

SIMONA CONSOLI

SHORT CURRICULUM VITAE

Born Catania, 8.06.1973

Present rank Associate professor of Hydraulic - Agricultural Faculty of Catania

Degree 110/110 cum laude 1998, University of Catania - Civil Engineering (Hydraulic)

Highest degree PhD, 2003, University of Catania

Academic position and Activities

- Associate Professor of Hydraulic since 2010 at the University of Catania (Italy).
- Researcher from 2006 to 2010 at the University of Catania (Italy).
- April-June 1998 – Colorado State University
- April 2004 - September 2004 - UC Davis Department of Land Air and Water Resources
- Member of IWA (International Water Association) from 2003
- Member of AIIA (Associazione Italiana di Ingegneria Agraria) from 2006
- Member of AIAM (Associazione Italiana di Agrometeorologia) from 2011
- Fiel editor (micrometeorology) for the Italian Journal of Agrometeorology

Responsability of National and International research projects:

- **Italia-Malta Research Project** (2011-2013). “Potential pollution diffusion in groundwater resources”
- **PRIN** (National Revelant Project” (2010-2012). “Application of the integrated approach surface renewal-energy balance to evaluate evapotranspiration provesses”;
- **PON** (Mational Operating Project) (2007-2013) “Biodegradable irrigation systems for wastewater reuse in agriculture”
- **Regional project** (2011-2012) “Sicilian soil characterization by using pedotransfer functions”.

Research field

Main research interest is focused on crop water requirements and crop coefficient evaluation in semi-arid areas by adopting energy balance and micrometeorological techniques (surface renewal, eddy covariance and aerodynamic methods). The research activities also include the use of satellite remote sensing combined with energy balance techniques to schedule irrigation management on wide spatial scale (public *Consortia*). The research interest is also focused on wastewater reuse in agriculture and the design and operation of natural wastewater treatment plant (storage reservoir and constructed wetlands). Author of more than 90 papers on the aforementioned topics.