



## Difusión de los resultados de los TFMs

- 2024
  - Khaldi, R., Tabik, S., Puertas-Ruiz, S., de Giles, J. P., Correa, J. A. H., Zamora, R., & Segura, D. A. (2024). **Individual mapping of large polymorphic shrubs in high mountains using satellite images and deep learning**. *International Journal of Applied Earth Observation and Geoinformation*, 134, 104191.
  - Martínez-García, A., Peralta-Maraver, I., Rodríguez-Velasco, E., Batanero, G. L., García-Alguacil, M., Picazo, F., Calvo, J., Morales-Baquero, R., Rueda, F. J., & Reche, I. (2024). **Particulate organic carbon sedimentation triggers lagged methane emissions in a eutrophic reservoir**. *Limnology and Oceanography Letters*, 9(3), 247–257. Portico.
  - Martínez-Moreno, S., Leon-Palmero, E., Pula, H., Cabello, A., Ferrera, I., & Reche, I. (2024). **Subcuticular and biofilm microbiomes in *Holothuria tubulosa* and their potential for denitrification**. *Marine Ecology Progress Series*, 736, 81–92.
  - Rodríguez-Velasco, E., Peralta-Maraver, I., Martínez-García, A., García-Alguacil, M., Picazo, F., Gonçalves, R. J., Ramón, C. L., Morales-Baquero, R., Rueda, F. J., & Reche, I. (2024). **Idiosyncratic phenology of greenhouse gas emissions in a Mediterranean reservoir**. *Limnology and Oceanography Letters*, 9(4), 364–375. Portico.
  - Rojas-Cirera, S., Sánchez Piñero, F., Granados, J.E. **Usos ganaderos y aplicación de ivermectina y otros antiparasitarios en Sierra Nevada**. Comunicación Oral en la 41èmes Rencontres du GEEFSM. Groupe d'Etudes sur l'Eco-pathologie de la Faune Sauvage de Montagne-Parque Nacional de Sierra Nevada. Monachil, Granada 7-10 Noviembre 2024.
- 2023
  - Alcaraz-Segura D. 2023. Remote Sensing-Based Monitoring of Postfire Recovery of Persistent Shrubs: The Case of *Juniperus communis* in Sierra Nevada (Spain). *Fire*, 6(4):1-18
  - Ruano, F., ... Amador, A., ... 2023. Transformando a las hormigas en

depredadoras de pulgones mediante la pulverización con tensioactivos. IX Congreso Internacional de Agroecología. Cultivando Sistemas Alimentarios Locales de base Agroecológica, 19-21 enero 2023. Sevilla, España

- Sanllorente, O., Ríos-Guisado, R., Izquierdo, L., Molina, J. L., Mourocq, E., & Ibáñez-Álamo, J. D. 2023. **The importance of university campuses for the avian diversity of cities.** *Urban Forestry & Urban Greening*, 86, 128038.
- Tribaldos, C; Robles, AB; Pérez-Luque AJ (2023) Aplicación de modelos de distribución de especies para la conservación de *Androcymbium europaeum*. Comunicación oral presentada en: XVI Congreso Nacional de la Asociación Española de Ecología Terrestre. La Ecología en una biosfera humanizada. Almería, España. 16-20

- 2022

- **García-Robles, H.**, Cañadas, E.M., Lorite, J., Fernández-Ondoño, E. 2022. **Trade-Off between Facilitation and Interference of Allelopathic Compounds in Vegetation Recovery: The Case of *Rosmarinus officinalis* in Degraded Gypsum Habitats.** *Plants* 11, 459. Curso: 2014-2015
- Blanco-Sacristán, J., Guirado, E., Molina-Pardo, J. L., Cabello, J., Giménez-Luque, E., & Alcaraz-Segura, D. (2022). Remote Sensing-Based Monitoring of Postfire Recovery of Persistent Shrubs: The Case of *Juniperus communis* in Sierra Nevada (Spain). *Fire*, 6(1), 4. <https://doi.org/10.3390/fire6010004>
- Khaldi, R., Puertas, S., Tabik, S., & Alcaraz-Segura, D. (2022). **Dataset of very-high-resolution satellite RGB images to train deep learning models to detect and segment high-mountain juniper shrubs in Sierra Nevada (Spain) (Version 1.0)** [Dataset]. Zenodo. <https://doi.org/10.5281/ZENODO.6793457>
- Mendoza-Fernández, A. J., Fernández-Ceular, Á., Alcaraz-Segura, D., Ballesteros, M., & Peñas, J. (2022). The Fate of Endemic Species Specialized in Island Habitat under Climate Change in a Mediterranean High Mountain. *Plants*, 11(23), 3193. <https://doi.org/10.3390/plants11233193>
- Molina-Morales, M., Leverkus, A. B., Albaladejo-Robles, G., Martínez-Baroja, L., Pérez-Camacho, L., Villar-Salvador, P., Rebollo, S., Rey-Benayas, J. M., & Castro, J. (2022). Linking animal behaviour and tree recruitment: Caching decisions by a scatter-hoarder corvid determine seed fate in a Mediterranean agroforestry system. *Journal of Ecology*, 111(2), 400–411. Portico. <https://doi.org/10.1111/1365-2745.14004>
- Puertas-Ruiz, S., Khaldi, R., Zamora-Rodríguez, R., Hódar-Correa, J. A., Peñas de Giles, J., & Alcaraz-Segura, D. (2022). **Dataset with square plots across Sierra Nevada (Spain) where the contours of all juniper shrubs were annotated as polygons using centimetric GPS and very high resolution aerial and satellite RGB images (Version 1.0)**

[Dataset]. Zenodo. <https://doi.org/10.5281/ZENODO.6801971>

- 2021
  - **Balaguer-Romano R, Barea-Marquez A**, Ocaña-Calahorro FJ, Gomez JM, Schupp EW, Zhang J, de Casas RR. 2021 The potential role of synzoochory in the naturalization of almond tree. *Basic and Applied Ecology*, 50: 97–106. Curso 2018-2019 (defensa: julio 2019).
  - Guirado, E., **Blanco-Sacristán, J.**, Rodríguez-Caballero, E., Tabik, S., Alcaraz-Segura, D., Martínez-Valderrama, J., & Cabello, J. (2021). **Mask R-CNN and OBIA Fusion Improves the Segmentation of Scattered Vegetation in Very High-Resolution Optical Sensors.** *Sensors*, 21(1), 320. Curso 2015-2016 (defensa: septiembre 2016)
  - Leverkus AB, **Polo I, Baudoux C**, Thorn S, Gustafsson L, Rubio de Casas R. 2020 Resilience impacts of a secondary disturbance: Meta-analysis of salvage logging effects on tree regeneration. *Journal of Ecology* n/a. I.Polo: Curso 2018-2019 (defensa: julio 2020). C. Baudoux: Curso 2015-2016 (defensa: septiembre 2016).
- 2020
  - **Aguilar-Garrido A**, Romero-Freire A, García-Carmona M, Martín-Peinado FJ, Sierra-Aragón M, Martínez-Garzón FJ. 2020. Arsenic fixation in polluted soils by peat applications. *Minerals* 10(11):968. Curso 2018-19 (defensa: julio 2019)
  - **Cazorla, B. P.** , Cabello, J., Peñas, J., Garcillan, P. P., Reyes, A., & Alcaraz-Segura, D. (2020). Incorporating ecosystem functional diversity into geographic conservation priorities using remotely sensed ecosystem functional types. *Ecosystems*, 1-17. Curso 2014-2015 (defensa: septiembre 2015).
  - Moreno-Rueda, G.; **González-Granda, L.G.**; Reguera, S.; Zamora-Camacho, F.J. & Melero, E. 2019. Cypsis decreases with elevation in a lizard. *Diversity*, 11: 236. Curso 2012-2013 (defensa: febrero 2014).
  - Moreno-Rueda, G.; **Requena-Blanco, A.**; Zamora-Camacho, F.J.; Comas, M. & Pascual, G. 2020. Morphological determinants of jumping performance in the Iberian green frog. *Current Zoology*, 66: 417-424. Curso 2017-2018 (defensa: julio 2018).
  - **Pacheco-Romero, M.**, Alcaraz-Segura, D., Vallejos, M., & Cabello, J. (2020). An expert-based reference list of variables for characterizing and monitoring social-ecological systems. *Ecology and Society*, 25(3). Curso 2015-2016 (defensa: septiembre 2016).
- 2019
  - **Araya, C.M.**; Cazorla, A.; Reche, I. (2019). Detachment Procedure of Bacteria from Atmospheric Particles for Flow-cytometry Counting. *Bio-protocol*, 9(12): e3273

<http://masteres.ugr.es/biodiversidad/>

. Curso: 2018-2019.

- García-Carmona, M.; García-Robles, H.; **Turpín Torrano, C.**; Fernández Ondoño, E.; Lorite Moreno, J.; Sierra Aragón, M.; Martín Peinado, F.J. 2019. Residual pollution and vegetation distribution in amended soils 20 years after a pyrite mine tailings spill (Aznalcóllar, Spain). *Science of the Total Environment*, 650: 933-940. Curso 2015-2016 (defensa: septiembre 2016).
- Guirado E, **Blanco-Sacristán J**, Rigol-Sánchez, Alcaraz-Segura D, Cabello J. 2019. A Multi-Temporal Object-Based Image Analysis to Detect Long-Lived Shrub Cover Changes in Drylands. *Remote Sensing*, 11:2649. Curso 2015-2016 (defensa: septiembre 2016)

- 2018

- **Álvarez-Ruiz, L.**; Megía-Palma, R.; Reguera, S.; Ruiz, S.; Zamora-Camacho, F.J.; Figuerola, J. & Moreno-Rueda, G. 2018. Opposed elevational variation in prevalence and intensity of endoparasites and their vectors in a lizard. *Current Zoology*, 64: 197-204. Curso: 2014-2015 (defensa 2015)
- Reche I., **D'Orta G.**, Mladenov N., Widge D.M., Suttle C.A. (2018). Deposition rates of viruses and bacteria above the atmospheric boundary layer. *The ISME Journal*. Curso 2011-2012.
- **Izquierdo L**, Thomson RL, Aguirre JI, Díez-Fernández A, Faivre B, Figuerola J, Ibáñez-Álamo JD. Factors that explain leucism in the common blackbird (*Turdus merula*). *Journal of Avian Biology*, 49:e01778. 2018. Curso: 2016-2017 (defensa 27/09/2017).
- Lorite J, **González-Robles A**, Salazar C, Peñas J. Morphometric analysis of the complex *Moehringia* sect. *Pseudomoehringia McNeill* from Western Mediterranean. *Plant Biosystems*. 2018. Curso 2014-2015 (defensa 2015).
- Ruano, F., Lenoir, A., **Silvestre, M.**, Khalil, A., Tinaut, A. Chemical profiles in *Formica frontalis* and *Iberoformica subrufa*, a new social temporary parasite system. *Insectes Sociaux*. 2018. Curso 2013-2014. Defensa Septiembre 2014.
- **Sánchez Martín, R.**, Jiménez, M.N., Navarro, F.B. Effects of vegetation management on plant diversity in traditional irrigation systems. *Journal of Environmental Management* 223: 396-402. Curso 2015-2016.

- 2017

- **Armas D**, Guevara M, Alcaraz-Segura D, Vargas R, Soriano-Luna MA, Durante P, Oyonarte C. Digital map of the organic carbon profile in the soils of Andalusia, Spain. *Ecosistemas*, 26(3): 80-88. 2017. Curso: 2015-2016 (defensa 09/2016).

- Ballesteros, M., **Ayerbe, J.**, Casares, M., Cañadas, E.M. & Lorite, J. 2017. Successful lichen translocation on disturbed gypsum areas : A test with adhesives to promote the recovery of biological soil crusts. *Scientific reports*, 1–9. Nature Publishing Group. Curso: 2015-2016 (defensa 09/2016).
- **Cabrerizo MJ**, Medina-Sánchez JM, Dorado I, Villar-Argaiz M, Carrillo P (2017) Rising frequency of resource pulses under solar UVR strengthen microbial interactions. *Sci Rep* 7, 43615. Curso: 2011-2012 (defensa 09/2012).
- Lorite J, Serrano, **Lorenzo**, Cañadas E, Peñas J.. Rock climbing alters plant species composition, cover, and richness in Mediterranean limestone cliffs. 2017. *PLOS ONE*: 12(8): e0182414.
- **García-Carmona, M.**; Romero-Freire, A.; Sierra Aragón, M.; Martínez Garzón, F.J.; Martín Peinado, F.J. 2017. Evaluation of remediation techniques in soils affected by residual contamination with heavy metals and arsenic. *Journal of Environmental Management*, 191: 228-236. Curso: 2014-2015 (defensa: septiembre 2015).
- Santos X, J S. Azor, **S Cortés**, E Rodríguez, J Larios, J M. Pleguezuelos (2017). Ecological significance of dorsal polymorphism in a Batesian mimic snake. *Current Zoology* 64(6): 745-753. Curso 2015-2016. convocatoria septiembre 2012
- 2016
  - Sánchez-Piñero, F., **Urbano-Tenorio, F.** 2016. Watch out for your neighbor: Climbing onto shrubs is related to risk of cannibalism in the scorpion *Buthus cf. occitanus*. *PLoS ONE* 11(9): e0161747. Curso 2012-2013 (defensa 2013).
  - **C. Segura**, M.N. Jiménez , O. Nieto , F.B. Navarro , E. Fernández-Ondoño. 2016. Changes in soil organic carbon over 20 years after afforestation in semiarid SE Spain. *Forest Ecology and Management* 381: 268-278
  - **López-Calderón C**, MFeriche, E Alaminos, JM Pleguezuelos (2016) Loss of largest and oldest individuals of the Montpellier snake correlates with recent warming in the south-eastern Iberian Peninsula. *Current Zoology*. Doi: 10.1093/cz/zow112. curso 2013-2014, convocatoria julio 2014
- 2015
  - Zamora-Camacho, F.J.; Reguera, S.; **Rubiño-Hispán, M.V.** & Moreno-Rueda, G. 2015. Eliciting an immune response reduces sprint speed in a lizard. *Behavioral Ecology*, 26: 115-120. Curso: 2011-2012 (defensa 2012).
  - **Cortés Páez, L.E.**; Bravo Realpe, I.; Martín Peinado, F.J.; Menjivar Flores, J.C. 2015. Adsorción de metales pesados en andisoles, vertisoles y ácidos húmicos. *Acta Agronómica*, 64 (1): 61-71. Curso 2010-2011 (defensa: julio

2011).

- Tinaut, A., Ruano, F., **Silvestre, M.**, Martínez-Ibáñez, M.D. 2015. Review and update on the distribution of *Formica frontalis* Santschi.1919 across the Iberian Peninsula (Hymenoptera: Formicidae). *Boln. Asoc. esp. Ent.* 39 (1-2): 113-131. Curso 2013-2014, (defensa septiembre 2014)
- 2014
  - Zamora-Camacho, F.J.; Reguera, S.; **Rubiño-Hispán, M.V.** & Moreno-Rueda, G. 2014. Effects of limb length, body mass, gender, gravidity, and elevation on escape speed in the lizard *Psammmodromus algirus*. *Evolutionary Biology*, 41: 509-517. Curso: 2011-2012 (defensa 2012).
  - **Romero-Freire, A.**; Sierra-Aragón, M.; Ortiz-Bernad, I.; Martín-Peinado, F.J. 2014. Toxicity of arsenic in relation to soil properties: implications to regulatory purposes. *Journal of Soils and Sediments*, 14: 968-979. Curso 2011-2012 (defensa: julio 2012)
  - **Azor J S**, X Santos & J M Pleguezuelos (2015) Conifer plantation thinning restores reptile biodiversity in Mediterranean landscapes. *Forest Ecology and Management* 354: 185-189. Ccurso 2013-2014, (defensa julio 2014)
- 2013
  - Ballesteros, M., Cañadas, E.M, **Foronda, A.**, Peñas, J. & Lorite J. 2013. Conservation status of the narrow endemic gypsophile *Ononis tridentata* subsp. *crassifolia* in southern Spain: effects of habitat disturbance. *Oryx*, 47(2): 199-202. Curso 2011-2012 (defensa: septiembre 2012).
  - Navarro, F.B., Romero-Freire, A., **Del Castillo, T.**, Foronda, A., Jiménez, M.N., Ripoll, M.A., Sánchez-Miranda, A., Huntsinger, L., Fernández-Ondoño, E. 2013. Effect of thinning on litterfall remains after 5 years at the tree and stand level in a *Pinus halepensis* Mill. afforestation area. *Forest Ecology and Management*. 289:354-365.
- 2012
  - Martín Peinado, F.J.; Romero Freire, A.; **Arco Lázaro, E.**; Sierra Aragón, M.; Ortiz Bernad, I.; Abbaslou, H. 2012. Assessment of arsenic toxicity in spiked soils and water solutions by the use of bioassays. *Spanish Journal of Soil Science*, 2 - 3: 45 - 56. Curso 2010-2011 (defensa: septiembre 2011).