

AUTHORS	TITLE	DOI	SOURCE TITLE
Fedriani J.M., García L.V., Sánchez M.E., Calderón J., Ramo C.	Long-term impact of protected colonial birds on a jeopardized cork oak population: conservation bias leads to restoration failure	10.1111/1365-2664.12672	Journal of Applied Ecology
Garrido-Jurado I., Resquín-Romero G., Amarilla S.P., Ríos-Moreno A., Carrasco L., Quesada-Moraga E.	Transient endophytic colonization of melon plants by entomopathogenic fungi after foliar application for the control of Bemisia tabaci Gennadius (Hemiptera: Aleyrodidae)	10.1007/s10340-016-0767-2	Journal of Pest Science
González Perea R., Fernández García I., Martín Arroyo M., Rodríguez Díaz J.A., Camacho Poyato E., Montesinos P.	Multiplatform application for precision irrigation scheduling in strawberries	10.1016/j.agwat.2016.07.017	Agricultural Water Management
García-Tejera O., López-Bernal Á., Testi L., Villalobos F.J.	A soil-plant-atmosphere continuum (SPAC) model for simulating tree transpiration with a soil multi-compartment solution	10.1007/s11104-016-3049-0	Plant and Soil
Jiménez-Díaz R.M., Olivares-García C., Trapero-Casas J.L., Jiménez-Gasco M.M., Navas-Cortés J.A., Landa B.B., Milgroom M.G.	Variation of pathotypes and races and their correlations with clonal lineages in <i>Verticillium dahliae</i>	10.1111/ppa.12611	Plant Pathology
Varo A., Mulero-Aparicio A., Adem M., Roca L.F., Raya-Ortega M.C., López-Escudero F.J., Trapero A.	Screening water extracts and essential oils from Mediterranean plants against <i>Verticillium dahliae</i> in olive	10.1016/j.cropro.2016.10.018	Crop Protection
Llorens E., Agustí-Brisach C., González-Hernández A.I., Troncho P., Vicedo B., Yuste T., Orero M., Ledó C., García-Agustín P., Lapeña L.	Bioassimilable sulphur provides effective control of <i>Oidium neolycopersici</i> in tomato, enhancing the plant immune system	10.1002/ps.4419	Pest Management Science
Pedreira-Parrilla A., Pachepsky Y.A., Taguas E.V., Martos-Rosillo S., Giráldez J.V., Vanderlinden K.	Concurrent temporal stability of the apparent electrical conductivity and soil water content	10.1016/j.jhydrol.2016.10.017	Journal of Hydrology

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Lopez-Bellido R.J., Muñoz-Romero V., Fuentes-Guerra R., Fernandez-Garcia P., Lopez-Bellido L.	No-till: A key tool for sequestering C and N in microaggregates on a Mediterranean Vertisol	10.1016/j.still.2016.09.012	Soil and Tillage Research
González M., Pérez-Sierra A., Serrano M.S., Sánchez M.E.	Two Phytophthora species causing decline of wild olive ( <i>Olea europaea</i> subsp. <i>europaea</i> var. <i>sylvestris</i> )	10.1111/ppa.12649	Plant Pathology
BAVARESCO J., FINK J.R., RODRIGUES M.L.K., GIANELLO C., BARRÓN V., TORRENT J.	Chromium Adsorption in Different Mineralogical Fractions from Subtropical Soils	10.1016/S1002-0160(17)60300-X	Pedosphere
Melián-Navarro A., Molina-Martínez J.M., Rodríguez-Díaz J.A., Ruiz-Canales A.	Performance indicators to assess the implementation of automation in golf courses located in Southeast Spain	10.1016/j.agwat.2016.11.017	Agricultural Water Management
Foster T., Brozović N., Butler A.P., Neale C.M.U., Raes D., Steduto P., Fereres E., Hsiao T.C.	AquaCrop-OS: An open source version of FAO's crop water productivity model	10.1016/j.agwat.2016.11.015	Agricultural Water Management
Vanwalleghem T., Gómez J.A., Infante Amate J., González de Molina M., Vanderlinden K., Guzmán G., Laguna A., Giráldez J.V.	Impact of historical land use and soil management change on soil erosion and agricultural sustainability during the Anthropocene	10.1016/j.ancene.2017.01.002	Anthropocene
Hayas A., Vanwalleghem T., Laguna A., Penã A., Giráldez J.V.	Reconstructing long-term gully dynamics in Mediterranean agricultural áreas	10.5194/hess-21-235-2017	Hydrology and Earth System Sciences
Fouial A., Fernández García I., Bragalli C., Brath A., Lamaddalena N., Rodríguez Diaz J.A.	Optimal operation of pressurised irrigation distribution systems operating by gravity	10.1016/j.agwat.2017.01.010	Agricultural Water Management
Sánchez-Rodríguez A.R., del Campillo M.C., Torrent J.	Phosphorus reduces the zinc concentration in cereals pot-grown on calcareous Vertisols from southern Spain	10.1002/jsfa.8195	Journal of the Science of Food and Agriculture
Castro-Orgaz O., Chanson H.	Ritter's dry-bed dam-break flows: positive and negative wave dynamics	10.1007/s10652-017-9512-5	Environmental Fluid Mechanics

AUTHORS	TITLE	DOI	SOURCE TITLE
Pimentel R., Herrero J., Polo M.J.	Subgrid parameterization of snow distribution at a Mediterranean site using terrestrial photography	10.5194/hess-21-805-2017	Hydrology and Earth System Sciences
Moral J., Agustí-Brisach C., Pérez-Rodríguez M., Xavier C., Raya M.C., Rhouma A., Trapero A.	Identification of fungal species associated with branch dieback of olive and resistance of table cultivars to <i>Neofusicoccum mediterraneum</i> and <i>Botryosphaeria dothidea</i>	10.1094/PDIS-06-16-0806-RE	Plant Disease
Giménez C., García-López T., Suárez-Rey E.M., Gallardo M., Stöckle C.O.	Adaptation of VegSyst model to open air lettuce crops to be used in a decision support system	10.17660/ActaHortic.2017.1150.53	Acta Horticulturae
Zhao L., Hong H., Fang Q., Yin K., Wang C., Li Z., Torrent J., Cheng F., Algeo T.J.	Monsoonal climate evolution in southern China since 1.2 Ma: New constraints from Fe-oxide records in red earth sediments from the Shengli section, Chengdu Basin	10.1016/j.palaeo.2017.02.027	Palaeogeography, Palaeoclimatology, Palaeoecology
Muñoz-Romero V., Lopez-Bellido R.J., Fernandez-Garcia P., Redondo R., Murillo S., Lopez-Bellido L.	Effects of tillage, crop rotation and N application rate on labile and recalcitrant soil carbon in a Mediterranean Vertisol	10.1016/j.still.2017.02.004	Soil and Tillage Research
Vanderlinden K., Pachepsky Y.A., Pederera-Parrilla A., Martínez G., Espejo-Pérez A.J., Perea F., Giráldez J.V.	Water retention and preferential states of soil moisture in a cultivated vertisol	10.2136/sssaj2016.06.0199	Soil Science Society of America Journal
Arroyo-Manzanares N., Diana Di Mavungu J., Garrido-Jurado I., Arce L., Vanhaecke L., Quesada-Moraga E., De Saeger S.	Analytical strategy for determination of known and unknown destruxins using hybrid quadrupole-Orbitrap high-resolution mass spectrometry	10.1007/s00216-017-0276-z	Analytical and Bioanalytical Chemistry
Bergillos R.J., Rodríguez-Delgado C., Ortega-Sánchez M.	Advances in management tools for modeling artificial nourishments in mixed beaches	10.1016/j.jmarsys.2017.02.009	Journal of Marine Systems
González M., Caetano P., Sánchez M.E.	Testing systemic fungicides for control of <i>Phytophthora</i> oak root disease	10.1111/efp.12343	Forest Pathology
Fernández García I., Montesinos P., Camacho Poyato E., Rodríguez Díaz J.A.	Optimal Design of Pressurized Irrigation Networks to Minimize the Operational Cost under Different Management Scenarios	10.1007/s11269-017-1629-2	Water Resources Management

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Hager W.H., Castro-Orgaz O.	William froude and the froude number	10.1061/(ASCE)HY.1943-7900.0001213	Journal of Hydraulic Engineering
Solari S., Egüen M., Polo M.J., Losada M.A.	Peaks Over Threshold (POT): A methodology for automatic threshold estimation using goodness of fit p-value	10.1002/2016WR019426	Water Resources Research
Claudio C., Di Iorio E., Liu Q., Jiang Z., Barrón V.	Iron oxide nanoparticles in soils: Environmental and agronomic importance	10.1166/jnn.2017.14197	Journal of Nanoscience and Nanotechnology
Turpin N., ten Berge H., Grignani C., Guzmán G., Vanderlinden K., Steinmann H.-H., Siebielec G., Spiegel A., Perret E., Ruyschaert G., Laguna A., Giráldez J.V., Werner M., Raschke I., Zavattaro L., Costamagna C., Schlatter N., Berthold H., Sandén T., Bau	An assessment of policies affecting Sustainable Soil Management in Europe and selected member states	10.1016/j.landusepol.2017.04.001	Land Use Policy
Jiménez-Moreno M.J., Fernández-Escobar R.	Influence of nutritional status of phosphorus on flowering in the olive ( <i>Olea europaea</i> L.)	10.1016/j.scienta.2017.05.028	Scientia Horticulturae
Bergillos R.J., Ortega-Sánchez M.	Assessing and mitigating the landscape effects of river damming on the Guadalfeo River delta, southern Spain	10.1016/j.landurbplan.2017.05.002	Landscape and Urban Planning
Taguas E.V., Vanderlinden K., Pedrera-Parrilla A., Giráldez J.V., Gómez J.A.	Spatial and temporal variability of spontaneous grass cover and its influence on sediment losses in an extensive olive orchard catchment	10.1016/j.catena.2017.05.017	Catena
Carpio A.J., Soriano M.-A., Guerrero-Casado J., Prada L.M., Tortosa F.S., Lora Á., Gómez J.A.	Evaluation of an unpalatable species ( <i>Anthemis arvensis</i> L.) as an alternative cover crop in olive groves under high grazing pressure by rabbits	10.1016/j.agee.2017.05.028	Agriculture, Ecosystems and Environment
García G.A., Rosas E.P., García-Ferrer A., Barrios P.M.	Multi-objective spatial optimization: Sustainable land use allocation at sub-regional scale	10.3390/su9060927	Sustainability (Switzerland)
Bonilla-Bedoya S., López-Ulloa M., Vanwallegem T., Herrera-Machuca M.Á.	Effects of Land Use Change on Soil Quality Indicators in Forest Landscapes of the Western Amazon	10.1097/SS.0000000000000203	Soil Science

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Raya-Díaz S., Quesada-Moraga E., Barrón V., del Campillo M.C., Sánchez-Rodríguez A.R.	Redefining the dose of the entomopathogenic fungus <i>Metarhizium brunneum</i> (Ascomycota, Hypocreales) to increase Fe bioavailability and promote plant growth in calcareous and sandy soils	10.1007/s11104-017-3303-0	Plant and Soil
Sánchez-Rodríguez A.R., Hill P.W., Chadwick D.R., Jones D.L.	Crop residues exacerbate the negative effects of extreme flooding on soil quality	10.1007/s00374-017-1214-0	Biology and Fertility of Soils
López-Bernal A., Villalobos F.J., García-Tejera O., Testi L., Orgaz F.	Do olive vegetative buds undergo a real dormant state in winter?	10.17660/ActaHortic.2017.1160.33	Acta Horticulturae
Dey S., Kishore G.R., Castro-Orgaz O., Ali S.Z.	Hydrodynamics of submerged turbulent plane offset jets	10.1063/1.4989559	Physics of Fluids
Medina-López E., Bergillos R.J., Moñino A., Clavero M., Ortega-Sánchez M.	Effects of seabed morphology on oscillating water column wave energy converters	10.1016/j.energy.2017.06.165	Energy
Fernández-Bravo M., Flores-León A., Calero-López S., Gutiérrez-Sánchez F., Valverde-García P., Quesada-Moraga E.	UV-B radiation-related effects on conidial inactivation and virulence against <i>Ceratitis capitata</i> (Wiedemann) (Diptera; Tephritidae) of phylloplane and soil <i>Metarhizium</i> sp. strains	10.1016/j.jip.2017.06.012	Journal of Invertebrate Pathology
García-Tejera O., López-Bernal Á., Orgaz F., Testi L., Villalobos F.J.	Analysing the combined effect of wetted area and irrigation volume on olive tree transpiration using a SPAC model with a multi-compartment soil solution	10.1007/s00271-017-0549-5	Irrigation Science
Pagani V., Guarneri T., Fumagalli D., Movedi E., Testi L., Klein T., Calanca P., Villalobos F., Lopez-Bernal A., Niemeyer S., Bellocchi G., Confalonieri R.	Improving cereal yield forecasts in Europe – The impact of weather extremes	10.1016/j.eja.2017.06.010	European Journal of Agronomy
Lozano-Tovar M.D., Garrido-Jurado I., Quesada-Moraga E., Raya-Ortega M.C., Trapero-Casas A.	<i>Metarhizium brunneum</i> and <i>Beauveria bassiana</i> release secondary metabolites with antagonistic activity against <i>Verticillium dahliae</i> and <i>Phytophthora megasperma</i> olive pathogens	10.1016/j.cropro.2017.06.026	Crop Protection
Avila J.M., Linares J.C., García-Nogales A., Sánchez M.E., Gómez-Aparicio L.	Across-scale patterning of plant-soil-pathogen interactions in <i>Quercus suber</i> decline	10.1007/s10342-017-1064-1	European Journal of Forest Research

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Padilla F.M., Peña-Fleitas M.T., Gallardo M., Giménez C., Thompson R.B.	Derivation of sufficiency values of a chlorophyll meter to estimate cucumber nitrogen status and yield	10.1016/j.compag.2017.07.005	Computers and Electronics in Agriculture
Hager W.H., Castro-Orgaz O.	Alexander Koch: Hydraulic engineer	10.1061/(ASCE)HY.1943-7900.0001350	Journal of Hydraulic Engineering
Aguilar C., Montanari A., Polo M.-J.	Real-time updating of the flood frequency distribution through data assimilation	10.5194/hess-21-3687-2017	Hydrology and Earth System Sciences
Ríos-Moreno A., Garrido-Jurado I., Raya-Ortega M.C., Quesada-Moraga E.	Quantification of fungal growth and destruxin A during infection of Galleria mellonella larvae by Metarhizium brunneum	10.1016/j.jip.2017.06.007	Journal of Invertebrate Pathology
Reimann T., Román-Sánchez A., Vanwalleggem T., Wallinga J.	Getting a grip on soil reworking – Single-grain feldspar luminescence as a novel tool to quantify soil reworking rates	10.1016/j.quageo.2017.07.002	Quaternary Geochronology
Fernández García I., González Perea R., Moreno M.A., Montesinos P., Camacho Poyato E., Rodríguez Díaz J.A.	Semi-arranged demand as an energy saving measure for pressurized irrigation networks	10.1016/j.agwat.2017.07.025	Agricultural Water Management
Benlloch-González M., Sánchez-Lucas R., Benlloch M.	Effects of olive root warming on potassium transport and plant growth	10.1016/j.jplph.2017.07.018	Journal of Plant Physiology
Bergillos R.J., Masselink G., Ortega-Sánchez M.	Coupling cross-shore and longshore sediment transport to model storm response along a mixed sand-gravel coast under varying wave directions	10.1016/j.coastaleng.2017.09.009	Coastal Engineering
Hayas A., Poesen J., Vanwalleggem T.	Rainfall and Vegetation Effects on Temporal Variation of Topographic Thresholds for Gully Initiation in Mediterranean Cropland and Olive Groves	10.1002/ldr.2805	Land Degradation and Development
Raya-Díaz S., Sánchez-Rodríguez A.R., Segura-Fernández J.M., Del Campillo M.D.C., Quesada-Moraga E.	Entomopathogenic fungi-based mechanisms for improved Fe nutrition in sorghum plants grown on calcareous substrates	10.1371/journal.pone.0185903	PLoS ONE
Yousef M., Garrido-Jurado I., Ruíz-Torres M., Quesada-Moraga E.	Reduction of adult olive fruit fly populations by targeting preimaginals in the soil with the entomopathogenic fungus Metarhizium brunneum	10.1007/s10340-016-0779-y	Journal of Pest Science

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Pimentel R., Herrero J., Polo M.J.	Quantifying snow cover distribution in semiarid regions combining satellite and terrestrial imagery	10.3390/rs9100995	Remote Sensing
García Morillo J., Rodríguez Díaz J.A., Camacho E., Montesinos P.	Drip Irrigation Scheduling Using Hydrus 2-D Numerical Model Application for Strawberry Production in South-West Spain	10.1002/ird.2177	Irrigation and Drainage
Montes-Borrego M., Muñoz-Ledesma F.J., Jiménez-Díaz R.M., Landa B.B.	Local infection of opium poppy leaves by Peronospora somniferi sporangia can give rise to systemic infections and seed infection in resistant cultivars	10.5424/sjar/2017153-10864	Spanish Journal of Agricultural Research
Olmedo Vázquez V.M., Minjares Lugo J.L., Poyato E.C., Hernández M.L.H., Rodríguez Díaz J.A.	Use of the data envelopment analysis (DEA) to evaluate the efficiency of irrigation in the modules of the irrigation of district No. 041, río yaqui (Sonora, Mexico) [Uso del análisis envolvente de datos (DEA) para evaluar la eficiencia de riego en los mód		Revista de la Facultad de Ciencias Agrarias
Olmedo Vázquez V.M., Poyato E.C., Rodríguez Díaz J.A., Minjares Lugo J.L., Hernández M.L.H.	Determination of management indicators on irrigation districts modules 041, río yaqui (sonora, Mexico) [Determinación de indicadores de gestión en los módulos del distrito de riego no. 041, río yaqui (Sonora, México)]		Revista de la Facultad de Ciencias Agrarias
Moral J., Xaviér C.J., Viruega J.R., Roca L.F., Caballero J., Trapero A.	Variability in susceptibility to anthracnose in the world collection of olive cultivars of Cordoba (Spain)	10.3389/fpls.2017.01892	Frontiers in Plant Science
López-Moral A., Raya-Ortega M.C., Agustí-Brisach C., Roca L.F., Lovera M., Luque F., Arquero O., Trapero A.	Morphological, pathogenic, and molecular characterization of Colletotrichum Acutatum isolates causing almond anthracnose in Spain	10.1094/PDIS-03-17-0318-RE	Plant Disease
Pelzer E., Bourlet C., Carlsson G., Lopez-Bellido R.J., Jensen E.S., Jeuffroy M.-H.	Design, assessment and feasibility of legume-based cropping systems in three European regions	10.1071/CP17064	Crop and Pasture Science
Gómez J.A., Francia J.R., Guzmán G., Vanwallegem T., Durán Zuazo V.H., Castillo C., Aranda M., Cárceles B., Moreno A., Torrent J., Barrón V.	Lateral transfer of organic carbon and phosphorus by water erosion at hillslope scale in southern Spain olive orchards	10.2136/vzj2017.02.0047	Vadose Zone Journal

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Ríos P., González M., Obregón S., Carbonero M.-D., Leal J.-R., Fernández P., De-Haro A., Sánchez M.-E.	Brassica-based seedmeal biofumigation to control <i>Phytophthora cinnamomi</i> in the Spanish "dehesa" oak trees	10.14601/Phytopathol_Mediterr-20771	Phytopathologia Mediterranea
Pedraza V., Perea F., Saavedra M., Fuentes M., Alcántara C.	<i>Vicia narbonensis</i> -avena strigosa mixture, a viable alternative in rainfed cropping systems under Mediterranean conditions	10.5424/sjar/2017154-10882	Spanish Journal of Agricultural Research
Cuestas M.I., Mattioni C., Martín L.M., Vargas-Osuna E., Cherubini M., Martín M.A.	Functional genetic diversity of chestnut ( <i>Castanea sativa</i> mill.) populations from southern Spain	10.5424/fs/2017263-11547	Forest Systems
Taguas E.V., Nadal-Romero E., Ayuso J.L., Casalí J., Cid P., Dafonte J., Canatário-Duarte A., Ferreira C.S.S., Giménez R., Giráldez J.V., Gómez-Macpherson H., Gómez J.A., González-Hidalgo J.C., Lana-Renault N., Lucía A., Mateos L., Pérez R., Rodríguez-Bla	Hydrological signatures based on event runoff coefficients in rural catchments of the Iberian Peninsula	10.1097/SS.0000000000000210	Soil Science
López-Bernal Á., Testi L., Villalobos F.J.	A single-probe heat pulse method for estimating sap velocity in trees	10.1111/nph.14694	New phytologist