UNIVERSIDAD DE GRANADA

Departamento de Ecología

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Catedrático de Universidad

- Currículum vítae (pdf)
- Perfil Google Scholar

I am Professor of Ecology at the University of Granada. I have worked as a researcher, teacher or visiting professor in different institutions of Spain, Sweden, UK or USA. I currently teach and/or mentor different pre-and post-graduated courses of Ecology at Granada University as well as for American institutions with visiting programs in Granada, such as the Institute for Education of Students (IES, Chicago) or the Consortium for Advanced Studies Abroad (CASA program, Brown University). My research scope is related mostly to Forest Ecology, Restoration Ecology and ecophysiology, including aspects such as plant-animal interactions, plant-plant interactions or plant-soil interactions, with a strong focus on the effect of climate change and global change in Mediterranean forests. I am author or coauthor of ca. 130 publications, including scientific papers, book chapters, and articles for broad distribution, and I have participated in ca. 25 national or international research projects related to these fields of research. I have acted as consultant for the Spanish Environmental Agency and for the International Union for Conservation of Nature (UICN)

Grupo de investigación.

Conservación y Restauración de Ecosistemas y Agroecosistemas (RNM 918)

Líneas de Investigación.

- Restauración de ecosistemas.

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- Ecología del suelo.
- Cambio global.
- Interacciones planta-planta.
- Interacciones planta-animal.

Publicaciones.

- Salazar-Tortosa D., Castro J., Villar-Salvador P., Viñegla B., Matías L., Michelsen A., de Casas R.R. y Querejeta I. (2018). The “isohydric trap”: a proposed feedback between water shortage, stomatal regulation and nutrient acquisition drives differential growth and survival of European pines under climatic dryness. **Global Change Biology** 24: 4069-4083 (doi: 10.1111/gcb.14311).
- Castro J., Molina-Morales M., Leverkus A.B., Martínez-Baroja L., Pérez-Camacho L., Villar-Salvador P., Rebollo S. y Rey-Benayas J.M. (2017). Effective nut dispersal by magpies (Pica pica L.) in a Mediterranean agroecosystem. **Oecologia** 184: 183.
- Leverkus A.B., Rey-Benayas J.M. y Castro J. (2016). Shifting demographic conflicts across recruitment cohorts in a dynamic post-disturbance landscape. **Ecology** 97: 2628-2639.
- Castro J., Leverkus A.B. y Fuster F. (2015). A new device to foster oak forest restoration via seed sowing. **New Forests** 46: 919-929 (DOI 10.1007/s11056-015-9478-4).
- Marañón-Jiménez S. y Castro J. (2013). Effect of decomposing burnt wood on soil fertility and nutrient availability in a Mediterranean ecosystem. **Biogeochemistry** 112: 519-535.
- Castro J., Allen C.D., Molina-Morales M., Marañón-Jiménez S., Sánchez Miranda A. y Zamora R. (2011). Salvage logging versus the use of burnt wood as a nurse object to promote post-fire tree seedling establishment. **Restoration Ecology** 19: 537-544.

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