

Short Curriculum vitae

Ivana Puglisi obtained a degree in “Food Science and Technology” in 1999 at University of Catania, (Title of the thesis: “Characterization of "lettucine" a serine-like protease: cations in the dairy industry") and a Ph. D. in “Agricultural Chemistry” (Title of the thesis: " Cloning, sequence and expression of structural genes involved in the biosynthetic pathway of anthocyanins in blood oranges flesh (*Citrus sinensis* (L.) Osbeck, Moro): dihydroflavonol 4-reductase (DFR)") in 2003. In her Ph. D. work she studied the biosynthetic pathway of anthocyanins in blood oranges flesh.

Dr. Ivana Puglisi is a grant researcher at University of Catania and she was professor of “Soil fertility and plant nutrition” (2006-2009), “Food and human nutrition” (2009-2010) and “Biochemistry and secondary metabolism” (2010-2012) at University of Catania.

She is author and co-author of 24 international publications, 21 abstract and 309 sequences published on genbank database. In Scopus data base Dr. Ivana Puglisi reaches 323 total citations and an h-index of 9.

Main Research lines: biosynthetic pathway of anthocyanins, purification and characterization of milk-clotting enzymes, studies of genes expression under different stresses, bioremediation using fungi such as *Trichoderma harzianum*, study of pathogens oomycetes such as *Phytophthora* spp.

Recent publications in last 3 years:

1. PANE A., GRANATA G., CACCIOLA S. O., PUGLISI I., EVOLI M., ALOI F., LA SPADA F., MAGNANO DI SAN LIO G., ZAMBOUNIS A. First Report of root rot of White Mulberry Caused by Simultaneous Infections of *Phytophthora megasperma* and *P. multivora* in Italy. Plant Disease, doi: <http://dx.doi.org/10.1094/PDIS-07-16-0993-PDN>.

2. LO CICERO L., PUGLISI I., NICOLOSI E., GENTILE A., FERLITO F., CONTINELLA A., LO PIERO A.R. Anthocyanin levels and expression analysis of biosynthesis-related genes during ripening of Sicilian and international grape berries subjected to leaf removal and water deficit. Journal of Agricultural Science and Technology, 18, (6): 2016.

3. GARIBALDI A., GILARDI G., PUGLISI I., CACCIOLA S. O., GULLINO M. L. First Report of Leaf Spot Caused by *Colletotrichum kahawae* on Cultivated Rocket (*Eruca sativa*) in Italy. Plant Disease 100, (6): 1240, 2016.

4. GIANNONE V., LAURO M.R., SPINA A., PASQUALONE A., AUDITORE L., PUGLISI I., PUGLISI G. A novel α -amylase-lipase formulation as anti-staling agent in durum wheat bread. LWT - Food Science and Technology, 65: 381-389, 2016.

5. CACCIOLA S.O., PUGLISI I., FAEDDA R. , SANZARO V., PANE A., LO PIERO A.R., EVOLI M., PETRONE G. Cadmium induces cadmium-tolerant gene expression in the filamentous fungus *Trichoderma harzianum*. Molecular Biology Reports, 42, (11): 1559-1570, 2015.

6. PUGLISI I., PETRONE G, LO PIERO AR. A kiwi juice aqueous solution as coagulant of bovine milk and its potential in Mozzarella cheese manufacture. Food and Bioproducts Processing, 92 (1): 67–72, 2014.
7. LO PIERO A.R., LO CICERO L., PUGLISI I. The metabolic fate of citric acid as affected by cold storage in blood oranges. journal of Plant Biochemistry and Biotechnology, 23 (2): 161-166, 2014.