



## 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 06/09/2022

First name	Juan Bautista		
Family name	Alvarez Cabello		
Gender (*)	Male	Birth date (dd/mm/yyyy)	
Social Security, Passport, ID number			
e-mail		URL Web	
Open Researcher and Contributor ID (ORCID) (*)	0000-0002-7036-1317		

(\*) Mandatory

#### A.1. Current position

Position	Catedrático de Universidad (Full profesor)		
Initial date	05/10/2016		
Institution	Universidad de Cordoba		
Department/Center	Departamento de Genética / Escuela Técnica Superior de Ingeniería Agronómica y de Montes		
Country	Spain	Teleph. number	957218505
Key words	Cereal quality breeding; Plant genetic resources; Interspecific hybridization; wheat; <i>Aegilops</i> sp.		

#### A.2. Previous positions (research activity interruptions, art. 14.2.b))

Period	Position/Institution/Country/Interruption cause
2007 - 2016	Profesor Titular de Universidad / Universidad de Córdoba / Spain
2005 - 2007	Profesor Contratado Doctor / Universidad de Córdoba / Spain
2001 - 2005	Contratado Programa «Ramón y Cajal» / Universidad de Córdoba / Spain

#### A.3. Education

PhD, Licensed, Graduate	University/Country	Year
Ph.D. in Genetics	Universidad de Córdoba / Spain	1993
Licensed in Science (Biological Science)	Universidad de Córdoba / Spain	1989

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

**Number of sexennial** (six-year periods of approved productivity): 5

**Date of the last sexennial approved:** 2019

**Number of PhD thesis in the last 10 years:** 3

**H-index:** 20 with a total of 1252 citations, for 88 manuscripts in Journal with impact factors, 38 manuscripts are in Q1 (first in 11; corresponding or last author in 21).

I am currently Full Professor [Catedrático] of Genetics and Plant Breeding in the Department of Genetics, School of Agricultural and Forestry Engineering at University of Cordoba (Spain). I received the Biological Sciences degree and the Ph.D. degree (summa cum laude) from the University of Cordoba (Spain), in 1989 and 1993, respectively.

During 1995-96, I carried out a postdoctoral stay at the Università della Tuscia (Italy) on molecular aspects of wheat grain reserve proteins. I returned to the UCO with a contract of the Incorporation Programme of the Spanish Ministry of Education and Science (MEC) in

1997, and, in 2001, I obtained a contract of the «Ramón y Cajal» Programme (Conv 2001), being my research activity was worthy of the favourable report within the I3 Programme of the MEC in 2005. In December 2005, I was appointed Associated Professor [Profesor Contratado Doctor] in University of Cordoba, and two years later, in October 2007, I became a Full Professor [Profesor Titular]. Finally, in October 2016, I obtained the actual position.

I have supervised 6 projects of the National/State Programme of R&D and participated in other four. Also, I have participated in several projects financed by Ibero-American Cooperation Institute [2], Junta de Andalucía [5], and Spanish Agency of International Cooperation for Development (AECID) [5]. I have also participated in 11 R&D contracts with companies, supervising three of them.

Along my research activity, I have developed 172 publications on evaluation, characterization and use of agricultural and forestry genetic resources, distributed in: 88 papers indexed in the Science Citation Index [38 Q1 [23 D1], 28 Q2 y 22 Q3/Q4], along with 22 in non-SCI international journals, 19 book chapters, and 43 in Congress proceedings. And it has presented 96 Congresses communications: 39 International and 57 National.

I have supervised 10 PhD Thesis (one of them in progress), 5 Master Thesis, 6 Graduate Biological Science Thesis, and 13 Bachelor Thesis of Agronomy, Forestry and Biological Science. Furthermore, I have supervised four predoctoral fellows: two of FPI programme, one of FPU programme and one of ITAIPU Foundation (Paraguay).

## Part C. RELEVANT MERITS (sorted by typology)

### C.1. Publications

1. A.B. Huertas-García; L. Castellano; C. Guzmán; J.B. Alvarez (AC). (4/4). 2021. Potential of wild einkorn wheat for wheat quality improvement: evaluation and characterization of *Glu-1*, *Wx* and *Ha* loci. *Agronomy*, 11, 816. ISSN 2073-4395. <https://doi.org/10.3390/agronomy11050816>
2. J.B. Alvarez (AC); L. Castellano; A.B. Huertas-García; C. Guzmán. (1/4). 2021. Molecular characterization of five novel *Wx-A1* alleles in common wheat including one silent allele by transposon insertion. *Plant Science*, 305, 110843. ISSN 0168-9452. <https://doi.org/10.1016/j.plantsci.2021.110843>
3. A. Cabrera; L. Castellano; R. Recio; J.B. Alvarez (AC). (4/4). 2019. Chromosomal location and molecular characterization of three grain hardness genes in *Agropyron cristatum*. *Euphytica*, 215, 165. ISSN 1573-5060. <https://doi.org/10.1007/s10681-019-2496-0>
4. J.B. Alvarez (AC); C. Guzmán. (1/2). 2019. Recovery of wheat heritage for traditional food: genetic variation for high molecular weight glutenin subunits in neglected/underutilized wheat. *Agronomy*, 9, 755. ISSN 2073-4395. <https://doi.org/10.3390/agronomy9110755>
5. J.B. Alvarez (AC); L. Castellano; R. Recio; A. Cabrera. (1/4). 2019. *Wx* gene in *Hordeum chilense*: chromosomal location and characterization of the allelic variation in the two main ecotypes of the species *Agronomy*, 9, 261. ISSN 2073-4395. <https://doi.org/10.3390/agronomy9050261>
6. J.B. Alvarez (AC); C. Guzmán. (1/2). 2018. Interspecific and intergeneric hybridization as a source of variation for wheat grain quality improvement *Theoretical and Applied Genetics*, 131, 225-251. ISSN 0040-5752. <https://doi.org/10.1007/s00122-017-3042-x>
7. S. Cuesta; J.B. Alvarez (AC); C. Guzmán. (2/3). 2017. Identification and molecular characterization of novel LMW-m and -s glutenin genes, and a chimeric -m/-i glutenin gene in 1A chromosome of three diploid *Triticum* species. *Journal of Cereal Science*, 74, 46-55. ISSN 0733-5210. <https://doi.org/10.1016/j.jcs.2017.01.010>
8. M. Ayala; C. Guzmán; R.J. Peña; J.B. Alvarez (AC). (4/4). 2016. Diversity of phenotypic (plant and grain morphological) and genotypic (glutenin alleles in *Glu-1* and *Glu-3* loci) traits of wheat landraces (*Triticum aestivum*) from Andalusia (Southern Spain). *Genetic Resources and Crop Evolution*, 63, 465-475. ISSN 0925-9864. <https://doi.org/10.1007/s10722-015-0264-0>
9. M. Ayala; C. Guzmán; R.J. Peña; J.B. Alvarez (AC). (4/4). 2016. Genetic diversity and molecular characterization of puroindoline genes (*Pina-D1* and *Pinb-D1*) in bread wheat

landraces from Andalusia (Southern Spain). *Journal of Cereal Science*, 71, 61-65. ISSN 0733-5210. <https://doi.org/10.1016/j.jcs.2016.07.017>

10. C. Guzmán; J.B. Alvarez. (2/2). 2016. Wheat waxy proteins: polymorphism, molecular characterization and effects on starch properties. *Theoretical and Applied Genetics*, 129, 1-16. ISSN 0040-5752. <https://doi.org/10.1007/s00122-015-2595-9>

## C.2. Congress

1. A.B. Huertas-García, J.B. Alvarez, C. Guzmán. Variabilidad de las proteínas waxy en trigo espelta. XLII Congreso de la Sociedad Española de Genética. Online (España). 14-18 junio 2021. Poster.
2. A.B. Huertas-García, J.B. Alvarez, C. Guzmán. Variabilidad de las proteínas waxy en trigo emmer y espelta. IX Congreso Científico de Investigadores en Formación de la Universidad de Córdoba y eidA3. Córdoba (España). 3-6 mayo 2021. Poster
3. S. Cuesta, J.B. Alvarez, C. Guzmán. Caracterización molecular de nuevos genes de LMWG -m y -s en especies diploides del género *Triticum*. XL Congreso de la Sociedad Española de Genética - Córdoba 2015. Córdoba (España). 16-18 septiembre 2015. Poster.
4. M. Ayala, C. Guzmán, R.J. Peña, J.B. Alvarez. Diversidad genética para puroindolinas en trigos andaluces. XL Congreso de la Sociedad Española de Genética - Córdoba 2015. Córdoba (España). 16-18 septiembre 2015. Comunicación oral.
5. R. Ortega, J.B. Alvarez, C. Guzmán. Diversidad alélica y caracterización del gen *Wx* en especies diploides del género *Aegilops*. VI Congreso de Mejora Genética de Plantas. Gijón-2012. Gijón (España). 11-13 septiembre 2012. Poster.
6. M. Ayala, C. Guzmán, R.J. Peña, J.B. Alvarez. Diversidad genética para puroindolinas en trigos criollos mexicanos. VI Congreso de Mejora Genética de Plantas. Gijón-2012. Gijón (España). 11-13 septiembre 2012. Poster.
7. S. Cuesta, C. Guzmán, J.B. Alvarez. Variabilidad y caracterización de puroindolinas en especies diploides del género *Aegilops*. VI Congreso de Mejora Genética de Plantas. Gijón-2012. Gijón (España). 11-13 septiembre 2012. Poster.

## C.3. Research projects

(Code, Project title. Funding entity. PI name. Start-End date. Total amount. Type of participation).

1. P20-00426, Desarrollo de variedades de trigo duro para la obtención de sémolas/pastas con alto contenido en fibra dietética. Consejería de Economía, Innovación, Ciencia y Empleo. Junta de Andalucía. Carlos Guzmán García (Universidad de Córdoba). 01/10/2021- 21/12/2022. 90.000 €. Researcher
2. RTI2018-093367-B-I00, Caracterización y uso de especies de la tribu Triticeae en la mejora genética del trigo. Agencia Estatal de Investigación. Juan Bautista Alvarez Cabello / Adoración Cabrera Caballero. (Universidad de Córdoba). 01/01/2019-30/09/2022. 157.300 €. Principal Researcher.
3. AGL2014-52445-R, Caracterización y uso de especies de la tribu Triticeae en la mejora genética del trigo. Ministerio de Economía, Industria y Competitividad. Juan Bautista Alvarez Cabello. (Universidad de Córdoba). 01/01/2015-31/12/2018. 163.350 €. Principal Researcher.
4. P11-AGR-7920, Caracterización de nuevas variantes alélicas de prolaminas en Triticeae: potencial para la selección de variedades no tóxicas para celíacos y su introgresión en variedades cultivadas. Consejería de Economía, Innovación, Ciencia y Empleo. Junta de Andalucía. Francisco Barro Losada (Instituto de Agricultura Sostenible-CSIC). 16/05/2013 - 15/05/2016. 214.222 €. Researcher
5. AGL2010-19643-CO2-01, Mejora genética de la calidad en cereales: caracterización molecular y utilización de recursos genéticos. Ministerio de Ciencia e Innovación. Juan Bautista Alvarez Cabello. (Universidad de Córdoba). 01/01/2011-31/05/2014. 133.100 €. Principal Researcher.

#### C.4. Contracts, technological or transfer merits

(Code, Project title. Funding entity. PI name. Start-End date. Total amount. Type of participation).

1. 12021006, Generación de líneas de trigo duro con sémolas de alto color amarillo. Agrovegetal, S.A. Carlos Guzmán García (Universidad de Córdoba). 01/01/2021-31/12/2023. 20.000 €. Researcher

#### C.5 PhD Thesis supervised.

1. Susana Cuesta Ureña. Caracterización de la variación para los loci *Glu-3* y *Ha* en especies diploides de los géneros *Aegilops* y *Triticum*. 18/12/2015. Summa cum laude. N. publications: 5
2. Marcela Beatriz Ayala Benítez. Caracterización molecular de variantes alélicas para los loci *Glu-1*, *Wx* y *Ha* en especies de trigo hexaploide abandonadas o infrutilizadas. 4/12/2015. Summa cum laude. N. publications: 4
3. Ana Belen Huertas García. Caracterización de recursos genéticos de trigo para la mejora genética de la calidad de grano. In progress

#### C.6. Evaluation of R&D projects

1. National Evaluation and Foresight Agency [Agencia Nacional de Evaluación y Prospectiva - ANEP]. Date: 2008, 2010, 2011, 2012, 2015, 2016.
2. Agency for the Quality of the University System from Castilla y León [Agencia para la Calidad del Sistema Universitario de Castilla y León. Date: 2010, 2011, 2013, 2017.
3. Valencia Evaluation and Foresight Agency [Agencia Valenciana de Evaluación y Prospectiva - Agència Valenciana d'Avaluació i Prospectiva - AVAP]. Date: 2012, 2013, 2014, 2015, 2016, 2018, 2021.
4. French National Research Agency [Agence Nationale de la Recherche]. Date: 2018

#### C.7. Revision of scientific articles

I performed 329 reviews for 71 different scientific journals; placing in the 98<sup>th</sup> percentile for verified review contributions on Publons up until December 2021 [<https://publons.com/a/1471284>].

In September 2018 and September 2019, I received one award as 'top reviewer' in Agriculture Science by Publons.

#### C.8. Scientific, technical and/or assessment committees

1. Technical committee of evaluation «Pruebas de concepto» program (Conv. 2021 – AyF) [Comité técnico de evaluación de la convocatoria «Pruebas de concepto» (Conv. 2021 – AyF). National Evaluation and Foresight Agency [Agencia Nacional de Evaluación y Prospectiva]. Date: July 2021
2. Technical committee of evaluation «Plan de Empleo Joven» program (Conv. 2018) [Comité técnico de evaluación del programa «Plan de Empleo Joven» (Conv. 2018). National Evaluation and Foresight Agency [Agencia Nacional de Evaluación y Prospectiva]. Date: December 2018
3. Technical committee of evaluation «Juan de la Cierva»-Formación and Incorporación programmes (Conv. 2015 – Agriculture) [Comité técnico de evaluación de los programas de Formación e Incorporación «Juan de la Cierva» (Conv. 2015 - Agricultura). National Evaluation and Foresight Agency [Agencia Nacional de Evaluación y Prospectiva]. Date: May 2016