



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	01-05-2022
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First name	José Daniel		
Family name	Anadón Herrera		
Gender (*)	M	Birth date (dd/mm/yyyy)	16-11-2021
Social Security, Passport, ID number	25465664H		
e-mail	jdanadon@ipe.csic.es		URL Web
Open Researcher and Contributor ID (ORCID) (*)	0000-0002-5038-5338		

(*) Mandatory

A.1. Current position

Position	Ramon y Cajal Researcher		
Initial date	16-11-2020		
Institution	Consejo Superior de Investigaciones Científicas (CSIC)		
Department/Center	Instituto Pirenaico de Ecología (IPE)		
Country	Spain	Teleph. number	
Key words	Global change, biodiversity, distribution, abandonment		

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

Period	Position/Institution/Country/Interruption cause
2019-2020	Ramón y Cajal Researcher, University of Zaragoza, Spain
2014-2019	Assistant Professor, City University of New York, USA
2012-2013	Postdoctoral fellow, Arizona State University, USA
2011-2012	Postdoctoral fellow, Estación Biológica de Doñana, Spain
2008-2010	Postdoctoral fellow, UFZ Center for Environmental Research, Germany

NOTE: According to call art. 14.2.b, the initial date to present relevant merits has been extended two years (up to 2009) due to two periods of research activity interruption since 2011 (birth of two sons).

A.3. Education

PhD, Licensed, Graduate	University/Country	Year
Bachelor in Biology	University of Murcia, Spain	1999
PhD in Ecology	University of Murcia, Spain	2007

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

I am a Ramon y Cajal Researcher (ranked #1 in his field in the 2017 call), incorporated to the Instituto Pirenaico de Ecología IPE-CSIC on 2020 and expecting the appointment as Tenure Scientist at IPE-CSIC (selection process passed on Nov 2022). Bs in Biology (1999) and MSc and PhD in Ecology (2007) by the University of Murcia. Three postdoctoral contracts/stays at UFZ (Germany, 2008-2010), EBD (Spain, 2011), and Arizona State University (USA, 2011-2013). During 2014-2019 I held a tenure-track faculty position, as Assistant Professor, at the City University of New York (USA). I have published 69 peer-reviewed articles, 58 of them



in JCR journals, including top-ranked journals as PNAS (2; one a first author and other as senior author), *Front Ecol Environ*, *Conserv Lett* (3), *Conserv Biol*, *Ecography* (3), *Glob Change Biol* and *Global Ecol Biogeogr*. Out of these 58 articles, I am first author in 14, second in 7, and 14 are first-authored by students under my supervision or I am senior author. In addition, I have published 7 book chapters and made >60 contributions to conferences and >10 to workshops. I have disseminated my scientific work in 12 popular sciences articles, 1 popular science book, and 19 technical reports for conservation and environmental agencies. I have participated in 14 national (USA or Spain) and international research projects (5 as PI, 8 as co-PI) funded by USA and Spanish research agencies for a total amount of >1.5M. This includes recently finished international projects funded by CICYT (245.000EU, 2015-2019) and USAID (749.000 EU, 2015-2019) where I was co-PI, with a very active role in their conception and development. I have a wide teaching experience (>500 hr), mostly in the USA for both graduate and undergraduate students, and have mentored 6 PhD students (4 completed, 2 in progress) and 10 MSc students (9 completed, 1 in progress) from 4 countries (USA, Spain, Mexico and Nepal). I have an extensive multidisciplinary, international and long-lasting collaboration networks, as I have co-authored with >100 scientists from >20 countries. I have served as reviewer of >70 scientific articles, including PNAS, PLOS Biology, J Biogeogr, J Anim Ecol, Ecography and served in grant panels of NSF, ANEP, NASA, Israel Ministry of Science and Alaska Sea Grant.

Research program. I am ecologist interested in disentangling the impacts of global change on ecosystems and biodiversity, and their associated ecosystem services, using an interdisciplinary approach. The research I carry out is of maximum societal interest given the current global change scenario, including the biodiversity crisis. Since my arrival to Spain, under the Ramón y Cajal program, I am developing a new interdisciplinary research program centered around 1) the reconfiguration of ecosystems in post-rural societies, and 2) the relationships between biodiversity and ecosystem functioning, both within a global change framework.

Part C. RELEVANT MERITS (sorted by typology)

C.1. Publications (max. 10 selected contributions)

- Jiménez-Franco MV, Graciá E, Rodríguez-Caro RC, Anadón JD, Wiegand T, Botella F, Giménez A. 2022. Problems seeded in the past: lagged effects of historical land-use changes can cause an extinction debt in long-lived species due to movement limitation. *Landscape Ecology* 1-16.
- Sebastián-González, E., Morales-Reyes, Z., Botella, F., Naves-Alegre, L., Pérez-García, J. M., Mateo-Tomás, P., ... & Sánchez-Zapata, J. A. (2021). Functional traits driving species role in the structure of terrestrial vertebrate scavenger networks. *Ecology* 102: e03519.
- Pascual-Rico R, Sánchez-Zapata JA, Navarro J, Eguía S, Anadón JD, Botella F. 2020. Ecological niche overlap between co-occurring native and exotic ungulates: insights for a conservation conflict. *Biological Invasions* 22: 2497-2508
- Sebastián-González E, Barbosa JM, Pérez-García JM, Morales-Reyes Z, Botella F, Olea PP et al. 2019 Scavenging in the Anthropocene: human impact drives vertebrate scavenger species richness at a global scale. *Global Change Biology* 25: 3005– 3017.
- Krakauer NY, Lakhankar T, Anadón JD 2017. Mapping and attributing normalized difference index trends in Nepal. *Remote Sensing* 9: 986.
- Abellán P, Tella JL, Carrete M, Cardador L, Anadón JD. 2017. Climate matching predict spread rate but not establishment success in recent undeliberate bird introductions. *Proceedings of the National Academy of Sciences USA* 114: 9385-9390
- Anadón JD, Graciá E, Giménez A, Fahd S, Fritz U. 2015. Individualistic responses to climate changes: niche differentiation promotes diverging Quaternary range dynamics in the subspecies of *Testudo graeca*. *Ecography* 38: 956-966.



Anadón JD, Sala OE, Turner BL II, Bennett EM. 2014. Effect of woody-plant encroachment on livestock production in North and South America. *Proceedings of the National Academy of Sciences USA* 111: 12948-12953.

Anadón JD, Sala OE, Maestre FT. 2014. Impact of climate change on forest-grassland transitions in the tropical and subtropical Americas. *Journal of Ecology* 102: 1363-1373

Anadón JD, Sánchez-Zapata JA, Carrete M, Donázar JA, Hiraldo F. 2010 b. Large scale human effects on an arid african raptor community. *Animal Conservation* 13: 495-504.

C.2. Congress Only 10 selected contributions are shown; OP= Oral presentation, PS=Poster

Anadón JD (2021) Reconfiguración de ecosistemas en la Península Ibérica post-rural. XV Congreso de la Asociación Española de Ecología Terrestre. Plasencia (Cáceres). OP

Flowers M, Faggiones M, Brewer A, Anadón JD, Ginsberg J (2020) Competing for Carrion: Interactions Between Vertebrate and Invertebrate Scavengers, National Conferences on Undergraduate Research (NCUR), Montana, USA. PS

Brewer AL, Anadón JD (2019) The response of the vertebrate scavenger community to urbanization follows the intermediate disturbance hypothesis. 104th Annual Meeting, Ecological Society of America (ESA) Louisville KY, USA. OP

Bhattacharjee A, Sadadev BM, Karmacharya D, Sánchez-Zapata JA, Anadón JD (2019) A socioecological approach to examining the perceptions of scavengers as ecosystem service providers among farmers in Nepal. 104th Annual Meeting, Ecological Society of America (ESA) Louisville KY, USA. OP

Alamo MA, Abellan A, Breceda A, Gimenez A, Anadón JD (2019) Novel and disappearing community assemblages of trees in Mexico due to climate change. 104rd Annual Meeting, Ecological Society of America (ESA) Louisville KY, USA. PS

Brewer AL, Anadón JD (2018) Vertebrate scavenging along an urbanization gradient: Patterns in community composition and scavenging efficiency. 103rd Annual Meeting, Ecological Society of America (ESA) New Orleans LO, USA. PS

Anadón JD, Bhattacharjee A, Krakauer N, and the Nepal USAID climate change & biodiversity project team (2017) A review of the impacts of climate change on biodiversity in Nepal. International Conference on biodiversity, Climate Change assessment and impacts on Livelihood. Kathmandu, Nepal, OP

Anadón JD, Bhattacharjee A, Krakauer N, and the Nepal USAID climate change & biodiversity project team. A modeling framework to study the impacts of climate change on biodiversity in the CHAL area (Nepal). International Conference on biodiversity, Climate Change assessment and impacts on Livelihood. Kathmandu, Nepal. PS

Abellán P, Anadón JD, Cardador L, Carrete M, Tella JL (2015) Insights into bird invasion trends from long-term data: Invasion pathways, phylogenetic bias, and the tens rule in Spain and Portugal. Oral presentation. 100th Annual Meeting, Ecological Society of America (ESA). Baltimore, MD (USA). OP

Anadón JD, Sala OE, Tuner BL II, Bennett EM (2013) Impact of woody-plant encroachment on animal production in US Grasslands. Comunicación oral. 98th Annual Meeting, Ecological Society of America (ESA). Minneapolis, MN, USA. OP

Pérez I, Royo J, Sánchez-Zapata JA, Ferrari C, Anadón JD, Eguía S, Pastor A, Martínez E. (2009) Assessing the use of social surveys in estimating ungulate populations: barbary sheep in Southeast Spain. 5th world congress on mountain ungulates. Granada (Spain). OP

C.3. Research projects (max. 10 selected contributions)

- 2022-2024 (IP) Impactos ecológicos de los cambios en la cabaña ganadera extensiva en Aragón (ECOGAN). Proyectos de I+D+i en líneas prioritarias y de carácter multidisciplinar del Gobierno de Aragón 2021-2023. (101.346 Eur) Co-PI: Yolanda Pueyo
- 2022/2024. "Monitoring herbivores and vegetation in high mountain systems for novel ecosystem and grazing management of high-nature-value social ecological landscapes". TED2021-130005B-C22 Proyectos de transición ecológica y digital. Ministry of Science and Innovation. 2022-2024. PI: JD Anadón y Y. Pueyo (IPE-CSIC). 116150€. Role: PI.
- 2020-2024 (Co-IP) Bienestar social y sostenibilidad de sistemas ganaderos: Síntesis y modelado socio-ecológico ante cambios globales PID2019-104020RA-I00. Agencia Estatal de Investigación. (86.273 €). PI: Irene Pérez Ibarra
- 2017-2018 (PI) Impact of urbanization on soil microbial and virus communities. PSC-CUNY 47 Research Enhancement Grant (46,000 Eur)
- 2016-2019 (co-PI) Changes in the species ranges in response to climate change: genetic and demographic consequences in relation to life history traits. PI: A Gimenez (UMH, Spain). Spanish Ministry of Science and Technology. (205,000 Eur)
- 2015-2019 (Co-PI) Participatory Biodiversity and Climate Change Assessment for Integrated Pest Management in the Chitwan-Annapurna Landscape. PI: Nir Krakauer City College CUNY. Funding source: USAID. (868,905 Eur)
- 2014-2017 (Co-PI) Strategies for the recovery of apex predator in The Mediterranean Sea. PI: Jose A Garcia-Charton. University of Murcia (Spain). Funding source: Spanish Ministry of Science and Technology. (198,000 Eur)
- 2016 (PI) Changes in fish communities in Jamaica Bay. 2016 Fellowship and Internship Program, Science and Resilience Institute at Jamaica Bay. (9,000 Eur)
- 2012-2015 (Co-PI) Global change and species distributions: modelling the historic range expansion of the spur-thighed tortoise in southeast Iberia and future scenarios. PI: Dr. A. Giménez (UMH, Spain), T. Wiegand (UFZ, Germany). Funding source: Spanish Ministry of Science and Technology (CGL2012) (120,000 Eur)
- 2012-2015 (Co-PI) Structure and function of biodiversity: the role of the scavenger community in ecosystem. PI: Dr. JA Sanchez-Zapata (UMH, Spain). Funding source: Spanish Ministry of Science and Technology (CGL2012) (133,000 Eur).

C.4. Contracts, technological or transfer merits

Actuaciones de seguimiento ecológico en el medio natural de Aragón. Cartografía e inventario de pastizales del Paisaje Protegido de la Sierra de Santo Domingo. Identificación de espacios, especies y hábitats especialmente vulnerables a los efectos del cambio climático." 2022. Coord.: Y. Pueyo (IPE- CSIC). 37.500€. Gobierno de Aragón. Role: Researcher. 9 Researchers.

"Actuaciones de seguimiento ecológico en el medio natural de Aragón, con especial incidencia en la Red Natura 2000 y en el PN de Ordesa y Monte Perdido". 2021. Coordinator: Y. Pueyo (IPE- CSIC). 37.500€. Gobierno de Aragón. Role: Co-PI. 9