



Ecología

Áreas de conocimiento: Ecología

Director: José María Conde Porcuna

Secretario: Inmaculada de Vicente Álvarez-Manzaneda

Página web: <http://ecologia.ugr.es/>

Profesorado: CU: 5, PTU: 8, PDI Contratado: 4 y Otros: 42

Tesis leídas

- Doctorando: Ana Inmaculada Funes Cabrerizo

Título: On the use of iron oxide colloidal suspensions for improving water quality

Directores: Inmaculada de Vicente y Juan de Vicente

Fecha de lectura: 24 de junio de 2016.

Calificación: Sobresaliente Cum Laude por unanimidad. Mención de Doctorado Internacional.

- Doctorando: Marco Jabalera

Título: Non-additive effects of multiple global-change drivers on aquatic ecosystems of both Hemispheres

Directores: Presentación Carrillo y Walter Helbling

Fecha: 24 de Marzo de 2017

Calificación: Sobresaliente cum laude por unanimidad. Mención de Doctorado Internacional.

- Doctorando: Javier Valverde

Título: Generalización estructurada: dinámica evolutiva de un sistema generalista a escala espacial fina

Directores: Francisco Perfectti (Dpto Genética, UGR) y José M. Gómez

Fecha: 9 de junio de 2017

Calificación: Pendiente de defensa

Grupos de Investigación.

RNM918 Conservación y Restauración de Ecosistemas y Agroecosistemas

- Responsable: JORGE CASTRO GUTIERREZ

RNM220 ECOLOGIA TERRESTRE

- Responsable: JOSE ANTONIO HODAR CORREA

RNM367 ECOLOGÍAFUNCIONAL

- Responsable: PRESENTACION CARRILLO LECHUGA

RNM125 REDES TROFICAS PELAGICAS CONTINENTALES

- Responsable: LUIS JOSE CRUZ PIZARRO

Dirección y participación en Proyectos I+D

- 2016 COOP+ Cooperation of Research infrastructures to address Global Challenges in the environmental field, , 01/01/2016-30/06/2018

Participante RAFAEL MORALES BAQUERO

Participante ISABEL RECHE CAÑABATE

Coordinador FRANCISCO JAVIER BONET GARCIA

- 2016 Open researchers., , 14/05/2016-15/10/2016

Participante FRANCISCO JAVIER BONET GARCIA

- 2016 Metabolismo de los ecosistemas acuáticos del Sur de la Península Ibérica: Nuevos equilibrios frente al cambio global, , 01/01/2016-31/12/2018

Investigador/a MARCO JABALERA CABRERIZO

Responsable PRESENTACION CARRILLO LECHUGA

Investigador/a MANUEL VILLAR ARGAIZ

Investigador/a ISMAEL LÓPEZ LOZANO

Investigador/a JUAN MANUEL GONZÁLEZ OLALLA

- 2016 INTERACCIONES TRI-TROFICAS EN AMBIENTES ARIDOS: COMO LO QUE QUIERO O LO QUE PUEDO?, Competitivo, 01/01/2016-31/12/2018

Investigador/a JOSE ANTONIO HODAR CORREA

- 2016 'METABOLISMO DE LOS ECOSISTEMAS ACUATICOS DEL SUR DE LA PENINSULA IBERICA: NUEVOS EQUILIBRIOS FRENTE AL CAMBIO GLOBAL', Competitivo, 01/01/2016-31/12/2018

Responsable JUAN MANUEL MEDINA SANCHEZ

- 2016 COOP_PLUS - COOPERATION OF RESEARCH INFRASTRUCTURES TO ADDRESS GLOBAL CHALLENGES IN THE ENVIRONMENT FIELD, Competitivo, 01/03/2016-31/08/2018

Participante RAFAEL MORALES BAQUERO

Participante ISABEL RECHE CAÑABATE

- 2016 L ASILVESTRAMIENTO DE ESPECIES CULTIVADAS COMO PROCESO EVOLUTIVO, Competitivo, 30/12/2016-29/12/2019

Responsable RAFAEL RUBIO DE CASAS



Participante DIEGO SALAZAR TORTOSA

- 2016 Evaluación de Nuevas Técnicas de Regeneración Asistida del Arbolado en Dehesas, , 24/06/2016-31/12/2018
- Investigador/a JORGE CASTRO GUTIERREZ

Contratos de investigación

- 2016 Uso y desarrollo de la tecnología descrita en la patente P201331441, en la solicitud PCT/ES2014/070757 y en la solicitud P201690010., , 02/03/2016-02/03/2036
- Responsable JORGE CASTRO GUTIERREZ

Publicaciones en revistas

- 2017 Artículo: Acute and chronic effects of magnetic microparticles potentially used in lake restoration on Daphnia magna and Chironomus sp, Journal of Hazardous Materials, 322, , 437-444
ANA INMACULADA FUNES CABRERIZO
ELOÍSA ANA RAMOS RODRÍGUEZ
INMACULADA DE VICENTE ALVAREZ MANZANEDA
MANUEL JESÚS LÓPEZ RODRÍGUEZ
MARÍA INMACULADA ÁLVAREZ-MANZANEDA
- 2017 Artículo: Photosynthesis and growth of temperate and sub-tropical estuarine phytoplankton in a scenario of nutrient enrichment under solar ultraviolet radiation exposure, Estuaries And Coasts, 40, , 842-855
MARCO JABALERA CABRERIZO
- 2017 Artículo: Synthesis and characterization of magnetic chitosan microspheres as low-density and low-biototoxicity adsorbents for lake restoration, Chemosphere, 571, , 571-579
ANA INMACULADA FUNES CABRERIZO
INMACULADA DE VICENTE ALVAREZ MANZANEDA
- 2017 Artículo: Effect of habitat type and soil moisture on pupal stage of a Mediterranean forest pest (*Thaumetopoea pityocampa*). Agricultural and Forest Entomology., Agricultural and forest entomology (Print), , -
JOSE ANTONIO HODAR CORREA
LUCIA TORRES MUROS
- 2017 Artículo: A review of the combination among global change factors in forests, shrublands and pastures of the Mediterranean Region: beyond drought effects., Global And Planetary Change (Print), 148, , 42-54
JOSE ANTONIO HODAR CORREA
- 2017 Artículo: Water management reduces greenhouse gas emissions in a Mediterranean rice paddy field, Agriculture, Ecosystems and Environment, 238, , 168-178
ANA MEIJIDE ORIVE
- 2017 Artículo: Strategies for greenhouse gas emissions mitigation in Mediterranean agriculture: A review, Agriculture, Ecosystems and Environment, 238, , 5-24
ANA MEIJIDE ORIVE
- 2017 Artículo: Net ecosystem CO₂ exchange in an irrigated olive orchard of SE Spain: influence of weed cover, Agriculture, Ecosystems & Environment, 239, , 51-64
PENÉLOPE SERRANO SERRANO ORTIZ
- 2017 Artículo: Strict stoichiometric homeostasis of *Cryptomonas pyrenoidifera* (Cryptophyceae) in relation to N:P supply ratios, Journal of Limnology, 76, 1, 182-189
ELOÍSA ANA RAMOS RODRÍGUEZ
JOSE MARIA CONDE PORCUNA
MARIA CARMEN PEREZ MARTINEZ
- 2017 Artículo: Optode use to evaluate microbial planktonic respiration in oligotrophic ecosystems as an indicator of environmental stress, Aquatic sciences (Printed ed.), , -
GUILLERMO HERRERA GIMÉNEZ
JUAN MANUEL MEDINA SANCHEZ
MANUEL VILLAR ARGAIZ
PRESENTACION CARRILLO LECHUGA
- 2017 Artículo: Ecoenzyme activity ratios reveal interactive effects of nutrient inputs and UVR in a Mediterranean high-mountain lake, Biogeochemistry (Dordrecht), 132, , 71-85
JUAN MANUEL MEDINA SANCHEZ
PRESENTACION CARRILLO LECHUGA
- 2017 Artículo: Differential impacts of global change variables on coastal South Atlantic phytoplankton: Role of seasonal variations, Marine Environmental Research, 125, , 63-72
MARCO JABALERA CABRERIZO
PRESENTACION CARRILLO LECHUGA
- 2017 Artículo: Differential impact of hotter drought on seedling performance of five ecologically distinct pine species., Plant Ecology, 218, 2, 201-212
JORGE CASTRO GUTIERREZ



- 2017 Artículo: Subterranean ventilation of allochthonous CO₂ governs net CO₂ exchange in a semiarid Mediterranean grassland, Agricultural and Forest Meteorology, 234, 235, 115-116
PENÉLOPE SERRANO SERRANO ORTIZ
- 2017 Artículo: Are antioxidant capacity and oxidative damage related to biological and autecological characteristics in aquatic insects?, Journal of Limnology, 76, 1, 170-181
MANUEL JESÚS LÓPEZ RODRÍGUEZ
- 2017 Artículo: Dynamics of the macroinvertebrate community and food web of a Mediterranean stream, Journal of Freshwater Ecology, 32, 1, 223-239
MANUEL JESÚS LÓPEZ RODRÍGUEZ
- 2017 Artículo: Rising nutrient-pulse frequency and high UVR strengthen microbial interactions, Scientific Reports, 7, , 43615-
JUAN MANUEL MEDINA SANCHEZ
- MANUEL VILLAR ARGAIZ
- MARCO JABALERA CABRERIZO
- PRESENTACION CARRILLO LECHUGA
- 2017 Artículo: Structure, dynamics and stability of a Mediterranean river food web, Marine and Freshwater Research, 68, , 484-495
MANUEL JESÚS LÓPEZ RODRÍGUEZ
- 2017 Artículo: A comparison between the antennal sensilla of the cavernicolous stonefly *Protonemura gevi* and other epigean *Protonemura* species (Plecoptera: Nemouridae) in a biological context, Annales de la Société entomologique de France, 53, 1, 47-54
MANUEL JESÚS LÓPEZ RODRÍGUEZ
- 2017 Artículo: Do the arthropod communities on a parasitic plant and its hosts differ?, European Journal Of Entomology (české Budějovice, Print), , 114, 215-221
JOSE ANTONIO HODAR CORREA
- 2017 Artículo: Controls of water and energy fluxes in oil palm plantations: Environmental variables and oil palm age, Agricultural and forest meteorology (Print), 239, , 71-85
ANA MEIJIDE ORIVE
- 2017 Artículo: Oil Palm and Rubber Tree Water Use Patterns: Effects of Topography and Flooding, Frontiers in Plant Science, 8, , 452-
ANA MEIJIDE ORIVE
- 2017 Artículo: Effective nut dispersal by magpies (*Pica pica* L.) in a Mediterranean agroecosystem, Oecologia, 184, , 183-192
JORGE CASTRO GUTIERREZ
- 2017 Artículo: Fall rate of burnt pines across an elevational gradient in a Mediterranean mountain, European Journal Of Forest Research (Internet), , , -
CARLOS RUBEN MOLINAS GONZALEZ
- JORGE CASTRO GUTIERREZ
- 2017 Artículo: An ecosystem services approach to the ecological effects of salvage logging: Valuation of seed dispersal, Ecological Applications, , , -
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- 2017 Artículo: Impacts of salvage logging on biodiversity & a meta-analysis, Journal of Applied Ecology, , , -
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- 2017 Artículo: Deadwood decay in a burnt Mediterranean pine reforestation, Forests, 8, 158, 1-10
CARLOS RUBEN MOLINAS GONZALEZ
- JORGE CASTRO GUTIERREZ
- 2017 Artículo: Prochlorococcus as a possible source for Transparent Exopolymer Particles (TEP), Frontiers in Microbiology, 8, , 709-
ISABEL RECHE CAÑABATE
- 2017 Artículo: Barcoding rotifer biodiversity in Mediterranean ponds using diapausing egg banks, Ecology and evolution, 0, , 1-13
EMILIO JOSÉ MORENO LINARES
- JOSE MARIA CONDE PORCUNA
- 2017 Artículo en prensa: Linking watershed land uses and crustacean assemblages in Mediterranean wetlands, Hydrobiologia: The International Journal of Aquatic Sciences, , , -
INMACULADA DE VICENTE ALVAREZ MANZANEDA
- 2017 Artículo: Nymphal biology of *Capniioneura gelesae* Berthélémy & Baena, 1984 (Plecoptera, Capniidae) in temporary streams of the Sierra Morena (southern Spain), Limnetica, 36, 1, 45-53
MANUEL JESÚS LÓPEZ RODRÍGUEZ
- 2017 Artículo: Global biogeography of seed dormancy is determined by seasonality and seed size: a case study in the legumes, The New Phytologist, 214, 4, 1527-1536
RAFAEL RUBIO DE CASAS
- 2017 Artículo: Strict stoichiometric homeostasis of *Cryptomonas pyrenoidifera* (Cryptophyceae) in relation to



- N:P supply ratios, *Journal of Limnology*, 76, 1, 182-189
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- 2017 Artículo: Strict stoichiometric homeostasis of *Cryptomonas pyrenoidifera* (Cryptophyceae) in relation to N:P supply ratios, *Journal of Limnology*, 76, 1, 182-189
ELOÍSA ANA RAMOS RODRÍGUEZ
- JOSE MARIA CONDE PORCUNA
MARIA CARMEN PEREZ MARTINEZ
- 2017 Artículo: Expansion of oil palm and other cash crops causes an increase of land surface temperature in Indonesia, *Biogeosciences Discussions*, , , -
ANA MEIJIDE ORIVE
- 2017 Artículo: Network theory may explain the vulnerability of medieval human settlements to the Black Death pandemic, *Scientific Reports*, 7, , -
JOSE MARIA GOMEZ REYES
- 2017 Artículo en prensa: Drivers of genetic differentiation in a generalist insect-pollinated herb across spatial scales, *Molecular Ecology*, , , -
JOSE MARIA GOMEZ REYES
- 2017 Artículo: A general framework for effectiveness concepts in mutualisms, *Ecology Letters*, 20, 5, 577-590
JOSE MARIA GOMEZ REYES
- 2017 Artículo: Global Change Impact in the Sierra Nevada Long-Term Ecological Research Site (Southern Spain), *Bulletin of the Ecological Society of America*, 98, 2, 157-164
FRANCISCO JAVIER BONET GARCIA
- 2017 Artículo: Resilience to drought in a dry forest: Insights from demographic rates., *Forest Ecology And Management*, , 389, 167-175
ASIER HERRERO MÉNDEZ
- 2016 Artículo: Changes in the phytoplankton-bacteria coupling triggered by joint action of UVR, nutrients, and warming in Mediterranean high-mountain lakes, *Limnology and Oceanography*, 61, 2, 413-429
GUILLERMO HERRERA GIMÉNEZ
- JUAN MANUEL MEDINA SANCHEZ
PRESENTACION CARRILLO LECHUGA
- 2016 Artículo: Dataset of Passerine bird communities in a Mediterranean high mountain (Sierra Nevada, Spain), *ZooKeys*, 552, , 137-154
FRANCISCO JAVIER BONET GARCIA
- 2016 Artículo: From the individual to the landscape and back: time- varying effects of climate and herbivory on tree sapling growth at distribution limits, *Journal Of Ecology (Print)*, 104, , 430-442
ASIER HERRERO MÉNDEZ
- JORGE CASTRO GUTIERREZ
JOSE ANTONIO HODAR CORREA
- 2016 Artículo: Nymphal feeding habits of *Perla pallida* Guérin-Méneville, 1838 (Plecoptera, Perlidae) from Armenia, *Biología*, 71, 3, 328-333
MANUEL JESÚS LÓPEZ RODRÍGUEZ
- 2016 Artículo: Señales del cambio global en el sitio LTER-Sierra Nevada, *Ecosistemas*, 25, 1, 65-71
FRANCISCO JAVIER BONET GARCIA
- 2016 Artículo: Surface-Parallel Sensor Orientation for Assessing Energy Balance Components on Mountain Slopes, *Boundary-Layer Meteorology*, 158, , 486-499
PENÉLOPE SERRANO SERRANO ORTIZ
- 2016 Artículo: Correct your own exam. Exercises for university students to develop writing skills in biology, *SHS Web of Conferences*, 26, 01079, 1-5
JOSE ANTONIO HODAR CORREA
- MARIA CARMEN PEREZ MARTINEZ
- 2016 Artículo: Similar local but different systemic metabolomic responses of close related pine subspecies to folivory by caterpillars of the processionary moth, *Plant Biology*, 18, , 484-494
JOSE ANTONIO HODAR CORREA
- 2016 Artículo: Magnetic microparticles as a new tool for lake restoration: a microcosm experiment for evaluating the impact on Phosphorus fluxes and sedimentary Phosphorus pools, *Water Research*, 89, , 366-374
ANA INMACULADA FUNES CABRERIZO
- INMACULADA DE VICENTE ALVAREZ MANZANEDA
LUIS JOSE CRUZ PIZARRO
MARÍA INMACULADA ÁLVAREZ-MANZANEDA
- 2016 Artículo: Life cycle and nymphal feeding of three high mountain Alpine macroinvertebrate species (Plecoptera and Ephemeroptera), *Biology of Inland Waters*, , , 51-60
MANUEL JESÚS LÓPEZ RODRÍGUEZ
- 2016 Artículo: Actualización del conocimiento de los plecópteros (Plecoptera) de las Sierras de Almijara, Tejeda



- y Alhama, Boletín de la asociación española de Entomología, 40, 1-2, 19-41
MANUEL JESÚS LÓPEZ RODRÍGUEZ
- 2016 Artículo: Winds induce CO₂ exchange with the atmosphere and vadose zone transport in a karstic ecosystem, Journal of Geophysical Research: Biogeosciences, 121, 8, 2049-2063
PENÉLOPE SERRANO SERRANO ORTIZ
- 2016 Artículo: Faunística y fenología de los plecópteros (Insecta: Plecoptera) de arroyos mediterráneos de Sierra Morena Occidental, Zoológica Baetica, 27, , 25-38
MANUEL JESÚS LÓPEZ RODRÍGUEZ
- 2016 Artículo: The role of pollinators in the evolution of corolla shape variation, disparity and integration in a highly diversified plant family with a conserved floral bauplan, Annals of Botany. Oxford Academic, 117, , 889-904
JOSE MARIA GOMEZ REYES
- 2016 Artículo: The temporal dimension in individual-based plant pollination networks, Oikos (Malden), 125, , 468-479
JOSE MARIA GOMEZ REYES
- 2016 Artículo: Study of stonefly taxa (Insecta: Plecoptera) inhabiting a saline stream (Arroyo Salado) in Southern Spain, Zoosymposia, 11, , 156-163
MANUEL JESÚS LÓPEZ RODRÍGUEZ
- 2016 Artículo: Inter-annual maintenance of the fine-scale genetic structure in a biennial plant, Scientific Reports, 6, 37712, 1-11
JOSE MARIA GOMEZ REYES
- 2016 Artículo: 3rd EU BON Stakeholder Roundtable (Granada, Spain): Biodiversity data workflow from data to mobilization to practice., Research Ideas and Outcomes, , , -
FRANCISCO JAVIER BONET GARCIA
- 2016 Artículo: Saharan dust inputs and high UVR levels jointly alter the metabolic balance of marine oligotrophic ecosystems, Scientific Reports, 6, , 35892-
JUAN MANUEL GONZÁLEZ OLALLA
JUAN MANUEL MEDINA SANCHEZ
MANUEL VILLAR ARGAIZ
MARCO JABALERA CABRERIZO
PRESENTACION CARRILLO LECHUGA
- 2016 Artículo: Experimental assessment of a possible microbial priming effect in a humic boreal lake, Aquatic sciences (Printed ed.), 78, , 191-202
JUAN MANUEL MEDINA SANCHEZ
- 2016 Artículo: Microbial carbon production and transfer across trophic levels is affected by solar UVA and phosphorus, Hydrobiologia: The International Journal of Aquatic Sciences, 776, 1, 221-235
JUAN MANUEL MEDINA SANCHEZ
MANUEL VILLAR ARGAIZ
PRESENTACION CARRILLO LECHUGA
- 2016 Artículo: Ecological and socio-economic functions across tropical land use systems after rainforest conversion, Philosophical Transactions of the Royal Society B: Biological Sciences, 371, 20150275, -
ANA MEIJIDE ORIVE
- 2016 Artículo: Land-use choices follow profitability at the expense of ecological functions in Indonesian smallholder landscapes, Nature Communications, 7, 13137, -
ANA MEIJIDE ORIVE
- 2016 Artículo: A microcosm experiment to determine the consequences of magnetic microparticles application on water quality and sediment phosphorus pools, Science of the Total Environment, 579, , 245-243
ANA INMACULADA FUNES CABRERIZO
INMACULADA DE VICENTE ALVAREZ MANZANEDA
MARÍA INMACULADA ÁLVAREZ-MANZANEDA
- 2016 Artículo: Dispersal of zooplankton dormant propagules by wind and rain in two aquatic systems, Limnetica, 35, 2, 323-336
EMILIO JOSÉ MORENO LINARES
JOSE MARIA CONDE PORCUNA
MARIA CARMEN PEREZ MARTINEZ
- 2016 Artículo: Are the metabolomic responses to folivory of closely related plant species linked to macroevolutionary and plant-folivore coevolutionary processes?, Ecology and Evolution, 6, 3, 4372-4386
JOSE ANTONIO HODAR CORREA
- 2016 Letters: Single versus multiple independent olive domestications: the jury is (still) out, New Phytologist, 209, , 466-470
RAFAEL RUBIO DE CASAS
- 2016 Artículo: Water scarcity and oil palm expansion: social views and environmental processes, Ecology and Society, 21, 2, 5-



ANA MEIJIDE ORIVE

- 2016 Artículo: Saharan versus local influence on atmospheric aerosol deposition in the southern Iberian Peninsula: Significance for N and P inputs, *Global Biogeochemical Cycles*, 30, , 1-13

MARIA CARMEN PEREZ MARTINEZ

RAFAEL MORALES BAQUERO

- 2016 Artículo: Shifting demographic conflicts across recruitment cohorts in a dynamic post-disturbance landscape., *Ecology* (Brooklyn, New York, N.Y.), 97, , 2628-2639

JORGE CASTRO GUTIERREZ

- 2016 Artículo: Effects of land-use change on vascular epiphyte diversity in Sumatra (Indonesia), *Biological Conservation*, 202, , 20-29

ANA MEIJIDE ORIVE

- 2016 Artículo: A review of the ecosystem functions in oil palm plantations, using forests as a reference system, *Biological Reviews of the Cambridge Philosophical Society*, , , -

ANA MEIJIDE ORIVE

- 2016 Artículo: Drivers of genetic differentiation in a generalist insect-pollinated herb across spatial scales, *Molecular Ecology*, 26, 6, 1576-1585

JOSE MARIA GOMEZ REYES

- 2016 Artículo: Chromophoric signatures of microbial by-products in the dark ocean, *Geophysical Research Letters*, , , -

ISABEL RECHE CAÑABATE

- 2016 Artículo: Drivers of fluorescent dissolved organic matter in the global epipelagic ocean, *Limnology and Oceanography*, , , -

ISABEL RECHE CAÑABATE

- 2016 Artículo: Soil moisture determines the effectiveness of two usease inhibitors to decrease N₂O emission, *Mitigation and Adaptation Strategies for Global Change*, 21, , 1131-1144

ANA MEIJIDE ORIVE

- 2016 Artículo: Environmental unpredictability and inbreeding depression select for mixed dispersal syndromes, *BMC Evolutionary Biology*, 16, 1, 1-12

RAFAEL RUBIO DE CASAS

- 2016 Artículo: The influence of habitat on the evolution of plants: a case study across Saxifragales, *Annals of Botany*. Oxford Academic, 118, 7, 1317-1328

RAFAEL RUBIO DE CASAS

- 2016 Artículo: Eco-evolutionary Model of Rapid Phenotypic Diversification in Species-Rich Communities, *PLoS Computational Biology*, 12, 10, e1005139-

RAFAEL RUBIO DE CASAS

- 2016 Artículo: Field patterns of temporal variation in the light environment within the crowns of a Mediterranean evergreen tree (*Olea europaea*), *Trees*, 30, 3, 995-1009

RAFAEL RUBIO DE CASAS

- 2016 Artículo: The expression of light-related leaf functional traits depends on the location of individual leaves within the crown of isolated *Olea europaea* L. trees, *Annals of Botany*. Oxford Academic, 117, 4, 643-651

RAFAEL RUBIO DE CASAS

- 2016 Artículo: Variability of mineral dust deposition in the western Mediterranean basin and south-east of France, *Atmospheric chemistry and physics*, 16, 14, 8749-8766

RAFAEL MORALES BAQUERO

- 2016 Artículo: An empirical study of the wound effect on sap flux density measured with thermal dissipation probes, *Tree Physiology*, 36, 12, 1471-1484

SARA MARAÑÓN JIMÉNEZ

- 2016 Artículo: Local-scale drought adaptation of ponderosa pine seedlings at habitat ecotones, *Forest Science*, , 62, 641-651

ASIER HERRERO MÉNDEZ

- 2016 Artículo: Inter-annual maintenance of the firne-scale genetic structure in a biennial plant, *Scientific Reports*, 6, , -

JOSE MARIA GOMEZ REYES

Libros (con ISBN)

- 2016 Global Change Impacts in Sierra Nevada: Challenges for conservation: Consejería de Medio Ambiente y Ordenación del Territorio. Junta de Andalucía., , 2016, 978-84-338-5960-0

FRANCISCO JAVIER BONET GARCIA

- 2016 Estudio de la dinámica poblacional de la procesionaria del pino en el espacio natural de Sierra Nevada, dentro del marco de cambio global. Análisis aplicado para una gestión adaptativa.: Universidad de Granada, , 2016,

LUCIA TORRES MUROS



Capítulos de libros (con ISBN)

- 2017 Titulo Capítulo: Monitoring global change in high mountains, Titulo Libro: High Mountain Conservation in a Changing World. Advances in Global Change Research, 62: Springer, , 2017,
FRANCISCO JAVIER BONET GARCIA
- 2016 Titulo Capítulo: ESTRÉS OXIDATIVO EN NADADORES TRAS UN ENTRENAMIENTO DE ALTA INTENSIDAD, Titulo Libro: SWIMMING SCIENCE II: UNIVERSIDAD DE GRANADA, Facultad de Ciencias del Deporte, 2016, 978-84-338-5771-2
SILVIA ROSILLO
- 2016 Titulo Capítulo: Climate change over the last 50 years in Sierra Nevada, Titulo Libro: Global Change Impacts in Sierra Nevada: Challenges for conservation: Consejería de Medio Ambiente y Ordenación del Territorio. Junta de Andalucía., , 2016, 978-84-338-5960-0
FRANCISCO JAVIER BONET GARCIA
- 2016 Titulo Capítulo: Climate in Sierra Nevada: present and future, Titulo Libro: Global Change Impacts in Sierra Nevada: Challenges for conservation: Consejería de Medio Ambiente y Ordenación del Territorio. Junta de Andalucía., , 2016, 978-84-338-5960-0
FRANCISCO JAVIER BONET GARCIA
- 2016 Titulo Capítulo: Trend analysis (2000-2014) of the snow cover by satellite (MODIS sensor), Titulo Libro: Global Change Impacts in Sierra Nevada: Challenges for conservation: Consejería de Medio Ambiente y Ordenación del Territorio. Junta de Andalucía., , 2016, 978-84-338-5960-0
FRANCISCO JAVIER BONET GARCIA
- 2016 Titulo Capítulo: Land-use changes in Sierra Nevada over the last 50 years, Titulo Libro: Global Change Impacts in Sierra Nevada: Challenges for conservation: Consejería de Medio Ambiente y Ordenación del Territorio. Junta de Andalucía., , 2016, 978-84-338-5960-0
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FRANCISCO JAVIER BONET GARCIA
- 2016 Titulo Capítulo: Historical analysis of socio-ecological changes in the municipality of Cáñar (Alpujarra, Sierra Nevada) over the last 5 centuries, Titulo Libro: Global Change Impacts in Sierra Nevada: Challenges for conservation: Consejería de Medio Ambiente y Ordenación del Territorio. Junta de Andalucía., , 2016, 978-84-338-5960-0
FRANCISCO JAVIER BONET GARCIA
RICARDO ANTONIO MORENO LLORCA
- 2016 Titulo Capítulo: The importance of past land uses in the natural regeneration of Holm oak woodlands under pine plantations, Titulo Libro: Global Change Impacts in Sierra Nevada: Challenges for conservation: Consejería de Medio Ambiente y Ordenación del Territorio. Junta de Andalucía., , 2016, 978-84-338-5960-0
FRANCISCO JAVIER BONET GARCIA
- 2016 Titulo Capítulo: Changes in diversity, abundance and flowering phenology in plant communities: a 25-years study of high-mountain meadows (borreguiles), Titulo Libro: Global Change Impacts in Sierra Nevada: Challenges for conservation: Consejería de Medio Ambiente y Ordenación del Territorio. Junta de Andalucía., , 2016, 978-84-338-5960-0
FRANCISCO JAVIER BONET GARCIA
- 2016 Titulo Capítulo: History of Sierra Nevada forest management: implications for adaptation to global change, Titulo Libro: Global Change Impacts in Sierra Nevada: Challenges for conservation: Consejería de Medio Ambiente y Ordenación del Territorio. Junta de Andalucía., , 2016, 978-84-338-5960-0
FRANCISCO JAVIER BONET GARCIA
- 2016 Titulo Capítulo: Naturalization of pine plantations, Titulo Libro: Global Change Impacts in Sierra Nevada: Challenges for conservation: Consejería de Medio Ambiente y Ordenación del Territorio. Junta de Andalucía., , 2016, 978-84-338-5960-0
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- 2016 Titulo Capítulo: Impact of global change in the Pyrenean oak forests of Sierra Nevada: recommendations for management, Titulo Libro: Global Change Impacts in Sierra Nevada: Challenges for conservation: Consejería de Medio Ambiente y Ordenación del Territorio. Junta de Andalucía., , 2016, 978-84-338-5960-0
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JOSÉ ANTONIO DELGADO MOLINA

PRESENTACION CARRILLO LECHUGA

Contribuciones en congresos

- 2017 Poster en Congreso: Global warming evidence from a long chain diol record of an alpine lake in southern Iberia, 5th Past Global Changes meeting: PAGES Open Science Meeting (OSM)., 09/05/2017, Zaragoza (España), Congreso
MARIA CARMEN PEREZ MARTINEZ
LAURA JIMÉNEZ LIÉBANAS
- 2017 Comunicación en congreso: The evolution of seed dispersal is associated with environmental heterogeneity in Pinus, XIV MEDECOS & XIII AEET Meeting: Human driven scenarios for evolutionary and ecological changes, 31/01/2017, Sevilla, Congreso
DIEGO SALAZAR TORTOSA
JORGE CASTRO GUTIERREZ
RAFAEL RUBIO DE CASAS
- 2017 Ponencia en Congreso: Ecological mechanisms underlying hybridization and its constraints in genus Erysimum, XIV MEDECOS & XIII AEET, 31/01/2017, Sevilla, Congreso
JOSE MARIA GOMEZ REYES
- 2017 Comunicación en congreso: Incorporating ecosystem services into post-disturbance management: Economic valuation of seed dispersal, II International Conference on Forests, 26/04/2017, Neuschönau, Alemania, Congreso
JORGE CASTRO GUTIERREZ
- 2017 Comunicación en congreso: How did I arrive here? Dispersal of holm oak (*Quercus ilex*) acorns by magpie (*Pica pica*) in a forest and farmland mosaic, XIV MEDECOS & XIII AEET meeting, 31/01/2017, Sevilla, España, Congreso
JORGE CASTRO GUTIERREZ
- 2017 Comunicación en congreso: Shifting life-stage conflicts in a post-disturbance Mediterranean landscape, XIV MEDECOS & XIII AEET meeting, 31/01/2017, Sevilla, España, Congreso
JORGE CASTRO GUTIERREZ
- 2017 Comunicación en congreso: Post-fire burnt Wood decomposition in Mediterranean pine afforestation: a 10-year study, XIV MEDECOS & XIII AEET, 31/01/2017, Sevilla, Congreso
CARLOS RUBEN MOLINAS GONZALEZ
JORGE CASTRO GUTIERREZ
- 2017 Ponencia en Congreso: Using ponds to predict shifts from chlorophycean to cyanobacterial dominance in semi-arid climates, 7th European Pond Conservation Network, 01/05/2017, University of Algarve, Faro, Portugal, Congreso
MARIA CARMEN PEREZ MARTINEZ
- 2017 Conferencia en Seminario no publicada: Sahara dust footprints in remote lakes, Berkeley Atmospheric Sciences Center, 15/02/2017, BERKELEY, CA, USA, Seminario
ISABEL RECHE CAÑABATE
- 2017 Conferencia en Seminario no publicada: Carbon sequestration in the dark ocean: production of chromophoric dissolved organic carbon and accumulation of transparent exopolymer particles, Spring 2017 Ocean Sciences Seminar, 12/05/2017, University of California, Santa Cruz, Seminario
ISABEL RECHE CAÑABATE
- 2017 Conferencia en Seminario no publicada: Contribution of chromophoric dissolved organic carbon and exopolymer particles to C sequestration in the deep ocean, Earth Research Institute Series, 02/02/2017, Santa Barbara, CA, USA, Seminario
ISABEL RECHE CAÑABATE
- 2017 Conferencia en Seminario no publicada: Flamingos as Vectors of Microbial Dispersal and Nutrients in Saline Wetlands, Environmental Science, Policy, and Management 2017 Seminar Series, 23/03/2017, Berkeley, CA, USA, Seminario
ISABEL RECHE CAÑABATE
- 2017 Poster en Congreso: Post-fire burnt wood decomposition in Mediterranean pine afforestation: a 10 years stdy, XVI MEDECOS & AEET meeting, 31/01/2017, Sevilla, Congreso
JORGE CASTRO GUTIERREZ
CARLOS RUBEN MOLINAS GONZALEZ
- 2017 Poster en Congreso: Microbial biomanipulation based on labile carbon enrichment as a low-cost tool for eutrophication control in Mediterranean inland waters, International Meeting on New Strategies in Bioremediation Processes, 09/03/2017, Granada. Spain, Congreso
ISMAEL LÓPEZ LOZANO
PRESENTACION CARRILLO LECHUGA



JUAN MANUEL MEDINA SANCHEZ

- 2017 Ponencia en Congreso: Testing the viability of novel _magnetic and non magnetic phosphorus adsorbents, Bioremid 2017: International Meeting on New Strategies in Bioremediation Processes., 09/03/2017, UNIVERSIDAD DE GRANADA. GRANADA, Congreso

MARÍA INMACULADA ÁLVAREZ-MANZANEDA

ANA INMACULADA FUNES CABRERIZO

INMACULADA DE VICENTE ALVAREZ MANZANEDA

- 2017 Poster en Congreso: Quorum sensing inhibition mechanisms in sea anemones and holothurians microbiota, FEMS 2017 7TH CONGRESS OF EUROPEAN MICROBIOLOGIST, 09/07/2017, VALENCIA, ESPAÑA, Congreso

ISABEL RECHE CAÑABATE

- 2017 Poster en Congreso: Synthesis and characterization of magnetic chitosan microspheres as low-density and low-biototoxicity adsorbents for lake restoration, International Meeting on New Strategies in Bioremediation Processes BioRemid2017, 09/03/2017, Granada, España, Congreso

ANA INMACULADA FUNES CABRERIZO

INMACULADA DE VICENTE ALVAREZ MANZANEDA

- 2017 Poster en Congreso: Microbial biomanipulation based on labile carbon enrichment as a low-cost tool for eutrophication control in Mediterranean inland waters, Bioremid 2017: International Meeting on New Strategies in Bioremediation Processes., 09/03/2017, UNIVERSIDAD DE GRANADA. GRANADA, Congreso

ISMAEL LÓPEZ LOZANO

PRESENTACION CARRILLO LECHUGA

- 2017 Ponencia en Congreso: Pollinator effectiveness of a generalist plant's pollinator assembly, XIV Reunión del Grupo de Trabajo de Ecología y Evolución Floral (ECOFLO), 29/01/2017, Sevilla, Congreso

JOSE MARIA GOMEZ REYES

- 2017 Ponencia en Congreso: Using targeted NGS to detect recent hybridiza on in plants, XIV MEDECOS & XIII AEET meeting, 31/01/2017, Sevilla, España, Congreso

JOSE MARIA GOMEZ REYES

RAFAEL RUBIO DE CASAS

- 2017 Ponencia en Taller de trabajo: Remote sensing as a tool to aid environmental decision making in Sierra Nevada LTER platform (Spain), Application of Earth Observation tools in protected areas, 02/05/2017, Pisa, Taller de trabajo

FRANCISCO JAVIER BONET GARCIA

- 2016 Ponencia en Congreso: Temporal trend of the snow-related variables in Sierra Nevada in the last years: An analysis combining Earth Observation and hydrological modelling, EGU General Assembly 2016, 17/04/2016, Austria, Viena, Congreso

FRANCISCO JAVIER BONET GARCIA

- 2016 Conferencias impartidas: El cambio global a nuestro alrededor: cómo nos afecta y qué podemos hacer, Aula Emilio Herrera Linares de Ciencia y Tecnología, 10/05/2016, , Congreso

JOSE ANTONIO HODAR CORREA

- 2016 Ponencia en Congreso: Evaluating phosphorus removal efficiency by iron magnetic microparticles with special considerartion of chemical interferences in a context of lake restoration, XXXIII Congress of the International Society of Limnology, 31/07/2016, Turín, Italia, Congreso

ANA INMACULADA FUNES CABRERIZO

INMACULADA DE VICENTE ALVAREZ MANZANEDA

MARÍA INMACULADA ÁLVAREZ-MANZANEDA

- 2016 Poster en Congreso: Life strategies of stoneflies (Insecta, Plecoptera) inhabiting temporary streams of Sierra Morena (Southern Spain). Ten years of studies, 33rd SIL Congress, 31/07/2016, TORINO (ITALIA), Congreso

MANUEL JESÚS LÓPEZ RODRÍGUEZ

- 2016 Comunicación en congreso: Do benthic invertebrates eat what we think? A gut content and stoichiometric analysis, 33rd SIL Congress, 31/07/2016, TORINO (ITALIA), Congreso

MANUEL JESÚS LÓPEZ RODRÍGUEZ

MANUEL VILLAR ARGAIZ

- 2016 Comunicación en congreso: The influence of weeds on net ecosystem CO₂ assimilation and water use efficiency in an irrigated olive orchard of SE Spain, 4th Biohydrology Conference, 13/09/2016, , Congreso

PENÉLOPE SERRANO SERRANO ORTIZ

SARA MARAÑÓN JIMÉNEZ

- 2016 Comunicación en congreso: PRO-INFLAMMATORY CYTOKINES (IL-6 AND TNF-A) AND THEIR SOLUBLE RECEPTORS IN ELITE JUDO ATHLETES, XXXVIII Congress of the Spanish Society of Physiological Sciences, 13/09/2016, - Zaragoza, España, Congreso

SILVIA ROSILLO

- 2016 Comunicación en congreso: Carbon Balance in an Olive Orchard of SE Spain: Influence of Weed Cover, American Gophysical Union, 12/12/2016, CALIFORNIA, SAN FRANCISCO; ESTADOS UNIDOS DE AMERICA,



Congreso

PENÉLOPE SERRANO SERRANO ORTIZ

- 2016 Comunicación en congreso: Drought enhances net CO₂ release via vadose zone ventilation in a semiarid grassland of southern Spain, 4th Biohydrology Conference, 13/09/2016, , Congreso

PENÉLOPE SERRANO SERRANO ORTIZ

- 2016 Comunicación en congreso: The effect of rain pulses in the net CO₂ exchange of a semiarid grassland in southern Spain, 4th Biohydrology Conference, 13/09/2016, , Congreso

PENÉLOPE SERRANO SERRANO ORTIZ

- 2016 Comunicación en congreso: Subterranean ventilation: a key but poorly known process affecting the carbon balance of semiarid ecosystems, European Geoscience Union Conference, 18/04/2016, Viena, Congreso

PENÉLOPE SERRANO SERRANO ORTIZ

- 2016 Ponencia en Congreso: Biología, historia evolutiva y conservación del singular plecóptero troglobio Protonemura gevi, EspeleoMeeting Ciudad de Villacarrillo, 13/08/2016, Villacarrillo, Jaén, Congreso

MANUEL JESÚS LÓPEZ RODRÍGUEZ

- 2016 Poster en Congreso: Tras los pasos del cambio global através de un mundo invisible, Degranando Ciencia 3, 15/04/2016, , Congreso

MARCO JABALERA CABRERIZO

- 2016 Ponencia en Congreso: Atenúa el polvo del desierto el estrés de la radiación ultravioleta sobre ecosistemas marinos?, I Jornadas de Investigadores en formación: Fomentando la interdisciplinariedad, 18/05/2016, , Congreso

MARCO JABALERA CABRERIZO

PRESENTACION CARRILLO LECHUGA

JUAN MANUEL GONZÁLEZ OLALLA

- 2016 Comunicación en congreso: Temporal evolution of ecosystem services in Sierra Nevada (Spain), European Ecosystem Services Conference, 19/09/2016, ANTWERP, BELGICA, Congreso

RICARDO ANTONIO MORENO LLORCA

FRANCISCO JAVIER BONET GARCIA

- 2016 Conferencias impartidas: Un ecosistema afectado por el cambio global: ¿orugas por Navidad y almendros en flor por carnaval?, II Jornadas sobre Ciudades Saludables Villa de La Zubia, 07/04/2016, , Congreso

JOSE ANTONIO HODAR CORREA

- 2016 Conferencias impartidas: La procesionaria del pino y otros bichos, o por qué es preciso soportar las orugas si queremos conocer a las mariposas., Charla informativa, 11/02/2016, La Zubia (Granada), Congreso

Congreso

JOSE ANTONIO HODAR CORREA

- 2016 Comunicación en Jornada: Recopilación de la información para la reconstrucción histórica de la vegetación mediterránea en medios antropizados, Seminario de la Red Universitaria de Historia Ambiental, 18/02/2016, Universidad de Granada, Jornada

RICARDO ANTONIO MORENO LLORCA

- 2016 Comunicación en congreso: Sistemas de inhibición de la comunicación celular tipo quorum sensing presentes en la microbiota de animales pertenecientes a los filos Cnidaria y Echinodermata, XIII Reunión de la Red Nacional de Microorganismos Extremófilos, 20/10/2016, ALICANTE, Congreso

ISABEL RECHE CAÑABATE

- 2016 Poster en Congreso: Presentación en el congreso "4th Biohidrology conference 2016. Walking on drylands" de un póster como investigador principal, 4th Biohidrology Conference 2016. Walking on drylands, 13/09/2016, - Almería, - Almeria, España, Congreso

PENÉLOPE SERRANO SERRANO ORTIZ

- 2016 Poster en Congreso: Contribución con un póster en AGU Fall Meeting 2016. San Francisco USA, AGU Fall Meeting 2016, 12/12/2016, San Francisco, EEUU, Congreso

PENÉLOPE SERRANO SERRANO ORTIZ

- 2016 Comunicación en congreso: Nut dispersal by magpies in agroforestry systems, 10th European Conference on Ecological Restoration, 22/08/2016, Freising Germany, Congreso

JORGE CASTRO GUTIERREZ

- 2016 Comunicación en congreso: Differential ecophysiological response of European pine species under a hotter-drought scenario, AGU Fall Meeting 2016, 12/12/2016, San Francisco, EEUU, Congreso

JORGE CASTRO GUTIERREZ

- 2016 Comunicación en congreso: The evolution of seed dispersal is associated with environmental heterogeneity in Pinus, Reunión del grupo de Trabajo de Ecología y Evolución Floral (ECOFLOR) perteneciente a la Asociación Española de Ecología Terrestre (AEET),, 04/02/2016, Vigo, Congreso

RAFAEL RUBIO DE CASAS

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JORGE CASTRO GUTIERREZ

- 2016 Comunicación en congreso:). The evolution of seed dispersal is associated with environmental



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RAFAEL RUBIO DE CASAS
JORGE CASTRO GUTIERREZ
DIEGO SALAZAR TORTOSA
- 2016 Comunicación en congreso: Enhancing ecosystem services through post-disturbance management: Field results and meta-analysis, European Ecosystem Services Conference, 19/09/2016, , Congreso
JORGE CASTRO GUTIERREZ
- 2016 Poster en Congreso: Testing possible toxicological effects of iron microparticles on a natural lagoon plankton community: a microcosm experiment, 33rd SIL Congress, 31/07/2016, TORINO (ITALIA), Congreso
MARÍA INMACULADA ÁLVAREZ-MANZANEDA
INMACULADA DE VICENTE ALVAREZ MANZANEDA
LUIS JOSE CRUZ PIZARRO
ANA INMACULADA FUNES CABRERIZO
- 2016 Ponencia en Congreso: Has mixotrophic metabolism been altered by climate-driven changes after a decade?, International Society of Limnology Congress, 31/07/2016, Turin, Italy, Congreso
ISMAEL LÓPEZ LOZANO
JUAN MANUEL GONZÁLEZ OLALLA
JUAN MANUEL MEDINA SANCHEZ
MANUEL VILLAR ARGAIZ
PRESENTACION CARRILLO LECHUGA
- 2016 Poster en Congreso: Magnetic particles' effects on survival and hatching of the rotifer Brachionus calyciflorus and the growth of the Chlorella sp. algae, SETAC Europe 26th Annual Meeting, 22/05/2016, Nantes, Francia, Congreso
INMACULADA DE VICENTE ALVAREZ MANZANEDA
MARÍA INMACULADA ÁLVAREZ-MANZANEDA
- 2016 Otros posters divulgativos: Tras los pasos del cambio global a través de un mundo invisible, Desgranando Ciencia 3, 15/04/2016, Parque de las Ciencias, Granada, Otra actividad de divulgación
JUAN MANUEL GONZÁLEZ OLALLA
MARCO JABALERA CABRERIZO
ISMAEL LÓPEZ LOZANO
JUAN MANUEL MEDINA SANCHEZ
MANUEL VILLAR ARGAIZ
PRESENTACION CARRILLO LECHUGA
- 2016 Poster en Congreso: Comparative analysis of the pollination effectiveness in a diverse pollinator assemblage, Congreso Internacional de la Sociedad Española de Etología y Ecología Evolutiva, 20/09/2016, Granada, Congreso
JOSE MARIA GOMEZ REYES
- 2016 Ponencia en Congreso: The temporal dimension in individual-plant pollination networks, XIII Reunión del Grupo de Trabajo de Ecología y Evolución Floral (ECOFLOR), 04/02/2016, Vigo, Congreso
JOSE MARIA GOMEZ REYES
- 2016 Poster en Congreso: Detectando eventos de hibridación en plantas mediante técnicas genómicas, V Congreso de la Sociedad Española de Biología Evolutiva, 18/01/2016, Murcia, España, Congreso
RAFAEL RUBIO DE CASAS