Part A. Personal Information

DATE	04/08/2021

Surname(s)	Velasco	
Forename	Pablo	
ID number	35.312.887K	
Sex	Male	
Age	49	
Researcher codes	WoS Researcher ID *(*)*	C-3902-2012
	SCOPUS Author ID*(*)*	7006831990
	Open Researcher and Contributor ID (ORCID)	0000-0003-3046-8918

(*) At least one of these is mandatory

A.1. Current position

Post/ Professional Category	Tenure Scientist	
UNESCO Code	3103	
Key Words	Brassica, Plant Breeding, Metabolomics, stress	
Name of the University/Institution		
	Department/Centre	Misión Biológica de Galicia
	Full Address	Carballeira, 8 – 36143, Salcedo, Pontevedra
	Email Address	pvelasco@mbg.csic.es
	Phone Number	+34 986854800
Start date	01/06/2005	

A.2. Education *(title, institution, date)*

Year	*University*	*Degree*	*Title*
1992	*Santiago de compostela*	*First degree*	*Grade in Biology*
1997	*Lleida*	*Masters (if appropriate)*	*Plant Breeding*
1999	*Santiago de Compostela*	*PhD*	*Biological Sciences*

A.3. Indicators of Quality in Scientific Production *(See the instructions)*

a) Total number of citations: 2795, 2215 excluding self-citations of all authors.
Average number of citations in 5 years (excluding 2021): 270
b) Number of publications: 90 Q1: 50; in D1: 15
c) H index: 25
d) Thesis supervised: 2
e) Master supervised: 3
e) Sexenios: 3/3

Part B. Free Summary of CV *(Max. of 3.500 characters, including spaces)*

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My research career focuses on the genetic improvement of horticultural brassicas and begins with the completion of my Doctoral Thesis at the Biological Mission of Galicia (MBG-CSIC). After a postdoctoral stay at Oregon State University, in 2003 I joined the incipient group of Brassica Breeding as Ramón y Cajal Researcher and in 2005 I obtained a permanent position in the MBG as Tenured Scientist. My collaboration was fundamental to consolidate the research group up to present Genetics, Breeding and Biochemistry of Brassicas. From the beginning, my research was related to the identification and

analysis of secondary metabolites (mainly glucosinolates) and their relationship with biotic stresses and adaptation. The identification and role of metabolites under different stresses (basically abiotic) is my current line of research, which has led me to the acquisition of a metabolomics equipment with which I deepen in the study of secondary metabolism. I have published 74 SCI articles and I present an index h = 19, with 1686 citations. In addition, I have published several non-SCI scientific articles, 8 book chapters, 2 books or monographs and more than 50 publications in congresses and popular journals. I have participated in 20 research projects of which I have been a principal investigator in 7 of them and in 5 contracts with companies. I have actively participated in outreach programs and in the training of personnel, contributing to the training of research and technical personnel, directing Doctoral Theses, Master Thesis and Bachelor Thesis and supervising final degree projects and Degree projects. I have made a notorious effort in internationalization collaborating with foreign groups with which we have requested a European project that was finally not funded despite being rated favorably in both phases. I have also developed research management functions as a member of the ANEP evaluation committee in different calls and in scientific commissions from other countries such as Norway, Croatia or Romania. Finally, during this year I have been Convener and member of the Scientific and Organizing Committees of the VII International Symposium on Brassica, sponsored by the ISHS.

Part C. Relevant accomplishments

C.1. Publications

1. Tortosa, M, ME Cartea, VM Rodríguez**, P Velasco**. 2018. Unraveling the metabolomic response of Brassica oleracea exposed to Xanthomonas campestris pv campestris. Journal of the Science of Food and Agriculture, DOI : 10.1002/jsfa.8876.

2. Peters, K, A Worrich, A Weinhold, O Alka, G Balcke, C Birkemeyer, H Bruelheide, OW Calf, S Dietz, K Dührkop, E Gaquerel, U Heinig, M Kücklich, M Macel, C Müller, Y Poeschl, G Pohnert, C Ristok, VM Rodríguez, Christoph Ruttkies, M Schuman, R Schweiger, N Shahaf, C Steinbeck, M Tortosa, H Treutler, N Ueberschaar, **P Velasco**, BM Weiß, A Widdig, Steffen Neumann and NM van Dam. 2018. Current Challenges in Plant Eco-Metabolomics. International Journal of Molecular Sciences, 19, 1385. Doi:10.3390/ijms19051385.

3. Rodríguez, VM**,** P Soengas, V Alonso-Villaverde, T Sotelo, ME Cartea, **P Velasco**. 2015. Effect of temperature stress on the early vegetative development of Brassica oleracea L. BMC Plant Biology, 15: 145. DOI 10.1186/s12870-015-0535-0. **IF: 3.813**

4. Sotelo, T, M Lema, P Soengas, ME Cartea, **P Velasco**. 2015. In vitro activity of glucosinolates and their degradation products against Brassica pathogenic bacteria and fungi. Applied and Environmental Microbiology, 81: 432-440. DOI: 10.1128/AEM.03142-14. **IF: 3.668**

5. Sotelo, T, P Soengas, **P Velasco**, VM Rodríguez, ME Cartea. 2014. Identification of Metabolic QTLs and Candidate Genes for Glucosinolate Synthesis in Brassica oleracea Leaves, Seeds and Flower Buds. Plos One, 9: e91428. Doi:10.1371/journal.pone.0091428. **IF: 3.234**

6. Velasco, P, M Lema, M Francisco, P Soengas and ME Cartea. 2013. In vivo and in vitro effects of secondary metabolites against Xanthomonas campestris pv. campestris. Molecules, 18: 11131-11143. **IF: 2.095**

7. Rodriguez, VM, **P Velasco**, JL Garrido, P Revilla, A Ordas, A Butron. 2013. Genetic regulation of cold-induced albinism in the maize inbred line A661. Journal of Experimental Botany, 64: 3657-3667; Doi: 10.1093/jxb/ert189. **IF: 5.794**

8. Cartea, ME, A de Haro, P Soengas, S Obregon, **P Velasco**. 2012. Glucosinolate variation in leaves of Brassica rapa crops. Plant Foods for Human Nutrition, 67: 283-288. DOI: 10.1007/s11130-012-0300-6. **IF: 2.358**

9. Francisco, M, ME Cartea, AM Butron, T Sotelo, **P Velasco**. 2012. Environmental and genetic effects on yield and secondary metabolite production in Brassica rapa crops. Journal of Agricultural and Food Chemistry, 60: 5507-5514. DOI 10.1021/jf301070q. **IF: 2.906**

10. Soengas, P, ME Cartea, M Francisco, T Sotelo, **P Velasco**. 2012. New insights into antioxidant activity of Brassica crops. Food Chemistry, 134: 725-733. DOI 10.1016/j.foodchem.2012.02.169. **IF: 3.334**

C.2. Research Projects and Grants

1. Referencia: ITC-20151009
   Título: Potenciación de biomoléculas funcionales en productos alimentarios de origen gallego a través de la investigación agrobiotecnológica (BIOFUNCIOGAL2015)"
   Entidad financiadora: proyecto CDTI-Consorcio empresas
   Centros de ejecución: csic (misión biológica de galicia e instituto de catálisis y petroleoquímica), universidad de santiago de compostela (aula de productos lácteos), universidad de vigo, fundación ramón domínguez (idi chus de la universidad de santiago de compostela)
   Ayuda concedida total del proyecto: 690.011,40 €
   Duración: desde 2 julio 2015 hasta 31 diciembre 2017

2. Referencia: CSIC13-1E-1764
   Título: Adquisición de un EQUIPO LC-ESI-Q-TOF para la identificación y cuantificación de metabolitos de plantas a gran escala.
   Entidad Financiadora: Ministerio de Economía y Competitividad
   Centro de ejecución: misión biológica de galicia (csic)
   Ayuda concedida: 154.863,54 € (importe total: 233.314, 62 €)
   Duración desde: 2015 hasta: 2015

3. Referencia: AGL2012-35539
   Título: Genética y Mejora de Brásicas hortícolas: papel de los metabolitos secundarios
   Entidad financiadora: Plan Nacional I+D. Ministerio de Economía y Competitividad
   Investigador principal: Elena Cartea González
   Entidad de afiliación: Misión Biológica de Galicia (CSIC)
   Duración: 1 enero 2013 – 31 diciembre 2015
   Ayuda concedida: 200.000 €

4. Referencia: AGL2009-09922
   Título: "Calidad y resistencia a estreses bióticos en los cultivos de brásicas: papel de los metabolitos secundarios
   Entidad financiadora: Plan Nacional I+D. Ministerio de Ciencia e Innovación
   Entidad de afiliación: Misión Biológica de Galicia (CSIC)
   Duración: 1 enero 2010 – 31 diciembre 2012
   Ayuda concedida: 266.200 €

5. Referencia: (NORTHERN VEGS O-3569)
   Título: Effect of northern conditions on health related properties of selected brassica vegetables in Norway
   Entidad financiadora: research council of norway (northern vegs o-3569)
   Duracion desde: 2008 hasta: 2011
   Centro de ejecución: Nofima Mat As (Norway), Norwegian University of Life Sciences (Norway), Norwegian Institute for Agricultural and Environmental Research (Norway), University of California (USA), Institute of Food Research (UK), Misión Biológica de Galicia (CSIC) y Institute of Vegetable and Ornamental Crops (Germany)
6. Referencia: AGL2006-04055
   Título del proyecto: Genética y mejora de los cultivos de brásicas hortícolas
   Entidad financiadora Plan Nacional I+D. Ministerio de Educación y Ciencia
   Entidad de afiliación: Misión Biológica de Galicia (CSIC).
   Duración: 1 octubre 2006 - 30 septiembre 2009
   Ayuda concedida: 174.182 €

C.3. Contracts

1. Título: Caracterización de recursos agroalimentarios y marinos de Galicia y valoración de su potencial como fuente de salud
   Empresa o entidad: A Rosaleira S.L. Proyecto (INNGAL AGROMARSALUD 2013)
   Entidad de afiliación: Misión Biológica de Galicia (CSIC)
   Duración: 5 de abril de 2013- diciembre 2014

2. Título del proyecto: Estudo varietal do grelo
   Empresa o entidad: Conservas A Rosaleira S.L.
   Entidad de afiliación: Misión Biológica de Galicia (CSIC)
   Duración: diciembre 2010 – diciembre de 2013
3. Título del proyecto: Análisis y determinación de compuestos glucosinolatos
   Empresa o entidad: Institute of Plant, Animal and Agroecosystem Sciences, ETH, Zürich
   Entidad de afiliación: Misión Biológica de Galicia (CSIC)
   Duración: 2010-2011
4. Título: Potencial del cultivo de nabicol como biodiesel
   Empresa o entidad: Excma. Diputación Provincial de Pontevedra
   Entidad de afiliación: Misión Biológica de Galicia (CSIC).
   Duración: 11 abril 2007 – 10 abril 2009

C.4. Patents and other IPR

1. Col repollo: Brassica oleracea L. convar. capitata L. alef. var. alba DC
   Denominación varietal: Bergantiños
   Registro: Oficina Española de Variedades Vegetales
   Nº registro: 20080282
   Fecha: 29/11/2011
2. Col repollo: Brassica oleracea
   Denominación varietal: Coube de Ourense
   Registro: Oficina Española de Variedades Vegetales
   Nº registro: 20080285
   Fecha: 29/11/2011
3. Variedad de grelo (Brassica rapa)
   Denominación varietal: “Cimos de Miño”
   Registro de Variedades Comerciales del Ministerio de Medio Ambiente y Medio Rural Marino. BOE número 216/2017, pág. 89070
   Nº registro: 20080283
   Fecha: 08/09/2017
4. Variedad de nabiza (Brassica rapa)
   Denominación varietal: “Ordes”
   Registro de Variedades Comerciales del Ministerio de Medio Ambiente y Medio Rural y Marino. BOE número 216/2017, pág. 89070
   Nº registro: 20080284
   Fecha: 08/09/2017

Other

C.5. Committees

Project Evaluator for: ANEP en 2010-2015, UEFISCDI (Rumanía) en 2011-2013, Forskningsradet (Norway) en 2013-2015, Programa de Formación Postdoctoral (área de Agricultura) en 2013, UTKF (Croatia) en 2017, EQA en 2016-2018

C.6. Stays in International Institutes

2000-2002 (30 meses) Estancia Postdoctoral en la Oregon State University

C.7. Other merits

Convener y miembro de los Comités Científico y Organizador del VII International Symposium on Brassica auspiciado por la International Society for Horticultural Science

Instructions

Important Announcement

Following the Call for Proposals, **ONLY CVS SUBMITTED IN THIS FORMAT WILL BE TAKEN INTO CONSIDERATION**. **CVs presented in other formats WILL BE DISMISSED with no possibilities for modifications.**

GENERAL CONSIDERATIONS

Following the call it is mandatory to use the following format when filling the document: Font Times New Roman / Arial (minimum size 11), single interlineal space, lateral margins of 2.5 cm and top and bottom margins of 1.5 cm.

Max. length of the whole document (Part A, B and C) cannot exceed four pages.

PART A. PERSONAL INFORMATION

Researcher ID is a unique identifier that consists of alphanumeric characters that enable researchers to manage their publication lists, track their times cited counts and h-index, identify potential collaborators and avoid author misidentification. It is hosted by Web of Science.
Access: Web of Science > My Tools > Researcher ID.

Author ID is a unique identifier that consists of alphanumeric characters that enable researchers to manage their publication lists, track their times cited counts and h-index, identify potential collaborators and avoid author misidentification. It is assigned automatically by SCOPUS. You can find an author identifier by running a search for that author. It will appear underneath the author details.
Access: SCOPUS > Author Feedback Wizard> Researcher name.

Open Researcher and Contributor ID (ORCID) provides a persistent digital identifier that distinguishes the researcher from every other person and, through integration in key research workflows such as manuscript and grant submission, supports automated linkages between you and your professional activities ensuring that your work is recognized.
Access: www.orcid.org

A.3. Indicators of Quality in Scientific Production

Please add information on a) total number of citations, average number of citations during the last five years, b) total number of publications in the first quartile (Q1) and first decile (D1), c) h-index, d) thesis supervised, and e) any other indicators that you may consider relevant.

To calculate these values, use default data collected in the Web of Science or Scopus. When this is not possible, other indicators may be used, specifying the reference database.

PART B. FREE SUMMARY OF CV *(Max. of 3.500 characters, including spaces)*

Describe briefly your scientific career, the main scientific-technical achievements, and the mid-to-long term scientific-technical interests and objectives of your research agenda. Indicate any other aspects that you may consider important to understand your career path.

PART C. ACCOMPLISHMENTS (Order by typology)

Given the limitations in number of characters, please mention the most relevant achievements sorted by the typology that best suits your scientific profile. Please be clear and avoid ambiguities.

Use reverse chronological order within each section. Limit your merits over the past 5 years, except for those which have an extraordinary importance for your CV.

C.1. Publications
Include a full review of relevant 5 to 10 publications.

In case of an article, please include authors in order of signature, year of publication, title of the article, name of the journal, volume, start page to end page.
If it's a book or chapter of a book, include its publisher and ISBN also.
If there are many authors, please indicate the total number of signatories and the position of the researcher (total number/ position of researcher) as for example 95/18.

C.2. Participation in Research, Development and Innovation Projects
Indicate the most important projects in which you have participated (maximum 5 to 7 projects), including a) its reference, b) title, c) funding body and call for proposals, d) name of the principal investigator and his/her institution affiliation, e) date of start and end of the project, f) amount of subsidy, and g) your type of participation, e.g.: researcher, principal investigator, European project coordinator, etc..

C.3. Participation in Research, Development and Innovation Contracts
Indicate the most important contracts in which you have participated (maximum 5 to 7 contracts), including a) title, b) company or entity, c) name of principal investigator and his/her institution affiliation, d) date of start and end of the contract, and e) amount of funding.

C.4. Patents
Indicate the most important patents and other intellectual property in which you have collaborated. Give a) the order of signing authors, b) reference, c) title, d) priority countries, e) date, f) holder entity and companies that are exploiting the patents.

C.5, C.6, C.7… Other
By sequential numbering (C.5, C.6, C.7 ...) please include any other achievements that you deem necessary, such as for example: direction of works, participation in assessment or advisory tasks, membership of international committees, management of scientific activity, editorial boards, **scientific awards**, etc.

FINAL CONSIDERATIONS

Please remember that all the submitted achievements must be presented concisely, including dates or periods for each performance.

The short CV aims to facilitate, organize and streamline the evaluation process. The use of the individual researcher identifier facilitates access to the published scientific papers and information on the impact of each of them.

Remember that only CVs submitted either in this format or in CVN abridged version will be taken into consideration.