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## REY BENAYAS, José María

URL: <http://www3.uah.es/josemrey/>, Google Scholar:

<https://scholar.google.es/citations?user=0qX6JtIAAAAJ&hl=es>, Research Gate:

[https://www.researchgate.net/profile/Jose\\_Benayas](https://www.researchgate.net/profile/Jose_Benayas), ORCID: <https://orcid.org/0000-0002-2099-8512>

PhD in Biology since 1990, Universidad Autónoma de Madrid (Spain), the **Thesis was awarded**.

**2019 Research Excellence Award** received from the University of Alcalá.

Ranking of the World Scientists: **World's Top 2% Scientists in Year 2020** (Ecology)

### CURRENT POSITION

Full Professor since 2007, Departamento de Ciencias de la Vida, Edificio de Ciencias, Universidad de Alcalá, 28805 Alcalá de Henares, Spain. Tel. +34 91 8854987, Fax +34 91 8854929, e-mail: [josem.rey@uah.es](mailto:josem.rey@uah.es), Twitter @josemreybenayas.

### PAST APPOINTMENTS

Position	Institution	Date
FPI Training Researcher (MEC)	Universidad Autónoma de Madrid	I-87 - VIII-90
Fulbright post-doc, Adjunct Lecturer	Northern Illinois University (USA)	IX-90 - VIII-91
Fulbright post-doc, Research Associate	GeoEcoArc Research (USA)	IX-91 - VIII-92
Research Associate	Ciencias Medioambientales, CSIC	X-92 - IX-94
Lecturer	Universidad de Alcalá	II-94 - IX-94
Tenure track	Universidad de Alcalá	X-94 - VI-96
Associate	Universidad de Alcalá	VI-96 - X-07
Invited Researcher	ECOSUR (México)	III-03 - present
<i>Ad honorem</i> Professor	UFRO (Chile)	Since 2019

### SYNERGISTIC ACTIVITIES

1. Director of the [Master's Program on Ecosystem Restoration](#), coordinated by the Universidad de Alcalá (2005-present).
2. President of the [Fundación Internacional para la Restauración de Ecosistemas](#) (2006-present).
3. Associate Editor of [Bosque](#) (2007-present).
4. Associate Editor of [Forests](#) (2019-present).
5. Associate Editor of [Frontiers in Conservation Science - Plant Conservation section](#) (2020-present)
5. Editor-in-Chief of [Ecosistemas](#) (<http://www.revistaecosistemas.net>) (February 2001-September 2004).
6. Chair of the Department of Ecology, Alcalá University (2003-2006), Vice-chair (2006-2008).
7. Member of the Directive Board of the [Spanish Society for Terrestrial Ecology](#) (2002-2006).
8. Coordinator of the PhD Program *Global change and sustainable development*, Universidad de Alcalá (2004-2006).
9. Coordinator of the PhD Program *Ecology. Conservation and restoration of ecosystems*, Universidad de Alcalá de Henares (2006-2010).

### RESEARCH

Agroecology, biodiversity conservation, ecological restoration, ecosystem services, forest ecology, plant establishment.

### INDICATORS OF MY PUBLICATIONS ACCORDING TO GOOGLE SCHOLAR

Total citations: 11041, h-index = 52. Citations since 01/01/2015: 6537, h-index = 35.

Continuous **positive evaluations of my research by the Spanish Ministry of Science and Education since 1988**, at the start of my academic career (five "sexenios").

## MAJOR PEER-REVIEWED PUBLICATIONS

- Bernáldez, F.G.; Rey Benayas, J.M.; Levassor, C. & Peco, B. 1989. Landscape ecology of uncultivated lowlands in Central Spain. *Landscape Ecology* 3:3-18.
- Rey Benayas, J.M.; Bernáldez, F.G.; Levassor, C. & Peco, B. 1990. Vegetation of groundwater discharge sites in the Douro Basin, Central Spain. *J. of Vegetation Science* 1: 461-466.
- Bernáldez, F.G. & Rey Benayas, J.M. 1992. Geochemical relationships between groundwater and wetland soils and their effects on vegetation in Central Spain. *Geoderma* 55: 273-278.
- Bernáldez, F.G.; Rey Benayas, J.M. & Martínez, A. 1993. Ecological impact typology on wetlands produced by groundwater extraction (Douro River, Spain). *J. of Hydrology* 141: 219-238.
- Rey Benayas, J.M. & Scheiner, S.M. 1993. Diversity patterns of wet meadows along geochemical gradients in Central Spain. *J. of Vegetation Science* 4: 103-108.
- Pope, K.O., Rey Benayas, J.M., & Paris, J.F. 1994. Radar remote sensing of forest and wetland ecosystems in the Central American Tropics. *Remote Sensing of the Environment* 48: 205-219.
- Scheiner, S.M. & Rey Benayas, J.M. 1994. Global patterns of plant diversity. *Evolutionary Ecology* 8: 331-338.
- Rey Benayas, J.M. & Pope, K.O. 1995. Landscape ecology and diversity in the seasonal tropics from Landsat TM imagery. *Ecological Applications* 5: 386-394.
- Rejmankova, E., Pope, K.O., Pohl, M., & Rey Benayas, J.M. 1995. Freshwater wetland plant communities of Northern Belize: implications for paleoecological studies of Maya wetland agriculture. *Biotropica* 27: 28-36.
- Rey Benayas, J.M. 1995. Patterns of diversity in the strata of boreal montane forest in British Columbia. *J. of Vegetation Science* 6: 95-98.
- Scheiner, S.M. & Rey Benayas, J.M. 1997. Placing empirical limits on metapopulation models for terrestrial plants. *Evolutionary Ecology* 11: 275-288.
- Barbour, M.G., Fernau, R.F., Rey Benayas, J.M., Jurjovic, N. & Royce, E. 1998. Tree regeneration and early succession following clearcuts in red fir forests of the Sierra Nevada, California. *Forest Ecology & Management* 104: 101-111.
- Fernau, R.F., Rey Benayas, J.M. & Barbour, M.G. 1998. Early secondary succession following clearcuts in red fir forest of the Sierra Nevada, California. *Madroño* 45: 131-136.
- Rey Benayas, J.M. 1998. Growth and mortality in *Quercus ilex* L. seedlings after irrigation and artificial shading in Mediterranean set-aside agricultural lands. *Annales des Sciences Forestières* 55: 801-807.
- Rey Benayas, J.M., Colomer, M.G.S., Levassor, C. & Vázquez-Dodero, I. 1998. The role of wet grasslands in biological conservation in Mediterranean landscapes. In: Joyce, C. & Wade, M. (eds.). *European lowland wet grasslands. Biodiversity, management and restoration*. Pp. 61-72, J. Wiley & Sons, New York, USA
- Rey Benayas, J.M.; Scheiner, S.M.; García S.-Colomer, M., & Levassor, C. 1999. Commonness and rarity: theory and application of a new model to Mediterranean montane grasslands. *Conservation Ecology* 3 (1): 5 (on line) <http://www.consecol.org/Journal/vol3/iss1/art5/>
- Rey Benayas, J.M.; García S.-Colomer, M., & Levassor, C. 1999. Effects of area, environmental status and environmental variation on species richness per unit area in Mediterranean wetlands. *J. of Vegetation Science* 10: 275-280.
- Gómez Sal, A.; Rey Benayas, J.M.; López Pintor, A., & Rebollo, S. 1999. Role of disturbance in maintaining a savanna-like pattern in Mediterranean *Retama sphaerocarpa* shrubland. *J. of Vegetation Science* 10: 365-370.
- López Pintor, A.; Espigares, T.; Rey Benayas, J.M.; & Gómez Sal, A. 2000. Effect of simulated parent-created microenvironmental conditions on germination of *Retama sphaerocarpa* (L.) Bois. seeds. *J. of Mediterranean Ecology* 1: 219-226.
- Rebollo, S., Pérez, L., García, M.T., Rey Benayas, J. M. & Gómez Sal, A. 2001. Recruitment in a Mediterranean annual plant community: seed bank, emergence, litter, and intra- and interspecific interactions. *Oikos* 95: 485-495.
- Rey Benayas, J.M., López-Pintor, A., García, C., de la Cámara, N., Strasser, R. & Gómez Sal, A. 2002. Early establishment of planted *Retama sphaerocarpa* seedlings under different levels of light, water and weed competition. *Plant Ecology* 159: 201-209.
- Rey Benayas, J.M. & Scheiner, S.M. 2002. Plant diversity, biogeography and environment in Iberia: patterns and possible causal factors. *J. of Vegetation Science* 13: 245-258.
- López-Pintor, A., Espigares, T. & Rey Benayas, J.M. 2003. Spatial segregation of plant species caused by *Retama sphaerocarpa* influence in Mediterranean pasture: a perspective from the soil seed bank. *Plant Ecology* 167: 107-116.
- Rey Benayas, J. M. & de la Montaña, E. 2003. Identifying areas of high-value vertebrate diversity for strengthening conservation. *Biological Conservation* 114: 357-370.
- Rey Benayas, J. M., Espigares, T. & Castro Díez, P. 2003. Effects of herb competition on planted *Quercus faginea* seedlings in Mediterranean cropland. *Applied Vegetation Science* 6: 213-222.

- Rey Benayas, J. M., García Sánchez-Colomer, M. & Escudero, A. 2004. Landscape- and field-scale control of spatial variation of soil properties in Mediterranean montane meadows. *Biogeochemistry* 69: 207-225.
- Rey Benayas, J. M. & Camacho, A. 2004. Performance of *Quercus ilex* saplings planted in abandoned Mediterranean cropland after long term interruption of their management. *Forest Ecology & Management* 194: 223-233.
- Espigares, T., López-Pintor, A. & Rey Benayas, J.M. 2004. Is the interaction between *Retama sphaerocarpa* (L.) Boiss. seedlings and its understorey herbaceous vegetation always reciprocally positive? *Acta Oecologica* 26: 121-128.
- González-Espinosa, M., Rey Benayas, J. M., Ramírez-Marcial, N., Huston, M. & Golicher, D. 2004. Tree diversity in the Northern Neotropics: regional patterns in highly diverse Chiapas, Mexico. *Ecography* 27: 741-756.
- Rey Benayas, J. M., Navarro, J., Espigares, T., Nicolau, J.M. & Zavala, M.A. 2005. Effects of artificial shading and weed mowing in reforestation of Mediterranean abandoned cropland with contrasting *Quercus* species. *Forest Ecology & Management* 212: 302-314.
- Rey Benayas, J.M. 2005. Restoration after land abandonment. In: Mansourian, S., Vallauri, D. & Dudley, N. (eds.). *Forests Restoration in Landscapes: Beyond Planting Trees*. Pp. 356-360. Springer, New York, USA.
- Cayuela, L., Rey Benayas, J.M. & Echeverría, C. 2006. Clearance and fragmentation of tropical montane forests in the Highlands of Chiapas, Mexico (1975-2000). *Forest Ecology & Management* 226: 208-218.
- Cayuela, L., Golicher, D.J., Salas Rey, J. & Rey Benayas, J.M. 2006. Classification of a complex landscape using Dempster-Shafer theory of evidence. *International J. of Remote Sensing* 27: 1951-1971.
- Rey Benayas, J. M., de la Montaña, E., Belliure, J. & Eekhout, X.R. 2006. Identifying areas of high herpetofauna diversity that are threatened by planned infrastructure projects in Spain. *J. of Environmental Management* 79: 279-289.
- Cayuela, L., Golicher, D.J., & Rey Benayas, J.M. 2006. The extent, distribution, and fragmentation of vanishing Montane Cloud Forest in the highlands of Chiapas, Mexico. *Biotropica* 38: 544-554.
- Echeverría, C., Coomes, D., Salas, J., Rey Benayas, J. M., Lara, A. & Newton, A. Rapid deforestation and fragmentation of Chilean temperate forests. *Biological Conservation* 130: 481-494.
- de la Montaña, E., Rey Benayas, J. M & Carrascal, L.M. 2006. Response of bird communities to silvicultural thinning of Mediterranean maquis. *J. of Applied Ecology* 43: 651-659.
- Muñiz, M.A., Williams-Linera, G. & Rey Benayas, J. M. 2006. Distance effect from cloud forest fragments on plant community structure in abandoned pastures in Veracruz, Mexico. *J. of Tropical Ecology* 22: 431-440.
- López-Pintor, A., Gómez Sal, A. & Rey Benayas, J.M. 2006. Shrubs as a source of spatial heterogeneity – the case of *Retama sphaerocarpa* in Mediterranean pastures. *Acta Oecologica* 29: 247-255.
- Cayuela Delgado, L., Rey Benayas, J.M., Justel, A. & Salas, J. 2006. Modelling tree diversity in a highly fragmented tropical montane landscape for conservation prioritization. *Global Ecology & Biogeography* 15: 602-613.
- Cayuela, L., Golicher, D.J., Rey Benayas, J.M., González-Espinosa, M. & Ramírez-Marcial, N. 2006. Synergistic effects of landscape fragmentation and local disturbance on tree diversity in tropical montane forests. *J. of Applied Ecology* 43: 1172-1181.
- Echeverría, C., Lara, A., & Newton, A. Rey Benayas, J. M. & Coomes, D. 2007. Impacts of forest fragmentation on species composition and forest structure in the temperate landscape in southern Chile. *Global Ecology & Biogeography* 16: 423-429.
- Purves, D., Zavala, M.A., Oglel, K., Prieto, F. & Rey Benayas, J.M. 2007. Coupling environmental forcing, metapopulation dynamics, and dispersal of *Quercus* species in central Spain. *Ecological Monographs* 77: 77-97.
- Rey Benayas, J.M., Martins, A., Nicolau, J.M. & Schulz, J. 2007. Abandonment of agricultural land: an overview of drivers and consequences. *Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources*, 2007 2, No. 057, doi: 10.1079/PAVSNNR20072057.
- Rey Benayas, J.M., Fernández, A. & Aubenau, A. 2007. Clipping herbaceous vegetation improves early performance of planted seedlings of the Mediterranean shrub *Quercus coccifera*. *Web Ecology* 7: 120-131.
- Rey Benayas, J.M., Cuesta, B., Villar-Salvador, P. & Jáuregui, P. 2008. Life-history traits in an evergreen Mediterranean oak respond differentially to previous experimental environments. *Web Ecology* 8: 74-83.

- Rey Benayas, J.M., Bullock, J.M. & Newton, A.C. 2008. Creating woodland islets to reconcile ecological restoration, conservation, and agricultural land use. *Frontiers in Ecology and the Environment* 6: 329-336 (DOI: 10.1890/070057).
- Cayuela, L., Rey Benayas, J.M., Maestre, F. & Escudero, A. 2008. Early environments drive diversity and floristic composition in Mediterranean old fields: Insights from a long-term experiment. *Acta Oecologica* 34: 311-321.
- Fonseca, W., Alice, F. & Rey Benayas, J.M. 2009. Modelos para estimar la biomasa de especies nativas en plantaciones y bosques secundarios en la zona Caribe de Costa Rica. *Bosque* 30: 36-47.
- Razola, I. & Rey Benayas, J.M. 2009. Effects of woodland islets introduced in a Mediterranean agricultural landscape on local bird communities. *Web Ecology* 9: 44-53.
- Newton, A. C., L. Cayuela, C. Echeverría, J. J. Armesto, R. F. Del Castillo, D. Golicher, D. Geneletti, M. Gonzalez-Espinosa, A. Huth, F. López-Barrera, L. Malizia, R. Manson, A. Premoli, N. Ramírez-Marcial, J. Rey Benayas, N. Rüger, C. Smith-Ramírez and G. Williams-Linera. 2009. Toward Integrated Analysis of Human Impacts on Forest Biodiversity: Lessons from Latin America. *Ecology and Society* 14 (2): 2. [online] URL: <http://www.ecologyandsociety.org/vol14/iss2/art2/>
- Rey Benayas, J.M., Newton, A.C., Díaz, A. & Bullock, J.M. 2009. Enhancement of Biodiversity and Ecosystem Services by Ecological Restoration: a Meta-analysis. *Science* 325: 1121-1124.
- Newton, A.C., Hill, R., Echeverría, C., Golicher, D., Rey Benayas, J.M., Cayuela, L. & Hinsley, S. 2009. Remote sensing and the future of landscape ecology. *Progress in Physical Geography* 33: 528-546.
- Cuesta, B., Villar-Salvador, P., Puértolas, J., Rey Benayas, J.M. & Michalet, R. 2010. Indirect facilitation mediated by herbs increases with aridity in a Mediterranean shrubland. *J. Ecology* 98: 687-696.
- Schulz, J., Cayuela, L., Echeverría, C., Salas, J. & Rey Benayas, J.M. 2010. Land cover dynamics of the dryland forest landscape of Central Chile. *Applied Geography* 30: 436-447.
- Rey Benayas, J.M., Galván, I. & Carrascal, L.M. 2010. Differential effects of vegetation restoration in Mediterranean abandoned cropland by secondary succession and pine plantations on bird assemblages. *Forest Ecology & Management* 260: 87-95.
- Rey Benayas, J.M., Escudero, A., Martín Duque, J.F., Nicolau, J.M., Villar, P., García de Jalón, D. & Balaguer, L. 2010. A multi-institutional Spanish Master in Ecosystem Restoration: vision and four-year experience. *Ecological Restoration* 28: 188-192.
- Cuesta, B., Villar-Salvador, P., Puértolas, J., Jacobs, D.F. & Rey Benayas, J.M. 2010. Why do large, nitrogen rich seedlings better resist stressful transplanting conditions? A physiological analysis in two functionally contrasting Mediterranean forest species. *Forest Ecology & Management* 260: 71-78.
- Altamirano, A., Field, R., Cayuela, L., Aplin, P., Rey-Benayas, J.M. & Lara, A. 2010. Woody species diversity in temperate Andean forests: the need for new conservation strategies. *Biological Conservation* 143: 2080-2091.
- Cuesta, B., Vega, J., Villar-Salvador, P. & Rey Benayas, J.M. 2010. Root growth and interference with shoot elongation in Aleppo pine (*Pinus halepensis* Mill.) seedlings: effects of plant size and nitrogen concentration. *Trees* 24: 899-908.
- Rey Benayas, J.M., de la Montaña, E., Pérez-Camacho, L., De la Cruz, M., Moreno, D., Parejo, J.L., Suárez-Seoane, S. y Galván, I. 2010. Short-term dynamics and spatial pattern of a nocturnal bird assemblage inhabiting a Mediterranean agricultural mosaic. *Ardeola* 57: 303-320.
- Galván, I. & Rey Benayas, J.M. 2011. Bird species in Mediterranean pine plantations exhibit different characteristics to those in natural reforested woodlands. *Oecologia* 166: 305-316.
- Schulz, J., Cayuela, L., Rey Benayas, J.M. & Schröder, B. 2011. Proximate causes of vegetation cover change in Mediterranean Central Chile (1975-2008). *Applied Vegetation Science* 14: 571-582.
- Suzart de Albuquerque, F., Assunção-Albuquerque, M.J., Gálvez-Bravo, L., Cayuela, L., Rueda, M. & Rey-Benayas, J.M. 2011. Identification of critical areas for mammal conservation in the Brazilian Atlantic Forest Biosphere Reserve. *Natureza & Conservação – Brazilian Journal of Nature Conservation* 9: 73-78.
- Van de Wouw, P., Echeverría, C. Rey Benayas, J.M. & Holmgren, M. 2011. Persistent Acacia savannas replace Mediterranean sclerophyllous forests in South America. *Forest Ecology & Management* 262: 1100-1108.
- Fonseca, W., Rey Benayas, J.M. & Alice, F. 2011. Carbon accumulation in the biomass and soil of different aged secondary forests in the humid tropics of Costa Rica. *Forest Ecology & Management* 262: 1400-1408.
- Fonseca, W., Alice, F. & Rey Benayas, J.M. 2011. Carbon accumulation in aboveground and belowground biomass and soil of different age native forest plantations in the humid tropical lowlands of Costa Rica. *New Forests*, DOI 10.1007/s11056-011-9273-9.

- Bullock, J.M., Aronson, J., Newton, A.C., Pywell, R.F. & Rey Benayas, J.M. 2011. Restoration of ecosystem services and biodiversity: conflicts and opportunities. *Trends in Ecology and Evolution* 26: 541-549.
- De la Montaña, E., Rey Benayas, J. M., Razola, I. & Vasques, A. 2011. Conservation planning of vertebrate diversity in a Mediterranean agricultural-dominant landscape. *Biological Conservation* 144: 2468-2478.
- Moreno, D., Rey Benayas, J.M., Pérez-Camacho, L., de la Montaña, E., Rebollo, S. & Cayuela, L. 2011. Effects of land use on nocturnal birds in a Mediterranean agricultural landscape. *Acta Ornithologica* 46: 173-182.
- Echeverría, C., Newton, A., Coomes, A., Nahuelhual, L. & Rey-Benayas, J.M. 2012. How landscapes change: integration of spatial patterns and human processes in temperate landscapes of southern Chile. *Applied Geography* 32: 822-831.
- Cuesta, B., Rey Benayas, J.M., Gallardo, A. Villar-Salvador, P. & González-Espinosa, M. 2012. Soil chemical properties in abandoned Mediterranean cropland after succession and oak reforestation. *Acta Oecologica* 38: 48-55.
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- Villar-Salvador, P., Puértolas, J., Cuesta, B., Peñuelas, J.L., Uscola, M., Heredia-Guerrero, N. & Rey Benayas, J.M. 2012. Increase in size and nitrogen concentration enhances seedling survival in Mediterranean plantations. Insights from an ecophysiological conceptual model of plant survival. *New Forests* (DOI 10.1007/s11056-012-9328-6).
- Rey Benayas, J.M. & Bullock, J.M. 2012. Restoration of biodiversity and ecosystem services on agricultural land. *Ecosystems* 15: 883-889.
- Assunção-Albuquerque, M.J.T., J.M. Rey Benayas, M.A. Rodríguez & F.S Albuquerque. 2012. Geographic patterns of vertebrate diversity and identification of relevant areas for conservation in Europe. *Animal Biodiversity and Conservation* 35.1: 1-11.
- Cayuela Delgado, L., L. Gálvez-Bravo, R. Pérez Pérez, F. S. de Albuquerque, D.J. Golicher, R.A. Zahawi, N. Ramírez-Marcial, C. Garibaldi, R. Field, J.M. Rey Benayas *et al.* 2012. The Tree Biodiversity Network (BIOTREE-NET): Prospects for biodiversity research and conservation in the Neotropics. *Biodiversity & Ecology* 4: 211-224.
- Assunção-Albuquerque, M.J.T., J.M. Rey Benayas, F.S Albuquerque & M.A. Rodríguez. 2012. The geography of high-value biodiversity areas for terrestrial vertebrates in Western Europe and their coverage by protected area networks. *Web Ecology* 12: 65-73.
- Rey Benayas, J.M. 2012. Restauración de campos agrícolas sin competir por el uso de la tierra para aumentar su biodiversidad y servicios ecosistémicos. *Investigación Ambiental. Ciencia y Política Pública* 4: 101-110.
- Meli, P., Martínez-Ramos, M. & Rey Benayas, J.M. 2013. Selecting species for passive and active riparian restoration in Southern Mexico. *Restoration Ecology* 21: 163-165.
- Leverkus, A.B., Castro, J., Puerta-Piñero, C. & Rey Benayas, J.M. 2013. Suitability of the management of habitat complexity, acorn burial depth, and a chemical repellent for post-fire reforestation of oaks. *Ecological Engineering* 53: 15-22.
- Ihaddaden, A., Velázquez, E., Rey Benayas, J.M. & Kadi-Hanifi, H. 2013. Climate and vegetation structure determine plant diversity in *Quercus ilex* woodlands along an aridity and land use gradient in Northern Algeria. *Flora* 208: 268-284.
- Sánchez-Oliver, J., Rey Benayas, J.M. & Carrascal, L.M. 2013. Differential effects of local habitat and landscape characteristics on bird communities in Mediterranean afforestations motivated by the EU Common Agrarian Policy. *European J. Wildlife Research* 60: 135-143.
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- Carrascal, L.M., Galván, I. Sánchez-Oliver, J.S. & Rey Benayas, J. M. 2014. Regional distribution patterns predict bird occurrence in Mediterranean cropland afforestations. *Ecological Research* 29: 203-211.
- Meli, P., Rey Benayas, J. M., Balvanera, P. & Martínez-Ramos, M. 2014. Restoration enhances wetland biodiversity and ecosystem service supply, but results are context-dependent. *PLOSOne* 9: e93507.
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- Zamorano-Elgueta, C. Cayuela, L., Rey Benayas, J. M., Donoso, P. J. & Hobbs, R. J. 2014. The differential influences of human-induced disturbances on tree regeneration community: a landscape approach. *Ecosphere* 5: art90.
- Barral, P., Rey Benayas, J. M., Meli, P. & Maceira, N. 2015. Quantifying the impacts of ecological restoration on biodiversity and ecosystem services in agroecosystems: a global meta-analysis. *Agriculture, Ecosystems & the Environment* 202: 223-231.
- Sutcliffe, L. M. E. et al. (43 co-authors). 2015. Harnessing the biodiversity value of Central and Eastern European farmland. *Diversity & Distributions* 21: 722-730.
- Zamorano, C., Rey Benayas, J. M., Cayuela, L., Hantson, S. & Armenteras, D. 2015. Native forest replacement by exotic plantations in southern Chile (1985–2011) and partial compensation by natural regeneration. *Forest Ecology & Management* 345: 10-20.
- Meli, P., Rey Benayas, J. M., Martínez-Ramos, M. & Carabias, J. 2015. Effects of grass clearing and soil tilling on establishment of planted tree seedlings in tropical riparian pastures. *New Forests* 46: 507-525.
- Rey Benayas, J. M., Martínez-Baroja, L., Pérez-Camacho, L., Villar-Salvador, P. & Holl, K. D. 2015. Predation and aridity slow down the spread of 21-year-old planted woodland islets in restored Mediterranean farmland. *New Forests* 46: 841-853.
- Rey Benayas, J. M. & Bullock, J. M. 2015. Vegetation restoration and other actions to enhance wildlife in European agricultural landscapes. In: Pereira HM, Navarro LM (eds.) *Rewilding European Landscapes*, 127-142, Springer International Publishing, Switzerland.
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- Leverkus, A. B., Gustaffson, L., Rey Benayas, J. M. & Castro, J. 2015. Does post-disturbance salvage logging affect the provision of ecosystem services? A systematic review protocol. *Environmental Evidence* 4: 16 (URL: <http://www.environmentalevidencejournal.org/content/4/1/16/about>).
- Sánchez-Oliver, J., Rey Benayas, J. M. & Carrascal, L. M. 2015. Low effect on open-farmland birds of young afforestations in heterogeneous Mediterranean croplands. *PeerJ*: e1453.
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#### PhD THESIS ADVISED

1. Manuel García Sánchez-Colomer. 1999. *Heterogeneidad del medio abiótico, composición florística y diversidad en humedales montanos mediterráneos (sierra de Guadarrama)*. Universidad Autónoma de Madrid.
2. Antonio López-Pintor Alcón. 2001. *Dinámica de los sistemas retamar-pasto del centro de la Península Ibérica*. Universidad de Alcalá.
3. Luis Cayuela Delgado. 2006. *Deforestación y fragmentación de bosques tropicales montanos en los Altos de Chiapas, México. Efectos sobre la diversidad de árboles*. Universidad de Alcalá.
4. Enrique de la Montaña Andrés. 2009. *Diversidad de vertebrados terrestres en España. Identificación de áreas para la conservación, mitigación de impactos y gestión del monte mediterráneo*. Universidad de Alcalá.
5. William Fonseca González. 2009. *Restauración forestal y almacenamiento de carbono en el trópico húmedo (Zona caribe de Costa Rica)*. Universidad de Alcalá.
6. Bárbara Cuesta Poveda. 2010. *Revegetación de campos agrícolas abandonados en ambientes mediterráneos continentales*. Universidad de Alcalá.
7. Maria José Teixeira Assunção de Albuquerque. 2013. *Distribución y áreas relevantes de diversidad de vertebrados terrestres en Europa y América*. Universidad de Alcalá.



8. Juan S. Sánchez Oliver. 2013. *Efectos sobre la avifauna de las plantaciones forestales jóvenes en campos agrícolas mediterráneos*. Universidad de Alcalá.
9. Paula Meli. 2014. *Restauración de la biodiversidad y los servicios de los ecosistemas ribereños y otros humedales. Meta-análisis global y evaluación de especies útiles en el trópico mexicano*. Universidad de Alcalá.
10. Jennifer Schulz. 2014. *Landscape dynamics and perspectives for multifunctional forest landscape restoration in central Chile*. Technischen Universität München.
11. Carlos Zamorano Elgueta. 2014. *Definición de áreas prioritarias para la restauración forestal en la Cordillera de la Costa de la Región de Los Ríos, Chile*. Universidad de Alcalá.
12. Alexandro Bitol Leverkus. 2015. *Colonización de áreas incendiadas por quercíneas: análisis de la concordancia entre factores de dispersión y establecimiento y valoración económica de los servicios ecosistémicos*. Universidad de Granada.
13. Esteban Álvarez Dávila. 2018. *Relaciones entre gradientes de diversidad de árboles, carbono y clima en bosques neo-tropicales (Colombia)*. Universidad de Alcalá.
14. Verónica Cruz Alonso. 2019. *Long-term dynamics of forest recovery in Mediterranean abandoned fields: Outcomes, processes and drivers of contrasting restoration strategies*. Universidad de Alcalá.
15. Denis Conrado da Cruz. 2020. *Forest loss and forest restoration in the Brazilian Amazon. An overview and applied studies in Paragominas (Pará)*. Universidad de Alcalá.
16. Loreto Martínez de Baroja Villalón. 2021. *Factores determinantes del reclutamiento de encinas (Quercus ilex) en mosaicos agroforestales. Dispersión de bellotas por urracas (Pica pica) y establecimiento de plántulas*. Universidad de Alcalá.

[17-18: I am currently advising two PhD students whose theses will be presented in a near future].