

# Curriculum Vitae

*José M. Fedriani*

*Centre for Applied Ecology "Prof. Baeta Neves"/InBio,  
Institute Superior of Agronomy, University of Lisbon,  
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## *Personal*

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Date and place of birth: April 5<sup>th</sup>, 1968, Seville, Spain

Languages: Spanish (mother tongue)  
English (high level)

## *Academic career*

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- Sep 89-Sep 91:* First four bachelor courses of Biological Sciences at the University of Valencia (Spain).
- Sep. 92:* Undergraduate studies in Biological Sciences in the University of Seville (Spain).
- Mar. 97:* PhD in Biological Sciences by the University of Seville.

## *Research lines*

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Plant-animal interactions, agent-based models, global change, plant population dynamics, old-field recolonization, coevolution, mutualisms, cheating, novel interactions

## *Contracts and fellowships*

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- Jul. 2014–present:* Senior FCT-researcher at the Center for Applied Ecology Prof. Baeta Neves/InBio, Institute Superior of Agriculture, University of Lisbon (Portugal) and associated researcher at the Doñana Biological Station (Seville, Spain).
- Jul. 2012–Jun 2014:* Experienced post-doctoral Marie Curie fellow and associate researcher at the Dept. of Ecological Modelling (UFZ, Germany) and "Associated researcher" at the Doñana Biological Station (Seville, Spain).
- Jul. 08–Jun 12:* Hired postdoctoral by the Spanish Research Council.
- Jul.03– Jun 08:* Ramón & Cajal post-doctoral fellow by the Ministry of Education and Science

of Spain at EBD.

- Jul.00– Jun 03:* Post-doctoral fellow from the Ministry of Education and Science of Spain at EBD.
- Sep. 99–Nov. 99:* Technician contract by Spanish Research Council
- Apr. 97– Mar. 99:* Post-doctoral MEC fellow and associate researcher at the University of Massachusetts (USA).
- Jan. 93–Dec 96:* Pre-doctoral fellow from the Education and Science Ministry of Spain.
- Oct. 92–Dec. 92:* Undergraduate fellow from the Spanish Research Council to start the PhD studies.

### **Grants**

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- Jul. 2014 – Jun.20 19:* Old-Field Recolonization in the Mediterranean Europe. FCT-Portugal (IP, José M. Fedriani). Ref. IF/00728/2013 (50.000 euros).
- Jul. 2012 –Jun.20 14:* Old-Field Recolonization: Incorporating Allee Effects and Disperser Behaviour into Complex Recruitment Kernels. Marie Curie program. Intraeuropean (ref. FP7-PEOPLE-2011-IEF (231.547 euros, IPs José M. Fedriani & Thorsten Wiegand).
- Jan. 2009 –Dec.2011:* Ecological engineers in the Doñana landscape: combined effect of seed dispersal by vertebrates and linear developments on the Mediterranean shrubland. Environment Ministry of Spain. Ref. 070/2009 (104.937 euros, IP José M. Fedriani).
- Dec. 2007 –Nov. 2010:* Local adaptation and recruitment in the Iberian pear *Pyrus bourgaeana* Decne: consequence of plant-animal interactions in fragmented landscapes. Education and Science Ministry of Spain. Ref. CGL2007-63488/BOS (123.420 euros, IP José M. Fedriani).
- Dec. 2004 –Nov. 2007:* Toxic fruits and frugivorous mice: a case of coevolution? Education and Science Ministry of Spain. Ref. CGL2004-00094/BOS (34.000 euros, IP José M. Fedriani).
- Jan. 2005 –Dec. 2007:* Seed dispersal by mammals in Doñana: mutualism benefits and consequences for the management of the National Park. Environment Ministry of Spain. Ref. 15/2003 (58.706 euros, IP José M. Fedriani).
- Mar. 1998 –Mar. 1999:* Diets of three sympatric carnivores in the Santa Monica Mountains National Recreational Area. USA National Park Service (5000\$, IPs José M. Fedriani & Todd Fuller).

## *Participation in other research projects*

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- Jan. 2014 - Dic. 2014:* The gardener owl: indirect seed dispersal and soil nutrient enrichment may enhance local plant biodiversity and alter its spatial distribution. “Microproyectos” financed by the Spanish Ministry of Economy and Competitiveness, through the Severo Ochoa Program for Centres of Excellence in R+D+I SEV-2012-0262. (IP, Vincenzo Penteriani)
- Jan. 2011 – Jul. 2012:* Scale dependent Allee-effects in small populations of Mediterranean shrubs: is benefiting to have even relatives as neighbours? Education and Science Ministry of Spain (IP, Miguel Delibes).
- Dec. 00 – Nov. 03:* Geographic mosaic plant-ant in *Helleborus foetidus*: mutualism, demography, and geographical variation. Education and Science Ministry of Spain (IP, Xim Cerdá).
- Dec.95-Dec.96:* Habitat selection by the Iberian lynx: factors related with its decline and a viability population model. European Union LIFE-program (IP, Miguel Delibes).
- Dec.95-Dec.98:* Competitive interactions among mammalian carnivores: evidence, quantification and indirect effect on other community species. Education and Science Ministry of Spain (IP, Francisco Palomares).
- Dec.91-Dec.94:* Effects of human activities on the lynx *Lynx pardinus* population of Doñana. Education and Science Ministry of Spain (IP, Miguel Delibes).

## *Peer-reviewed articles*

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*In review:*

49. **Fedriani JM**, García L, Sánchez M, Calderon J, and C Ramo. *3<sup>rd</sup> review*. Long-term impact of protected colonial birds on a jeopardized cork oak population: conservation bias leads to restoration failure.
48. Kazmierczak M, P Backmann, **JM Fedriani**, R Fischer, AK Hartmann, Huth A, F May, MS Müller, F Taubert, V Grimm, J Groeneveld. *2<sup>nd</sup> review*. Mechanisms of monodominance in tropical forests: colonization competition trade off, emerging clusters and phase transitions.
47. Jácome-Flores M.E., M. Delibes, T. Wiegand and **J.M. Fedriani**. *In review*. Spatial patterns of an endemic Mediterranean palm at its colonization front.
46. Lecomte X, **Fedriani JM**, MC Caldeira, AS Clemente, A Olmi, MN Bugalho. *In review*. Too many is too bad: long-term net negative effects of overabundant ungulates on a dominant Mediterranean shrub.

*Published/In press:*

45. Penteriani V, MM Delgado, F Pinchera, J Naves, A Fernández-Gil, I Kojola, S Härkönen, H Norberg, J Frank, **JM Fedriani**, V Sahlén, O-G Støen, JE Swenson, P Wabakken, M Pellegrini, S Herrero, J López Bao. 2016. Human behaviour may trigger large carnivore attacks in developed countries. *Scientific Reports*, *in press*.
44. Suárez-Esteban A, L. Fahrig, M. Delibes and **JM Fedriani** 2016. Do human-created linear gaps increase plant abundance and diversity? *Landscape Ecology*, 9 pp., DOI 10.1007/s10980-015-0329-7
43. **Fedriani JM** and A Suárez-Esteban. 2015. Frutos, semillas, y mamíferos frugívoros: diversidad funcional de interacciones poco estudiadas. *Ecosistemas* 24: 1-4. Doi.: 10.7818/ECOS.2015.24-3.01
42. Peris JE, **Fedriani JM**, Peña L. 2015. Los mamíferos frugívoros prefieren frutos de cítricos infectados por *Penicillium digitatum*: ¿se equivocaba Janzen? *Ecosistemas* 24: 5-13. Doi.: 10.7818/ECOS.2015.24-3.02
41. González-Varo JP, **JM Fedriani**, JV López-Bao, J Guitián and A Suárez-Esteban. 2015. Frugivoría y dispersión de semillas por mamíferos carnívoros: rasgos funcionales. *Ecosistemas* 24: 43-50. Doi.: 10.7818/ECOS.2015.24-3.07
40. Suárez-Esteban A and **Fedriani JM** (eds). 2015. Frutos, semillas, y mamíferos frugívoros: diversidad funcional de interacciones poco estudiadas. *Ecosistemas* 24: 1-50.
39. **Fedriani JM**, Garrote PJ, Delgado MM and V Penteriani. 2015. Subtle gardeners: inland predators enrich local topsoil and enhance plant growth. *PlosOne*, DOI 10.1371/journal.pone.0138273
38. **Fedriani JM**, T Wiegand, G Calvo, A Suárez-Esteban, M Jácome, M Żywiec, and Miguel Delibes. 2015. Unraveling density and distance dependence of plant reproduction using a spatially explicit framework. *Journal of Ecology* 5: 1344–1353.
37. Delibes M., M. Blázquez, **JM Fedriani**, A Granados, L Soriano and A Delgado 2015. Isotopic niche variation in a higher trophic level ectotherm: highlighting the role of succulent plants in desert trophic webs. *PLOS One*. DOI: 10.1371/journal.pone.0126814
36. Rodríguez M, M. Delibes and **JM Fedriani**. 2014. Hierarchical levels of seed predation variation by introduced beetles on an endemic Mediterranean palm. *PLOS One*. DOI: 10.1371/journal.pone.0109867
35. Suárez-Esteban A, Delibes M., and **JM Fedriani**. 2014. Unpaved roads disrupt the effect of herbivores and pollinators on the reproduction of a dominant shrub. *Basic & Applied Ecology*. DOI: 10.1016/j.baae.2014.08.001
34. López-Bao, J. V., Rodríguez, A., Delibes, M., **Fedriani, J. M.**, Calzada, J., Ferreras, P., & Palomares, F. 2014. Revisiting food-based models of territoriality in solitary predators. *Journal of Animal Ecology* 83: 934-942.

33. **Fedriani JM** and T. Wiegand. 2014. Hierarchical mechanisms of spatially contagious seed dispersal in complex seed-disperser networks. *Ecology* 95:514–526.
32. **Fedriani JM** and M Delibes. 2013. Pulp feeders alter plant interactions with subsequent animal associates. *Journal of Ecology* 101: 1581-1588.
31. Suárez-Esteban, A., Delibes, M. and **JM Fedriani**. 2013. Unpaved road verges as hotspots of fleshy-fruited shrub recruitment and establishment. *Biological Conservation* 167: 50-56.
30. Suárez-Esteban A, M Delibes, and **JM Fedriani**. 2013. Barriers or corridors? The overlooked role of unpaved roads in endozoochorous seed dispersal. *Journal of Applied Ecology* 50: 767-774.
29. Perea R, M Delibes, Polko M, Suárez A, **JM Fedriani** 2013. Context-dependent fruit-frugivore interactions: partner identities and spatio-temporal variations. *Oikos* 122: 943-951.
28. Penteriani, A Kuparinen, MM Delgado, F Palomares, JV López-Bao, **JM Fedriani**, J Calzada, S Moreno, R Villafuerte, L Campioni and Rui Lourenzo. 2013. Responses of a top and a meso predator and their prey to moon phases. *Oecologia* 173:753-766.
27. **Fedriani JM**, Zywiec M and M Delibes. 2012. Thieves or mutualists? Pulp feeders enhance local endozoochore recruitment. *Ecology*. 93:575–587.
26. Delibes M, Corbacho C, Calvo G, and **JM Fedriani**. 2012. Agriculture as ‘matchmaker’ of unexpected mutualisms: Great bustard disperses and enhances germination of domestic olive seeds. *Basic & Applied Ecology* 13: 125–131.
25. Zywiec M, M Delibes and **JM Fedriani**. 2012. Microgeographic, inter-individual, and intra-individual variation in the inflorescences of Iberian pear *Pyrus bourgaeana* (Rosaceae). *Oecologia* 169: 713-722.
24. **Fedriani JM** and M. Delibes 2011. Dangerous liaisons disperse the Mediterranean dwarf palm: defensive flesh-pulp role against seed predators. *Ecology* 92: 304-312.
23. **Fedriani JM**, Wiegand T. and M. Delibes. 2010. Spatial pattern of adult trees and the mammal-generated seed rain in the Iberian pear. *Ecography* 33:445-455.
22. **Fedriani JM** and M. Delibes 2009. Seed dispersal in the Iberian pear *Pyrus bourgaeana*: a role for infrequent mutualists. *Ecoscience* 16: 311-321.
21. **Fedriani JM** and M. Delibes 2009. Functional diversity in fruit-frugivore interactions: a field test with Mediterranean mammals. *Ecography* 32: 983-992.
20. Alcántara JM, Rey PJ, Manzaneda AJ, Boulay R, Ramírez JM and **Fedriani JM** 2007. Geographic variation in the adaptive landscape for seed size in a mymecochorous herb. *Evolutionary Ecology* 21: 411-430.

19. **Fedriani JM** and Boulay R. 2006. Foraging by fearful frugivores: combined effect of fruit ripening and predation risk. *Functional Ecology* 20: 1070-1079.
18. **Fedriani JM.** 2005. Do frugivorous mice choose where or what to feed on? *Journal of Mammalogy* 86: 576- 586.
17. **Fedriani JM** and Manzaneda AJ. 2005. Pre- and post-dispersal seed predation by rodents: balance of food and safety. *Behavioral Ecology* 16: 1018-1024.
16. Manzaneda AJ, **Fedriani JM**, Rey P. 2005. Adaptive advantages of myrmecochory: the predator-avoidance hypothesis tested over a wide geographic range. *Ecography* 28: 583-592.
15. Boulay R, **Fedriani JM**, Manzaneda AJ, and Cerdá X 2005. Indirect effects of alternative resources on an ant-plant interaction. *Oecologia* 144: 72-79.
14. **Fedriani JM**, Rey P, Garrido JL, Guitian J, Herrera CM, Mendrano M, Sanchez-Lafuente AM and Cerdá X 2004. Geographical variation in the potential of mice to constrain an ant-seed dispersal mutualism. *Oikos* 105: 181-191.
13. Ferreras, P., Delibes, M., Palomares, F., **Fedriani, J.M.**, Revilla, E., Calzada, J. 2004. Proximate and ultimate causes of dispersal in the Iberian lynx *Lynx pardinus*. *Behavioral Ecology* 15: 31-40.
12. **Fedriani, J.M.**, Delibes, M., Ferreras, P., Román, J. 2002. Local and Landscape habitat attributes of water vole distribution in a patchy Mediterranean environment. *Ecoscience* 9: 12-19.
11. **Fedriani, J.M.** and Kohn MH 2001. Genotyping faeces links individual to their diet. *Ecology Letters* 4: 477-483.
10. Palomares, F., Delibes, M., Revilla, E., Calzada, J., **Fedriani, J.M.** 2001. Spatial ecology of the Iberian lynx and abundance of its primary prey, the European rabbit, in a heterogeneous environment. *Wildl. Monog.* 36pp.
9. **Fedriani, J.M.**, Fuller TK, Sauvajot R. 2001. Does availability of anthropogenic food enhance densities of omnivorous mammals? An example with coyotes in southern California. *Ecography* 24: 325-311.
8. **Fedriani, J.M.**, Fuller, T.K., Sauvajot, R, York, E. 2000. Competition and intraguild predation among three sympatric carnivores. *Oecologia* 125: 258-270.
7. **Fedriani, J.M.** , Travaini, A. 2000. Predator trophic guild assignment: the importance of the method of diet quantification. *Rev. Ecol (Terre et Vie)* 55: 129-139.
6. Palomares, F., Delibes, M., Ferreras, P., **Fedriani, J.M.**, Calzada, J., Revilla, E. 2000. The Iberian lynx in a fragmented landscape: pre-dispersal, dispersal, and post-dispersal habitats. *Cons. Biol.* 14: 809-818.
5. **Fedriani, J.M.**, Palomares F., and Delibes, M. 1999. Niche relations among three sympatric Mediterranean carnivores. *Oecologia* 121: 138-148.

4. **Fedriani, J.M.**, Ferreras, P. y Delibes, M. 1998. Dietary response of the eurasian badger, *Meles meles*, to a decline of its main prey in the Doñana National Park. *J. Zool* 245: 214-218.
3. **Fedriani, J.M.** 1996. Dieta anual del zorro, *Vulpes vulpes*, en dos hábitats del Parque Nacional de Doñana. *Doñana Acta Vertebrata* 23: 143-152.
2. Palomares, F., Ferreras, P., **Fedriani, J.M.** , Delibes, M. 1995. Spatial relationships between Iberian Lynx and other carnivores in an area of southwestern Spain. *J. Appl. Ecol.* 33: 5-13.
1. Travaini, A., Ferreras, P., Aldama, J.J., **Fedriani, J.M.**, Delibes, M. 1994. Chemical immobilization of wild badgers (*Meles meles*). *Revue Med. Vet.* 145: 577-580.

*In preparation as first author:*

**Fedriani JM**, T. Wiegand, Ayllón D., F. Palomares, Suárez-Esteban A. and V. Grimm. *In prep.* Old-field recolonization under selective defaunation: an individual-based spatially explicit simulation model.

**Fedriani JM** et al. *In prep.* Simulating the combined effect of defaunation and fruit fall on the dispersal success of a low-density tree population.

**Fedriani JM** et al. *In prep.* Local adaptation and maladaptation in an Iberian pear metapopulation.

**Fedriani JM** et al. *In prep.* Microgeographical variation in postdispersal seed predation: why seed size doesn't matter?

### ***Other publications***

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Garrote PJ, **JM Fedriani**, MM Delgado and V Penteriani. 2016. Cuando los búhos reales se convierten en jardineros. *Quercus*, *In press*.

**Fedriani JM** and T. Wiegand 2013. Frugivores strongly aggregate dispersed seeds. *Bulletin of the Ecological Society of America* 94: 381-385.

Suárez-Esteban A, M. Delibes, and **Fedriani JM** 2013. Ingenieros del paisaje en Doñana: Efecto combinado de las estructuras lineales y las interacciones planta-animal sobre el matorral mediterráneo. In: *Proyectos de Investigación en parques nacionales 2010-2013* (Organismo Autónomo Parques Nacionales, Eds).

Suárez-Esteban A, M Delibes, and **JM Fedriani**. 2013. Efecto combinado de la dispersión de semillas por mamíferos y las estructuras lineales sobre el matorral Mediterráneo. *Quercus*. Volumen especial Investigación en la Red de Parques Nacionales. Pg. 8.

**Fedriani JM**, Zywiec M and M Delibes 2012. Pulp feeders: Thieves or mutualists? *Bulletin of the Ecological Society of America* 93: 68-70.

**Fedriani JM** and M. Delibes 2010. Dispersión de semillas por mamíferos en Doñana: beneficios del mutualismo y consecuencias para la conservación del Parque Nacional. In: *Proyectos de Investigación en parques nacionales 2005-2008 (Organismo Autónomo Parques Nacionales, Eds)*. Pp. 249-262.

Suárez A, **JM Fedriani**, and M Delibes 2010. Cortafuegos, caminos y regeneración forestal. *Quercus* 80-81.

**Fedriani JM** and M. Delibes 2008. ¿Quién planta los arbustos en Doñana? Un estudio de la dispersión de semillas por mamíferos. *Quercus* 271: 22-28.

**Fedriani JM**, Ferreras P, Laffitte R 1995. Un lince ibérico muere en Doñana a causa, aparentemente, de la agresión de otro lince. *Quercus* 110: 19.

**Fedriani JM**. 1993. Uso de tejonerías por zorros, *Vulpes vulpes*, y meloncillos, *Herpestes ichneumon*, en el Parque Nacional de Doñana. *Bol. SECEM* 3: 9-10.

### ***Contributions at congresses and meetings, published abstracts***

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**Fedriani JM**, Wiegand T, Palomares F, and V. Grimm. 2015. Old-field recolonization under selective defaunation: a spatially-explicit individual-based simulation model. Type of contribution: Oral. 6th International Symposium-Workshop On Frugivory And Seed Dispersal, Drakensberg, (South Africa).

**Fedriani, J.M.**, Wiegand T., Calvo G., A. Suárez-Esteban, M. Jácome, M. Zywiec, and M. Delibes 2015. Dissecting density- and distance-dependent effects on plant reproduction using a spatially-explicit framework. Oral communication, XII Annual meeting of ECOFLOR working group (AEET). February, Zahara de los Atunes, Cádiz.

Peris J., L Peña, **JM Fedriani** 2015. Los frugívoros prefieren frutos infectados por *Penicillium*: ¿se equivocaba Janzen? Oral communication, XII Annual meeting of ECOFLOR working group (AEET). February, Zahara de los Atunes, Cádiz.

**Fedriani JM**, Wiegand T, Palomares F, and V. Grimm. 2013. Old-field recolonization under selective defaunation: a spatially-explicit individual-based simulation model. Panel communication. Adapting to Global Change in the Mediterranean hotspot. Symposia. Seville (Spain), 18-20 September.

**Fedriani, J.M.**, Wiegand T., Calvo G. and M. Delibes 2013. Applying spatial point pattern analyses to pollination research. Oral communication, X Annual meeting of ECOFLOR working group (AEET). February, Sevilla.

**Fedriani JM**, Thorsten Wiegand, Miguel Delibes 2012. Characterizing seed rains in complex dispersal systems: Endozoochorous dispersal of shrub communities. Oral communication. Ecological Society of Germany, Austria and Switzerland. 42nd Annual Meeting GfÖ. Pp 202-203.



- Fedriani JM**, G Calvo, M Zywiec, M Delibes 2012. Low pollination success in a small population of the Iberian pear *Pyrus bourgaeana*: Allee effect or endogamic depression? Panel communication. Ecological Society of Germany, Austria and Switzerland. 42nd Annual Meeting GfÖ. Pp 260.
- Fedriani J.M.**, Suarez-Esteban A. and M. Delibes 2012. Ecological engineers in the Doñana landscape: combined effect of seed dispersal by vertebrates and linear developments on the Mediterranean shrubland. Type of contribution: Oral (invited). Jornadas de Seguimiento de Proyectos de Investigacion (Ministerio Medio Ambiente, Medio Rural Y Marino). Matalascañas, Huelva.
- Fedriani, J.M.**, Gemma Calvo, M. Zywiec and M. Delibes 2012. Efectos Allee durante la polinización en *Pyrus bourgaeana*. Oral communication, IX Reunión anual del grupo de trabajo ECOFLOR de la AEET. Almería.
- Fedriani, J.M.**, and M. Delibes 2011. Complejidad en las interacciones mamífero-planta: conejos leales, tejones peligrosos y otros ejemplos. Oral communication, X Workshop SECEM. Actas Workshop SECEM. Fuengirola (Málaga Spain).
- Suárez A., **Fedriani, J.M.**, and M. Delibes 2011. Mamíferos, sabinas y enebros viajan juntos por los caminos de Doñana. Oral communication, X Workshop SECEM. Actas Workshop SECEM. Fuengirola (Málaga Spain).
- Calvo G, E. Rico, M. Delibes and **Fedriani, J.M.**. 2011. Ratones granívoros y semillas indultadas: ¿verdugos descuidados? Poster, X Workshop SECEM. Actas Workshop SECEM. Fuengirola Málaga Spain).
- Fedriani JM**, Zywiec M and M Delibes. 2011. Thieves or mutualists? Pulp feeders enhance local endozoochore recruitment. Type of contribution: Panel. 12th European Ecological Federation Congress, Avila, Spain.
- Corbacho C, Delibes M, Calvo G., and **Fedriani JM** 2011. Agriculture as matchmaker of unexpected mutualisms: Great bustard (*Otis tarda*) disperses and enhances germination of domestic olive (*Olea europaea*) seeds. Type of contribution: Panel. 12th European Ecological Federation Congress, Avila, Spain.
- Fedriani, J.M.** and M. Delibes 2010. Liasons Dangerous in The Mediterranean Dwarf Palm: Fleshy-Pulp Defensive Role Against Seed Predators. Type of contribution: Oral. 5th International Symposium-Workshop On Frugivory And Seed Dispersal, Montpellier (France).
- Suárez A, **Fedriani, J.M.** and M. Delibes 2010. Linear Infrastructures Affect Mammals-Generated Seed Rain in a Mediterranean Shrubland. Type of contribution: Poster. 5th International Symposium-Workshop On Frugivory And Seed Dispersal. Montpellier (France).
- Suárez A, **Fedriani J.M.**, and Delibes 2009. El Tejón *Meles meles* Como Dispersante De Semillas En Ambientes Mediterráneos. Type of contribution: Panel. Workshop SECEM. Bilbao.
- Calvo G., **Fedriani, J.M.**, Magdalena Zywiec and M. Delibes 2009. Abundancia De Ratones Predadores De Semillas De Piruétano: Variaciones Espacio-Temporales en Doñana. Type of contribution: Panel. Workshop SECEM, Soria.
- Fedriani J.M.** and M. Delibes 2008. Dispersión de Semillas por Mamíferos En Doñana: Beneficios del Mutualismo y Consecuencias para la Conservación del Parque Nacional. Type of contribution: Oral (invited). Jornadas de Seguimiento de Proyectos de Investigacion (Ministerio Medio Ambiente, Medio Rural Y Marino). Plasencia, Cáceres.

- Fedriani J.M.** and M. Delibes 2007. Zorros, Semillas y Caminos En Doñana . Type of Contribution, Panel. Jornadas SECEM. Huelva Pp. 67.
- Fuller, T. K., R. M. Sauvajot, V. Farias, **J. M. Fedriani**, S. P. D. Riley, E. C. York, D. A. Kamradt and R. K. Wayne. 2001. Gray fox distribution in southern California: effects of carnivore competitors and suburbanization. Pp. 55 in Canid Biology and Conservation Conference, Canid Specialist Group, Oxford U.K.
- Lupis, S. G., T. K. Fuller, E. C. York, R. Sauvajot and **J.M. Fedriani**. 1999. A preliminary evaluation of the American badger (*Taxidea taxus*) in the Santa Monica Mountains National Recreation Area, California, USA. Pp.72 In 13th Annual meeting of the Society for Conservation Biology, College Park, Md.
- Fedriani, J.M.** and Delibes, M. 1997. Spatial relationships between red foxes and Iberian lynx in the Southwest Spain. International Theriological Congress: 107-108. Acapulco, Mexico.
- Fedriani, J.M.** and Delibes, M. 1997. Rabbit abundance and habitat use by three sympatric carnivores in the Donana National Park, Spain. International Theriological Congress: 106-107. Acapulco, Mexico.
- Fedriani, J.M.** 1995. Dieta anual de tres carnívoros simpátricos en el norte del Parque Nacional de Doñana. II Workshop SECEM:22. Soria, Spain.
- Palomares, F., Ferreras, P., **Fedriani, J.M.** and Delibes, M. 1995. Relaciones espaciales entre el lince ibérico y otros carnívoros pequeños en un área del sur-oeste de España. Congreso Latinoamericano de Ecología. Mérida, Venezuela.
- Fedriani, J.M.** 1993. Efecto de la presencia del lince ibérico, *Lynx pardina*, en el comportamiento espacial de zorro, *Vulpes vulpes*, en Doñana. I Workshop SECEM: 20. Mollina, Málaga, Spain.

### *Teaching experience*

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- Course 2015-2016:* Professor of Master Biodiversity and Conservation Biology of Pablo Olavide University (Seville, Spain).
- Course 2014-2015:* Professor of Master Biodiversity and Conservation Biology of Pablo Olavide University (Seville, Spain).
- Course 2013-2014:* Professor of Master Biodiversity and Conservation Biology of Pablo Olavide University (Seville, Spain).
- Course 2012-2013:* Professor of Master Biodiversity and Conservation Biology of Pablo Olavide University (Seville, Spain).
- Course 2011-2012:* Professor of Master Biodiversity and Conservation Biology of Pablo Olavide University (Seville, Spain).
- Fall 2011:* Teaching "Experimental design" at the Estación Biológica de Doñana (Seville, Spain).

- Course 2010-2011:* Professor of Master Biodiversity and Conservation Biology of Pablo Olavide University (Seville, Spain).
- Fall 2010:* Professor at the course Conservation and Biodiversity. Universidad Internacional de Andalucía. Sede Iberoamericana. La Rábida. Huelva.
- Course 2009-2010:* Professor of Master Biodiversity and Conservation Biology of Pablo Olavide University (Seville, Spain).
- Fall 2008:* Teaching "Experimental design" at the Estación Biológica de Doñana (Seville, Spain).
- Spring 1998:* Assistant professor of Master course on "Carnivore Ecology and Conservation" at the "Department of Natural Resources Conservation" in the University of Massachusetts (USA).
- Summer 1997:* Assistant professor of "II Master of Conservation and management of natural resources. Natural spaces and sustainable development". Universidad Internacional de Andalucía. Sede Iberoamericana. La Rábida. Huelva.

### ***PhD, Master, and undergraduate supervision***

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#### **PhD students:**

- Josep Peris (PhD, candidate). *Volatile compounds and plant-frugivore communication in orange tree groves*. Instituto de Biología Molecular y Celular de Plantas (CSIC)-Universidad Politécnica de Valencia (Valencia). Marzo 2014-In progres.
- Miguel Jácome. *Spatial patterns of a Mediterranean endemic palm and its consequences for pollination and seed dispersal*. Universidad Pablo Olavide (Seville). October 2015. GRADE: Sobresaliente
- Alberto Suarez-Esteban. *Ecological engineers in the Doñana landscape: combined effect of plant-animal interactions and linear developments on the Mediterranean shrubland*. PhD by Universidad de Oviedo. October 2013. GRADE: Sobresaliente *Cum Laude*

#### **Master and undergraduate students:**

- Javier Ruiz Guzman. Universidad Pablo Olavide (Sevilla), Octubre 2015-*In progres*. Master Student.
- Pedro Jose Garrote. Universidad Pablo Olavide (Sevilla), Septiembre 2013-Septiembre 2014. Master Student.
- María Martín. Universidad Hispalense (Sevilla), Abril 2013-Junio 2014. Undergraduate Student.

- Irene Catañeda. Universidad Pablo Olavide (Sevilla), Septiembre 2012-Septiembre 2013. Master Student.
- Ana Lombardero. Universidad Pablo Olavide (Sevilla), Septiembre 2011-Septiembre 2012. Master Student.
- Marta Rodríguez. Universidad Pablo Olavide (Sevilla), Septiembre 2009-Septiembre 2010. Master Student.
- Mark Polko. Universidad Pablo Olavide (Sevilla), Septiembre 2009-Septiembre 2010. Master Student.
- Alberto Suarez, Universidad Pablo Olavide (Sevilla), Octubre 2008-Septiembre 2009. Master Student.
- Ana Rodriguez Prieto. Universidad Pablo Olavide (Sevilla). Octubre 2008-Septiembre 2009. Master Student.
- Emeline Aupy, Enero-Junio de 2009 (Universidad de Pau y de los Paises del Adour, Francia). Undergraduate student.
- Ana Rodriguez Prieto, Junio-Septiembre de 2008 (Universidad Autónoma de Barcelona). Undergraduate student.

### *Stays at foreign institutions*

<i>Jul. 2014- present</i>	Centro de Ecología Aplicada "Prof. Baeta Neves", ISA (Univ. of Lisbon, Portugal)
<i>June. 2014:</i>	School of Plant Biology, University of Western Australia
<i>Jul. 12-Jun 2014:</i>	Department of Ecological Modelling (UFZ, Germany).
<i>Mar. 04:</i>	Department of Biology. University of Utah (Salt Lake City, EEUU).
<i>Apr. 97-Mar. 99:</i>	Department of Natural Resources Conservation. University of Massachusetts (EEUU).
<i>Oct-Nov. 95:</i>	Department of Forestry and Wildlife Management. University of Massachusetts (EEUU).

### *Editorial and peer review expertise*

- **Review Editor** of *Frontiers in Ecology and Evolution* (2015- )

- **Invited Editor** of the ECOSISTEMAS monograph:

Suárez-Esteban A and Fedriani JM (eds). 2015. Frutos, semillas, y mamíferos frugívoros: diversidad funcional de interacciones poco estudiadas. Ecosistemas 24: 1-50.

- Member of DATASETS PAPERS IN SCIENCE **Editorial board** (2013-present).

- Former member of ISRN ECOLOGY **Editorial board** (2011-2014).

- **Peer review expertise:**

A) International Journals reviewed:

*Science (USA) - Plos ONE (USA) - Journal of Ecology (UK) - Ecosphere (USA) - Functional Ecology (UK) - Journal of Animal Ecology (UK) - Journal of Applied Ecology (UK) - Evolutionary Biology (USA) - Oikos (Switzerland) - Oecologia (Germany) - Ecography (Switzerland) - Basic and Applied Ecology (Germany) - Biological Journal of the Linnaean Society (UK) - Journal of Vegetation Science (UK) - Plant Ecology (USA) - Journal of Arid Environment (USA) - Seed Science Research (UK) - Behavioral Ecology (USA) - Austral Ecology (Australia) - Acta Oecologica (France) - Revista Mexicana de Biodiversidad (Mexico) - Animal Conservation (...) - Canadian Journal of Zoology (Canada) - Journal of Mammalogy (USA) - Journal of Wildlife Management (USA) - European Journal of Wildlife Research (Germany) - Mammal Biology (Germany) - Animal Biology (Holland) - Wildlife Research (Australia) - Integrative Zoology (China)*

B) Grant reviews:

*National Science foundation (USA)*

*Natural Environment Research Council (UK)*

*Council of Earth Sciences (Holland)*

*Association for Woman in Science (USA)*

*National Science Centre (Poland)*

*Fundación BBVA (Spain)*

### ***Other merits and activities***

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- **Cited >1690 and 1000 times** following Google Scholar (**h-index = 21**) and Scopus (**h-index = 17**), respectively.

**- Outreach activities:**

Regular contributor of Wikipedia in projects concerning biodiversity (User: Bourgaeana).

Publications in popular magazines such as *Quercus* (5 articles) and Bulletin ESA (2 articles) and SECEM (1 article).

Talks in primary schools.

TV and radio interviews.

**- Professional Memberships:**

Member of the Spanish Association of Terrestrial Ecology (AEET).

Member of ECOFLOR, working group at AEET.

Former member of the American Botany Association.

Former member of the Spanish Association for the Conservation of Mammals.