

# CURRICULUM VITAE

Dr. J.E. Fernández November 2017

**Born:** March 20, 1960    **Status:** Married, three sons

**Graduated:** Agricultural Engineer, University of Córdoba,  
June 1986

Ph.D., University of Córdoba, 1989

**Current position:**

Senior Researcher (*Investigador Científico*) at the  
Instituto de Recursos Naturales y Agrobiología  
de Sevilla (IRNAS), of the Consejo Superior  
de

Investigaciones Científicas (Spanish Research  
Council, CSIC). Appointed 1993

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## Background

Dr. Enrique Fernández is a research scientist of the Spanish Research Council (CSIC), currently working at the *Instituto de Recursos Naturales y Agrobiología* of Seville (IRNAS). He has a Ph.D. in Agronomy from the University of Córdoba (1989). Dr. Fernández is specialised in the study of crop water relationships, mainly for crops of arid and semi-arid areas. He works mainly on deficit irrigation, trying to establish the basis for a more rational irrigation management, focused on reducing water consumption, achieving an optimum balance between yield production and quality and reducing the environmental impact of the use of water in agriculture. His main research lines are: (1) Characterization of main physiological mechanisms governing the crop response to soil and atmospheric conditions, (2) Deficit irrigation management, (3) Development and testing of water stress indicators, both conventional (water potential, stomatal conductance, growth) and for continuous & automatic recording (sapflow, trunk diameter variations, leaf turgor), (4) Development of automatic irrigation controllers and (5) environmental impact of fertigation.

## Key curricular aspects

Dr. Fernández has published 68 papers in SCI journals, and 21 book chapters. He has participated in 37 research projects, being the responsible researcher in 12 of them. He has also participated in 10 research contracts with private companies, being responsible for 6 of them. He has supervised 8 Ph.D. Thesis, plus one currently in progress.

Current responsibilities:

Director of the Institute of Natural Resources and Agrobiology (IRNAS, CSIC)

Coordinator of Agriculture of the Spanish National Evaluation Agency

Editor-in-Chief of *Agricultural Water Management*

Head of the Irrigation and Crop Ecophysiology Group ([www.olima.es](http://www.olima.es)).