

Publicaciones científicas

Enviadas

1. Guerrero, C., Wetterlind, J., Stenberg, B., Mouazen, A.M., **Gabarrón-Galeote, M.A.**, Ruiz-Sinoga, J.D., Zornoza, R., Viscarra-Rossel, R.A. Do we really need large spectral libraries for local scale SOC assessment with NIR spectroscopy? *Soil & Tillage Research*

Artículos en revistas JCR

1. **Gabarrón-Galeote, M.A.**, Trigalet, S., van Wesemael, B. *In press*. Effect of land abandonment on soil organic carbon fractions along a Mediterranean precipitation gradient. *Geoderma*. DOI: 10.1016/j.geoderma.2015.03.007
2. **Gabarrón-Galeote, M.A.**, Trigalet, S., van Wesemael, B. 2015. Soil organic carbon evolution after land abandonment along a precipitation gradient in southern Spain. *Agriculture, Ecosystems and Environment* 199, 114-123. DOI: 10.1016/j.agee.2014.08.027
3. **Gabarrón-Galeote, M.A.**, Martínez-Murillo, J.F., Quesada, M.A., Ruiz-Sinoga, J.D. 2013. Seasonal changes in the soil hydrological and erosive response depending on aspect, vegetation type and soil water repellency in different Mediterranean microenvironments. *Solid Earth*, 4: 497-509. DOI: 10.5194/se-4-497-2013
4. Martínez-Murillo, J.F., **Gabarrón-Galeote, M.A.**, Ruiz-Sinoga, J.D. 2013. Soil water repellency in Mediterranean rangelands under contrasted climatic, slope and patch conditions in Southern Spain. *Catena*, 110: 196-206. DOI: 10.1016/j.catena.2013.06.007
5. **Gabarrón-Galeote, M.A.**, Ruiz-Sinoga, J.D., Quesada, M.A. 2013. Influence of aspect in soil and vegetation water dynamics in dry Mediterranean conditions: functional adjustment of evergreen and semi deciduous growth forms. *Ecohydrology* 6: 241-255. DOI: 10.1002/eco.1262
6. **Gabarrón-Galeote, M.A.**, Martínez-Murillo, J.F., Ruiz-Sinoga, J.D. 2012. Relevant effects of vegetal cover and litter on the soil hydrological response of two contrasting Mediterranean hillslopes at the end of the dry season. (South of Spain). *Hydrological Processes* 26: 1729-1738. DOI: 10.1002/hyp.8254
7. Ruiz-Sinoga, J.D., García-Marín, R., **Gabarrón-Galeote, M.A.**, Martínez-Murillo, J.F. 2012. Analysis of dry periods along a pluviometric gradient in Mediterranean southern Spain. *International Journal of Climatology* 32: 1558-1571. DOI: 10.1002/joc.2376
8. Ruiz-Sinoga, J.D., **Gabarrón-Galeote, M.A.**, Martínez-Murillo, J.F., García-Marín, R. 2011. Vegetation strategies in soil-water consumption along a pluviometric gradient (South of Spain). *Catena* 84: 12-20. DOI: 10.1016/j.catena.2010.08.011

9. Ruiz-Sinoga, J.D., Martínez-Murillo, J.F., **Gabarrón-Galeote, M.A.**, García-Marín, R. 2011. The effects of soil moisture variability on the vegetation pattern in Mediterranean abandoned fields (Southern Spain). *Catena* 85: 1-11. DOI: 10.1016/j.catena.2010.11.004
10. Ruiz-Sinoga, J.D., García-Marín, R., Martínez-Murillo, J.F., **Gabarrón-Galeote, M.A.** 2011. Precipitation dynamics in the South of Spain. Trends and Cycles. *International Journal of Climatology* 31: 2281-2289. DOI: 10.1002/joc.2235
11. Ruiz-Sinoga, J.D., García-Marín, R., Martínez-Murillo, J.F., **Gabarrón-Galeote, M.A.** 2010. Pluviometric gradient incidence and the hydrological behaviour of soil surface components (Southern Spain). *Land Degradation and Development* 21: 484-495. DOI: 10.1002/ldr.994
12. Ruiz-Sinoga, J.D., Martínez-Murillo, J.F., **Gabarrón-Galeote, M.A.**, García-Marín, R. 2010. Effects of exposure, scrub position and soil surface components in two-years of small plot hydrological responses in South of Spain. *Ecohydrology* 3: 402-412. DOI: 10.1002/eco.159

Artículos en revistas no JCR

1. Martínez-Murillo, J.F., Ruiz-Sinoga, J.D., **Gabarrón-Galeote, M.A.** 2012. Hydrological and erosive effects of over-grazing at patch scale in humid Mediterranean rangelands (Serranía de Ronda, South of Spain). *Cuaternario y Geomorfología* 25, 19-33.

Capítulos de libro

1. Ruiz-Sinoga, J.D., Romero-Díaz, A., Martínez-Murillo, J.F., **Gabarrón-Galeote, M.A.** 2013. El gradiente pluviométrico como método para determinar la dinámica ecogeomorfológica en el contexto del calentamiento global. In: AGE, Dept. de Ciències de la Terra, UIB. Espacios insulares y de frontera, una visión geográfica. Palma de Mallorca, Spain. Pp 469-480.
2. **Gabarrón-Galeote, M.A.**, Martínez-Murillo, J.F., Quesada, M.A. Ruiz-Sinoga, J.D. 2011. Balance hídrico en *Quercus suber* y tres especies del matorral mediterráneo ante los cambios en la humedad del suelo en dos laderas con orientaciones Norte y Sur (Provincia de Málaga, sur de España). In: Martínez, J., Sánchez, N. Estudios de la zona no saturada del suelo, Vol. X. Salamanca, Spain. Pp 41-46.
3. Martínez-Murillo, J.F., Ruiz-Sinoga, J.D., **Gabarrón-Galeote, M.A.** 2010. Factores de escorrentía y pérdida de suelo bajo *Cistus monspeliensis* y en suelo desnudo en lluvias simuladas. In: Úbeda, X., Vericat, D., Batalla, R.J. Avances de la Geomorfología en España, 2008-10. Lleida, Spain. Pp 149-152.
4. Ruiz-Sinoga, J.D., Martínez-Murillo, J.F., **Gabarrón-Galeote, M.A.** 2010. Control de la orientación y los componentes superficiales del suelo en la escorrentía y pérdida de suelo en parcelas de un área pastoreada (Sur de España). In: Úbeda, X., Vericat, D., Batalla, R.J. Avances de la Geomorfología en España, 2008-10. Lleida, Spain. Pp 177-182.

5. Ruiz-Sinoga, J.D., Martínez-Murillo, J.F., **Gabarrón-Galeote, M.A.** 2009. Variabilidad de la disponibilidad hídrica superficial para la vegetación a lo largo de un gradiente pluviométrico. In: Romero Diaz, A., Belmonte Serrato, F., Alonso Sarria, F., López Bermudez, F. Avances en estudios sobre desertificación. Murcia, Spain. Pp: 615-618.
6. Ruiz-Sinoga, J.D., Ferre-Bueno, E., Martínez-Murillo, J.F., **Gabarrón-Galeote, M.A.** 2009. Incidencia del stress hídrico en las relaciones suelo-agua-planta a lo largo de un gradiente pluviométrico en el sur de España. In: Romero Diaz, A., Belmonte Serrato, F., Alonso Sarria, F., López Bermudez, F. Avances en estudios sobre desertificación. Murcia, Spain. Pp: 619-622.

Contribuciones a congresos

1. **Gabarrón-Galeote, M.A.**, Trigalet, S., van Wesemael, B. 2015. Effect of land abandonment on soil organic carbon fractions along a precipitation gradient in Mediterranean conditions. En: Geophysical Research Abstracts. EGU General Assembly 2015 (17). Viena, Austria.
2. Trigalet, S., **Gabarrón-Galeote, M.A.**, Van Oost, K., van Wesemael, B. 2015. Quantification of functional SOC pools in a chronosequence of land abandonment in Andalucía. En: Geophysical Research Abstracts. EGU General Assembly 2015 (17). Viena, Austria.
3. **Gabarrón-Galeote, M.A.**, Trigalet, S., van Wesemael, B. 2014. Preliminary results of the evolution of total and organo-mineral associated SOC after land abandonment in Mediterranean climate (South of Spain). The Earth Living Skin: Soil, Life and Climate Changes. Bari, Italy.
4. **Gabarrón-Galeote, M.A.**, Trigalet, S., van Wesemael, B. 2014. Soil organic carbon response to land abandonment along a pluviometric gradient in Mediterranean conditions (South of Spain). En: Geophysical Research Abstracts. EGU General Assembly 2014 (16). Viena, Austria.
5. **Gabarrón-Galeote, M.A.**, Martínez-Murillo, J.F., Quesada, M.A., Ruiz-Sinoga, J.D., 2014. Aspect and soil water repellency controlling water erosion in dry Mediterranean environment. En: Geophysical Research Abstracts. EGU General Assembly 2014 (16). Viena, Austria.
6. Ruiz-Sinoga, J.D., **Gabarrón-Galeote, M.A.**, Cerdà, A., Martínez-Murillo, J.F., 2014. Contribution of the climatic transect approach application to the study of soil degradation in South of Spain. En: Geophysical Research Abstracts. EGU General Assembly 2014 (16). Viena, Austria.
7. Martínez-Murillo, J.F., Ruiz-Sinoga, J.D., Jiménez-Donaire, V., Hueso-González, P., **Gabarrón-Galeote, M.A.**, 2014. Effects of fire on organic matter content and aggregate stability of soils in South of Spain. En: Geophysical Research Abstracts. EGU General Assembly 2014 (16). Viena, Austria.

8. Guerrero, C., Wetterlind, J., Stenberg, B., Viscarra-Rossel, R.A., Zornoza, R., Maestre, F.T., Mouazen, A.M., Kuang, B., Ruiz-Sinoga, J.D., **Gabarrón-Galeote, M.A.**, 2014. Do we really need large spectral libraries for the assessment of soil organic carbon at local scale? En: Geophysical Research Abstracts. EGU General Assembly 2014 (16). Viena, Austria.
9. **Gabarrón-Galeote, M.A.**, van Wesemael, B. 2013. A project to study SOC evolution after land use change combining chronosequence and gradient methods. En: Geophysical Research Abstracts. EGU General Assembly 2013 (15). Viena, Austria.
10. **Gabarrón-Galeote, M.A.**, Ruiz-Sinoga, J.D., Martínez-Murillo, J.F., Lavee, H. 2013. Biological and physical factors controlling aggregate stability under different climatic conditions in Southern Spain. En: Geophysical Research Abstracts. EGU General Assembly 2013 (15). Viena, Austria.
11. Jiménez-Donaire, V., **Gabarrón-Galeote, M.A.**, Martínez-Murillo, J.F., Ruiz-Sinoga, J.D. 2013. Analysis of soil water repellency under different eco-geomorphological conditions in Mediterranean environments (South of Spain). En: Geophysical Research Abstracts. EGU General Assembly 2013 (15). Viena, Austria.
12. Martínez-Murillo, J.F., **Gabarrón-Galeote, M.A.**, Ruiz-Sinoga, J.D. 2013. Temporal variability of soil water repellency in field conditions under humid Mediterranean climate (South of Spain). En: Geophysical Research Abstracts. EGU General Assembly 2013 (15). Viena, Austria.
13. Hueso-González, P., Martínez-Murillo, J.F., Ruiz-Sinoga, J.D., **Gabarrón-Galeote, M.A.** 2013. Short term changes of organic matter content in experimental plots with different treatments (MALAGA, SOUTHERN SPAIN). En: Geophysical Research Abstracts. EGU General Assembly 2013 (15). Viena, Austria.
14. Cerdà, A., Giménez-Morera, A., Molina-Navarro, E., **Gabarrón-Galeote, M.A.**, Civera, C. 2013. Geograns. Caminar para entender el territorio y sus gentes. XIII Encuentro AEPUM. Valencia. Spain
15. **Gabarrón-Galeote, M.A.**, Martínez-Murillo, J.F., Ruiz-Sinoga, J.D. 2012. Influence of SWR on the hydrological response on two contrasting Mediterranean hillslopes at plot scale using rainfall simulations. En: Geophysical Research Abstracts. EGU General Assembly 2012 (14). Viena, Austria.
16. Ruiz-Sinoga, J.D., Martínez-Murillo, J.F., **Gabarrón-Galeote, M.A.**, Senciales-González, J.M. 2012. Analysis of dry periods using the DDSLR index in the Mediterranean southern Spain. En: Geophysical Research Abstracts. EGU General Assembly 2012 (14). Viena, Austria.
17. Martínez-Murillo, J.F., Ruiz-Sinoga, J.D., **Gabarrón-Galeote, M.A.** 2011. Assessment of over-grazing effects on water and soil resources in southern Spain. En: Geophysical Research Abstracts. EGU General Assembly 2011 (13). Viena, Austria.

18. Ruiz-Sinoga, J.D., **Gabarrón-Galeote, M.A.**, Martínez-Murillo, J.F. 2010. Vegetation hydrological behaviour along a Mediterranean pluviometric gradient. En: Geophysical Research Abstracts. EGU General Assembly 2010 (12). Viena, Austria.
19. Ruiz-Sinoga, J.D., Romero-Díaz, A., Martínez-Murillo, J.F., **Gabarrón-Galeote, M.A.** 2010. Incidence of soil surface components as regulators of hydrological processes along a Mediterranean transect (Southern Spain). En: Geophysical Research Abstracts. EGU General Assembly 2010 (12). Viena, Austria.
20. Ruiz-Sinoga, J.D., Martínez-Murillo, J.F., **Gabarrón-Galeote, M.A.** 2010. Antecedent rainfall effects on the annual variability of water repellency in a patchy-vegetated Mediterranean hillslope (Almogía experimental fieldsite, Southern Spain). En: Geophysical Research Abstracts. EGU General Assembly 2010 (12). Viena, Austria.
21. Ruiz-Sinoga, J.D., Martínez-Murillo, J.F., **Gabarrón-Galeote, M.A.** 2010. Factors affecting runoff and soil detachment in micro-plots under different climatic conditions (South of Spain). En: Geophysical Research Abstracts. EGU General Assembly 2010 (12). Viena, Austria.
22. **Gabarrón-Galeote, M.A.**, Belmonte-Serrato, F., Ruiz-Sinoga, J.D., Romero-Díaz, A., Martínez-Murillo, J.F. 2010. La vegetación como gestor hidrológico en condiciones mediterráneas secas. IV Congreso Ibérico de la Ciencia del Suelo. Granada. Spain.
23. Belmonte-Serrato, F., Ruiz-Sinoga, J.D., Romero-Díaz, A., **Gabarrón-Galeote, M.A.** 2010. Primeros resultados de precipitación neta bajo vegetación mediterránea semiárida y su influencia en la distribución de la humedad y propiedades del suelo. IV Congreso Ibérico de la Ciencia del Suelo. Granada. Spain.
24. Martínez-Murillo, J.F., Ruiz-Sinoga, J.D., **Gabarrón-Galeote, M.A.** 2010. Assessment of the factors of soil degradation in Mediterranean rangelands (Southern Spain). Seminario "Evaluación de procesos de degradación de suelos: problemas metodológicos". Lleida. Spain.
25. Ruiz-Sinoga, J.D., Ferre-Bueno, E., Martínez-Murillo, J.F., **Gabarrón-Galeote, M.A.** 2009. A short term response of the ecogeomorphological system under hydric stress situations along a Mediterranean pluviometric gradient. En: Geophysical Research Abstracts. EGU General Assembly 2009 (11). Viena, Austria.
26. Ruiz-Sinoga, J.D., Martínez-Murillo, J.F., **Gabarrón-Galeote, M.A.** 2009. Absorption capacity of soil organic carbon by degraded areas. (Southern Spain). En: Geophysical Research Abstracts. EGU General Assembly 2009 (11). Viena, Austria.
27. Ruiz-Sinoga, J.D., Ferre-Bueno, E., Martínez-Murillo, J.F., **Gabarrón-Galeote, M.A.** 2009. CEC as indicator of degradation of the ecogeomorphological system along a pluviometric gradient. South of Spain. En: Geophysical Research Abstracts. EGU General Assembly 2009 (11). Viena, Austria.

28. Ruiz-Sinoga, J.D., Martínez-Murillo, J.F., **Gabarrón-Galeote, M.A.** 2009. Incidence of the soil erodibility in the soil organic carbon sequestration along a pluviometric gradient. South of Spain. En: Geophysical Research Abstracts. EGU General Assembly 2009 (11). Viena, Austria.