



## **Giovanni Nieddu**

Born on 14/10/1957 in Nuoro, Italy

### **Education and Training**

Graduated in Agricultural Sciences at the University of Sassari; won several grants for attending post-graduation courses in Italy and abroad;

### **Academic Positions**

- Full Professor at University of Sassari, since 2011;
- Associate professor at University of Sassari from 2000 to 2011
- Researcher at University of Sassari from 1990 to 2000 area SSD AGR 03 (Arboriculture and Fruticulture)
- Researcher of the Institute ISBCAM of the National Research Council (CNR) from 1986 to 1990

**Teaching activity:** Educational and scientific responsible for the subjects of Viticulture, Arboriculture, Fruticulture, Nursery Techniques, Arboriculture and Forestry Ecophysiology; President of the graduation course in Viticulture, Oenological and Food Technologies at the Oristano branch of the University of Sassari; Organizing and giving lectures in International Master courses in Viticulture ad Oenology; Supervisor of several PhD thesis and Speaker at various National and international conferences in different countries; coordinator of the section of the agricultural department of the University of Sassari, which includes 18 researchers from the arboriculture, botany and economics sectors.

**Scientific activity:** Member of the ISHS (International Society of Horticultural Science), the GREMPA (Groupe de Recherches et d'Etudes pour le méditerranéen pistachier et amandier), the SOI (Italian Horticultural Society) and the International Network on Cactus Pear coordinated by FAO. In the latter organization, comprising over 35 countries on four continents, Prof. Nieddu was responsible of the working group "Fruit production", from 2000 to 2010. The research activity is documented by 46 scientific publications surveyed by Scopus (HI 10), the responsibility of operating units in national projects funded by the Ministry of Education, the national coordination of projects Mipaf (Phenagi), the participation in EU projects and international project cooperation with Developing countries and with Latin America and the coordination of projects founded by Sardinian Region on basic research and applied research, carried out in collaboration with several companies of the vine-growing and wine-making sector. He is author of over 150 scientific works including conference papers and book chapters on various aspects such as the phenology and ripening of fruit tree, plant water relations and enhancement of genetic resources.

In the last decade his work has focused on the measurement of plant components linked to water stress using in vivo approaches (microdialysis, primary photochemistry and accumulation of foliar pigments - ie chlorophyll, anthocyanins, flavonols and nitrogen balance), gas exchange leaf) and on the study and modeling of their relationships with high temperatures and levels of UV radiation. Mainly on grapes, current studies are oriented to the crown structure and spectral reflectance to support precision agriculture and field phenotyping applications.