

AUTHORS	TITLE	DOI	SOURCE TITLE
Román-Sánchez A., Vanwalleghem T., Peña A., Laguna A., Giráldez J.V.	Controls on soil carbon storage from topography and vegetation in a rocky, semi-arid landscapes	10.1016/j.geoderma.2016.10.013	Geoderma
Sánchez-Rodríguez A.R., Raya-Díaz S., Zamarreño Á.M., García-Mina J.M., del Campillo M.C., Quesada-Moraga E.	An endophytic <i>Beauveria bassiana</i> strain increases spike production in bread and durum wheat plants and effectively controls cotton leafworm (<i>Spodoptera littoralis</i>) larvae	10.1016/j.biocontrol.2017.01.012	Biological Control
Gómez J.A., Campos M., Guzmán G., Castillo-Llanque F., Vanwalleghem T., Lora Á., Giráldez J.V.	Soil erosion control, plant diversity, and arthropod communities under heterogeneous cover crops in an olive orchard	10.1007/s11356-016-8339-9	Environmental Science and Pollution Research
Yousef M., Aranda-Valera E., Quesada-Moraga E.	Lure-and-infect and lure-and-kill devices based on <i>Metarhizium brunneum</i> for spotted wing <i>Drosophila</i> control	10.1007/s10340-017-0874-8	Journal of Pest Science
Rafiei V., Banihashemi Z., Jiménez-Díaz R.M., Navas-Cortés J.A., Landa B.B., Jiménez-Gasco M.M., Turgeon B.G., Milgroom M.G.	Comparison of genotyping by sequencing and microsatellite markers for unravelling population structure in the clonal fungus <i>Verticillium dahliae</i>	10.1111/ppa.12713	Plant Pathology
Horta C., Roboredo M., Carneiro J.P., Duarte A.C., Torrent J., Sharpley A.	Organic amendments as a source of phosphorus: agronomic and environmental impact of different animal manures applied to an acid soil	10.1080/03650340.2017.1346372	Archives of Agronomy and Soil Science
Ríos-Moreno A., Quesada-Moraga E., Garrido-Jurado I.	Treatments with <i>Metarhizium brunneum</i> BIPESCO5 and EAMa 01/58-Su strains (Ascomycota: Hypocreales) are low risk for the generalist predator <i>Chrysoperla carnea</i>	10.1007/s10340-017-0905-5	Journal of Pest Science
González Perea R., Daccache A., Rodríguez Díaz J.A., Camacho Poyato E., Knox J.W.	Modelling impacts of precision irrigation on crop yield and in-field water management	10.1007/s11119-017-9535-4	Precision Agriculture
Bonfatti B.R., Hartemink A.E., Vanwalleghem T., Minasny B., Giasson E.	A mechanistic model to predict soil thickness in a valley area of Rio Grande do Sul, Brazil	10.1016/j.geoderma.2017.08.036	Geoderma

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Bergillos R.J., López-Ruiz A., Principal-Gómez D., Ortega-Sánchez M.	An integrated methodology to forecast the efficiency of nourishment strategies in eroding deltas	10.1016/j.scitotenv.2017.09.197	Science of the Total Environment
Fouial A., García I.F., Bragalli C., Lamaddalena N., Diaz J.A.R.	Multi-Objective Optimization Model Based on Localized Loops for the Rehabilitation of Gravity-fed Pressurized Irrigation Networks	10.1007/s11269-017-1821-4	Water Resources Management
López-Ruiz A., Bergillos R.J., Raffo-Caballero J.M., Ortega-Sánchez M.	Towards an optimum design of wave energy converter arrays through an integrated approach of life cycle performance and operational capacity	10.1016/j.apenergy.2017.10.062	Applied Energy
Bergillos R.J., López-Ruiz A., Medina-López E., Moñino A., Ortega-Sánchez M.	The role of wave energy converter farms on coastal protection in eroding deltas, Guadalfeo, southern Spain	10.1016/j.jclepro.2017.10.018	Journal of Cleaner Production
Ortega-Sánchez M., Moñino A., Bergillos R.J., Magaña P., Clavero M., Díez-Minguito M., Baquerizo A.	Confronting learning challenges in the field of maritime and coastal engineering: Towards an educational methodology for sustainable development	10.1016/j.jclepro.2017.10.049	Journal of Cleaner Production
Cañizares M.C., López-Escudero F.J., Pérez-Artés E., García-Pedrajas M.D.	Characterization of a novel single-stranded RNA mycovirus related to invertebrate viruses from the plant pathogen <i>Verticillium dahliae</i>	10.1007/s00705-017-3644-2	Archives of Virology
Jones D.L., Magthab E.A., Gleeson D.B., Hill P.W., Sánchez-Rodríguez A.R., Roberts P., Ge T., Murphy D.V.	Microbial competition for nitrogen and carbon is as intense in the subsoil as in the topsoil	10.1016/j.soilbio.2017.10.024	Soil Biology and Biochemistry
Flammini A., Corradini C., Morbidelli R., Saltalippi C., Picciafuoco T., Giráldez J.V.	Experimental Analyses of the Evaporation Dynamics in Bare Soils under Natural Conditions	10.1007/s11269-017-1860-x	Water Resources Management
Spinola D.N., Portes R.D.C., Srivastava P., Torrent J., Barrón V., Kühn P.	Diagenetic reddening of Early Eocene paleosols on King George Island, Antarctica	10.1016/j.geoderma.2017.11.010	Geoderma
Lombardo L., Trujillo C., Vanwalleghem T., Gómez J.A.	Organic carbon fluxes by precipitation, throughfall and stemflow in an olive orchard in Southern Spain	10.1080/11263504.2017.1414082	Plant Biosystems

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Romero J., Agustí-Brisach C., Santa Bárbara A.E., Cherifi F., Oliveira R., Roca L.F., Moral J., Trapero A.	Detection of latent infections caused by <i>Colletotrichum</i> sp. in olive fruit	10.1111/jam.13610	Journal of Applied Microbiology
Magaña P., Bergillos R.J., Del-Rosal-Salido J., Reyes-Merlo M.A., Díaz-Carrasco P., Ortega-Sánchez M.	Integrating complex numerical approaches into a user-friendly application for the management of coastal environments	10.1016/j.scitotenv.2017.12.154	Science of the Total Environment
Mérida García A., Fernández García I., Camacho Poyato E., Montesinos Barrios P., Rodríguez Díaz J.A.	Coupling irrigation scheduling with solar energy production in a smart irrigation management system	10.1016/j.jclepro.2017.12.093	Journal of Cleaner Production
Cantero-Chinchilla F.N., Castro-Orgaz O., Khan A.A.	Depth-integrated nonhydrostatic free-surface flow modeling using weighted-averaged equations	10.1002/fld.4481	International Journal for Numerical Methods in Fluids
Reboredo-Rodríguez P., González-Barreiro C., Cancho-Grande B., Simal-Gándara J., Trujillo I.	Genotypic and phenotypic identification of olive cultivars from north-western Spain and characterization of their extra virgin olive oils in terms of fatty acid composition and minor compounds	10.1016/j.scienta.2018.01.015	Scientia Horticulturae
Ramos A., Rapoport H.F., Cabello D., Rallo L.	Chilling accumulation, dormancy release temperature, and the role of leaves in olive reproductive budburst: Evaluation using shoot explants	10.1016/j.scienta.2017.11.003	Scientia Horticulturae
Romero J., Raya M.C., Roca L.F., Agustí-Brisach C., Moral J., Trapero A.	Phenotypic, molecular and pathogenic characterization of <i>Phlyctema vagabunda</i> , causal agent of olive leprosy	10.1111/ppa.12748	Plant Pathology
Rallo L., Díez C.M., Morales-Sillero A., Miho H., Priego-Capote F., Rallo P.	Quality of olives: A focus on agricultural preharvest factors	10.1016/j.scienta.2017.12.034	Scientia Horticulturae
Gómez-Gálvez F.-J., Vargas-Osuna E., Rodríguez-Jurado D.	Suppressive and preventive activity of chemical disinfectants against sclerotia of <i>Verticillium dahliae</i> in water	10.1016/j.cropro.2018.02.011	Crop Protection

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Espadafor M., Orgaz F., Testi L., Lorite I.J., García-Tejera O., Villalobos F.J., Fereres E.	Almond tree response to a change in wetted soil volume under drip irrigation	10.1016/j.agwat.2018.01.026	Agricultural Water Management
Sánchez-Rodríguez A.R., Chadwick D.R., Tatton G.S., Hill P.W., Jones D.L.	Comparative effects of prolonged freshwater and saline flooding on nitrogen cycling in an agricultural soil	10.1016/j.apsoil.2017.11.022	Applied Soil Ecology
Playán E., Salvador R., Bonet L., Camacho E., Intrigliolo D.S., Moreno M.A., Rodríguez-Díaz J.A., Tarjuelo J.M., Madurga C., Zazo T., Sánchez-de-Ribera A., Cervantes A., Zapata N.	Assessing telemetry and remote control systems for water users associations in Spain	10.1016/j.agwat.2018.02.015	Agricultural Water Management
Cantero-Chinchilla F.N., Castro-Orgaz O., Schmocker L., Hager W.H., Dey S.	Depth-averaged modelling of granular dike overtopping	10.1080/00221686.2017.1399933	Journal of Hydraulic Research
Trapero C., Alcántara E., Jiménez J., Amaro-Ventura M.C., Romero J., Koopmann B., Karlovsky P., Tiedemann A.V., Pérez-Rodríguez M., López-Escudero F.J.	Starch hydrolysis and vessel occlusion related to wilt symptoms in olive stems of susceptible cultivars infected by <i>Verticillium dahliae</i>	10.3389/fpls.2018.00072	Frontiers in Plant Science
Yousef M., Alba-Ramírez C., Jurado I.G., Mateu J., Díaz S.R., Valverde-García P., Quesada-Moraga E.	<i>Metarhizium brunneum</i> (Ascomycota; Hypocreales) treatments targeting olive fly in the soil for sustainable crop production	10.3389/fpls.2018.00001	Frontiers in Plant Science
Camargo L.A., Marques J., Jr., Barrón V., Alleoni L.R.F., Pereira G.T., Teixeira D.D.B., Bahia A.S.R.D.S.	Predicting potentially toxic elements in tropical soils from iron oxides, magnetic susceptibility and diffuse reflectance spectra	10.1016/j.catena.2018.02.030	Catena
Roca L.F., Romero J., Bohórquez J.M., Alcántara E., Fernández-Escobar R., Trapero A.	Nitrogen status affects growth, chlorophyll content and infection by <i>Fusicladium oleagineum</i> in olive	10.1016/j.cropro.2017.08.016	Crop Protection

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López-Uceda A., Galvín A.P., Ayuso J., Jiménez J.R., Vanwalleggem T., Peña A.	Risk assessment by percolation leaching tests of extensive green roofs with fine fraction of mixed recycled aggregates from construction and demolition waste	10.1007/s11356-018-1703-1	Environmental Science and Pollution Research
Dembilio Ó., Moya P., Vacas S., Ortega-García L., Quesada-Moraga E., Jaques J.A., Navarro-Llopis V.	Development of an attract-and-infect system to control <i>Rhynchophorus ferrugineus</i> with the entomopathogenic fungus <i>Beauveria bassiana</i>	10.1002/ps.4888	Pest Management Science
Jiménez-Moreno M.J., Moreno-Márquez M.D.C., Moreno-Alías I., Rapoport H., Fernández-Escobar R.	Interaction between mycorrhization with <i>Glomus intraradices</i> and phosphorus in nursery olive plants	10.1016/j.scienta.2018.01.057	Scientia Horticulturae
García Morillo J., McNabola A., Camacho E., Montesinos P., Rodríguez Díaz J.A.	Hydro-power energy recovery in pressurized irrigation networks: A case study of an Irrigation District in the South of Spain	10.1016/j.agwat.2018.03.035	Agricultural Water Management
Bonal R., Vargas-Osuna E., Mena J.D., Aparicio J.M., Santoro M., Martín A.	Looking for variable molecular markers in the chestnut gall wasp <i>Dryocosmus kuriphilus</i> : First comparison across genes	10.1038/s41598-018-23754-z	Scientific Reports
Varo-Suárez A., Raya-Ortega M.C., Agustí-Brisach C., García-Ortiz-Civantos C., Fernández-Hernández A., Mulero-Aparicio A., Trapero A.	Evaluation of organic amendments from agro-industry waste for the control of verticillium wilt of olive	10.1111/ppa.12798	Plant Pathology
Dey S., Kishore G.R., Castro-Orgaz O., Ali S.Z.	Reynolds stress in submerged turbulent plane offset jets: Mathematical model	10.1061/(ASCE)EM.1943-7889.0001456	Journal of Engineering Mechanics
López-Ruiz A., Bergillos R.J., Lira-Loarca A., Ortega-Sánchez M.	A methodology for the long-term simulation and uncertainty analysis of the operational lifetime performance of wave energy converter arrays	10.1016/j.energy.2018.04.018	Energy
Andreu A., Kustas W.P., Polo M.J., Carrara A., González-Dugo M.P.	Modeling surface energy fluxes over a dehesa (oak savanna) ecosystem using a thermal based two-source energy balance model (TSEB) I	10.3390/rs10040567	Remote Sensing

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Andreu A., Kustas W.P., Polo M.J., Carrara A., González-Dugo M.P.	Modeling surface energy fluxes over a dehesa (oak savanna) ecosystem using a thermal based two source energy balance model (TSEB) II-Integration of remote sensing medium and low spatial resolution satellite images	10.3390/rs10040558	Remote Sensing
Rodríguez-Delgado C., Bergillos R.J., Ortega-Sánchez M., Iglesias G.	Protection of gravel-dominated coasts through wave farms: Layout and shoreline evolution	10.1016/j.scitotenv.2018.04.333	Science of the Total Environment
Serrano-Coronel G., Chipana-Rivera R., Moreno-Pérez M.F., Roldán-Cañas J.	Study of vertical water flows contribution to the crop water consumption in suka kollus using a mixed drainage system	10.1016/j.agwat.2018.05.003	Agricultural Water Management
Gallardo M., Gimenez C., Fernández M.D., Padilla F.M., Thompson R.B.	Use of the VegSyst model to calculate crop N uptake and ETC of different vegetable species grown in Mediterranean greenhouses	10.17660/ActaHortic.2018.1192.12	Acta Horticulturae
López-Bernal Á., Morales A., García-Tejera O., Testi L., Orgaz F., De Melo-Abreu J.P., Villalobos F.J.	OliveCan: A process-based model of development, growth and yield of olive orchards	10.3389/fpls.2018.00632	Frontiers in Plant Science
Poggere G.C., Inda A.V., Barrón V., Kämpf N., de Brito A.D.B., Barbosa J.Z., Curi N.	Maghemite quantification and magnetic signature of Brazilian soils with contrasting parent materials	10.1016/j.clay.2018.05.014	Applied Clay Science
Narvaez I., Khayreddine T., Pliego C., Cerezo S., Jiménez-Díaz R.M., Trapero-Casas J.L., López-Herrera C., Arjona-Girona I., Martín C., Mercado J.A., Pliego-Alfaro F.	Usage of the heterologous expression of the antimicrobial gene <i>afp</i> from <i>Aspergillus giganteus</i> for increasing fungal resistance in olive	10.3389/fpls.2018.00680	Frontiers in Plant Science
González Perea R., Camacho Poyato E., Montesinos P., Rodríguez Díaz J.A.	Prediction of applied irrigation depths at farm level using artificial intelligence techniques	10.1016/j.agwat.2018.05.019	Agricultural Water Management
Pérez-Palazón M.J., Pimentel R., Polo M.J.	Climate trends impact on the snowfall regime in mediterranean mountain areas: Future Scenario Assessment in Sierra Nevada (Spain)	10.3390/w10060720	Water (Switzerland)

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Miho H., Díez C.M., Mena-Bravo A., Sánchez de Medina V., Moral J., Melliou E., Magiatis P., Rallo L., Barranco D., Priego-Capote F.	Cultivar influence on variability in olive oil phenolic profiles determined through an extensive germplasm survey	10.1016/j.foodchem.2018.06.002	Food Chemistry
Rodríguez-Delgado C., Bergillos R.J., Ortega-Sánchez M., Iglesias G.	Wave farm effects on the coast: The alongshore position	10.1016/j.scitotenv.2018.05.281	Science of the Total Environment
Benlloch-González M., Sánchez-Lucas R., Benlloch M., Ricardo F.-E.	An approach to global warming effects on flowering and fruit set of olive trees growing under field conditions	10.1016/j.scienta.2018.06.054	Scientia Horticulturae
García-Tejera O., López-Bernal Á., Orgaz F., Testi L., Villalobos F.J.	Are olive root systems optimal for deficit irrigation?	10.1016/j.eja.2018.06.012	European Journal of Agronomy
Tahmasebi B.K., Alcántara-de la Cruz R., Alcántara E., Torra J., Domínguez-Valenzuela J.A., Cruz-Hipólito H.E., Rojano-Delgado A.M., De Prado R.	Multiple resistance evolution in bipyridylum-resistant epilobium ciliatum after recurrent selection	10.3389/fpls.2018.00695	Frontiers in Plant Science
Jordanova D., Jordanova N., Barrón V., Petrov P.	The signs of past wildfires encoded in the magnetic properties of forest soils	10.1016/j.catena.2018.07.030	Catena
López-Bernal A., García-Tejera O., Testi L., Orgaz F., Villalobos F.J.	Stomatal oscillations in olive trees: Analysis and methodological implications	10.1093/treephys/tpx127	Tree Physiology
Quesada-Moraga E., Santiago-Álvarez C., Cubero-González S., Casado-Mármol G., Ariza-Fernández A., Yousef M.	Field evaluation of the susceptibility of mill and table olive varieties to egg-laying of olive fly	10.1111/jen.12524	Journal of Applied Entomology
Repullo-Ruibérriz de Torres M.A., Ordóñez-Fernández R., Giráldez J.V., Márquez-García J., Laguna A., Carbonell-Bojollo R.	Efficiency of four different seeded plants and native vegetation as cover crops in the control of soil and carbon losses by water erosion in olive orchards	10.1002/ldr.3023	Land Degradation and Development
Romero J., Agustí-Brisach C., Roca L.F., Moral J., Gonzalez-Dominguez E., Rossi V., Trapero A.	A long-term study on the effect of agroclimatic variables on olive scab in Spain	10.1016/j.cropro.2018.08.006	Crop Protection

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Wallach D., Martre P., Liu B., Asseng S., Ewert F., Thorburn P.J., van Ittersum M., Aggarwal P.K., Ahmed M., Basso B., Biernath C., Cammarano D., Challinor A.J., De Sanctis G., Dumont B., Eyshi Rezaei E., Fereres E., Fitzgerald G.J., Gao Y., Garcia-Vila M	Multimodel ensembles improve predictions of crop–environment–management interactions	10.1111/gcb.14411	Global Change Biology
Moral J., Agustí-Brisach C., Agalliu G., de Oliveira R., Pérez-Rodríguez M., Roca L.F., Romero J., Trapero A.	Preliminary selection and evaluation of fungicides and natural compounds to control olive anthracnose caused by <i>Colletotrichum</i> species	10.1016/j.cropro.2018.08.033	Crop Protection
Carrero-Carrón I., Rubio M.B., Niño-Sánchez J., Navas-Cortés J.A., Jiménez-Díaz R.M., Monte E., Hermosa R.	Interactions between <i>Trichoderma harzianum</i> and defoliating <i>Verticillium dahliae</i> in resistant and susceptible wild olive clones	10.1111/ppa.12879	Plant Pathology
Lucena C., Porras R., Romera F.J., Alcántara E., García M.J., Pérez-Vicente R.	Similarities and differences in the acquisition of FE and P by Dicot Plants	10.3390/agronomy8080148	Agronomy
Valverde-García P., Santiago-Alvarez C., Thomas M.B., Garrido-Jurado I., Quesada-Moraga E.	Comparative effects of temperature and thermoregulation on candidate strains of entomopathogenic fungi for Moroccan locust <i>Dociostaurus maroccanus</i> control	10.1007/s10526-018-9904-6	BioControl
Martinez G., Huang J., Vanderlinden K., Giráldez J.V., Triantafilis J.	Potential to predict depth-specific soil–water content beneath an olive tree using electromagnetic conductivity imaging	10.1111/sum.12411	Soil Use and Management
Sandén T., Spiegel H., Stüger H.-P., Schlatter N., Haslmayr H.-P., Zavattaro L., Grignani C., Bechini L., D’Hose T., Molendijk L., Pecio A., Jarosz Z., Guzmán G., Vanderlinden K., Giráldez J.V., Mallast J., ten Berge H.	European long-term field experiments: knowledge gained about alternative management practices	10.1111/sum.12421	Soil Use and Management

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García M.J., Corpas F.J., Lucena C., Alcántara E., Pérez-Vicente R., Zamarreño Á.M., Bacaicoa E., García-Mina J.M., Bauer P., Romera F.J.	A shoot fe signaling pathway requiring the opt3 transporter controls gsno reductase and ethylene in arabidopsis thaliana roots	10.3389/fpls.2018.01325	Frontiers in Plant Science
Emmanouilidou M.G., Kyriacou M.C., Trujillo I.	Characterization and identification of indigenous olive germplasm from Cyprus using morphological and simple sequence repeat markers	10.21273/HORTSCI13192-18	HortScience
González-Hernández A.I., Llorens E., Agustí-Brisach C., Vicedo B., Yuste T., Cerveró A., Ledó C., García-Agustín P., Lapeña L.	Elucidating the mechanism of action of copper heptagluconate on the plant immune system against Pseudomonas syringae in tomato (Solanum lycopersicum L)	10.1002/ps.5050	Pest Management Science
Castro-Orgaz O., Sturm T.W.	Boris A. Bakhmeteff and the development of specific energy and momentum concepts	10.1061/(ASCE)HY.1943-7900.0001541	Journal of Hydraulic Engineering
Mora-Sala B., Cabral A., León M., Agustí-Brisach C., Armengol J., Abad-Campos P.	Survey, Identification, and Characterization of Cylindrocarpon-Like Asexual Morphs in Spanish Forest Nurseries	10.1094/PDIS-01-18-0171-RE	Plant disease
Jiang Z., Liu Q., Roberts A.P., Barrón V., Torrent J., Zhang Q.	A new model for transformation of ferrihydrite to hematite in soils and sediments	10.1130/G45386.1	Geology
López-Villamor A., Fernández-López J., Míguez-Soto B., Sánchez M.E.	Resistance to Phytophthora cinnamomi in Castanea spp. is under moderately high genetic control mainly because of additive genetic variance	10.1007/s10681-018-2309-x	Euphytica
Moreno-Pérez M.F., Pérez-Arellano R., Roldán-Cañas J.	Influence of interannual rainfall variability on the interception process in a continental mediterranean climate [Influencia de la variabilidad interanual de la lluvia sobre el proceso de interceptación en un clima mediterráneo continental]		Revista de la Facultad de Ciencias Agrarias
Filippou C., Garrido-Jurado I., Meyling N.V., Quesada-Moraga E., Coutts R.H.A., Kotta-Loizou I.	Mycoviral population dynamics in Spanish isolates of the entomopathogenic fungus beauveria bassiana	10.3390/v10120665	Viruses

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Padilla F.M., de Souza R., Peña-Fleitas M.T., Gallardo M., Giménez C., Thompson R.B.	Different responses of various chlorophyll meters to increasing nitrogen supply in sweet pepper	10.3389/fpls.2018.01752	Frontiers in Plant Science