

Giancarlo Roccuzzo

Agronomist, Tenured researcher of CREA (Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria) at the Research centre for Citrus and Mediterranean crops in Acireale (CT, Italy). During his education period he worked at the CNR (National Research Council - Institute for Plant Nematology), the Citrus experimental Institute belonging to Italian Ministry of Agriculture (MiPAAF), and the Valencian Institute for Agricultural Research (Spain) on sustainable citrus management techniques. Fixed term researcher from 1997 to 2000 in an Organic farming program funded by MiPAAF. Coordinator of the European project Biological Food for Plants – BFPs (COOP-CT-2004-508458) and of the Italian project BioVeNuS (FIT E01/160) from 2000 to 2004. From 2004 to 2010 he collaborated with CRA-ACM and CRA-RPS (today CREA) in several research projects (AGRUQUAL, RAVAGRU, VIBIOLAG). Visiting scientist (March to September 2012) at the IAS-CSIC in Cordoba (Spain) in the Agronomy department (studies on the effects of water deficit on citrus trees). Coordinator of two national projects (SALIBUS and ITACA) on the conversion and management of fruit tree groves to organic farming, funded by the Italian ministry of agriculture (MiPAAF). PI for CREA in the I4ALL (Irrigation for all) project, funded by EU Leonardo da Vinci Program (Project no. 2013-1-RO1-LEO05-28763).

Starting from late 1990s he works on innovative systems of irrigation and fertigation; during this period he realized research and technological transfer in Southern Italy about sprinkling, drip and subsurface irrigation. In the last decade, he coordinated a national project on the citrus industry and the work package on irrigation practices; more in depth the basic principles of deficit irrigation were adapted to citrus groves in Sicily. Starting from 2010 participates to a national project in which sustained and regulated deficit irrigation, partial root drying are compared with standard drip irrigation. His main research focus is on plant nutrition, deficit irrigation techniques, gas exchange monitoring in the soil-plant system, crop management in organic farming. Author and co-author of 4 book chapter, 90 peer reviewed articles, congress proceedings and professional publications.

Member of Italian society for horticultural science (SOI); he is in the Board for 2013-2016 period.

Member of ISHS, among others of the Commission Irrigation and Plant Water Relations

Member of other scientific societies dealing with sustainable agricultural practices (ISOFAR, SISS, CIEC)

Member of ISC (International Society of Citriculture) Executive Committee (2013-2016).

Selected references

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