

E29. Referencia completa de un total de 25 contribuciones científicas del personal investigador que participa en el programa en los últimos 5 años.

LÍNEA DE INVESTIGACIÓN: **TECNOLOGÍAS DE LA PRODUCCIÓN AGRÍCOLA. CALIDAD Y COMERCIALIZACIÓN DE PRODUCTOS.**

**Autores:** A. Rabadán, M. Álvarez-Ortí, R. Gómez, A. Alvarruiz, J.E. Pardo.

**Titulo:** Optimization of pistachio oil extraction regarding processing parameters of screw and hydraulic presses.

**Referencia de la revista:** LWT – Food Science and Technology 83: 79-85 (2017).

**Área de conocimiento de la publicación** Food Science & Technology.

**Q1 24/133**

Ballesteros R.; Ortega J.F.; Hernández D.; Moreno M.A.

TOnion biomass monitoring using UAV-based RGB imaging

Referencia de la revista: Precision Agriculture, 19:840-857, 2018

AGRICULTURE, MULTIDISCIPLINARY

**(D1) Q1 4/57**

Del Campo-Sánchez, A., Hernández-López, D., Ballesteros, R., Ortega, J.F., Moreno, M.A.

Quantifying the effect of Jacobiasca lybica pest on vineyards with UAVs by combining geometric and computer vision techniques

PLoS ONE. 14 - 4, pp. e0215521, 2019

MULTIDISCIPLINARY SCIENCES

**Q2 27/71**

Moratalla-López, Natalia; Bagur, María J.; Lorenzo, Cándida; Martínez-Navarro, M.E.; Salinas, M. R.; Alonso, Gonzalo L.

Bioactivity and Bioavailability of the Major Metabolites of Crocus sativus L. Flower

MOLECULES, 24 (15): 2827 (2019)

CHEMISTRY

**Q2 70/177**

Ballesteros R., Intrigliolo D.S., Ortega J.F., Ramirez-Cuesta J.M., Buesa I., Moreno M.A.

Vineyard yield estimation by combining remote sensing, computer vision and artificial neural network techniques

Precision Agriculture 21, 1242-1262 (2020)

Agriculture, Multidisciplinary.

**(Q1, D1) Q1 3/58**

**LÍNEA DE INVESTIGACIÓN: TECNOLOGÍAS DE LA PRODUCCIÓN FORESTAL Y DEL MEDIO AMBIENTE.**

Raquel Herranz, Miguel Angel Copete, Jose Mª Herranz, Mª Elena Copete, Pablo Ferrandis,
Optimization of plant production by seed treatment in two wild subspecies of <i>Narcissus pseudonarcissus</i> rich in alkaloids
MOLECULES, 25 (19): 4439 (2020)
CHEMISTRY
<b>Q2 63/179</b>

González-Romero, J., Lucas-Borja, M.E., Plaza-Alvarez, P.A., Sagra, J., Moya, D., de las Heras, J.
Short-term effects of postfire check-dam construction on ephemeral stream vegetation in a semiarid climate of SE Spain.
Science of the Total Environment 671: 776-785 (2019)
ENVIRONMENTAL SCIENCES
<b>(D1) Q1 22/265</b>

F. Bastida, I.F. Torres, M. Andrés-Abellán, P. Baldrian, R. López-Mondéjar, T. Větrovský, H. H. Richnow, R. Starke, S. Ondoño, C. García, F.R. López-Serrano and N. Jehmlich
Differential sensitivity of total and active soil microbial communities to drought and forest Management
Global Change Biology 23: 4185-4203 (2017)
ENVIRONMENTAL SCIENCES
<b>(D1) Q1 3/241</b>

E. Martínez-García, E. Rubio, F.A. García-Morote; M. Andrés-Abellán; H. Miettinen; F.R. López-Serrano
Net ecosystem production in a Spanish black pine forest after a low burn-severity fire: significance of modelling approaches for estimating gross primary production
Agricultural and Forest Meteorology, 246: 178-193 (2017)
FORESTRY
<b>(D1) Q1 1/66</b>

Moya, D., González-De Vega, S., Lozano, E., García-Orenes, F., Mataix-Solera, J., Lucas-Borja, M.E., Heras, J
The burn severity and plant recovery relationship affects the biological and chemical soil properties of <i>Pinus halepensis</i> Mill. stands in the short and mid-terms after wildfire
Journal Environmental Management 235: 250-256 (2019)
ENVIRONMENTAL SCIENCES
<b>Q1 39/258</b>

**LÍNEA DE INVESTIGACIÓN: PRODUCCIÓN, SANIDAD Y BIOTECNOLOGÍA ANIMAL.**

Jiménez de Oya N, Camacho MC, Blázquez AB, Lima-Barbero JF, Saiz JC, Höfle U, Escribano-Romero E
High susceptibility of magpie (Pica pica) to experimental infection with lineage 1 and 2 West Nile virus
PLoS Negl Trop Dis 10;12(4): e0006394, 2018
TROPICAL MEDICINE
<b>(D1) Q1 1/21</b>

Landete-Castillejos, T., Kierdorf, H., Gomez, S., Luna, S., Garcia, A.J., Cappelli, J., Pérez-Serrano, M., Pérez-Barbería, J., Gallego, L., Kierdorf, U.
Antlers-evolution, development, structure, composition, and biomechanics of an outstanding type of bone.
Bone 128 (115046): 1-20 (2019)
Biochemistry, Genetics and Molecular Biology
<b>Q2 36/143</b>

Barroso, Patricia, José A. Barasona, Pelayo Acevedo, Pablo Palencia, Francisco Carro, Juan J. Negro, María J. Torres, Christian Gortázar, Ramón C. Soriguer, and Joaquín Vicente
Long-Term Determinants of Tuberculosis in the Ungulate Host Community of Doñana National Park
Pathogens 9, no. 6: 445. <a href="https://doi.org/10.3390/pathogens9060445">https://doi.org/10.3390/pathogens9060445</a> 2020
Veterinary Sciences
<b>Q2 67/137</b>

Jordi Martínez-Guijosa a, *, Jose Francisco Lima-Barbero b , Pelayo Acevedo a , David Cano-Terriza c , Saúl Jiménez-Ruiz a,c , Jose Angel Barasona d , Mariana Boadella b , Ignacio García-Bocanegra c , Christian Gortazar a , Joaquín Vicent
Description and implementation of an On-farm Wildlife Risk Mitigation Protocol at the wildlife-livestock interface: Tuberculosis in Mediterranean environments
Preventive Veterinary Medicine, Volume 191, June 2021, 105346
Veterinary Sciences
<b>Q1 27/146</b>

Jobin Thomas1,2, Ana Balseiro3,4* , Christian Gortázar1 and María A. Risalde5,
Diagnosis of tuberculosis in wildlife: a systematic review
Thomas et al. Vet Res 52:31 <a href="https://doi.org/10.1186/s13567-020-00881-(2021)">https://doi.org/10.1186/s13567-020-00881-(2021)</a>
Veterinary Sciences
<b>Q1 35/146</b>

**LÍNEA DE INVESTIGACIÓN: ECOLOGÍA, BIODIVERSIDAD Y GESTIÓN DE LA FAUNA**

Margalida, A., Jiménez, J., Martínez, J.M., Sesé, J.A., García-Ferré, D., Llamas, A., Razin, M., Colomer, M.A. & Arroyo, B.

An assessment of population size and demographic drivers of the Bearded Vulture using integrated population models.

Ecol. Monographs 90(3), e01414, 2020

ECOLOGY

**D1/Q1 6/166**

Monterroso, P., F. Díaz-Ruiz, P. M. Lukacs, P. C. Alves & P. Ferreras

Ecological traits and the spatial structure of competitive coexistence among carnivores.

Ecology, 101, e03059, 2020

ECOLOGY

**Q1 22/166**

Fernández-Vizcaíno, E., Fernández de Mera, I. G., Mougeot, F., Mateo, R., Ortiz-Santaliestra, M. E.

Multi-level analysis of exposure to triazole fungicides through treated seed ingestion in the red-legged partridge

Environmental Research 189: 109928, 2020

ENVIRONMENTAL SCIENCES

**D1/Q1 13/302**

Martínez-Jauregui, M., Delibes-Mateos, M., Arroyo, B., & Soliño, M.

Addressing social attitudes toward lethal control of wildlife in national parks

Conservation Biology 34: 868-878, 2020

BIODIVERSITY CONSERVATION

**D1/Q1 3/60**

Tobajas, J., Descalzo, E., Mateo, R., & Ferreras, P

Reducing nest predation of ground-nesting birds through conditioned food aversion

Biological Conservation, 242, art. 108405, 2020.

BIODIVERSITY CONSERVATION

**D1/Q1 6/60**

**LÍNEA DE INVESTIGACIÓN: MEDIO AMBIENTE. BIOLOGÍA DE LAS PLANTAS.**

Romero-Morte J., Rojo J., Rivero R., Fernández-González F. & Pérez-Badia R.

Standardised index for measuring atmospheric grass-pollen emission

Science of the Total Environment 612: 180-191 (ISSN 0048-9697) (2018)

Environmental Sciences Multidisciplinary sciences
---

<b>Q1 27/251</b>
------------------

Gaertner M.Á., González Alemán J.J., Romera R., Domínguez M., Gil V., Sánchez E., Gallardo C., Miglietta M.M., Walsh K.J.E., Sein D.V., Somot S., Dell'Aquila A., Teichmann C., Ahrens B., Buonomo E., Colette A., Bastin S., van Meijgaard E., Nikulin G.
--

Simulation of medicanes over the Mediterranean Sea in a regional climate model ensemble: impact of ocean-atmosphere coupling and increased resolution
---

Climate Dynamics 51, 1041-1057 (2018)
---------------------------------------

Meteorology and Atmospheric Sciences
--------------------------------------

<b>F1 (Q1) 14/86</b>
----------------------

Sanchez-Hernandez JC, Sandoval M
----------------------------------

Effects of chlorpyrifos on soil carboxylesterase activity at an aggregate-size scale.
---

Ecotoxicol Environ Saf. 142:303-311 (2017).
---

Health, Toxicology and Mutagenesis Pollution (Environmental Science)
---

<b>(Q1) 50/242</b>
--------------------

Parra A, Moreno JM
--------------------

Post-fire environments are favourable for plant functioning of seeder and resprouter Mediterranean shrubs, even under drought.
--

New Phytol. 214(3):1118-1131 (2017)
-------------------------------------

Plant Science
---------------

<b>(D1) Q1 7/222</b>
----------------------

Houbaert A, Zhang C, Tiwari M, Wang K, de Marcos A, Savatin DV, Urs MJ, Zhiponova MK, Gudesblat GE, Vanhoutte I, Eeckhout D, Boeren S, Karimi M, Betti C, Jacobs T, Fenoll C, Mena M, de Vries S, De Jaeger G, Russinova
--

POLAR-guided signalling complex assembly and localization drive asymmetric cell division.
---

Nature, 563:574-578 (2018)
----------------------------

Science
---------

<b>(D1) Q1 1/69</b>
---------------------