

CURRICULUM VITAE DR. AVOLA GIOVANNI

Current position

Researcher in the National Research Council (CNR) – Italy.

Education

- **Ph.D., Crop productivity**, May 1998, University of Catania. Dissertation: *Photosynthesis, growth and fructification in Vicia faba L.*
- **MSc., Agronomy**, November 1992, University of Catania. Dissertation: *Flowering and fructification in Vicia faba L.*

Research interests:

- **Plant Physiology**: Photosynthesis, leaf and canopy gas exchange, source-sink interaction, abiotic stress response, carbon balance, seed respiration, soil respiration
- **Ecophysiology**: water balance, interaction of plants with their environments, deficit irrigation, seed germination, mechanisms that control plant growth and tolerance to abiotic stress (drought, salt) in order to improve crop productivity
- **Crop productivity**: grain legumes productivity, weed control strategies, grain legumes composition, quality, saffron productivity and quality
- **Bio-waste resources**: Use of orange waste as organic fertilizer, nutraceutical extraction from plants

Research Experience

- December 2001 to present: Researcher. Trees and Timber Institute - National Research Council – Italy.
- July 2008: Visiting Researcher. International cooperation /Agreement CNR / CAS (Chinese Academy of Sciences) “Cold and Arid Regions Environmental and Engineering Research Institute” Lanzou (Ganzu Province - China). Working on “Irrigation using saline water: contribution to increase productivity and yield quality of traditional crops in Chinese N.W. oasis”
- May 2003 to July 2003: Visiting Researcher. Department of Land, Air and Water Resources, University of California, Davis (USA). Working on Evapotranspiration rates of processing tomato planted at narrow and wide row spacing.
- December 1996 to October 1997: Visiting student. Department of Land, Air and Water Resources, University of California, Davis, (USA). Working on Photosynthetic response of several crops to different environmental factor.
- September 1999 to December 2001: Researcher Assistant. Department of Agronomical, Agrochemical and Animal Production Science, University of Catania. Studying the Ecophysiological characterization of grain legumes under Mediterranean environment.

Teaching Experience

- November 2002 to September 2006: Teaching Assistant at Agricultural Faculty, University of Catania, in the following courses: Crops production, Agronomy.
- February 2008 to February 2011. Teaching professorships at the University of Messina in the following course: Horticultural crops in the Mediterranean.

He is reviewer in several high quality journals. He is author of 50 papers published on refereed international journals and on congress proceedings.