

**P13 (CIFOR-INIA, Spain): Hortensia SIXTO, Dr** e- mail sixto@inia.es

**Date of birth:** 23.12.1958

**Nationality:** Spanish

**Current Position:** Titular Research of a Public Research Organizations. Centre of Forest Research CIFOR-INIA, Ctra. De la Coruña Km 7,5. 28040 Madrid, Spain

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**Academic Qualifications:** PhD Thesis in Botany and Plant Physiology, 1992- Complutense University of Madrid, Spain

**Other Activities:**

Advisory member of the National Poplar Commission since 2006.

Core member of the Spanish Biomass Technology Platform-BIOPLAT.

## Research Projects

Over the past 10 years her research activity has been focused on the selection of genetic material and its interaction with the environment with fast-growing species, especially *Populus* species and hybrids as well as in the design and cultural management of these plantations. In addition to productive criteria abiotic stresses such as salinity, drought or herbicide response have been considered in the selection process.

Coordinator of Research Project related with biomass production for energy through forestry crops and forestry genetic resources conservation.

## Summary

13 papers in international journals, 2 books chapters, Participation in 20 funded research projects in 3 of them as PI.

**Research areas:** Intensive Silviculture, Biomass, Abiotic stress response (herbicides, salinity, drought)

List of 5 publications relevant to the proposal

**SIXTO,H**; GRAU,J.M; GARCÍA-BAUDÍN,J.M. 2001. Assessment of the effect of broad-spectrum pre-emergence herbicides in poplar nurseries. Crop Protection 20(2) 121-126.

**SIXTO,H**; GRAU,J.M; ALBA,N; ALÍA,R. 2005. Response to sodium chloride in different species and clones of genus. Forestry Vol.78 (1) 93-104

**SIXTO,H**; ARANDA,I; GRAU,J.M. 2006. Assessment of salt tolerance in *Populus alba* clones using chlorophyll fluorescence. Photosynthetica .Vol 44(2) 169-173

**SIXTO,H.**, HERNÁNDEZ,MJ., BARRIO,M:., CARRASCO,J:.,CAÑELLAS,I.,2007. Plantaciones del género *Populus* para la producción de biomasa con fines energéticos. Investigación Agraria. Sistemas y Recursos Forestales. Vol 16(3).277-294

BARRIO,M; **SIXTO,H**; CAÑELLAS,I; CASTEDO,F.2008. : Dynamic growth model for I-214 poplar plantations in the north and central plateaux in Spain. Forest Ecology and Management. 255. 1067-1078