "terroirs" singulares con alta tipicidad y calidad diferenciada - VINOPAGO. Gobierno de Navarra- 01/07/2017 - 30/04/2019. 94319 €. Principal investigator

C.4. Contracts, technological or transfer merits

“Sexenio de transferencia” (transfer 6-yr period merits) in the first call (Period 2013-2018)

Contracts (Principal Investigator in all)

1. Evaluación del potencial del material vegetal local de la zona de Fuentenebro para la reducción del pH de los vinos de la Ribera del Duero. Hoyada de los Lobos S.L.U.. 21/07/2021 - 31/08/2024. 45.000 €.
2. Evaluación de estrategias para la reducción del pH de los vinos en La Rioja. Bodegas Roda, S.A. 21/07/2021 - 31/08/2024. 56.000 €.
3. Evaluación del potencial de biotipos de la variedad Tempranillo de Vitis Navarra y de la serie de portainjertos RG para la reducción del pH. VITIS NAVARRA 13/07/2021 - 31/08/2024. 57.500 €.
4. Modelización del comportamiento del Sauvignon blanc en una zona muy fría: Respuesta a distintos niveles de carga y estrategias de mantenimiento del suelo. Viñedos Barón de Ley, S.L. 03/07/2018 - 19/02/2022. 58.000 €.
5. Desarrollo de modelos predictivos incorporables a la plataforma de gestión vitícola. Seresco. . . 01/10/2016 - 30/09/2019. 45.000 €.
6. Actuaciones agronómicas sobre el proceso de maduración de la uva para reducir el grado alcohólico del vino. Bodegas Palacios Remondo S.A.. 31/10/2019 - 31/10/2023. 18.000 €.
7. Puesta en marcha de un procedimiento de seguimiento viñedo en 100 ha de viñedo de Viñedos La Rioja Alta, S.L basado en la toma de datos en Puntos de Seguimiento Detallado (PSD). Viñedos La Rioja Alta S.L..01/06/2018 - 30/04/2020. 31.500 €.
8. Evaluación de acciones para el endurecimiento de los hollejos en la variedad Tempranillo. Viñedos Barón de Ley, S.L.. 06/07/2020 - 19/02/2022. 10.000 €.
9. Colaboración Científico-Técnica en el Proyecto Viñadiversidad. BODEGAS OSTATU S.L. 01/09/2020 - 31/12/2021. 19.000 €.
10. Determinación de las prácticas de cultivo que permitirán la obtención de uvas con mayor aptitud para la elaboración de zumo de uva. Bodegas Vega del Castillo, S. Coop.. 01/06/2020 - 31/03/2022. 11.500 €.