

GREECE

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Raftoyannis Y. and Radoglou K.

Working groups

WG 1. Raftoyannis Y., Skaltsoyiannes A.
WG 2. Radoglou K., Aravanopoulos F.
WG.3. Dini - Papanastasi O., Ispikoudis I.

Research activities

- "Research on the clone propagation of selected genotypes of the genus Juglans" Greek General Secretariat for Research and Technology (1996)
- "Study of the somatic embryogenesis of Juglans regia", Greek General Secretariat for Research and Technology (1996)
- "A European approach for assessing regrowth potential of woody plants: parameters for plant vitality and dormancy of planting stock". FAIR CT95-0497, 4th Framework Programme, Research Directorate, European Commission (1997-1999).
- Estimation of evapotranspiration on woody species for afforestation" Dimitra 95, Ministry of Agriculture, Greece (1997-2000).
- "Micropropagation of selected clones of wild cherry" Greek Ministry of Education (2000)
- "Improvement of wild cherry rooting capacity. Bilateral cooperation Greece – Romania. Greek General Secretariat for Research and Technology (2001-2003)
- Micropropagation of Prunus avium and Fraxinus excelsior. University of Thessaloniki
- Selection and Utilization of Cultivated Fodder Trees and Shrubs in Mediterranean Extensive Livestock Production Systems (CAMAR-8001-CT90-030).
- Biogeochemical Cycling in Agriforestry Systems (STEP-CT90-0075, EV5V-CT93-0288)
- Silvoarable Agriforestry for Europe, SAFE, (QLKS-CT-2001-00560).

- Selection criteria for seeds and planting stock of forest trees for afforestation and urban use. Greek Ministry of Education (2004-2006).
- Global Change in Mountain Regions: An Integrated Assessment of Causes and Consequences, GLOCHAMORE”, GOCE-CT-2003-506679. 6th Framework Programme, Research Directorate, European Commission. (2003-2005).

Selected Publications

- Aravanopoulos, F. A., 1998. Environmental pollution effects on the evolutionary genetics of forest trees. *Environmental Research* 1(2): 29-52
- Aravanopoulos, F.A., 2000. Absence of association between heterozygosity and biomass production in *Salix exigua* Nutt. *Theoretical and Applied Genetics* 100 (8): 1203-1208.
- Aravanopoulos, F.A., Drouzas A.D. and P.G. Alizoti 2001. Electrophoretic and quantitative variation in chestnut (*Castanea sativa* Mill.) in Hellenic populations in old-growth natural and coppice stands. *For. Snow Landsc. Res.* 76(3): 429-434.
- Aravanopoulos, F.A., Kim K.H. and L. Zsuffa 1999. The genetic base of *Salix* clonal material selected for intensive forestry plantations. *Biomass and Bioenergy* 16: 249-255.
- Braziotis, D.C. and V.P. Papanastasis. 1995. Seasonal changes of understorey herbage yield in relation to light intensity and soil moisture content in a *Pinus pinaster* plantation. *Agroforestry Systems*, 29: 91-101.
- Gakis, S., K. Mantzanas, D. Alifragis, V.P. Papanastasis, A. Papaioannou, D. Seilopoulos, P. Platis. 2004. Effects of understanding vegetation on tree establishment and growth in a silvopastoral system in northern Greece. *Agroforestry systems*, 60 (2): 149-157.
- Papanastasis, V., Z. Koukoura, D. Alifragis and I. Makedos. 1995. Effects of thinning, fertilisation and sheep grazing on the understory vegetation of *Pinus pinaster* plantations. *Forest Ecology & Management*, 77: 181-189.
- Radoglou K., Raftoyannis Y. 2000. Contribution of forests and forestry to the mitigation of greenhouse effects in Greece. *Biotechnology, Agronomy, Society and Environment* 4:294-295.
- Radoglou K., Raftoyannis Y. 2000. A comparative study of plant vitality tests and field performance of eleven tree species. *Phyton* 40:163-168.
- Radoglou K., Raftoyannis Y. 2001. Effects of desiccation and freezing on vitality and field performance of broadleaved tree species. *Annals of Forest Science* 58: 59-68.
- Radoglou K., Raftoyannis Y., Halivopoulos G. 2003. The effects of planting date and seedling quality on field performance of *Castanea sativa* Mill. and *Quercus frainetto* Ten. seedlings. *Forestry* 76:569-578.
- Radoglou K., Raftoyannis Y. 2002. The impact of storage, desiccation and planting date on seedling quality and survival of woody plant species. *Forestry* 75:179-190.
- Raftoyannis Y., Radoglou K., Halivopoulos G. 2006. Ecophysiology and survival of *Acer pseudoplatanus* L. *Castanea sativa* Miller. and *Quercus frainetto* Ten. seedlings on a reforestation site in northern Greece. *New Forests* 31:151-163.
- Raftoyannis Y., Radoglou K. 2002. Physiological responses of beech and sessile oak in a natural mixed stand during a dry summer. *Annals of Botany* 89:723-730.
- Scaltsoyiannes, A., Tsoulpha, P., Panetsos, K. and D., Moulalis, 1997. "Effect of genotype on micropropagation of walnut trees (*Juglans regia*)". *Silvae Genetica* 46, 326-332.
- Scarascia Mugnozza, G., Oswald, H., Piussi P. and Radoglou, K. (2000) : Forests of the Mediterranean region : gaps in knowledge and research needs. *Forest Ecology and Management*, 132, 97-109.
- Tsoulpha, P. and A., Scaltsoyiannes, 1997. "Protocols of organogenesis and somatic embryogenesis on *Juglans regia*". First Balkan Botanical Congress, September 19-22, Thessaloniki, pp. 611-614.