MINISTERIO DE CIENCIA E INNOVACIÓN

Cofinanciado por la Unión Europea

AGENCIA ESTATAL DE INVESTIGACIÓN

CURRICULUM VITAE (CVA)

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

CV date	05/12/2025

Part A. PERSONAL INFORMATION

First name	YOLANDA		
Family name	FERNANDEZ JALVO		
Gender (*)	female		
Social Security, Passport, ID number	28/03843880/55	PAS748633	50802982F
e-mail	yfj@mncn.csic.es	URL Web: https://www.mncn.csic.es/es/quienes_somos/fernandez-jalvo-yolanda	
Open Researcher and Contributor ID (ORCID) (*)		0000-0002-1089-7136	
SCOPUS Author ID		6603680696	

A.1. Current position

Position	RESEARCH SCIENTIST		
Initial date	28/04/2000		
Institution	Agencia Estatal del Consejo Superior de Investigaciones Científicas		
Department/Center	Paleobiology	Museo Nacional de Ciencias Naturales (MNCN)	
Country	SPAIN	Phone No.	91 411 1328
Keywords	Site Formation, Taphonomy, Dating, Bone Diagenesis, Histotaphonomy, Human Behaviour, Palaeoenvironment, Palaeoclimate		

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

Period	Position/Institution/Country/Interruption cause
1997-1999	(ENV4-CT96-5043/DG12-ASAL) Post-doctoral Marie-Curie Mobility/Natural History Museum/UK/ (NO interruption)
1996-1997	Investigador Contratado/MNCN/Spain/(NO interruption)

A.3. Education

PhD, Licensed, Graduate	University/Country	Year
PhD	University Complutense of Madrid	1992
Licensed in Geology	University Complutense of Madrid	1985

Institutional Responsibilities: Head of the Department of Palaeobiology. Scientific Responsible of the Laboratory of High Resolution and Electronic Microscopy (1999present), **Director of the Laboratory of Experimental Taphonomy** (2009-present) and Scientific Responsible of the Experimental Field Station La Higueruela from the Museo Nacional de Ciencias Naturales (2013-present). Scientific Consultant of the Laboratory of small mammal taphonomy University of La Pampa (Argentina) CONICET. Member of the Palaeoanthropology Group of the MNCN-CSIC, in charge of Taphonomy. The status of Taphonomy in the scientific scenery of Paleobiology and Paleoanthropology gives special relevance to Taphonomy, because this is a transversal research, allowing participating in a diversity of research groups in Palaeontology: human evolution, palaeoclimatology, palaeogenetics, environment and ecosystem interpretations, Forensic studies. The origin of Taphonomy is the interpretation of the palaeoenvironment as well as past ecosystems at the highest level of resolution and basic to confirm dating results controlling absence/presence of reworking.

Part B. CV SUMMARY

My contribution to the field of taphonomy and anthropology is threefold. First, studies related to research involving human behavior and social strategies. Secondly, Site Formation and taphonomy of large and small mammals. Thirdly, interpretations of past environments, ecosystems and climates.

My PhD thesis was focused on the high resolution that small mammal taphonomy has in the interpretation of the past environments, ecosystems and climates of Atapuerca-Trinchera sites supervised by P. Andrews and Bermúdez de Castro (10.1016/0031-0182(94)00081-I) a PhD of the Atapuerca project in which I was team member for 20 years. The most special acknowledgment was the Principe de Asturias Award of Science in 1997 to the Atapuerca research team lead by Prof. E.Aguirre.

My post-doc research brought me to Olduvai (Tanzania) sites with a grant between the Research Ministries of Spain and France, and a Fyssen project (French Foundation for the Evolution of the Human Brain) that allowed me to investigate the climatic change proposed 1.8 Ma at Olduvai (Tanzania) (10.1006/jhev.1997.0188). I returned to London in 1997 with a 2-years European Mobility Fellowship (Marie Curie). I have extended taphonomic research to botanic elements such as pollen (10.1016/S0031-0182(98)00206-5) to help interpreting palaeoecological and past climates. I have also been involved in forensic research and health medicine, as well as human behaviours of extinct and extant Homo.

I have also been in charge of the taphonomy in Gibraltar sites (10.1038/nature05195) and did the taphonomic study of the Chinese site Tianyandong-Zoukoudien (10.1016/j.jhevol.2015.03.010) and the Spy humans (10.1016/j.quascirev.2019.03.028). I have been co-director with T.King of the excavation and scientific project of the Pleistocene site Azokh/Azykh at the Lesser Caucasus. I am currently combining research in Argentina (10.1016/j.quascirev.2016.11.005) and in South Africa on the onset and evolution of the use of fire by hominins older than 1.5Ma (10.1016/j.jhevol.2012.08.008).

My research subject is of interest to academic levels and to the general public. Since 1993 I am invited to give conferences, seminars at National and International Universities, graduate and doctoral levels, talks to school teachers and students. I have participated in different diffusion programs, both national and international broadcasting (TV-radio-newspapers, documentaries). I have been involved in Museum Exhibitions at the MNCN in different subjects of palaeontology, popular conferences and round tables

Part C. RELEVANT MERITS *Total Citation*= **4934; Q1 75%;** *H Index*= **34**

C.1. Publications

Overview: 180 publications in journals and book chapters, 109 published in SCI journals, highly rated such as *Nature*, *Science*, *PNAS*, *Quaternary Science Reviews* or *Journal of Human Evolution*. About 22 articles in non-rated journals (No-SCI), ~50 co-authored book-chapters or monographs. Two co-authored books: *Atlas of Taphonomic Identifications* (Dordrecht, Springer 2016); *Time in Taphonomy: A 30-Year Field Study in Wales* (New York: NOVA. 2019) and one edited and co-authored monograph (Senior Editor: *Azokh Cave and the Transcaucasian Corridor*, Dordrecht, Springer 2016).

Publications. Last 10 years

1. Yolanda Fernández-Jalvo, M. Dolores Marin-Monfort, Martina Demuro, Gustavo Gómez, Ricardo Bonini, Jonathan Bellinzoni, Sara García-Morato, María A. Gutiérrez, Fernando J. Fernández, M. Teresa Alberdi, Marta Moreno-García, Esperanza Cerdeño, Claudia I. Montalvo, Lee Arnold, Pamela Steffan, Jose L. Prado (Submitted). *Smilodon* bite marks challenge human extinction models in South American Pleistocene. – (under revision) Research
2. Gustavo N. Gómez, Fernando J. Fernández, Sara García-Morato, María D. Marin-Monfor, Claudia I. Montalvo, Pamela G. Steffan, Jonathan Bellinzoni, Ricardo Bonini, María T. Alberdi, Yolanda Fernández-Jalvo, José L. Prado (in press). Times of changes, the latest Pleistocene micromammal association of the Salto de Piedra site (Buenos Aires Province, Argentina) Quaternary Research
3. Pamela Steffan, Gustavo N. Gómez, Sara García-Morato, Jonathan E. Bellinzoni, Ricardo Bonini, Cristian M. Favier-Dubois, Claudia I. Montalvo, María Teresa Alberdi, M. Dolores Marin-Monfort, Yolanda Fernandez-Jalvo, José Luis Prado. (2025). Freshwater invertebrate assemblages and environmental changes in the Late Pleistocene-Holocene of Salto de Piedra site (central Pampean Region, Buenos Aires, Argentina) Quaternary International 751, 110047. https://doi.org/10.1016/j.quaint.2025.110047
4. Fernández, García-Morato, Gómez, Fernández-Jalvo, Prado. (2025). Rediscovery of an extinct species of caviine rodent of the Late Pleistocene after the Last Glacial Maximum in the Pampasic Domain (Argentina). Mammalia. https://doi.org/10.1515/mammalia-2025-0020
5. Fernández-Jalvo, Valli, Marín-Monfort, Pesquero-Fernández (2025) The taphonomy of Sèneze. In Delson, Faure and Guérin (eds). Senèze: Life in Central France Around TwoMillion Years Ago Paleontology, Geochronology, Stratigraphy and Taphonomy. Springer. Cham, Switzerland. Pages: 653-681.
6. Bellinzoni, Bonini, García-Morato, Gómez, Steffan, Marín-Monfort, Zurita, Cuadrelli,. Prevosti, Fernández, Favier-Dubois, Rafuse, Alberdi, Fernandez-Jalvo, Prado. (2025). New mammal assemblage from last interglacial in Argentine Pampas: Debating biostratigraphic and biochronological reliability. Quaternary Science Reviews 367, 109511. https://doi.org/10.1016/j.quascirev.2025.109511
7. MARIN-MONFORT, GARRONE, MONTALVO, NAHUEL-RUIZ, FERNÁNDEZ-JALVO, TOMASSINI and FERNÁNDEZ (2025). Histotaphonomic patterns as paleoenvironmental proxies

in eolian deposits: Insights from Last Glacial Maximum mammals in the Argentine Pampas. Journal of Quaternary Science. DOI: http://doi.org/10.1002/jqs.70023

8. Aida Gutiérrez, Dominika Nociarová, Assumpció Malgosa, Yolanda Fernández-Jalvo & Núria Armentano (2025) What does lime tell us about cadaveric remains?, Historical Biology, 37:2, 193-202, https://doi.org/10.1080/08912963.2023.2297911
9. Irit Zohar, Arturo Morales-Muñiz, Eufrasia Roselló-Izquierdo, Yolanda Fernandez-Jalvo, Romina Frontini. 2025. Taphonomy through fisheyes: an historical and methodological overview. Archaeological and Anthropological Sciences (2025) 17:128 https://doi.org/10.1007/s12520-025-02233-3
10. Penélope I. Martínez de Los Reyes, Aida Gutiérrez, Alba Macho-Callejo, Sara García-Morato, Marta Moreno-García & Yolanda Fernández-Jalvo (2025) Let's play with f ire! Preliminary results of new experiments on animal bone of thermo-alterations, Historical Biology, 37:8, 1949-1960
11. S. García-Morato, Á.C. Domínguez-García, P. Sevilla, et al., The last 20,000 years of climate change in the Iberian Peninsula characterized by the smallmammal assemblages, Palaeogeography, Palaeoclimatology, Palaeoecology (2024),https://doi.org/10.1016/j.palaeo.2024.112545
12. Sara García-Morato, Dores Marin-Monfort, Yolanda Fernández-Jalvo, Gustavo A. Neme & Fernando J. Fernández (2024) Small mammal taphonomy and palaeoecological Holocene interpretations in the Andean piedmont (southern Mendoza province, Argentina), Historical Biology, 36:1, 34-48, http://doi.org/10.1080/08912963.2022.2147004
13. Jose Luis Prado, Mathieu Duval, Martina Demuro, Francisco Javier Santos-Arévalo, María Teresa Alberdi, Rodrigo L. Tomassini, Claudia I. Montalvo, Ricardo Bonini, Cristian M. Favier-Dubois, Sallie Burrough, Szilvia Bajkan, Germán M. Gasparini, Jonathan Bellinzoni, Fernando J. Fernández, Sara García-Morato, María Dolores Marin-Monfort Shaun Adams, Jian-xin Zhao, Elisa Beilinson, Yolanda Fernández-Jalvo. 2024. Refining the chronology of Middle/Late Pleistocene fossil assemblages in the Argentine Pampas.. https://doi.org/10.1016/j.quascirev.2024.108958
14. Tomassini, R.L., … Fernández-Jalvo, Y. 2023. http://doi.org/10.2110/palo.2022.040
15. García-Morato…Fernández-Jalvo. 2023. http://doi.org/10.1177/09596836221138347
16. Marin-Monfort, M.D; et al. Fernández-Jalvo, Y. (2022) The owl that never left! Taphonomy of Earlier Stone Age small mammal assemblages from Wonderwerk Cave (South Africa). Q.Int. 614, 111-125. https://doi.org/10.1016/j.quaint.2021.04.014 2.
17. Scott, L., et al., Fernández-Jalvo, Y. et al., (2022) Late Quaternary palaeoenvironments in the central semi-arid region of South Africa from pollen in cave, pan, spring, stream and dung deposits. Q.Int. 614, 84-97 https://doi.org/10.1016/j.quaint.2020.10.065
18. Sara García-Morato, Dores Marin-Monfort, Yolanda Fernández-Jalvo, Gustavo A. Neme & Fernando J. Fernández (2022): Small mammal taphonomy and palaeoecological Holocene interpretations in the Andean piedmont (southern Mendoza province, Argentina), Historical Biology, https://doi.org/10.1080/08912963.2022.2147004
19. García-Morato, M Lobo, Fernández-Jalvo, Montalvo and Fernández. (2022) Assessment of the distribution of Pseudoryzomys simplex (Cricetidae, Sigmodontinae) in the Pampean region, central-east Argentina, in the late-Holocene. The Holocene. 1-11. https://doi.org/10.1177/09596836221106966
20. Liora Kolska Horwitz, Margaret D. Avery, Marion K. Bamford, Francesco Berna, James
21. S. Brink†, Michaela Ecker, Yolanda Fernandez-Jalvo, Paul Goldberg, Sharon Holt, Julia Lee-Thorp, Ari Matmon, Robyn Pickering, Naomi Porat, Lloyd Rossouw, Louis Scott, Ron Shaar, and Michael Chazan (2022) Wonderwerk Cave, Northern Cape Province: An Early–Middle Pleistocene Paleoenvironmental Sequence for the Interior of South Africa. IN: African Paleoecology and Human Evolution Edited by Sally C. Reynolds , René Bobe. Cambridge University Press & Assessment 978-1-107-07403-3 —pages 142-160 https://doi.org/10.1017/9781139696470.014
22. García-Morato, **Fernández-Jalvo, Y.**, Montalvo, C. et al. (2021) New palaeoecological approaches to interpret climatic fluctuations in Holocenic sites of the Pampean Region of Argentina. Quaternary Science Reviews, 255, 106816. https://doi.org/10.1016/j.quascirev.2021.106816
23. Tomassini, R., Montalvo, C. Garrone, M.C. et al. (8/9) (2020). Gregariousness in the giant sloth Lestodon (Xenarthra): multi-proxy approach of a bonebed from the Last Maximum Glacial of Argentine Pampas. Nature. Scientific Reports. DOI: 10.1038/s41598-020-67863-0

C.2. Congresses and invited conferences

- 2025. 8-12 December at the Senckenberhg Museum Frankfurt. The world of the time of Messel. Back to the future? A PRELIMINARY STUDY OF BREAKAGE PATTERNS IN A NEO-TAPHONOMIC EXPERIMENT WITH RECENT BONES
- 2025 Society of Vertebrate Paleontology. 85th SVP congress. 12th-15th November, 2025 Birmingham UK.
- 2025. 10th International Meeting on Taphonomy and Fossilization TAPHOS 2025. Comacchio (Ferrara, Italia). 17th-19th June, 2025
- 2024. X Congreso de Arqueología de la Región Pampeana Argentina- 11 abril, 2024 conference. "Un caníbal en Atapuerca y un asesino Neandertal",
- 2022: The 80th Anniversary of Efremov's Taphonomy (Organizer Committee) 5-11 June, 2022.

C.3. Research projects_last 5 years

Summary: Participation in 40 projects (26 Internationals, 20 as PI). Dr. Fernández Jalvo collaborates regularly in research projects with researchers and laboratories from various countries and specialties such as Prof. Peter Andrews, Natural History Museum, UK; Prof. Louis Scott, University of the Free State, South Africa; Prof. Christiane Denys, CNRS, Museum d'Histoire Naturelle France; Prof. Lynne Bell, Simon Fraser University, Canada; Dr. Eva-Maria Geigl, Laboratory of Paleogeneome at the Institut Jacques Monod, France; Dr. Claudia Montalvo (UNLP) Argentina. Dr. Fernández Jalvo also collaborates with natural parks of Spain, UK, France, and South Africa.

Project REF.: PID2024-158061NB-I00 CLIMATE, EXTINCTIONS AND RESILIENCE OF THE PLEISTOCENE-HOLOCENE PALEOFAUNAS IN THE NORTHERN AND SOUTHERN HEMISPHERES (CLIMEXRES) **PI.:** Y.Fernández-Jalvo & MT Alberdi. **Funding Institution:** Plan Estatal_Ministerio de Ciencia e Innovación. **Date:** from 1st September 2025 to 31st August 2028. **Subsidy:** 125.000€. **Number of participants:** 16

Project REF.: i-COOP 2024_COOPB24012. ASYMMETRIC CLIMATE CHANGE BETWEEN HEMISPHERES: PAST CLIMATES TO TEST THE PRESENT (PAST&PRESENT). **PI.:** Y.Fernández-Jalvo. **Funding Institution: CSIC. Dates:** 01/01/2025-31/12/2026. **Sudsidy** 29.995,35€ **Number of participants:**20

Project REF.: PID2021-126933NB-I00. Palaeobiodiversity and Global Changes: a test from the Fossil Record in the Northern and Southern Hemispheres over the last 150,000 years (PALEODIV.150ka). **PI.:** Y.Fernández-Jalvo & MT Alberdi **Funding Institution:** Plan Estatal_Ministerio de Ciencia e Innovación. **Date:** from 1st September 2022 to 31st August 2025. **Subsidy:** 115.120€. **Number of participants:** 10

Project REF.: i-COOP2021_COOPB20589. PALEOBIODIVERSITY AND CLIMATIC FLUCTUATIONS IN THE NORTHERN (SPAIN) AND SOUTHERN (SOUTH AFRICA AND ARGENTINA) HEMISPHERES: 150,000 YEARS OF CHANGES. **PI.:** Y.Fernández-Jalvo **Funding Institution: CSIC. Date:** 01/01/2022-31/12/2023. **Subsidy**: 23.921,66€. No.participants: 11

C.5. Supervision, mentoring activities last 10 years

PhD Student: Sara García-Morato; **Thesis Title:** *Small mammal Taphonomy, Palaeoecology and compared variability of climatic phenomena between the Northern and the Southern Hemisphere during the Holocene*. **Supervisors:** Dr. Yolanda Fernández Jalvo, Paloma Sevilla, Fernando J. Fernández.; **Institution:** UCM; **Completion:** 17/09/2023.

PhD Student: Patricia Steffanie Canales Brellenthin; **Thesis Supervisors:** Dr. Yolanda Fernández Jalvo and Dr. M. Paloma Sevilla; **Institution:** UCM **Completion:** 31/10/2019 ***Teseo* data:** www.educacion.gob.es/teseo/imprimirFichaConsulta.do?idFicha=150864

PhD Student: María Dolores Marín-Monfort; Thesis Supervisors: Dr. Yolanda Fernández Jalvo and Dr. Plinio Montoya.; Institution: Universidad Autónoma de Madrid; Teseo data: www.educacion.gob.es/teseo/mostrarRef.do?ref=1319748 Completion: 17/07/2015

Postdoctoral Supervision. Researcher: Dra. Aida Gutiérrez Galiacho (Margarita Salas) 07/03/2022-01/11/2023.

Researcher: Dr. Fernando Fernández; **(**CONICET) **Beginning: Completion:**

Researcher: Dr. Romina Frontini**:** CONICET**:** 25/01/2017- 15/04/2017.

Researcher: Dr. Rodrigo Tomassini; CONICET; 17/04/2017- 17/07/2017.

Student Training. Private Institutes and Doctoral Master of the UCM. 2020-present.

Doctoral Theses supervision (S), reporter (R): 2016: (R). M.C. Arriaza (Universidad Autónoma de Madrid, Spain); (R). Caitlin Syme (University of Queensland, Australia); (S&R). Olivier Gorgé (Université Paris-Saclay, Francia); 2017: (R). E. Baquedano (Universidad de Valladolid, Spain); (R). Miguel Maté (Univ.Valladolid). 2019 (R) Raphäel Hanon (Museum N. d'Histoire Naturelle).