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PROF. Vitale NUZZO

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**CURRICULUM SCIENTIFICO** (Synthesis of the curricular experiences): Vitale NUZZO is an agronomist working as an associate professor at the University of Basilicata, Department of the "Culture Europee e del Mediterraneo: Architettura, Ambiente, Patrimoni Culturali". He spent several period abroad: Center for Agrobiological Research - CABO of Wageningen (NL), The Winand Staring Center - ICW of Wageningen (NL), the Institute of Ecology and Resources Management of Edimburgh University (Scotland) and the Department of Viticulture and Enology of California University of Davis (USA). He is actually carrying out teaching and research activity on viticulture and pomology. Since 2000-01 academic year he is teaching ampelography and grapevine physiology.



His research activity is largely directed in understanding how cultivated plants (mainly grapevine) and fruit composition respond to temperature, water and solar radiation availability. In particular he is interested in creating knowledge on water use and water requirements, and on how training and trellis systems interact with interception and utilization of solar radiation and fruit temperature. His long term research aims are to contribute to improve the use of water and of solar radiation in viticulture and fruit trees production and to study the physiological mechanism by which plant respond to these resources availability. He was member of different scientific committee in national and international symposia. He was convener of the ISHS workshop on 'Advances in Grape and Wine Research' and editor of the volume 754 *Acta Horticulturae*. The scientific production is made of 130 papers published on various national and international journal and congress proceedings (h=10,00 2002-2015 years). He is actually responsible of four Long Life Erasmus Programmes (INP-Toulouse; University of Reims; University of Brno – Lednice; Technological Educational Institute of Ionian Islands of Cephalonia).

#### **Main Publications 2010-2015**

- Lardo E., Palese A.M., Nuzzo V., Xiloyannis C., Celano G., 2015. Variability of total soil respiration in a Mediterranean vineyard. *Soil Research*, 53: 531-541.
- Montanaro G., Dichio B., Lang A., Mininni A.N., Nuzzo V., Clearwater M.J., Xiloyannis C., 2014. Internal versus external control of calcium nutrition in kiwifruit. *J. Plant Nutr. Soil Sc.* 177: 819-830.
- Sofo A., Scopa A., Manfra M., De Nisco M., Tenore G.C., Nuzzo V., 2013. Different water and light regimes affect ionome composition in grapevine (*Vitis vinifera* L.). *Vitis* 52(1): 13-20.
- Giorio P., Nuzzo V., Guida G., Albrizio R., 2012. Black leaf-clips of a commercial fluorometer increased leaf temperature during dark adaptation under high solar radiation. *Photosynthetica* 50 (3): 467-471.
- Sofo A., Nuzzo V., Tataranni G., Manfra M., De Nisco M., Scopa A., 2012. Berry morphology and composition in irrigated and non-irrigated grapevine (*Vitis vinifera* L.). *Journal of Plant Physiology* 169: 1023-1031.
- Giorio P., Nuzzo V., 2012. Leaf area, light environment, and gas exchange in Montepulciano grapevines trained to Tendone trellising system. *Plant Biosystems*, 1-12.
- Manfra M., De Nisco M., Bolognese A., Nuzzo V., Sofo A., Scopa A., Santi L., Gian Carlo Tenore G.C., Novellino E., 2011. Anthocyanin composition and extractability in berry skin and wine of *Vitis vinifera* L. cv. Aglianico. *J Sci Food Agric.*, DOI 10.1002/jsfa.4517.
- Attia F., Garcia F., Ben Mariem F., Nuzzo V., Dedieu F., M. Garcia M. and Lamaze T., 2011. Water stress in Tannat and Duras grapevine cultivars (*Vitis vinifera* L.): Leaf photosynthesis and grape phenolic maturity. *J. Int. Sci. Vigne Vin*, 81-93.
- Jeandet P., Delaunois B., Conreux A., Donnez D., Nuzzo V., Cordelier S., Clément C., and Courot E., 2010. Biosynthesis, metabolism, molecular engineering, and biological functions of stilbene phytoalexins in plants. *BioFactors*, 331-341.
- Palese A.M., Nuzzo V., Favati F., Pietrafesa A., Celano G., Xiloyannis C., 2010. Effects of water deficit on the vegetative response, yield and oil quality of olive trees (*Olea europaea* L., cv Coratina) grown under intensive cultivation. *Scientia Horticulturae* 125: 222-229.

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Università degli Studi della Basilicata  
Dipartimento delle Culture Europee e del Mediterraneo:  
Architettura, Ambiente, Patrimoni culturali (DiCEM)

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Settore Scientifico Disciplinare: AGR/03 Arboricoltura Generale e Coltivazioni Arboree

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ORARIO E SEDE DI RICEVIMENTO:

Lunedì': 14:30 – 16:30                      presso studio del Docente in via A.M. Di Francia  
Mercoledì': 10:30 – 12:30                presso studio del Docente in via A.M. Di Francia

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