Fecha del CVA	1-7-2026

Part A. PERSONAL DATA

Nombre y apellidos	Antonio Campillo López		
DNI/NIE/pasaporte	10029983M/Spain	Edad	72
Núm. identificación del investigador	Researcher ID		
	Código Orcid	0000-0002-9516-9639	

A.1. Situación profesional actual

Organismo	Universidad de Valladolid		
Dpto./Centro	Facultad de Ciencias, A 338		
Dirección			
Teléfono		correo electrónico	antonio.campillo@uva.es
Categoría profesional	Full Professor/Emeritus 1/9/2024	Fecha inicio	21/09/1983
Espec. cód. UNESCO	1201		
Key words	Projective space, algebraic variety, scheme, cohomology, characteríststic p, AG-code, zeta function		

A.2. Formación académica *(título, institución, fecha)*

Lic/Degree/Doctorate	University	Year
Lic. Mathematical Sciences	Valladolid	7/1976
Doctorate Mathematics	Valladolid	7/1978

A.3. Scientific production

Research Books*: Author 4, Editor 6
Advisor of Ph.D. Thesis**: 17 students
Sexenios de Investigación CNEAI*** 7

MathSciNet: 96 publications, 883 cit, h 18
JCR2025: 46 journals, 75 papers,
13 first decile, 23 first quintile

*Areas: singularities, algebraic geometry, numerics, coding, zeta functions, valuations
**Areas: singularities, commutative algebra, algebraic geometry, D-modules, foliations, combinatorics, coding, zeta functions, number theory, inverse problems, Gelfand triplets
***1976-1981, 1982-1988, 1989-1994, 1995-2000, 2001-2006, 2007-2012, 2013-2018

Part B. FREE CURRICULUM

B-1. All publications http://www.singacom.uva.es/campillo/pdf/publicacionesACL.pdf

B-2. Topics and references of main scientific contributions:

1. “Equisingularity in any chararcteristic”. [LNM80], [TAMS82], [AJM94], [COMP07], [JSC07].
2. “Local linear systems and complete ideals”. [MATHANN96].
3. “Toric Geometry”. [JPAA98], [JA00], [COMP00], [RMI03].
4. “Non Commutative Geometry”. [CMH00].
5. “Arcs spaces and Mori theory”. [PLMS02], [JA05].
6. “Poincaré problem for plane foliations”. [TAMS98], [JLMS00].
7. “Polarity with respect to foliations”. [CRELL01], [12], [14] and [21] below.
8. “Error correcting codes”. [IEEETInfT00], [MATHCOMP02]. [AAECC07].
9. “Poincaré series and zeta functions”. [FAA99], [RMS99],[JLMS99], [RMS00],[DUKE03], [INVENT04], [CMH05], [1] to [4], and [7] to [11],[13], [16] to [20] below, and [22].

B-3.Web
http://www.singacom.uva.es/campillo/index.html, https://www.arbolmat.com/antonio-campillo/

Part C. CURRICULUM

C.1. Publications. 2013-2026.

[1] A.Campillo, F.Delgado, S.Gusein-Zade "Equivariant Poincaré series of filtrations", Rev. Mat. Complutense, 26-1, 241-251 (2013).

[2] A.Campillo, A.Lemahieu "Poincaré series for filtrations defined by discrete valuations with arbitrary center", Journal of Algebra, 337, 66-75 (2013)

[3] A.Campillo, F.Delgado, S.Gusein-Zade "Equivariant Poincaré series of filtrations and topology", Arkiv för Mathematik, 52, 43-59 (2014).

[4] A.Campillo, F.Delgado, S.Gusein-Zade "Hilbert Funtion, generalized Poincaré series and topology of plane valuations", Monatshefte fur Mathematik, 74. 403-412 (2014).

[5] A.Campillo, F.V.Kulhmann, B.Teissier (Editors) "Valuation Theory in interaction". EMS Series of Congress Reports. EMS Publishing House. 670 pp. (2014). ISBN print 978-3-03719-149-1, ISBN online 978-3-03719-649-6.

[6] A.Campillo, D.H.Ruipérez (Editors) "El legado matemático de Juan Bautista Sancho Guimerá". Colección Aquilafuente. Ediciones Universidad de Salamanca, 276 pp. (2015). ISBN 978-84-9012-574-8.

[7] A.Campillo, F.Delgado, S.Gusein-Zade "An equivariant Poincaré series of filtrations and monodromy of zeta functions" Rev. Mat. Complutense, 28, 449-467 (2015).

[8] A.Campillo, F.Delgado, S.Gusein-Zade "On Poincaré series of filtrations", Azerbaijan Journal of Mathematics, 5(2), 125-139 (2015).

[9] A.Campillo, F.Delgado, S.Gusein-Zade "Equivariant Poincaré series and topology of valuations", Documenta Math. 21, 271-286 (2016).

[10] A.Campillo, F.Delgado, S.Gusein-Zade. "On the topological type of a set of plane valuations. Math. Nachr. 290, 13, 1925-1938 (2017)

[11] A.Campillo, F.Delgado, S.Gusein-Zade. "Integration over the space of functions and Poincaré series: a revisión". Proc. Steklov Math. Institute, Vol. 302 (dedicated to S.P.Novikov), 146-160 (2018).

[12] A.Campillo, J.Olivares "Foliations by curves are uniquely determined by minimal subschemes of its singularities". Journal of Singularities 18, 105-113 (2018). Special volumen dedícated to the life and mathematics of Egbert Brieskorn.

[13] A.Campillo, F.Delgado. S.Gusein-Zade. "Are algebraic links in the Poincaré sphere and the Alexander polynomials?" Mathemathische Zeitschrift, Vol. 294, pp. 593-613 (2020).

[14] A.Campillo, J. Olivares. "Cayley-Bacharach and singularities of foliations". Bull. Braz. Math. Soc. New Series 477–498 (2021).

[15] A.Campillo. "El legado matemático de Germán Ancochea". En Germán Ancochea. Tributo a un pionero de la investigación matemática española, 247-288. Real Sociedad Matemática Española (2021).

[16] A.Campillo, F.Delgado, S.Gusein-Zade. "Weil-Poincare series and topology of collections of valuations on rational double points". Arkiv för Mathematik. 60, 297–322 (2022).

[17] A.Campillo, F.Delgado, S.Gusein-Zade. "On real analogues of the Poincaré series". Bull.London Math. Soc. Vol.56, 1, 449-459 (2023).

[18] A.Campillo, F.Delgado, S.Gusein-Zade. Real Poincaré series of plane valuations". (Dedicated to the memory of W.Ebeling). Moscow Math.J. 9, 153-161 (2025).

[19] A.Campillo, R. Melgar. "Analytic expansions and Poincaré series". (Dedicated to the memory of Arkadiuzs Ploski). Ann. Polon. Math. 135 (2025), 79-103.

[20] A.Campillo, R.Melgar. "Poincaré series of semigroups" Contemporary Math. . Algebraic and topological interply of algebraic varieties. Dedicated to E.Artal and A.Melle-Hernández. J.I. Cogolludo, E.Hironaka (Editors). Contemporary Math. Amer. Math. Soc. and Real Soc. Mat. Española, Vol. 843 (2026),147-163.

[21] A.Campillo, J.Olivares, “The normalized singular subscheme of plane algebraic foliations”. Eur. Math. Soc. Press (2026), 17 pp. Book dedicated to Bernard Teissier with occassion of his 80th Birthday. L.Fantini, A.Pichon, P.Popescu-Pampu (Editors).
[22] A.Campillo, F.Delgado, S.Gusein-Zade.”Poincaré series of valuations on functions over a field”. arXiv:2506.02693v1 [math.AG] (2025).

C.2. Project Principal researcher.

1. “Algebraic Geometry of Singularities, Combinatorics and Computing”. Geometría algebraica MEC, Spain National Plan of R+D+I, MTM2004-00958. From 12/2004 to 12/2007. Funding 197.300 €. Number of researchers: 23
2. “Algebraic Geometry of Singularities, computing and information” Entidad financiadora: MEC, Spain National Plan R+D+I, MTM2007-64704. Eje C. From 10/2007, to 09/2012. Funding 444.657 €. Number of researchers: 25
3. “Geometry and Information. Geometrical, arithmetical and non commutative problems”. MINECO. Spain National Plan R+D+I, MTM2012-36917-C2. From 1/2013, to 12/2015 Funding 32.409 €. Number of researchers: 8
4. ”Singularities, Bifurcations and Monodromy”. EU-VI Framework Program. INTAS 051000008-7805. From 10/2006 to 10/2008. Funding 150.000 €. Number of researchers: 90. Spain Node (Valladolid), Central Node (Utrecht).
5. “I2Singacom, GR135 (excellence JCyL)”. CyL Activity/Infraestructure Programs. From 1/2008 to 30/2010. Funding 98.005€. Number of researchers: 12

C.3. Contracts

1. “Visiting Professors Science and Technology” Iberdrola Co, 1996-1999, 87000€.
2. “Singularities.Topology, Arithmetics and Computation” EU V Framework Program. 2001-2005, 337824 €.

C.4 Advisor of Ph.D Thesis. Last 20 years.

1. Diego Ruano Benito “Generalized toric codes. Metric structure of error correcting codes”. Universidad de Valladolid (Co-advisor: J. I. Farrán). 02/2007.
2. Ann Lemahieu “Poincaré series and zeta functions” Kuleuven (KU Leuven) (Co-advisor W.Veys). 03/2007.
3. Rosa María de Frutos Marín “Arithmetical perspective for the Casas-Alvero Conjecture”. University of Valladolid. 06/2013.
4. Irene Márquez Corbella “Combinatorial Commutative Algebra Approach to Complete Decoding” University of Valladolid (Co-advisor: E. Martínez-Moro). 07/2013.
5. Daniel Camazón Portela “Combinatorial aspects of sequences of Blow ups” University of Valladolid (Co-advisor S. Encinas). 01/2025.
6. Álvaro Samperio Valdivieso “Some inverse problems on finite networks” University of Valladolid (Co-advisor A.M.Encinas). 01/2025.
7. Manuel Gadella Urquiza “Algebras of operators on Gelfand triplets. University of Valladolid, 06/2026.

C.5 Scientific Committees. Last 20 years.

1. “MAT.ES First Joint Meeting RSME-SCM-SEMA-SEIO”. Valencia 1-2/2005.
2. “Scientific Days on Economy and Matemáticas”. RSME. Alicante 5/2005.
3. “BIOMAT”. First edition. Granada 6/2005.
4. “Singularities”. La Palma. 11/2005.
5. “Scientific Days son Physics and Mathematics”. RSME-RSEF. Valladolid 12/2005.
6. “Scientific Days on Neurosciences and Mathematics”. RSME-SEN. Sevilla. 2/2006.
7. “Royal Spanish Mathematical Society”.1/2003 a 3/2007.
8. “Thematic Seminar on Singularities, Computing and Visualization”. Segovia 03/2007.
9. “Workshop on Zeta Functions in Algebra and Geometry”. Segovia. 06/2007
10. “Thematic Seminar on Algebraic Geometry, Coding and Computing”. Segovia. 10/2007.
11. “Affine Geometry, Number Theory and Singularities” (Pi60) Castro Urdiales. 06/2008.

12. “Garachico Seminar on Singularities”. Garachico. 09/2008.
13. “First Joint Meeting SMM-RSME”. Oaxaca 07/2009.
14. “School on Combinatorics, Pilar Pisón-Casares”. Seville. 01/2010.
15. “Second Workshop on Zeta Functions in Algebra and Geometry”. Mallorca. 05/2010.
16. “Conference on Differential Equations and Dinamical Systems”. Suzdal. 06/2010.
17. “Singularities, Geometry and Topology” (Gusein-Zade 60) El Escorial. 10/2010.
18. “Second Conference and Workshop on Valuation Theory”. Segovia, El Escorial. 07/2011.
19. “First Conference Imaginary”. Barcelona History Museum. 04/2012.
20. “Second Joint Meeting RSME-SMM. Torremolinos. 01/2012.
21. “First BLS Joint Meeting”, SBM, SML, RSME. Liège. 06/2012.
22. “Bill Bruce 60, Terry Wall 75”. Liverpool 06/2012.
23. “Arithmetical Days”. Euler Institute. Saint Petersburg 05/2013.
24. “Third Joint Meeting SMM-RSME” SMM-RSME. Zacatecas. 09/2014.
25. “Third Workshop on Zeta Functions in Algebra and Geometry”. Guanajuato. 09/2014.
26. “Second BMS Joint Meeting”. SBM, RSME, SML University of La Rioja 06/2016.
27. “Forth Workshop on Zeta Functions in Algebra and Geometry”. Bielefeld 06/2017.
28. “REM. UMA-RSME Joint Meeting”. Buenos Aires. 12/2017.
29. “RSME Congress 2021”. Ciudad Real. 01/2022.
30. “Fifth Workshop on Zeta Functions in Algebra and Geometry”. Nice. 05/2022.
31. “Argentine Meeting on Finite Fields and Related Topics”. Córdoba. 11/2023.
32. “Algebraic Geometry, Computational Commutative Algebra and their effectiveness applications“. Istanbul 6/2024.

C.6 Professional

1. Spain Commission for Evaluation of Research Activity. Physics and Maths. 2002 to 2003.
2. Spain Evaluation Commission of the R+D National Plan. Maths, Physics, Earth Sc. 2002.
3. National Agency of Research Evaluation. Physics and Mathematics.1999 to 2003.
4. Delegate at EMS Council (Sofia 2010, Krakow 2012, Donostia 2014, Berlin 2016, Prague 2018, Bled and Edinburgh 2020).
5. Head of the Spain Delegation at the Steering Committe and the General Assambly of CIMPA-ICPAM. 2010 to 2016. Member of CIMPA-ICPAM since 2010.
6. Head of the Spain Delegation at the IMU-General Assambly (Hyderabad 2010, Seoul 2014). President of the A.O. of Spain to IMU. 2015 to 2016.
7. President of the Spanish Committee of Mathematics (CEMAT). 2010 to 2016.
8. President of the Royal Spanish Mathematical Society (RSME). 2009 to 2015.
9. President of RSME-Universia Editorial Committee. 2011 to 2015.
10. President of the Scientific Commitee of RSME, 2003 to 2007.
11. President of the Conference of Mathematical Deans of Spain. 2001 to 2004.
12. Coordinator of Spain National Quality Agency White Book on University Mathematics Curriculae. 2003 to 2004.
13. Dean of Science Faculty at Valladolid University. 2000 to 2004.
14. Director of Algebra, Geometry, Topology Department. Valladolid University.1996 to 1999.
15. Director of Algebra Department. Seville University. 1983 to 1984.
16. Secretary of the Research Ethics Committee. Valladolid University. 2019 to 2024.
17. Medal of Royal Spanish Mathematical Society. 2017.
18. Inaugural lecture for the academic year. Valladolid University. 2018.
19. Member of the Jury of 115 Ph.Thesis.
20. Invited talks; 102 at scientific Meetings, 133 at scientific Centers, 25 of scientific Policy.