

# SHORT CURRICULUM VITAE TULLIO VENDITTI



## PERSONAL INFORMATION

Surname, Name **VENDITTI, TULLIO**  
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Website  
ORCID 0000-0001-5303-2055  
Nationality **Italian**  
Date and Place of birth **30.09.1959 Sassari**  
Cellular

## WORK EXPERIENCE

Period **2001 – TO DATE**  
Name and address of employer Italian National Research Council (CNR)  
Type of business or sector Public research institution  
Occupation or position held Researcher at the Institute of Sciences of Food Production (ISPA) - Sassari  
Main activities or responsibilities The research activity deals with the following topics:

- Postharvest technological processes in keeping food quality, with the use of GRAS (Generally Recognized As Safe) compounds, natural products such as essential oils or other plant extracts and physical methods (curing, thermotherapy, UV-C).
- Host-pathogen interactions. Study of cell wall degrading enzymes and cell wall degradation products.
- Second generation bioethanol production.

Energy manager of the CNR Research Area of Sassari.  
Planner for the construction of a photovoltaic plant in the CNR Research Area of Sassari. € 1.003000.  
Planner for the renovation of the buildings of CNR Research Area of Sassari.  
Director of works for the renovation of the buildings of CNR Research Area of Sassari.  
8899

Personal registration number

Period **1998 – 2000**  
Name and address of employer Sardinian Forestry Service  
Type of business or sector Regional Institution for forestation and woodlands conservation  
Occupation or position held Director of works  
Main activities or responsibilities Realization of an arboretum

## EDUCATION AND TRAINING

Period July – August 1995  
Name and type of organization providing education School of Horticulture, Royal Botanic Gardens Kew London

Principal subjects / skills covered	Botanic Gardens Management course
Title of qualification awarded	Awarded "B" International Diploma in Botanic Garden Management
Period	1987 - 1988
Name and type of organization providing education	SOGEA – University of Genoa
Principal subjects / skills covered	Master in general management – 1 year course
Title of qualification awarded	Awarded "A" with excellence
Period	1987 - 1988
Name and type of organization providing education	University of Sassari Faculty of Agricultural Sciences
Principal subjects / skills covered	Agricultural Sciences
Title of qualification awarded	Degree in Agricultural Sciences - Qualification to practice the profession of agronomist

NATIVE LANGUAGE **Italian**

OTHER LANGUAGES

**ENGLISH**

Reading good

Writing good

Talking good

**Spanish**

Reading good

Writing basic

Talking basic

## TRAINING

June – July 2011 Research activity at the Department of Plant Sciences - University of California, Davis (USA). Supervisor: Prof. John Labavitch. Program: Influence of NaHCO<sub>3</sub> treatments on the temporal sequence of cell wall-degrading enzymes (CWDEs) and degradation products from the albedo of citrus fruits as a result of the infection of *P. digitatum* and *P. italicum*.

June – July 2005 CNR Short Term Mobility at the Department of Plant Sciences - University of California Davis (USA). Supervisor: Prof. John Labavitch. Research activity program: Degradation products of the albedo of citrus fruit following infection of *Penicillium italicum* e *Penicillium digitatum*.

## ORGANIZATIONAL CAPACITY

Coordinator, for the ISPA research unit, of the project: "Study of the interactions between plants and rhizosphere microorganisms in sandy coastal habitats of the island and the gulf of Asinara and chemical characterization of pollutants in marine sediments." € 160,000.

Coordinator, for the ISPA research unit, of the project: "Searching for pollutants of animal and plant species in areas of the Sardinian territory considered at risk and environmental examination of the possible consequences of the food chain". € 320,000.

Project reviewer for the National Research Foundation (NRF) - University of South Africa.

Planner for the arrangement of green areas and outdoor spaces of the CNR Research Area of Sassari.

## Research Activities

Postharvest technological processes in keeping food quality. Researches focus on the use of new environment friendly technologies, with no risk for consumers and low impact for the environment. The objective is the reduction of toxic fungicide residues and the selection of resistant pathogen strains. With this aim are adopted methodologies that involve the use of GRAS (Generally Recognized As Safe) compounds, natural products such as essential oils or other plant extracts and physical methods (curing, thermotherapy, UV-C).

Host-pathogen interactions. The aim is the study of the influence of postharvest treatments on the production of cell wall degrading enzymes by the pathogens and plant cell walls degradation products.

Optimization of biological pre-treatment of lignocellulosic biomass, for second generation bioethanol production.

## Teaching Activities

He supervised thesis and hosted several students at the ISPA labs.

He acted as a tutor for education and training of scholarship holders.

He made several speeches and presentations at national and international congresses.

He taught general and systematic botany at the Faculty of Agricultural Sciences, University of Sassari.

## Publications

17 Articles in International Scientific Journals (ISI)

44 Articles in National or not ISI Scientific Journals

Signature

A handwritten signature in blue ink, appearing to read 'Tullio Venditti', written over a light blue grid background.

Date

April 2020

## Selected publications of the last 5 years

1. Danzi D., Ladu G., Veltkamp Prieto C., Garitas Bullon A., Petretto G.L., Fancello F. and Venditti T., 2020. Antifungal activity *in vitro* and *on food* of the essential oil extracted from pompia (*Citrus limon* var. *pompia*) leaves against *Penicillium digitatum* applied by vapor contact. *Journal of the Science of Food and Agriculture – on line*. doi.org/10.1002/jsfa10394.
2. Fancello F., Petretto G.L., Marceddu S., Venditti T., Pintore G., Zara G., Mannazzu I., Budroni M., Zara S., 2020. Antimicrobial activity of gaseous *Citrus limon* var *pompia* leaf essential oil against *Listeria monocytogenes* on ricotta salata cheese. *Food Microbiology* 87 – *on line*. doi.org/10.1016/j.fm.2019.103386.
3. Venditti T., D'hallewin G., Ladu G., Petretto G.L., Pintore G, Labavitch J.M., 2018. Effect of NaHCO<sub>3</sub> treatments on the activity of cell-wall-degrading enzymes produced by *Penicillium digitatum* during the pathogenesis process on grapefruit. *Journal of the Science of Food and Agriculture* 98 (13): 4928-4936. doi.org/10.1002/jsfa.9025.
4. Venditti T Ladu G., Cubaiu L., Myronycheva O., D'hallewin G., 2017. Repeated treatments with acetic acid vapors during storage preserve table grapes fruit quality. *Postharvest biology and technology* 125: 91-98. doi.org/10.1016/j.postharvbio.2016.11.010.
5. Ladu G., Cubaiu L., D'hallewin G., Pintore G., Petretto G.L. and Venditti T., 2015. *Rosmarinus officinalis* L. and *Myrtus communis* L. Essential Oils Treatments by Vapor Contact to Control *Penicillium digitatum*. *Journal of Food Processing and Technology*. 6:9: 1-7. doi.org/10.4172/2157-7110.1000492.