

Reference list for Table 1

- Baquedano F. J., Castillo F. J. (2006). Comparative ecophysiological effects of drought on seedlings of the Mediterranean water-saver *Pinus halepensis* and water spenders *Quercus coccifera* and *Quercus ilex*. *Trees-Struct. Funct.* 20 689–700.
- Borghetti M., Cinnirella S., Maganai F., Saracino A., 1998. Impact of long-term drought on xylem embolism and growth in *Pinus halepensis* Mill. *Trees* 12, 187-195.
- Canadell J., Jackson R.B., Ehleringer J.R., Mooney H.A., Sala O.E., Schulze E.D., 1996. Maximum rooting depth of vegetation types at the global scale. *Oecologia* 108, 583-595.
- Castro-Díez P., Puyravaud J.P., Cornelissen J., Villar-Salvador P., 1998. Stem anatomy and relative growth rate in seedlings of a wide range of woody plant species and types. *Oecologia* 116, 57-66.
- García de la Serrana, R., Vilagrosa, A., Alloza, J.A. (2015) Pine mortality in southeast Spain after an extreme dry and warm year: interactions among drought stress, carbohydrates and bark beetle attack. *Trees* 29: 1791 – 1804.
- Martínez-Ferri E., Balaguer L., Valladares F., Chico J.M., Manrique E., 2000. Energy dissipation in drought-avoiding and drought-tolerant tree species at midday during the Mediterranean summer. *Tree Physiol* 20, 131-138.
- Martínez-Vilalta J., 2001. Constrains on water transport posed by xylem embolism: implications for drought and frost resistance in woody plants. Tesis doctoral. Univ. Autónoma de Barcelona.
- Méthy, M., Gillon, D., Houssard, C. (1997) Temperature-induced changes of photosystem II activity in *Quercus ilex* and *Pinus halepensis* Can. J. For. Res. 27:31–38.
- Peguero-Pina, J. J., Sancho-Knapik, D., Barrón, E., Camarero, J. J., Vilagrosa, A., & Gil-Peigrín, E. (2014). Morphological and physiological divergences within *Quercus ilex* support the existence of different ecotypes depending on climatic dryness. *Annals of botany*, 114(2), 301-313.
- Pemán, J., Chirino, E., Espelta, J. M., Jacobs, D. F., Martín-Gómez, P., Navarro-Cerrillo, R., ... & Gil-Peigrín, E. (2017). Physiological Keys for Natural and Artificial Regeneration of Oaks. In *Oaks Physiological Ecology. Exploring the Functional Diversity of Genus Quercus L.* (pp. 453-511). Springer, Cham.
- Schilller G., 2000. Ecophysiology of *Pinus halepensis* Mill. and *Pinus brutia* Ten. En: Ecology, biogeography and management of *Pinus halepensis* and *Pinus brutia* forest ecosystems in the Mediterranean basin. (Ne'eman G., Trabaud L., Eds.) Backhuys Pub, Leiden, Holland, pp. 51-65.
- Tognetti T., Michelozzi M., Giovanelli A., 1997. Geographic variation in water relations, hydraulic architecture and terpene composition of Aleppo pine seedlings from Italian provenances. *Tree Physiol* 17, 241-250.
- Valdecantos A., 2001. Aplicación de fertilizantes orgánicos e inorgánicos en la repoblación de zonas forestales degradadas de la Comunidad Valenciana. Tesis doctoral. Universidad de Alicante.
- Vallejo V.R., Cortina J., Vilagrosa A., Seva J.P., Alloza J.A., 2003. Problemas y perspectivas de la utilización de leñosas autóctonas en la restauración forestal. En: Restauración de Ecosistemas Mediterráneos. (Rey-Benallas J.M., Espigares T., Nicolau J.M., Eds.). pp. 11-42.

Vilagrosa A., 2002. Estrategias de resistencia al déficit hídrico en *Pistacia lentiscus* y *Quercus coccifera*. Implicaciones en la repoblación forestal. Tesis Doctoral. Universidad de Alicante

Vilagrosa A., Bellot J., Vallejo V.R. Gil-Pelegrín, E., 2003a. Cavitation, stomatal conductance, and leaf dieback in seedlings of two co-occurring Mediterranean shrubs during an intense drought. *J. Exp. Bot.* 54, 2015-2024.

Vilagrosa A., Cortina J., Gil-Pelegrín E. Bellot J., 2003b. Suitability of drought preconditioning techniques in Mediterranean land restoration. *Rest. Ecol.* 11, 208-216.

Vilagrosa A., Seva J.P., Valdecantos A., Cortina J., alloza j.a., serrasolsas i., diego v., abril m., ferran a., bellot j., vallejo v. r., 1997a. Plantaciones para la restauración forestal en la Comunidad Valenciana. En: La restauración de la cubierta vegetal en la Comunidad Valenciana. (Vallejo V.R., Ed.), Valencia, pp. 435-548.

Vilagrosa, A., Cortina, J., Rubio, E., Trubat, R., Chirino, E., Gil-Pelegrín, E., & Vallejo, V. R. (2005). El papel de la ecofisiología en la restauración forestal de ecosistemas mediterráneos. *Investigación Agraria: Sistemas y Recursos Forestales*, 14(3), 446-461.

Villar-Salvador P., Ocaña L., Peñuelas J., Carrasco I., 1999. Effect of water stress conditioning on the water relations, root growth capacity, and the nitrogen and non-structural carbohydrate concentration of *Pinus halepensis* Mill. (Aleppo pine) seedlings. *Ann. For. Sci.* 65, 459-465.

Zabala M.A., Espelta J.M., Retana J., 2000. Constraints and trade-offs in Mediterranean plant communities: the case of Holm oak-Aleppo pine forest. *The Botanical Review* 66, 119-149.