Calleja-Cervantes, M.E., P.M. Aparicio-Tejo, P.J. Villadas, I. Irigoyen, J. Irañeta, A.J. Fernández-González, M. Fernández-López and S. Menéndez. 2017. Rational application of treated sewage sludge with urea increases GHG mitigation opportunities in Mediterranean soils. Agriculture, Ecosystems and Environment 238: 114-127.

Villadas, P.J., A.V. Lasa, P. Martínez-Hidalgo, E. Martínez-Molina, N. Toro, E. Velázquez and M. Fernández-López. 2017. Analysis of rhizobial endosymbionts of Vicia, Lathyrus and Trifolium species used to maintain mountains firewall in Sierra Nevada National Park (South Spain). Systematic and Applied Microbiology 40(2): 92-101.

Rodríguez-Caballero, G., F. Caravaca, M.M. Alguacil, M. Fernández-López, A.J. Fernández-González and A. Roldán. 2017. Striking alterations in the soil bacterial community structure and functioning of the biological N cycle induced by Pennisetum setaceum invasion in a semiarid environment. Soil Biology and Biochemistry 109: 176-187.

Rodríguez-Caballero, G., F. Caravaca, A.J Fernández-González, M.M. Alguacil, M. Fernández-López and A. Roldán. 2017. Arbuscular mycorrhizal fungi inoculation mediated changes in rhizosphere bacterial community structure while promoting revegetation in a semiarid ecosystem. Science of the Total Environment 584-585: 838-848.

Fernández-González, A.J., J.F. Cobo-Díaz, P. Martínez-Hidalgo, P.J. Villadas, E. Martínez-Molina, N. Toro, S.G. Tringe and M. Fernández-López. 2017. The rhizosphere microbiome of burned holm-oak: potential role of the genus Arthrobacter in the recovery of burned soils. Scientific Reports 7: 6008.

Saramago M, Peregrina A, Robledo M, Matos RG, Hilker R, Serrania J, Becker A,

Arraiano CM, Jiménez-Zurdo JI. Sinorhizobium meliloti YbeY is an endoribonuclease

with unprecedented catalytic features, acting as silencing enzyme in

riboregulation. 2017. Nucleic Acids Res. 45:1371-1391.

Robledo M, Peregrina A, Millán V, García-Tomsig NI, Torres-Quesada O, Mateos

PF, Becker A, Jiménez-Zurdo JI. A conserved α-proteobacterial small RNA

contributes to osmoadaptation and symbiotic efficiency of rhizobia on legume

roots. 2017. Environ Microbiol 19:2661-2680.

Jiménez-Zurdo JI, Robledo M. RNA silencing in plant symbiotic bacteria:

Insights from a protein-centric view. 2017. RNA Biol. doi: 10.1080/15476286.2017.1356565.

Toro N, Villadas PJ, Molina-Sánchez MD, Navarro-Gómez P, Vinardell JM,

Cuesta-Berrio L, Rodríguez-Carvajal MA. The underlying process of early

ecological and genetic differentiation in a facultative mutualistic Sinorhizobium

meliloti population. Sci Rep. 2017 Apr 6;7(1):675. doi:

10.1038/s41598-017-00730-7. PubMed PMID: 28386109; PubMed Central PMCID:

PMC5429615.

Toro N, Martínez-Abarca F, González-Delgado A. The Reverse Transcriptases

Associated with CRISPR-Cas Systems. Sci Rep. 2017 Aug 2;7(1):7089. doi:

10.1038/s41598-017-07828-y. PubMed PMID: 28769116; PubMed Central PMCID:

PMC5541045.