

Research articles:

- Miho, H., Moral, J., López-González, M.A., **Díez, C.M***, and Priego-Capote, F*, 2020. The phenolic profile of virgin olive oil is influenced by malaxation conditions and determines the oxidative stability. *Food Chemistry*, 126183.
- Roessler, K., Muyle, A., **Diez, C.M.**, Gaut, G.R., Bousios, A., Stitzer, M.C., Seymour, D.K., Doebley, J.F., Liu, Q. and Gaut, B.S., 2019. The genome-wide dynamics of purging during selfing in maize. *Nature plants*, 5(9): 980-990.
- Miho, H., **Díez, C.M.**, Mena-Bravo, A., de Medina, V.S., Moral, J., Melliou, E., Magiatis, P., Rallo, L., Barranco, D. and Priego-Capote, F., 2018. Cultivar influence on variability in olive oil phenolic profiles determined through an extensive germplasm survey. *Food chemistry*, 266: 192-199.
- Rallo, L., Diez, C.M., Morales-Sillero, A., Miho, K., Priego-Capote, F., Rallo, P. 2018. Quality of olives: A focus on agricultural preharvest factors. *Scientia Horticulturae*, 233: 491-509.
- Ramos, A., Rapoport, H.F., Cabello, D., Rallo, L. 2018. Chilling accumulation, dormancy release temperature, and the role of leaves in olive reproductive budburst: Evaluation using shoot explants. *Scientia Horticulturae* 231: 241-252.
- Agustí-Brisach, C., Raya-Ortega, M.C., Trapero, C., Roca, L.F., Luque, F., López-Moral, A., Fuentes, M., Trapero, A. 2018. First report of *Fusarium pseudograminearum* causing crown rot of wheat in Europe. *Plant Disease*, 102: 1670.
- 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. 2018. Cultivar influence on variability in olive oil phenolic profiles determined through an extensive germplasm survey. *Food Chemistry*, 266: 192-199.
- 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. 2018. Starch hydrolysis and vessel occlusion related to wilt symptoms in olive stems of susceptible cultivars infected by *Verticillium dahliae*. *Frontiers in Plant Science*, 9, art. no. 72.
- Rallo, L., Barranco, D., De La Rosa, R., León, L. 2018. New olive cultivars and selections in Spain: Results after 25 years of breeding. *Acta Horticulturae*, 1199: 21-25.
- Rallo, L., Ramos, A., Rubio-Valdés, G., Rapoport, H.F. 2018. Integrated overview of olive reproductive bud dormancy and biennial bearing. *Acta Horticulturae*, 1199: 97-102.
- Díez, C.M., Moral, J., Cabello, D., Morello, P., Rallo, L., Barranco, D. 2016. Cultivar and tree density as key factors in the long-term performance of super high-density olive orchards. *Frontiers in Plant Science*, 7.
- Roca, L. F., Moral, J., Trapero, C., Blanco-López, M. A., López-Escudero, F. J. 2016. Effect of Inoculum Density on *Verticillium* Wilt Incidence in Commercial Olive Orchards. *Journal of Phytopathology*, 164:61-64.
- Díez, C. M. and Gaut, B. S. 2016. The jury may be out, but it is important that it deliberates: a response to Besnard and Rubio de Casas about olive domestication. *New Phytologist*, 209: 471 - 473.
- Morello, P., Díez, C.M., Codes, M., Rallo, L., Barranco, D., Trapero, A., Moral, J. 2015. Sanitation of olive plants infected by *Verticillium dahliae* using heat treatments. *Plant Pathology*, 65: 412-421.

- Moral, J., Alsalimiya, M., Roca, L. F., Díez, C. M., León, L., de la Rosa, R., Barranco, D., Rallo, L., Trapero, A. 2015. Relative susceptibility of new olive cultivars to *Spilocaea oleagina*, *Colletotrichum acutatum*, and *Pseudocercospora cladosporioides*. *Plant Disease*, 99: 58-64.
- Díez, C.M., Trujillo, I., Martínez-Urdiroz, N., Rallo, L., Barranco, D., Marfil, P., Gaut, B.S. 2015. Olive domestication and diversification in the Mediterranean Basin. *New Phytologist*, 206: 436-447.
- Bousios, A., Díez, C.M., Takuno, S., Bystry, V., Darzentas, N., Gaut, B.S. 2015. A role for palindromic structures in the cis-region of maize Sirevirus LTRs in transposable element evolution and host epigenetic response. *Genome Research*: gr.193763.115.
- Trapero, C., Rallo, L., López-Escudero, F.J., Barranco, D., Díez, C.M. 2015. Variability and selection of verticillium wilt resistant genotypes in cultivated olive and in the *Olea* genus. *Plant Pathology*, 64: 890-900.
- Gaut, B.S., Díez, C.M., Morrell, P.L. 2015. Genomics and the contrasting dynamics of annual and perennial domestication. *Trends in Genetics*: 31: 709–19.
- García-Ruiz, G. M., Trapero, C., Varo-Suarez, Á., Trapero, A., López-Escudero, F. J. 2015. Identifying resistance to verticillium wilt in local spanish olive cultivars. *Phytopathologia Mediterranea*, 54: 453-460.
- Trujillo, I., Ojeda, MA., Urdiroz, NM., Potter, D., Barranco, D., Rallo, L., Díez, CM. 2014. Identification of the Worldwide Olive Germplasm Bank of Cordoba (Spain) using SSR and morphological markers. *Tree Genetics & Genomes*, 10: 141-155.
- Rallo, L. 2014. Breeding oil and table olives for mechanical harvesting in Spain. *Horttecnology*. 24(3): 295-300.
- Garcia-Ruiz, G.M., Trapero, C., Lopez-Escudero, F.J. 2014. Shortening the period for assessing the resistance olive to *Verticillium* wilt using continuous lightning. *HortScience* 49: 1171–1175.
- Trapero, C., Barranco, D., Martín, A., Díez, C.M. 2014. Occurrence and variability of sexual polyembryony in olive cultivars. *Scientia Horticulturae* 177: 43–46.
- Díez, C.M., Meca, E., Tenailon, M.I., Gaut, B.S. 2014. Three groups of transposable elements with contrasting copy number dynamics and host responses in the maize (*Zea mays* ssp. *mays*) genome. *PLoS genetics* 10: e1004298.
- Garcia-Ruiz, G.M., Trapero, C., Rio, C., Lopez-Escudero, F.J. 2014. Evaluation of resistance of Spanish olive cultivars to *Verticillium dahliae* in inoculations conducted in greenhouse. *Phytoparasitica*, 42: 205–212.
- Rallo, L. 2014. Looking towards tomorrow in olive growing: Challenges in breeding. *Acta Horticulturae*, 1057: 467-481.
- Díez, C.M., Roessler, K., Gaut, B.S. 2014. Epigenetics and plant genome evolution. *Current Opinion in Plant Biology* 18: 1–8.

PUBLICATIONS: Books, book chapters.

- Rallo, L., Barranco, D., Diez, C.M., Rallo, P., Suarez, M.P., Trapero, C., Pliego-Alfaro, F. 2018. Strategies for Olive (*Olea europaea* L.) Breeding: Cultivated Genetic Resources and Crossbreeding. In: Advances in plant breeding strategies: Fruits. Al-Khayri, J.M., Jain, S.M., Johnson, D.V. (eds). Springer. 990 pp. ISBN: 978-3-319-91943-0.
- Barranco, D., Fernández-Escobar, R., Rallo, L. (Eds). 2017. El Cultivo del Olivo (7th edition). Mundi-Prensa. 994 pp. ISBN: 978-84-8476-714-5.
- Rallo, L, Caruso, T, Diez, CM, Campisi, G. 2016. Olive Growing in a Time of Change: From Empiricism to Genomics in Rugini, E, E, Baldoni, L, Muleo, R., Sebastiani, L. (Eds.). Olive Tree Genome.55-64. DOI: 10.1007/978-3-319-48887-5_4
- Diez, CM, Moral, J, Barranco, D, Rallo, L. 2016. Genetic Diversity and Conservation of Olive Genetic Resources. In Genetic diversity and erosion in plants. 2 Case histories. In Aluha, MR; Jain, SM. Sustainable Development and Biodiversity. V.8. Ahuja, MR; Jain, SM (eds.) 337-356DOI: 10.1007/978-3-319-25954-3_10