

# PhD theses in the Land and Water Resources Sector

## in collaboration with Italian Universities

**2000-2003:** Development of an integrated tool for the analysis of irrigation systems under water scarcity conditions. *University of Bari*. **Roula Khadra (Lebanon)** Supervisors: Prof. P. Rubino and Dr. N. Lamaddalena

**2000-2003:** Development of an economic model for optimal water allocation. *University of Bari*. **Filomena De Gennaro (Italy)** Supervisors: Prof. A. Caliandro and Dr. N. Lamaddalena

**2001-2004:** Optimal water resources allocation: Modelling approach. *Polytechnic of Bari*. **Roberta Rana (Italy)** Supervisors: Prof. U. Fratino, Prof. A. Castorani, in collaboration with Dr. N. Lamaddalena

**2003-2006:** Effect of irrigation with saline water and nitrogen management on sugar beet production. *University of Bari*. **Aly Adel Zeinhom Sayed Salama (Egypt)** Supervisors: Prof. A. Caliandro and Prof. A. Hamdy

**2004-2008:** Hydraulic interaction between on-farm and collective irrigation systems. *Polytechnic of Bari*. **André Daccache (Lebanon)** Supervisors: Prof. U. Fratino and Dr. N. Lamaddalena

**2005-2008:** Integrated water resources management under uncertainty. *University of Bari*. **Daniela D'Agostino (Italy)** Supervisors: Prof. G. Trisorio Liuzzi and Dr. N. Lamaddalena

**2005-2008:** Crop growth modeling in Mediterranean agriculture. *University of Bari*. **Marie Therese Abi Saab (Lebanon)** Supervisors: Prof. A. Caliandro, Dr. M. Todorovic and Dr. N. Lamaddalena

**2006-2009:** Crop systems, forestry and Environmental Sciences. *University of Basilicata*. **Samar Hassan (Syria)** Supervisors: Prof. A. Coppola and Dr. N. Lamaddalena

**2008-2011:** Climate change: stochastic-non-stationary processes. *University of Basilicata*. **Abderraouf El Ferchichi (Tunisia)** Supervisors: Prof. V. Telesca and Dr. N. Lamaddalena

**2006-2010:** Irrigation water management and policy on farm decision: the case study of the renana irrigation board. *University of Bologna*. **El Chami Daniel (Lebanon)** Supervisors: Prof. G. Malorgio and Dott. Scardigno

**2010 (in progress):** Optimisation of Irrigation Networks with Reliability Criteria (in progress). *Polytechnic of Bari*. **Tlili Youssef (Tunisia)** Supervisors: Prof. U. Fratino and Dr. N. Lamaddalena

**2012 (in progress):** Advanced technologies for waste water treatment plants (in progress). *IRSA-CNR and University of Naples 'Parthenope'*. **Ramy Saliba (Lebanon)**  
Supervisors: L. al Bitar, N. Lamaddalena and A. Pollice

**2013 (in progress):** Soil electromagnetic parameters assessment and their variation with soil water, salts, and non-aqueous phase liquid content (NAPL): Comparison among different geophysical measuring methods: Time Domain Reflectometry (TDR) technique, Electrical Resistivity Tomography (ERT), and Electromagnetic Induction Methods (EMI). (in progress). *University of Basilicata*. **Chaali Nesrine (Tunisia)**  
Supervisors: Dr. Eng. A. Comegna and Dr. Eng. N. Lamaddalena

### **in collaboration with Foreign Universities**

**2000-2003:** Projecto e Análise do Funcionamento de Redes de Rega em Pressão. Modelação da Procura. Dois Casos de Estudo: Lucefecit e Vigia. *Universidade Técnica de Lisboa*. **Calejo Maria Joao (Portugal)**

**2002-2005:** Hydraulic, Energetic Analysis and Optimization of Pressurized Irrigation Networks. *University of Castilla la Mancha*. **Miguel Angel Moreno Hidalgo (Spain)**  
Supervisors: Prof. J. M. Tarquelo in collaboration with Dr. N. Lamaddalena

**2006-2010:** Development of a methodology for diagnosis and simulation of operation in large-scale pressurized irrigation systems. *Utah State University (USA)*. **Daniele Zaccaria (Italy)** Supervisors : Prof. Christopher M.U. Neale and Dr. N. Lamaddalena

**2010 (in progress):** Crop trees grown modelling. *University of Castilla-la-Mancha*. **Enrico Nerilli (Italy)** Supervisors: Prof. Neri Zapata and Dr. N. Lamaddalena, (in progress)