

Part A. PERSONAL INFORMATION

CV date	11/0412024
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First and Family name	José Antonio Sánchez Zapata		
Social Security, Passport, ID number		Age	
Researcher numbers	Researcher ID	H-1413-2015	
	Author ID	6603150965	
	ORCID code	0000-0001-8230-4953	

A.1. Current position

Name of University/Institution	Universidad Miguel Hernández – UMH		
Department	Biología Aplicada		
Address and Country	Ctra Beniel km 3,2, Orihuela, Alicante, Spain		
Phone number	690792774	E-mail	toni@umh.es
Current position	Full professor	From	2020
UNESCO code	240106 - Ecología Animal		
Key words	Ecology, Conservation Biology, Ecosystem Services		

A.2. Education

Degree/PhD	University	Year
Lic. Biología	Universidad Murcia – UM	1992
Doctorado Ecología	Universidad Murcia – UM	1999

A.3. JCR articles, h Index, thesis supervised...

Total articles: 166, JCR.

Total citations: 8575, Google Scholar.

H index: 52, Google Scholar.

Student supervision – **9 PhDs**: 4 in last 5y plus 4 *in progress* and **14 Master Thesis**.

Number of Sexenios: 4. Date of last sexenio awarded: 2020.

Part B. CV SUMMARY (*max. 3500 characters, including spaces*)

Prof. José Antonio Sánchez-Zapata is a passionate naturalist. He has developed his vocation as an ecologist studying vertebrates in Southeastern Spain. He obtained his Degree in Biological Sciences at Murcia University (UM) in 1992. He stayed at UM until 1999, where he combined his PhD thesis research – on landscape structure and raptor distributions – with part-time jobs in private institutions, which allowed him to develop skills in **applied management and conservation and transferability scientific results**. During this time, he started collaborating with Dr. J.A. Donázar and Dr. F. Hiraldo (EBD-CSIC). As a result, they have shared several scientific expeditions worldwide (Asia, Australia, Africa and South America), which resulted in high impact scientific outcomes and management actions. Together, they have contributed to understand the factors that influence the distribution and abundance of scavengers and the functioning of ecosystems globally. In 1999, he gained an assistant professorship at Applied Biology Dept. (Ecology Area, UMH). Since 2020, he **is a full professor at UMH and enjoys his passion for science and nature through research and teaching activities**.

Research – His research aims to understand species-habitat relationships, population dynamic, competition, predation, scavenging and biodiversity conservation. During the last years, he has contributed to consolidate a research group with a **remarkable scientific production (166 SCI articles, > 70% Q1**; i.e. Nature, Science, Biological Reviews, Ecological Monographs, Bioscience, Ecology) and **high impact in policy making and biodiversity management at local and international level**. These publications reveal a strong international collaboration, with **150 coauthors from 90 different research institutions and 20 countries**. He attended more than 40 congresses (about 70 communications, including 5 invited plenary talks). It is also outstanding his contribution as article referee. He is currently member of the editorial board of Ibis and collaborates in the reviewing of articles in scientific

journals, such as Science, Ecology Letters, Journal of Applied Ecology, Conservation Biology or Biological Conservation. He has lead and collaborated on many successful research projects funded with over 1M € – of which he is the principal investigator on almost than a third of the funds (including 5 projects of the national Research & Development Plan and 2 of the Valencian Regional Government). The aim of these projects was to improve the knowledge of the ecological processes and inform biodiversity management conservation at different organization levels: population (demography, habitat, diet, interactions, etc...), guild, community, or ecosystems (functions and services).

Teaching and student supervision – Prof. Sánchez-Zapata has a **strong track record of high quality training of experienced researchers**. In addition to the training of many Master and PhD students in Conservation Biology and Applied Ecology, several postdocs have complemented their training under the supervision of Prof. Sanchez-Zapata. **Of his PhD trainees all 7 still remain in academia with funded positions:** Dr Martina Carrete was **Ramón y Cajal** and is now a **senior lecturer at Pablo Olavide University**; Dr. E. Sebastian-González is a **Ramon y Cajal** at **University of Alicante**; Dr M. Moleón is a **Ramon y Cajal research fellow at University of Granada**, Dr. J.M. Pérez-García is a **Juan de la Cierva incorporación research fellow at UMH**, Dr. Z. Morales-Reyes is a postdoctoral **research fellow at Centro Estudios Sociales y Jurídicos CSIC-Córdoba**; Dr. Roberto Pascual Rico is a **postdoc research fellow at IREC-CSIC** and Eneko Arrondo is a **postdoc research fellow at UMH**.

Part C. RELEVANT MERITS

C.1. Publications (including books)

Prof. Sánchez-Zapata has published 165 SCI research articles (WoS), 18 non SCI research articles, 3 books, 53 book chapters & 14 science communication articles. Bellow, you can find 10 selected publications since 2012:

- Arrondo, E., Sebastián-González, E., Moleón, M., + 5...& **Sánchez-Zapata, J.A.** (2023). Vulture culture: dietary specialization of an obligate scavenger. ***Proceedings of the Royal Society B: Biological Sciences***, 290: 20221951.
- Durá-Alemañ, C.J., Moleón, M., Pérez-García, J.M., Serrano, D. & **Sánchez-Zapata, J.A.** (2023). Climate change and energy crisis drive an unprecedented EU environmental law regression. ***Conservation Letters***, 16: e12958.
- Moleón, M., Selva, N. & **Sánchez-Zapata, J.A.** (2020). The components and spatiotemporal dimension of carrion biomass quantification. ***Trends in Ecology & Evolution***, 35: 91-92.
- Sebastián-González, E., Barbosa, J. M., Pérez-García, J. M.,+ 42... & **Sánchez-Zapata, J.A.** (2019). Scavenging in the Anthropocene: human impact drives vertebrate scavenger species richness at a global scale. ***Global Change Biology***, 25: 3005-3017.
- Lambertucci, S.A., Navarro, J., **Sánchez-Zapata, J.A.**, (...) & Donázar, J.A. (2018). Tracking data and retrospective analyses of diet reveal the consequences of loss of marine subsidies for an obligate scavenger, the Andean condor. ***Proc. R. Soc. B***, 285 (1879), 20
- Moleón, M., Selva, N. & **Sánchez-Zapata, J.A.** (2020). The components and spatiotemporal dimension of carrion biomass quantification. ***Trends in Ecology & Evolution***, 35: 91-92.
- Moleón, M., **Sánchez-Zapata, J.A.** (2015). The living dead: time to integrate scavenging into ecological teaching. ***BioScience*** 65, 1003-1010.
- Morales-Reyes, Z., Perez-Garcia, J.M., Moleón, M., Botella, F., Carrete, M., Lazcano, C., Moreno-Opo, R., Margalida, A., Donázar, J.A. & **Sánchez-Zapata, J.A.** (2015). Supplanting ecosystem services provided by scavengers raises greenhouse gas emissions. ***Scientific Reports*** 5: 7811.

- Moleón, M., Sánchez-Zapata, J.A., Margalida, A., Carrete, M., Owen-Smith, N. & Donázar, J.A. (2014) Humans and scavengers: evolution of interactions and ecosystem services. **BioScience** 64: 394-403.
- Margalida, A., Bogliani, G., Bowden, C., Donázar, J.A., Genero, F., Gilbert, M., Karesh, W., Kock, R., Lubroth, J., Manteca, X., Naidoo, V., Neimanis, A., **Sánchez-Zapata, J.A.**, Taggart, M., Vaarten, J., Yon, L. Kuiken, T. & Green, R.E. (2014). One health approach to the use of veterinary pharmaceuticals. **Science** 346: 1296-1298.

C.2. Research projects and grants

Prof. Sánchez-Zapata has achieved success in multiple competitive projects funded by national (Ministry of Science and Technology; Generalitat Valenciana) and international research institutes (Leibniz-Institute of Germany).

As Principal Investigator (**395.420 €**):

- Sustainability, ecosystem services and scavengers in agronomic systems: integrating movement ecology, population modeling and social perception. Funding agency: Ministry of Economy and Competitiveness. Duration: 2016-2018. Budget: **147.620 €**.
- Estructura y función de la biodiversidad: el papel de los vertebrados carroñeros en la regulación de servicios ecosistémicos. Funding agency: Ministerio Economía y Competitividad (I+D+i). Duration: 2013- 2015. Budget: **117.000 €**.
- Recursos tróficos, competencia intraespecífica y denso-dependencia: efectos de la disponibilidad de carroñas en la regulación de poblaciones de águila real. Funding agency: CGL2006-BOS10689 I+D. Jóvenes Talentos. Biodiversidad. Ministerio de Educación y Ciencia. Duration: 2006-2009. Budget: **34.000 €**.
- Uso de los restos de herbívoros silvestres por los vertebrados carroñeros: disponibilidad y aprovechamiento del recurso, estructura de comunidades y conservación. Funding agency: CGL2009-12753-C02-02. MICINN(I+D). Duration: 2009-2012. Budget: **96.800 €**.

As collaborator (**565.178€**):

- Conservando poblaciones amenazadas y procesos ecológicos a través de la gestión de especies cinegéticas: ungulados silvestres y aves carroñeras en Andalucía. PI: J.A. Donázar. Funding agency: Junta de Andalucía. Duration: 2014-2017. Budget: **189.500 €**.
- Understanding human-carnivore relationships: from social conflicts to ecosystem services. PI: Berta Martín López. Institute of Ethics and Transdisciplinary Sustainability Research (University Leuphana, Germany). Duration: 2017. Budget: **33.300 €**.
- Deserts full of life: Intermittent rivers as hotspots for terrestrial megafauna functions. PI: Marcos Moleón. Funding agency: Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB), Germany. Duration: 2015-2016. Budget: **13.000 €**.
- Acciones para la conservación de la Cerceta pardilla (*Marmaronetta angustirostris*) en la Península ibérica y norte de Marruecos. IP: Francisco Botella. Fundación Biodiversidad (FB). Duration: 2014- 2015. Budget: **30.000 €**.
- Efectos ecológicos de la distribución espacial de pulsos de recursos tróficos: del individuo a los servicios ecosistémicos. IP: J.A. Donázar. Funding agency: Ministerio de Economía y Competitividad (I+D+i). Duration: 2013-2015. Budget: **100.000 €**.
- Conservación de grandes vertebrados: el cóndor Andino frente al cambio en los ecosistemas y ambientes rurales de Argentina. IP: J.A. Donázar. Funding agency: Fundación BBVA. 2010-2012. Budget: **199.378 €**.

C.3. Contracts

Participation in **12 contracts with companies and public administrations**, for instance:

- Resolución para la investigación sobre aves acuáticas amenazadas en la Zepas y Parques Naturales del Sur de Alicante. Conselleria de Infraestructuras, Territorio y Medio Ambiente, Generalitat Valenciana. Date: 2012. PI: Francisco Botella. Budget: **15.000 €**.

- Convenio para la realización de un proyecto de investigación titulado "Modelo predictivo de zonas de riesgo para las colisiones de aves en tendidos de alta tensión en la Comunidad Valenciana". Red Eléctrica de España. Date 2012. PI: Francisco Botella Budget: **21.479 €**.
- Advice and technical assistance for the design and implementation of a "plan to monitor the steps of fauna and drainage". BIONET SL. Advice and technical assistance. Date: May 2008- Oct 2008. PI: Francisco Botella. Budget: **34.000 €**.

C.4. Awards

Extraordinary Doctorate Award, 2000, University of Murcia.

C.5. Editor and reviewer activities

Prof. Sánchez-Zapata has been **external reviewer for** a number of **national and international science funding agencies** including the **Spanish Foundation of Scientific and Technological Research** (ANEP) and the Argentinean **CONICET**. Since 2013, Prof. Sánchez-Zapata is **Ibis Associate Editor** (IF 2.517; Q1 (1/29) in Ornithology). Moreover, Prof. Sánchez-Zapata has been very active as a reviewer of scientific papers (>250) for more than 40 scientific journals such as: Science, Frontiers in Ecology and the Environment, Journal of Applied Ecology, Journal of Animal Ecology, Ecological Indicators Diversity and Distributions, Conservation Letters, Conservation Biology or Biological Conservation.

C.7. Advisory board membership

Prof. Sánchez-Zapata has been appointed as **advisory board membership for several public national and international agencies**:

- 2010-to date. Scientific advisor for the **Sociedad Española de Ornitología/Birdlife**.
- 2011-to date. Scientific advisor for the **Spanish Ministry for the Ecological Transition** on Avian scavengers working group.
- 2012-2016. EURAPMON **European Science Foundation Research Networking**: Monitoring of raptor population in Europe. National Coordinator for Spain.
- 2017-to date. **United Nations Committee**. Contributing author of the Panel: Intergovernmental Science-Policy Platform ISPP on Biodiversity and Ecosystem Services.
- 2021-to date. **Scientific Committee of the Spanish Government** for the catalogues of Endangered and Invasive Exotic Species

C9. International research stays

Prof. Sánchez-Zapata **lead expeditions** (2-6 weeks) in 8 foreign countries (Kazakhstan, South Africa, Namibia, Brazil, Chile, Mauritania, Mali, Senegal and Australia) **and visited the following research institutes and centres**:

- City Uni. of New York. Queen College, **EEUU**. Sept 2014 - Oct 2014.
- Uni. Nacional del Comahue. IIBM, **Argentina**. Nov 2011- Dec 2011.
- Uni. Nacional del Comahue. IIBM, **Argentina**. Nov 2010 - Dec 2010.
- Universidad Autónoma de Baja California Sur. **México**. Aug1995 - Sept1995.
- McDonald Raptor Research Center. McGill University. **Canada**. Jul 1988 - Aug 1988.

C.10. Supervision of students

Supervisor of 4 postdoctoral researchers, 9 PhD thesis (plus 3 in progress), 14 Master thesis and 20 graduate thesis. Member of the examining panel of 19 PhD students in Spain and United Kingdom.

C.11. Public dissemination of research

Prof. Sánchez-Zapata has disseminated his research results through public lectures, popular national and international publications and interviews with media outlets (radio and TV). He



has also been a consultant on 12 documentaries about his research in Mauritania (2002), Argentina (2006), Australia (2009) and Spain (“Caza y Pesca - Canal +”, “Canal 9” and “Canal Sur”).