

## Maria A. Sans-Fuentes

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### Degrees

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- 2020 M.S. Statistics:** *Benchmark dose risk analysis with mixed-factor quantal data in environmental risk assessment.* The University of Arizona, Tucson, AZ, USA
- 2018 Graduate Certificate in Statistics.** The University of Arizona, Tucson, AZ, USA
- 2004 Ph.D. Biology:** *Biological Study of "Mus domesticus", Ratty 1772, in a Robertsonian polymorphic zone ("Estudio biológico de "Mus domesticus", Ratty 1772, en una zona de polimorfismo Robertsoniano").* University of Barcelona, Spain
- 2004 M.S. Pharmaceutical Sciences – Physiology:** *Study of the effect of Doxazosin as hypotensor in patients with arterial hypertension ("Estudi de l'efecte de la Doxazosina com hipotensor en pacients amb hipertensio arterial").* University of Barcelona, Spain
- 1996 B.S. Biology.** University of Barcelona, Spain

### Work Experience

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- 2022 – Statistician.** Statistics Laboratory, BIO5, The University of Arizona, Tucson, USA
- 2017 – 2020 Research Consultant.** As sole proprietor of Rhostat Consulting LLC, Tucson, Arizona, USA
- 2019 Graduate Assistant.** Department of Health Promotion Sciences, The University of Arizona, Tucson, USA.
- 2014 – 2016 European Project Manager.** Biosphere 2, College of Science, The University of Arizona. Project name "Sustainable Water Action" (SWAN: FP7-INCOLAB-2011; <http://swanproject.arizona.edu>)
- 2012 – 2013 Analyst-Associate Research Scientist.** Department of Physiology, University of Barcelona, Spain
- 2006 – 2008 Postdoctoral Research Associate.** Department of Ecology and Evolutionary Biology, The University of Arizona, Tucson, AZ, USA
- 2001 – 2005 Analyst-Associate Research Scientist.** Department of Physiology, University of Barcelona, Spain
- 2000 – 2001 Research Associate.** Institute of Clinical Biochemistry, Clinic Hospital of Barcelona, Barcelona, Spain.
- 1997 – 2000 Research Associate.** Department of Animal Biology, University of Barcelona, Barcelona, Spain.

## ***Awards and Fellowships***

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- 2021 Award winner (Honorable Mention):** 2021 American Statistical Association. Section on Risk Analysis Student Paper Competition. Paper title: *Benchmark dose risk analysis with mixed-factor quantal data in environmental risk assessment*. Authors: Sans-Fuentes, M.A. and Piegorsch, W.W.
- 2006 Post-Doctoral Study Award,** Fulbright Foundation. To conduct research at the Department of Ecology and Evolutionary Biology, The University of Arizona, Tucson AZ, USA (2006 to 2011)
- 2005 European Doctoral Program Quality Recognition Award,** University of Barcelona
- 2003 Fellowship to conduct research** at the Department of Physiology, College of Pharmacy, University of Barcelona
- 2002 Fellowship to conduct research** at the Department of Animal Biology, University of Barcelona
- 2001 Fellowship to conduct research** at the Department of Physiology, College of Pharmacy, University of Barcelona
- 2000 Travel Award** by Ministry of Education and Science (MEC) to visit the Department of Animal & Human Biology, "La Sapienza" University of Rome, Italy
- 1999 Travel Award** by Ministry of Education and Science (MEC) to visit the Department of Animal & Human Biology, "La Sapienza" University of Rome, Italy
- 1997 Pre-Doctoral Fellowship** for the Training of University Professors (FPI), awarded by the Ministry of Education and Science (MEC) for Doctoral Studies at the University of Barcelona

## ***Professional Meetings and Sessions Organized***

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- 2020 Women in Data Science,** (Tucson, Arizona, April 17); hosted at the University of Arizona, on-line. Co-organizer of the poster session.
- 2016 EU-USA Sustainable Water Action Network (SWAN).** International Student Workshop "Can We Talk? Designing a Transdisciplinary Educational Experience", (Tucson, Arizona, Feb 15, 2016); hosted at Biosphere 2 by The University of Arizona; co-organizer with HV Gupta, C Scott, C Fandel and S Harris (UofA)
- 2016 EU-USA Sustainable Water Action Network (SWAN).** International Conference on *Open Knowledge: Bridging Perspectives to Address Water Challenges*, (Tucson, Arizona, Feb 16-17, 2016); hosted by The University of Arizona; co-organizer with HV Gupta, C Scott, R Varady, T Meixner and X Zeng (UofA) and F Popeau (UMI/CNRS)
- 2015 EU-USA Sustainable Water Action Network (SWAN).** Workshop on *Outputs and Perspectives of the Transatlantic Dialogue* (Sofia, Bulgaria, Apr 20-24); co-organized with Stoyan Nedkov (BASS), HV Gupta and A Serrat Capdevilla (UA/HWR) and F Popeau (UMI/CNRS)
- 2014 EU-USA Sustainable Water Action Network (SWAN) Workshop on *Towards a Framework for a Transatlantic Dialogue on Water: What role for the University of Arizona?*** (Tucson, Arizona, Nov 10-15) co-organized with HV Gupta and A Serrat Capdevilla (UofA), and F Popeau (UMI/CNRS).

## Professional Publications

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### Books (1):

*Water Bankruptcy In The Land Of Plenty: Steps towards a transatlantic and transdisciplinary assessment of water scarcity in Southern Arizona* (2016); Edited by Poupeau F, Gupta HV, A Serrat-Capdevilla, S Harris, **MA Sans-Fuentes** & L Hayde, CRC Press

### Journal Papers (18):

- [18] Gupta HV, Ehsani MR, Roy T, **Sans-Fuentes MA**, Ehret U, Behrangi A (2021). Computing Accurate Probabilistic Estimates of One-D Entropy from Equiprobable Random Samples. *Entropy (Basel)* 23(6):740.
- [17] **Sans-Fuentes MA**, Piegorsch WW (2021). Benchmark dose risk analysis with mixed-factor quantal data in environmental risk assessment. *Environmetrics* 32(5):e2677.
- [16] Bailey O, Combs D, **Sans-Fuentes MA**, Havens CM, Grandner MA, Poongkunran C, Patel S, Berryhill S, Provencio N, Quan SF, Parthasarathy S (2019). *Delayed Sleep Time in African Americans and Depression in a Community-Based Population*. *Journal of Clinical Sleep Medicine* 15(6):857-864.
- [15] Sánchez-Chardi A, García-Pando M, Pujol-Buxó E, **Sans-Fuentes MA**, López-Fuster MJ, and F Muñoz-Muñoz (2018). *Insularity induces changes on body and mandible morphology in a Mediterranean population of the greater white-toothed shrew Crocidura russula*, *Contributions to Zoology* 87: 234-244
- [14] Ventura J, G Bagaria, **MA Sans-Fuentes** and R Pérez-Hernaández (2014), *Common distribution patterns of the marsupials related to physiographical Diversity in Venezuela*, *PLOS ONE* 9: e96714.
- [13] Muñoz-Muñoz F, **Sans-Fuentes MA**, López-Fuster MJ, and Ventura J (2011), Evolutionary modularity of the mouse mandible: dissecting the effect of chromosomal reorganizations and isolation by distance in a Robertsonian system of *Mus musculus domesticus*. *Journal of Evolutionary Biology* 24: 1763-1776.
- [12] **Sans-Fuentes MA**, J García-Valero, J Ventura, and M López-Fuster (2010), *Spermatogenesis in house mouse in a Robertsonian polymorphism zone*. *Reproduction*, 140: 569-581
- [11] Gündüz I, CL Pollock, MD Giménez, DG Förster, TA White, **MA Sans-Fuentes**, HC Hauffe, J Ventura, MJ López-Fuster and JB Searle (2010), *Staggered Chromosomal Hybrid Zones in the House Mouse: Relevance to Reticulate Evolution and Speciation*. *Genes*, 1(2): 193-209
- [10] **Sans-Fuentes MA**, A Díez-Noguera and T Cambras (2010), *Light responses of the circadian system in leptin-deficient mice*, *Physiology & Behavior*, 99: 487-494
- [9] **Sans-Fuentes MA**, J Ventura, MJ López-Fuster and M Corti (2009), *Morphological variability in house mice from the Robertsonian polymorphism area of Barcelona*, *Biological Journal of the Linnean Society*, 97: 555-570
- [8] Teeter KC, BA Payseur, LW Harris, MA Bakewell, LM Thibodeau, JE O'Brien, JG Krenz, **MA Sans-Fuentes**, MW Nachman and PK Tucker (2008), *Genome-wide Patterns of Gene Flow across a House Mouse Hybrid Zone*, *Genome Research*, 18: 67-76

- [7] **Sans-Fuentes MA**, F Muñoz-Muñoz, J Ventura and MJ López-Fuster (2007), *Rb (7.17), a rare Robertsonian fusion in wild populations of the house mouse*, Genetical Research, 89: 207-213
- [6] Muñoz-Muñoz F, **MA Sans-Fuentes**, MJ López-Fuster and J Ventura (2006), *Variation in fluctuating asymmetry levels across a Robertsonian polymorphic zone of the house mouse*, Journal of Zoological Systematics and Evolutionary Research, 44: 236-250
- [5] **Sans-Fuentes MA**, MJ López-Fuster, J Ventura, A Díez-Noguera and T Cambras (2005), *Effect of Robertsonian translocations on circadian rhythm of motor activity in house mouse*. Behavior Genetics, 35: 603-613
- [4] Muñoz-Muñoz F, **MA Sans-Fuentes**, MJ López-Fuster and J Ventura (2003). *Non-metric morphological divergence in the western house mouse, *Mus musculus domesticus*, from the Barcelona chromosomal hybrid zone*, Biological Journal of the Linnean Society, 80: 313–322
- [3] Díez-Noguera A, **MA Sans-Fuentes** and X Sarrias (2002), *Cuantitative analytical methods for evaluating ambulatory blood pressure registries*, Nefrología, Vol 22, Sup 3: 47-53
- [2] **Sans-Fuentes MA** and J Ventura (2000), *Biogeographical analysis of the small mammals in a contact zone between the Eurosiberian and the Mediterranean regions*, Journal of Biogeography, 27: 755-764
- [1] Ventura J and **MA Sans-Fuentes** (1997), *Geographic variation and divergence in nonmetric cranial traits of *Arvicola* (Mammalia, Rodentia) in southwestern Europe*, Zeitschrift für Säugetierkunde, 62: 99-107

**Book Chapters (8):**

- [8] **Sans-Fuentes MA** and T Meixner (2016 Invited), *Water Management and Biodiversity Conservation: The Role of Biodiversity in the Hydrological Cycle in Tucson Area - A Review*, Chapter 14 in: *Water Bankruptcy In The Land Of Plenty: Steps towards a transatlantic and transdisciplinary assessment of water scarcity in Southern Arizona*, Eds: Gupta HV, F Poupeau, MA Sans-Fuentes & A Serrat-Capdevilla, CRC Press.
- [7] Poupeau F, HV Gupta, **MA Sans-Fuentes** & A Serrat-Capdevilla (2016 Invited), *Preface to Water Bankruptcy In The Land Of Plenty*; Preface to: *Water Bankruptcy In The Land Of Plenty: Steps towards a transatlantic and transdisciplinary assessment of water scarcity in Southern Arizona*, Eds: Gupta HV, F Poupeau, MA Sans-Fuentes & A Serrat-Capdevilla, CRC Press.
- [6] Poupeau F, HV Gupta, **MA Sans-Fuentes** & A Serrat-Capdevilla (2016 Invited), *The idea of a transatlantic dialog*; Chapter 1 in: *Water Bankruptcy In The Land Of Plenty: Steps towards a transatlantic and transdisciplinary assessment of water scarcity in Southern Arizona*, Eds: Gupta HV, F Poupeau, MA Sans-Fuentes & A Serrat-Capdevilla, CRC Press.
- [5] Poupeau F, HV Gupta, **MA Sans-Fuentes** & A Serrat-Capdevilla (2016 Invited), *Organization of the book and mind map*; Chapter 2 in: *Water Bankruptcy In The Land Of Plenty: Steps towards a transatlantic and transdisciplinary assessment of water scarcity in Southern Arizona*, Eds: Gupta HV, F Poupeau, MA Sans-Fuentes & A Serrat-Capdevilla, CRC Press.
- [4] Serrat-Capdevilla A, V Cabello, K Boyanova, F Poupeau, N Hernández-Mora, H Gupta, Z Yang, N Limones, B O’neill, S Segura Calero, E Benites-Gambirazio, R Yaneva, M Coeurdray, J Cortinas, K Kuhn, S Harris, **MA Sans-Fuentes**, EF Curley, L Del Moral, J Valdes, G Schneier-Madanes, O King, DBB Rodrigues and G Salmoral (2016 Invited), *The idea of a transatlantic dialog*; Chapter 21 in: *Water Bankruptcy In The Land Of Plenty: Steps*

towards a transatlantic and transdisciplinary assessment of water scarcity in Southern Arizona, Eds: Gupta HV, F Poupeau, MA Sans-Fuentes & A Serrat-Capdevilla, CRC Press.

- [3] Poupeau F, HV Gupta, **MA Sans-Fuentes** & A Serrat-Capdevilla (2016 Invited), *Next Steps: Collaborative research and training towards transdisciplinarity*; Chapter 22 in: *Water Bankruptcy In The Land Of Plenty: Steps towards a transatlantic and transdisciplinary assessment of water scarcity in Southern Arizona*, Eds: Gupta HV, F Poupeau, MA Sans-Fuentes & A Serrat-Capdevilla, CRC Press.
- [2] **Sans-Fuentes MA** (2011), *Ratón casero – Mus musculus*, In: *Enciclopedia Virtual de los Vertebrados Españoles*. Eds: Salvador A & Cassinello J, Museo Nacional de Ciencias Naturales, Madrid. <http://www.vertebradosibericos.org/>
- [1] **Sans-Fuentes MA** (2002), *Mus domesticus* Ruddy, 1772. Pp. 420-423. In: L. J. Palomo y J. Gisbert (eds). *Atlas de los Mamíferos Terrestres de España*. MA-1.730-2002. ISBN: 84-8014-431-9

#### **Conference Abstracts (4):**

- [4] Bailey O, **Sans-Fuentes M**, Havens C, Combs D, Grandner MA, Poongkunran C, Patel SN, Berryhill S, Provencio N, Quan SF and S Parthasarathy (2018), *Delayed Sleep Time In African Americans And Depression In A Community-Based Population*, *Sleep*, 41 (Suppl 1): 0652
- [3] **Sans-Fuentes MA**, X Sarrias and A Díez-Noguera (2007), *Long term study of the effects of eprosartan on arterial hypertensive patients*, *Journal of Hypertension*, 25 (Suppl. 2): S220
- [2] **Sans-Fuentes MA**, X Sarrias and A Díez-Noguera (2007), *Evaluation of the 24-hour blood pressure effects of eprosartan in polymedicated patients with resistant hypertension*, *Journal of Hypertension*, 25 (Suppl. 2): S220.
- [1] Sánchez-Chardi A, **MA Sans-Fuentes**, MJ López-Fuster and J Nadal (2003), *Stress assesment on the shrew Crocidura russula exposed to environmental pollution*, *Toxicology Letters*, 144 (Suppl. 1): S174

#### **Professional Reports (3):**

- [3] **Sans-Fuentes MA**, Poupeau F, Harris S and Rambotti, S (2015). Stakeholders Committee recommendations for building the feasibility study 2 (SWAN project Deliverable 5.4)
- [2] **Sans-Fuentes MA** and Poupeau F (2014). First Consortium Report: “An agenda for a Sustainable Water Center” (SWAN project Deliverable 6.3)
- [1] Poupeau F and **Sans-Fuentes MA** (2014). Stakeholders Committee recommendation for building the Feasibility Study (SWAN project Deliverable 5.2)

## **Professional Presentations**

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#### **Invited (6):**

- [6] **Sans-Fuentes MA** and WW Piegorsch (2021), *Benchmark Dose Risk Analysis with Mixed-Factor Quantal Data in Environmental Risk Assessment*, Joint Statistical Meetings – Virtual Conference (August 8-12).
- [5] **Sans-Fuentes MA** (2020), *Mixed-Factor Benchmark Risk Assessment*, presented at the Graduate Recruitment Event of Mathematics Department, University Arizona (Mar).

- [4] **Sans-Fuentes MA** (2012), *Are the circadian clock genes under selection?* presented at Laboratory of Evolutionary Systems Biology, Department of Experimental and Health Sciences (Apr).
- [3] **Sans-Fuentes MA** (2008), *Global warming and mammal adaptation to an increasing temperature*, presented at Young Scientist Meeting, Biosphere 2, Oracle, USA (Oct).
- [2] **Sans-Fuentes MA** and MW Nachman (2008), *Molecular population genetics of male reproductive genes in house mice*, presented at Ecology and Evolutionary Biology Department, University of Arizona, Tucson, USA (Feb).
- [1] **Sans-Fuentes MA** and MW Nachman (2008), *Patterns of genetic variation at male reproductive genes in house mouse*, presented at Evolutionary Biology Unity, Experimental Sciences and Health Department, University Pompeu Fabra, Barcelona, Spain (Jul).

**Contributed (40):**

- 2021** ISI World Statistics Congress - Virtual Conference (July 11-16). Oral Communication: Benchmark Dose Risk Analysis with Mixed-Factor Quantal Data in Environmental Risk Assessment. MA Sans-Fuentes and **Walter W. Piegorsch**
- 2021** Women in Data Science Tucson – Virtual event (April, 21). Oral Communication (Data Blitz): Benchmark Dose Risk Analysis with Mixed-Factor Quantal Data in Environmental Risk Assessment. **MA Sans-Fuentes**
- 2019** Women in Data Science (Tucson, Arizona, April 5). Oral Communication (Data Blitz): Mixed-Factor Benchmark Risk Assessment. **MA Sans-Fuentes**
- 2016** EU-USA Sustainable Water Action Network (SWAN) International Conference on *Open Knowledge: Bridging Perspectives to Address Water Challenges*, (Tucson, Arizona, Feb 16-17) Poster: The Role of Biodiversity in the Hydrological Cycle. The Case of the American Southwest. **MA Sans-Fuentes** and T Meixner
- 2016** EU-USA Sustainable Water Action Network (SWAN) International Conference on *Open Knowledge: Bridging Perspectives to Address Water Challenges*, (Tucson, Arizona, Feb 16-17) Poster: *Water Bankruptcy in the Land of Plenty; Steps Towards a Transatlantic and Transdisciplinary Assessment of Water Scarcity in Southern Arizona*. Poupeau F, H Gupta, A Serrat-Capdevilla, **MA Sans-Fuentes**, S Harris and LG Hayde
- 2015** 8th Ecosystem Services Partnership (ESP) workshop on ‘*Ecosystem Services for Nature, People and Prosperity*’, Stellenbosch, South Africa (Nov 9-13) Poster: *Water Bankruptcy in the Land of Plenty; Steps Towards a Transatlantic and Transdisciplinary Assessment of Water Scarcity in Southern Arizona*. Boyanova K, Poupeau F, H Gupta, A Serrat-Capdevilla, and **MA Sans-Fuentes**
- 2014** 5th SWAN Progress Meeting & Workshop "*Towards a Framework for a Transatlantic Dialogue on Water: What Role for the University of Arizona?*" (Tucson, USA) Oral communication: Water management and biodiversity: Where is the fauna? **Sans-Fuentes, M. A**
- 2010** 12<sup>th</sup> International Conference Rodens et Spatium. Zonguldak (Turquia). Poster: *Bioaccumulation of essential metals and effects in Mus spretus inhabiting agricultural soils amended with biosolids* (Sánchez-Chardi, A., Medarde, N., Lapuente, J., Guix, J. C., **Sans-Fuentes, M. A.**, Cañas, R., Fernández, O., García-Pando, M., Ventura, J. & M. J. López-Fuster)
- 2009** IX Jornadas Españolas de Conservación y Estudio de Mamíferos. Bilbao (Espanya). Poster: *Efecto de las translocaciones Robertsonianas en la espermatogénesis del ratón*

- doméstico*. (**Sans-Fuentes, M. A.**, García-Valero, J., Ventura, J. & M. J. López-Fuster).
- 2008** Annual Meeting for the Society for Molecular Biology and Evolution. Barcelona (Espanya). Poster: Patterns of genetic variation at male reproductive genes in house mouse (**Sans-Fuentes, M.A.** & M. W. Nachman)
- 2008** VIII Jornades de Biologia Evolutiva. Barcelona (Espaya). Oral communication: Patrons de variació genètica de gens reproductius en mascles del ratolí domèstic (**Sans-Fuentes, M.A.** & M. W. Nachman)
- 2007** VII Jornades de Biologia Evolutiva. Barcelona (Espaya). Oral communication: Genètica molecular poblacional de gens relacionats amb la reproducció en el ratolí domèstic (**Sans-Fuentes, M.A.** & M. W. Nachman)
- 2007** Annual Meeting for the Society for Molecular Biology and Evolution. Halifax (Canadà). Poster: Molecular population genetics of male reproductive genes in house mice (**Sans-Fuentes, M.A.** & M. W. Nachman)
- 2007** European Meeting of Hypertension. Milan (Itàlia). Poster: Evaluation of the 24-hour blood pressure effects of eprosartan in polymedicated patients with resistant hypertension. (**Sans-Fuentes, M. A.**, Sarrias, X. & A. Díez-Noguera).
- 2007** European Meeting of Hypertension. Milan (Itàlia). Poster: Long term study of the effects of eprosartan on arterial hypertensive patients (**Sans-Fuentes, M. A.**, Sarrias, X. & A. Díez-Noguera).
- 2005** 10ª Reunión Nacional de la Sociedad española de Hipertensión. Barcelona (Espanya). Poster: Estudio comparativo del ritmo circadiano de elasticidad vascular y presión arterial de pacientes normotensos, e hipertensos antes y después del tratamiento con doxazosina. (Sarrias Lorenz, X., **Sans-Fuentes, M. A.** & Díez Noguera)
- 2004** XVII Jornades Catalanes sobre Hipertensió Arterial. Ritme circadiari d'elasticitat vascular en pacients normotensos i hipertensos. (Sarrias, X., **Sans-Fuentes, M. A.** & A. Díez-Noguera).
- 2004** XVII Jornades Catalanes sobre Hipertensió Arterial. Estudi a llarg termini (10 anys) de l'efecte de la doxazosina en el tractament de la hipertensió arterial no controlada. (**Sans-Fuentes, M. A.**, Sarrias, X. & A. Díez-Noguera).
- 2004** 9<sup>th</sup> International Conference Rodens et Spatium. Lublin (Polònia). Poster: Cytogenetic analysis of the house mouse in the Robertsonian polymorphic zone of Barcelona (**Sans-Fuentes, M. A.**, Muñoz-Muñoz, F., Ventura, J. & M. J. López-Fuster).
- 2004** 9<sup>th</sup> International Conference Rodens et Spatium. Lublin (Polònia). Poster: Study of motor activity rhythm in two populations of house mouse from a Robertsonian polymorphic zone. (**Sans-Fuentes, M. A.**, López-Fuster, M. J., Ventura, J., Díez-Noguera, A. & T. Cambras).
- 2004** 9<sup>th</sup> International Conference Rodens et Spatium. Lublin (Polònia). Poster: Fluctuating asymmetry patterns in two morphological units of the house mouse mandible across a chromosomal hybrid zone. (Muñoz-Muñoz, F., **Sans-Fuentes, M. A.**, López-Fuster, M. J. & J. Ventura).
- 2003** 4<sup>th</sup> European Congress of Mammalogy. Brno (República Txeca). Poster: Fluctuating asymmetry in mandible traits as a measure of developmental stability in *Mus musculus domesticus* from the Barcelona chromosomal hybrid zone. (Muñoz-Muñoz, F., **Sans-Fuentes, M. A.**, López-Fuster, M. J. & J. Ventura).
- 2003** 41<sup>th</sup> Congress of the European Societies of Toxicology. EUROTOX 2003. Florence (Itàlia). Poster: Stress assessment on the shrew *Crocidura russula* exposed to environmental pollution. (Sánchez-Chardi, A., **Sans-Fuentes, M. A.**, López-Fuster, M. J. & J. Nadal).

- 2003** V Jornadas Españolas de Conservación y Estudio de Mamíferos. Ciudad Real (Espanya). Poster: Estudio preliminar del ritmo de actividad motora de dos poblaciones Robertsonianas del ratón doméstico, *Mus musculus domesticus* (Rutty, 1772). (**Sans-Fuentes, M. A.**, López-Fuster, M. J., Ventura, J., Cambras, T. & A. Díez-Noguera).
- 2003** V Jornadas Españolas de Conservación y Estudio de Mamíferos. Ciudad Real (Espanya). Poster: Efecto de la contaminación sobre la estabilidad del desarrollo en la musaraña común, *Crocidura russula* (Hermann, 1780). (**Sans-Fuentes, M.A.**, Sánchez-Chardi, A., López-Fuster M.J. & J. Nadal).
- 2002** VII Reunión de grupos de cronobiología y cronopsicología. Bellaterra (Espanya). Oral communication: Relación específica entre el incremento de la pared posterior del ventrículo y diversas variables derivadas de la MAPA. (**Sans-Fuentes, M. A.**, Sàrrias, X., Cambras, T., Vilaplana, J. & Díez-Noguera, A.).
- 2002** 8<sup>th</sup> International Conference Rodens et Spatium. Louvain-la-Neuve (Bèlgica). Poster: Fluctuating asymmetry in a *Mus domesticus* hybrid zone. (**Sans-Fuentes, M. A.**, López-Fuster, M. J., Ventura, J. & Corti, M.).
- 2002** 8<sup>th</sup> International Conference Rodens et Spatium. Louvain-la-Neuve (Bèlgica). July. Poster: *Non-metric cranial trait variation in Mus domesticus from the Barcelona chromosomal hybrid zone.* (Muñoz-Muñoz, F., **Sans-Fuentes, M. A.**, López-Fuster, M. J. & J. Ventura).
- 2001** V Jornadas Españolas de Conservación y Estudio de Mamíferos. Vitoria-Gasteiz (Espanya). Oral communication: Estudio de la espermatogénesis en una zona híbrida de *Mus domesticus*. (**Sans-Fuentes, M. A.**, García-Valero, J., Ventura, J. & López-Fuster, M. J.).
- 2001** V Jornadas Españolas de Conservación y Estudio de Mamíferos. Vitoria-Gasteiz (Espanya). Oral communication: Efecto del polimorfismo robertsoniano en la estructura genética poblacional de *Mus domesticus*. (**Sans-Fuentes, M. A.**, Ventura, J. & López-Fuster, M. J.).
- 2001** V Jornadas Españolas de Conservación y Estudio de Mamíferos. Vitoria-Gasteiz (Espanya). December. Poster: Polimorfismo epigenético en una zona híbrida cromosómica de *Mus domesticus* (Rodentia:Muridae). (Muñoz Muñoz, F., **Sans-Fuentes, M. A.**, López-Fuster, M. J. & Ventura, J.).
- 2000** IV Jornadas Españolas de Conservación y estudio de Mamíferos. Segovia (Espanya). Poster: Citogenética poblacional de *Mus musculus domesticus* en una zona híbrida del nordeste ibérico. (**Sans-Fuentes, M. A.**, Ventura, J. & López-Fuster, M. J.).
- 2000** 7<sup>th</sup> International Conference Rodents et Spatium. Ceské Budejovice (República Txeca). Poster: Geometric morphometrics in a *Mus musculus domesticus* hybrid zone. (**Sans-Fuentes, M. A.**, Corti, M., Ventura, J. & López-Fuster, M. J.).
- 2000** 7<sup>th</sup> International Conference Rodents et Spatium. Ceské Budejovice (República Txeca). Poster: Preliminary data on male gametogenesis in wild house mouse (*Mus musculus domesticus*) from a chromosomal hybrid zone. (**Sans-Fuentes, M. A.**, García-Valero, J., Ventura, J. & López-Fuster, M. J.).
- 2000** 61° Congresso Nazionale Unione Zoologica Italiana. S. Benedetto del Tronto (Itàlia). Poster: La zona di ibridazione "Barcellona" di *Mus musculus domesticus*: variazione in forma e dimensioni tramite morfometria geometrica. (**Sans-Fuentes, M. A.**, Corti, M., Ventura, J. & López-Fuster, M. J.).



- 1998** Euro-American Mammal Congress. Santiago de Compostela (Espanya). Poster: Biogeographical analysis of the small mammals in a contact zone between the Eurosiberian and the Mediterranean regions. (**Sans-Fuentes, M. A.**, Márquez, A & Ventura, J.).
- 1998** Euro-American Mammal Congress. Santiago de Compostela (Espanya). Poster: Helminth parasitism in a Spanish hybrid zone of *Mus musculus domesticus*. (**Sans-Fuentes, M. A.** Feliu, C., López-Fuster, M. J., Ventura, J., Günduz, I. & Searle, J.)
- 1997** III Jornadas Españolas de Conservación y estudio de Mamíferos. Castelló d'Empúries, Girona (Espanya). Poster: Análisis biogeográfico cuantitativo de las especies de insectívoros y roedores de Cataluña. (**Sans-Fuentes, M. A.**, Márquez, A. L. & Ventura, J).
- 1997** III Jornadas Españolas de Conservación y estudio de Mamíferos. Castelló d'Empúries, Girona (Espanya). Poster: Caracterización de la zona híbrida entre la raza cromosómica Barcelona y la raza estándar de *Mus domesticus*. (Günduz, I., López-Fuster, M. J., Ventura, J., **Sans-Fuentes, M. A.** & Searle, J.).
- 1995** II Jornadas Españolas de Conservación y estudio de Mamíferos. Soria (Espanya). Poster: Variación geográfica y divergencia de caracteres craneales no métricos en *Arvicola* (Mammalia, Rodentia). (**Sans-Fuentes, M. A.** & Ventura, J).

## ***Other Conferences Attended***

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- 2014** American Geophysical Union (AGU) Fall Meeting. San Francisco, USA.
- 2014** European Geosciences Union (EGU), General Assembly. Vienna, Austria.
- 2013** American Geophysical Union (AGU) Fall Meeting. San Francisco, USA.

## ***Affiliated Associations***

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**American Statistical Association (ASA):** member since 2021

**Arizona Alpha Chapter of Mu Sigma Rho:** member since 2021

## ***Skills***

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**Programming Languages:** *R, LaTeX, SAS, SPSS*

**Languages:** *English (fluent), Spanish (native), Catalan (native), Italian (Intermediate)*