



Plant Biology

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Society of Plant Physiology

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During my Ph.D at University of Valencia, Spain, my topic of research was focused on the effects of osmotic and saline stress on rice (*Oryza sativa* L) with the aim of developing anatomical, physiological and molecular markers of tolerance. After my PhD, I moved to California State University (CSU) Fresno, California, where I have been studying plant and nematodes interaction, the main objective was: to design new ways to control nematode pests in agriculture using a biotechnology approach. Since my incorporation to the Institute of Agrobiotechnology; Navarra, Spain, my research was focused on the study of the molecular and biochemical bases of starch metabolism and its interaction with other biological processes, both in plants of interest in the field of basic research (*Arabidopsis*) and in plants of agronomic interest (corn, barley and potato). I am also working on the identification of volatile compounds emitted by microorganisms that promote growth, flowering and starch accumulation in plants (potato, tomato and pepper).