

CURRICULUM VITAE

IMPORTANT – The Curriculum Vitae cannot exceed 4 pages. Instructions to fill this document are available in the website.

Part A. PERSONAL INFORMATION

CV date

June 15, 2025

First name	Amelia Virginia		
Family name	González Porto		
Gender (*)	Female	Birth date (dd/mm/yyyy)	13/09/1965
Social Security, Passport, ID number	361025563121	34952221H	
e-mail	avgonzalezp@jccm.es ; avgp2006@gmail.com	URL Web	https://iriaf.castillalamancha.es/
Open Researcher and Contributor ID (ORCID) (*)	0000-0002-0166-5528		

(*) Mandatory

A.1. Current position

Position	Researcher PhD		
Initial date	13/12/2004		
Institution	Instituto Regional de Investigación y Desarrollo Agroalimentario y Forestal (IRIAF), JCCM		
Department/Center	Lab.Productos de la Colmena	Centro de Investigación Apícola y Agroambiental (CIAPA)	
Country	Spain	Teleph. number	949888837 / 635013742
Key words	Palynology, bee products, pollen, honey, botanical origin, geographical origin, nutritional compounds, fraud control origin		

A.2. Previous positions (research activity interruptions, see call)

Period	Position/Institution/Country/Interruption cause
2024-2025	Change of professional category. PhD Researcher / IRIAF / Spain
2016-2024	Technical Director. Senior Research Graduate / IRIAF / Spain
07/2016-10/2016	Senior Research Graduate / EULEN-IRIAF / Spain
2012-05/2016	Senior Research Graduate / Junta Comunidades Castilla-La Mancha (JCCM) / Spain
2011-2012	Senior Research Graduate / General Foundation for the Environment of Castilla-La Mancha, JCCM /Spain
2010-2011	PhD Researcher /CAR-Marchamalo/ Seicaman-JCCM / Spain
2004-2009	PhD researcher-contract INIA-CCAA/CAR-JCCM / Spain
1999-2003	Associate Professor / Universidade de Vigo / Spain
1994-1996	University of Vigo scholarship holder / Spain
1991-1993	Predoctoral Fellow of the Xunta de Galicia / Spain

A.3. Education

PhD, Licensed, Graduate	University/Country	Year
PhD in Biology	Universidade of Vigo / Spain	7/11/1996
Degree in Biology	Universidade of Vigo / Spain	June 1992
Graduate/Licensed in Biological Sciences	Unversidade of Santiago de Compostela / Spain	June 1988
Pedagogical Aptitude Course (CAP)	Univ. of Vigo Postgraduate and Lifelong Learning Centre (140 h) / Spain	2003-2004

Part B. CV SUMMARY (max. 5000 characters, including spaces) to complete this section, please read carefully: "Instructions to fill CVA"

PhD in Biology at Universidade de Vigo and Extraordinary Doctorate Award, with specialisation in Palynology. Research Staff at the IRIAF (Instituto Regional de Investigación y Desarrollo Agroalimentario y Forestal)-Centro de Investigación Apícola y Agroambiental (CIAPA). At present she is head (Technical Director) of the Laboratory of Hive Products. The central area as a researcher focuses on the study of the botanical and geographical origin of beehive products, through palynological studies; on sensory analysis through the formation of panels and participation as a jury member in regional, national and international tastings. Specific Objective of the awarded project (MEDIBEES) granted (coordinated by CIAPA) at European funding (PRIMA-FEDER Horizon 2020) and developed over the next four years. This researcher will be responsible for this task. In addition, since January 2023, a participant in the BETTER-B EU Horizon Financing Project, as a specialist in the analysis of origin of Bee products. It is trained in all the regulated parameters for quality control and analysis of products such as honey and bee pollen, especially (R.D.1049/2003 and RD 523/2020 for honey and proposed standards for pollen and royal jelly through its participation in the European funding Project APIFRESH corresponding to Research for SME Associations- Call ID"FP7-SME-2008-2"Proposal 243594-APIFRESH). His professional experience over the last 10 years can be summarised as a researcher participating in 2 European funding projects (mentioned above), 4 national and 2 regional projects. All these results obtained from their participation in the different projects, related to characterisation studies, nutritional value and healthy components of certain bee samples for their application to human consumption and bee nutrition as an influential factor in the state of health of the colonies, have been published in publications aimed at the scientific sector, or for dissemination to the beekeeping and consumer sector, communications to congresses, workshops and conferences for associations and other entities (around twenty conferences). She has 18 publications in SCI journals in the last 10 years (40% in Q1). She is an active member of the IHC, coordinator national CSIPollen of the international network COLOSS and member of the National Committee for ISO Standards for Food Authenticity (CTN34/SC10) as Vocal, and specifically active member of the CTN 327 Committee for Bee Products. She is also part of the Board of Directors of APLE (Asociación de Palinólogos de Lengua Española) as Secretary since 2019. In the last years she has transferred knowledge to the private and public sector by leading contracts with private companies and public centers (University, Regional government administration). Since years, she acts as evaluator of projects for national (INIA, AEI-ANEP) and international (FONCYT Argentina) agencies, and referee (16) in numerous scientific journals of sciences related to their specialities. She has been member of scientific and organizing committees of many other national and international scientific congresses. She has supervised 1 PhD thesis (2013) and 2 master projects (2018, 2020). She has been teaching in the UCM's Specialist Degree in Beekeeping Health and Production since 2015. She is also currently trained in the study and assessment of the nutritional content and analysis of pesticides, through her specific training in LCMS QQQ and ICPMS, respectively.

Part C. RELEVANT MERITS

They may include publications, data, software, contracts or industrial products, clinical developments, conference, publications, etc. If these contributions have DOI, please include it

C.1. Publications

Must be include the corresponding author, the position occupied by the applicant researcher)

-Walczyńska, A; Braeckman, M.; Capela, N;... Ziółkowska, E. (8/21). 2025. Reviewing published and grey literature in local European languages to supplement existing databases on floral resource traits. Ecological Solutions and Evidence. In press (13/07/2025).

-Ares, Toribio, Tapia, **González-Porto**, Higes, Martin-Hernandez, Bernal, 2022. Differentiation of Bee Pollen samples according to the apiary of origin and harvesting period based on their amino acid content. Food Bioescience.50. <http://dx.doi.org/10.1016/j.fbio.2022.102092>

-Sánchez-Martin V., Morales P., **González-Porto A.V**, Iriondo-DeHond A., ...; Haza A.I. (3/10). 2022. Enhancement of the Antioxidant Capacity of Thyme and Chesnut honey by Addition of Bee Products. Foods 11-19. <https://dx.doi.org/10.3390/foods11193118>

- Brodschneider, R.; Kalcher-Sommersguter, E.; Kuchling, S.;; van der Steen, J.J.M. (13/32). 2021. CSI_Pollen_Diversity_of_Honey_Bee_Collected_Pollen_Studied_by_Citizen_Scientists. *Insects*, 12 (11): 987. <https://doi.org/10.3390/insects12110987>
- Ares A.M., Redondo M., Tapia J., **Gonzalez-Porto A.V.**, Higes M., Martín-Hernández R., Bernal J. 2020. Differentiation of bee pollen samples according to their intact-glucosinolate content using canonical discriminant analysis. *LWT-Food Science and Technology* 129, doi.org/10.1016/j.lwt.2020.109559
- Martín-Arroyo T.; **González-Porto A.V.** & Bartolomé Esteban C. 2017. Viper's Bugloss (*Echium* Sp) Honey Typing And Establishing The Pollen Threshold For Monofloral Honey. *PLOS One* (open Access article), 12 (10): e0185405. <http://Doi.org/10.1371/Journal.pone.0185405>
- González-Porto A.V.**, Martín-Arroyo T. & Bartolomé Esteban C. 2016. How soil type (gypsum or limestone) influences the properties and composition of thyme honey. *SpringerPlus*, 5: 1663-1677, DOI 10.1186/s40064-016-3243-9 (SpringerOpen website) PMID: 27733968 Free PMC article
- L.Castro-Vázquez, V.Leon-Ruiz, M.E.Alañon, M.S.Pérez-Coello, **A.V.González Porto**. 2014. Floral origin markers for authenticating Lavandin honey (*Lavandula angustifolia* x *latifolia*). Discrimination from Lavender honey (*L. latifolia*). *Food Control*, 37: 362-370. [dx.doi.org/10.1016/j.foodcont.2013.09.003](https://doi.org/10.1016/j.foodcont.2013.09.003)
- A.V.González-Porto**, T.Martín-Arroyo, M.J.Gil-García, B.Ruiz-Zapata, J Álvarez-Jiménez, C.Bartolomé. 2013. Predicting the natural vegetation in a region by comparing the pollen in two biological vectors: bryophytes and honey. *Grana*, 52 (2): 136-146. [dx.doi.org/10.1080/00173134.2013.789926](https://doi.org/10.1080/00173134.2013.789926)
- León-Ruiz V., **González-Porto AV**, Al-Habsi N, Vera S, San Andrés MP, Jauregui P. 2013. Antioxidant, antibacterial and ACE-inhibitory activity of four monofloral honeys in relation to their chemical composition. *Food & Function*, 4 (11): 1617-1624. DOI: 10.1039/c3fo60221d
- León-Ruiz, V, Vera S., **González-Porto A.V.**, San Andrés M.P. 2011. Vitamin C and sugar levels as simple markers for discriminating Spanish Honey sources. *Journal of Food Science*, 76 (3): 356-361. Doi: 10.1111/j.1750-3841.2011.02041.x

C.2. Congress

Please, include the modality of your participation (invited conference, oral presentation, poster)

- 1-Determination of intact glucosinolates in bee pollen by using Ultra-High Performance Liquid Chromatography coupled to a Quadrupole Time-of-Flight Mass Detector. Oral presentation. Ares A.M., Sánchez D., Tapia J., Higes M., **González-Porto, A.V.**, Martín-Hernández R., Martín M.T. Bernal J. XX Meeting of the Spanish Society of Chromatography and Related Techniques. SECyTA2021. Virtual edition. 18-19 November 2021.
- 2- Determination of amino acids in bee pollen by High Performance Liquid Chromatography coupled to a Fluorescence Detector. Poster presentation. Ares A.M., Redondo A., Higes M., **González-Porto, A.V.**, Martín-Hernández R., Toribio L. & Bernal J. : XX Meeting of the Spanish Society of Chromatography and Related Techniques. SECyTA2021. Virtual edition. 18-19 November 2021.
- 3- Determination of Betaines in bee Pollen by using high performance liquid chromatography-mass spectrometry. Poster presentation. Bernal J., Ares A.M., Robledo I., Higes M., **González-Porto, A.V.**, Martín-Hernández R., Toribio L., Martín M.T. XX Meeting of the Spanish Society of Chromatography and Related Techniques. SECyTA2021. Virtual edition. 18-19 November 2021.
- 4- Evolution of the diversity of the type of pollen foraged by bees in relation to the vegetal composition of the environment and the stage of collection. Video presentation (Poster). **González-Porto, A.V.**, Molina-Abril, J.A., Pardo-Martin, C. MedPalynoS2021. On-line. 6-8 September 2021
- 5- Can starch grains inside Cistaceae's pollen supply the deficiency of other components inforaging preferences of the honey bees?. Oral presentation. **González-Porto A.V.**, Martín-Hernández R., Pardo-Martin C. MedPalyno 2019 Symposium. Bordeaux (France). 9-11 July 2019.
- 6- El Grupo de Trabajo de la Miel y la Normalización de Protocolos de Análisis Melisopolinológicos. Oral presentation. **A.V.González-Porto**, E.Sánchez Reyes, C.De Linares Fernández,...Y.Matías Martínez. IX Congreso Nacional de Apicultura. Sta. Cruz de Tenerife, Islas Canarias. 25-27 October 2018.
- 7-CSI POLEN: Relación entre la diversidad polínica y la nutrición de abejas melíferas. Oral presentation. **A.V.González Porto**, C.Pardo Martin. IX Congreso Nacional de Apicultura. Sta. Cruz de Tenerife. 26-27 October 2018

C.3. Research projects

(must indicate their personal contribution, and lines of research for which they have been responsible)

1-Agricultural R+D+i projects of regional interest, JCCM. Funded by FEDER 2022-2029. Total funding: 3.574.000€. Subproject: Development of a model for estimating bee production according to its adaptation to climatic fluctuations. Bee Products CIAPA team IP: AV. González-Porto, IRIAF, 01/2023–12/2029. Bee Products Project funding 900.000€.

2-VASBEEP. Valorización y autenticación de los productos apícolas de España a partir de su composición. Subp: PID2022-141679OR-C31 Base de datos para la definición de miel y polen apícola y mapa potencial de distribución de las producciones (IP). FUNDING: Knowledge generation projects 2022 in the framework of the state programme to promote scientific-technical research and its transfer, of the state plan for scientific, technical and innovation research 2021-2023. PRINCIPAL RESEARCHER & COORDINATOR: AV. González Porto. IRIAF. TIMEFRAME: 2023-2026. TOTAL AMOUNT OF GRANT (4 years): 112.500€ (GRUPO IRIAF-CIAPA). TOTAL AMOUNT OF THE PROJECT: 362.500 €. TYPE OF PARTICIPATION: Coordinator & IP

3-BETTER-B. Improving Bees' Resilience to Stressors by Restoring Harmony and Balance. Proposal number: 101081444-2. FUNDING: HORIZON-CL6-2022-BIODIV-02-03-two-stage. Type of Action: HORIZON-RIA. 2023-2026. CIAPA: 292600€ TOTAL 5999800,00€. TYPE OF PARTICIPATION: Researcher
4-MEDIBEES. Monitoring the Mediterranean Honey Bee Subspecies and their Resilience to Climate Change for the Improvement of Sustainable Agro-Ecosystems. FUNDING AGENCY: Fundación PRIMA (HORIZON 2020, European Union's Framework Programme for Research and Innovation). PRINCIPAL RESEARCHER AND COORDINATOR: R. Martín Hernández. CIAPA-IRIAF. TIMEFRAME: March 2021-March 2025. TOTAL AMOUNT OF GRANT (4 years): 250.000€ (GRUPO IRIAF-CIAPA). TOTAL AMOUNT OF THE PROJECT: 1.750.000€. TYPE OF PARTICIPATION: Researcher

5-Evaluación de los efectos de la exposición crónica de las colonias de Apis mellifera iberiensis a los principales agentes nosógenos presentes en las colmenas. Propuesta de medidas paliativas. RTA2017-00004-C02-01. FUNDING AGENCY: AGENCIA ESTATAL DE INVESTIGACIÓN. INIA-FEDER: INIA-RTA2017. PRINCIPAL RESEARCHER: M. Higes Pascual. CIAPA-IRIAF. TIMEFRAME: 2018-2020 (2021). AMOUNT OF THE FUNDING CIAPA: 96.171,00 €. TYPE OF PARTICIPATION: Researcher.

6-Factores de mejora en la productividad de la cabaña apícola: eficiencia de los recursos alimenticios y de la resistencia genética a enfermedades. RTA2015-00013-C03. FUNDING AGENCY: INIA-FEDER. Programa Nacional De Recursos De Tecnologías Agroalimentarias. Subprograma Nacional De Recursos Y Tecnologías Agrarias En Coordinación Con Comunidades Autónomas. PRINCIPAL RESEARCHER: R. Martín Hernández. TIMEFRAME: Sept. 2017-2020 AMOUNT OF THE FUNDING: 90.000,4 € AMOUNT TOTAL: 270.000,00 €. TYPE OF PARTICIPATION: Researcher.

C.4. Contracts, technological or transfer merits

1-TÍTULO of CONTRACT/PROJECT: Strategies To Reduce Or Replace Food Additives (Preservatives And Antioxidants) In Cured Meat Products. RTI2018-097549-B-I00. SUBCONTRACTING: CIAPA-IRIAF (A.V. González Porto). FUNDING ADMINISTRATION: Programa Estatal De I+D+I Orientada A Los Retos De La Sociedad. RESEARCHER RESPONSIBLE FOR THE PROJECT: Ana I. Haza Duaso. UCM. TIMEFRAME: 2019-2022. AMOUNT OF SUBCONTRACTING: 18.676,96 € (TOTAL OF THE PROJECT: 199.892,00 €)

2-TÍTULO OF CONTRACT/PROJECT: Análisis de polen de girasol (*Helianthus annuus*) y maíz (*Zea mays*). CONTRACT TYPE: Research Contract in collaboration with UCM through Article 83 of the Organic Law on Universities (Decreto 58/2003, 8 de mayo, Consejo de Gobierno). FUNDING COMPANY: SYNGENTA France SAS (Seed Production Research EAME). RESEARCHER RESPONSIBLE FOR PROJECT: N. Angelique. TIMEFRAME: Nov 2020-Dec 2021. RESEARCH STAFF OF SUBCONTRACTED ENTITIES: Amelia V. González Porto y J.A. Molina Abril. AMOUNT OF SUBCONTRACTING: 7.525,00 € (TOTAL PROJECT: 7.525,00 €)