



# FILIPPOS VERVERIDIS

## CURRICULUM VITAE

(February, 2020)

### POSITION

Professor of Plant Biochemistry & Biotechnology,  
Hellenic Mediterranean University (HMU) - Crete

### PERSONAL DATA

**Name Surname:** - FILIPPOS VERVERIDIS

**Middle name** - NIKOLAOS

#### **Working Address:**

Laboratory of Biological & Biotechnological Applications (LBBA), Plant Biochemistry & Biotechnology Lab group (PBBL),  
Department of Agriculture,  
School of Agricultural Sciences,  
University Farm of HMU,  
*Hellenic Mediterranean University,*  
Stavromenos, GR71404 Heraklion -  
Crete, Greece

#### **Postal Working Address:**

Laboratory of Biological & Biotechnological Applications (LBBA),  
Plant Biochemistry & Biotechnology  
Lab group (PBBL),  
Department of Agriculture,  
School of Agricultural Sciences,  
*Hellenic Mediterranean University,*  
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▪ [https://scholar.google.co.uk/citations?hl=en&user=fUZ\\_6dIAAAAJ](https://scholar.google.co.uk/citations?hl=en&user=fUZ_6dIAAAAJ) (**h-index** - 16)

**Date & Place of Birth:** - 11-Jan-1963. Komotini, Rodopi - Thrace, Greece

**Family Status:** - Two children.

## SUMMARY OF WORKING EXPERIENCE – EDUCATIONAL & CAREER DATA

*High level managerial positions are indicated by bold typing*

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- 1980–1985 - BSc Degree in the Science of Agriculture, Aristotle University of Thessaloniki (AUTH), Thessaloniki, Greece.
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- 1984–1987 - Research Assistant, Laboratory of Pomology and Postharvest Science Aristotle University of Thessaloniki (AUTH), Thessaloniki, Greece.
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- 1987-1991 - PhD Diploma, University of Reading, United Kingdom (U.K.), (Greek State Scholarship [I.K.Y. Greek acronym] Scholar).
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- 1989 (3month) - Visiting Research Scholar at the Laboratory of Postharvest Molecular Physiology & Biotechnology – Research Group of Professor Jean-Claude Pech, National Institute of Agronomy of Toulouse (ENSAT - Ecole Nationale Supérieure. Agronomique de *Toulouse*), France.
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- 1990-1991 - President of Postgraduate Club Students Union of School of Plant Sciences, University of Reading, U.K.. Organizer and Host Introducer of Postgraduate Seminars of the School.
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- 1991 - Postdoctoral Research Scholar, Department of Agricultural Botany, University of Reading, UK. (Group Leader Prof. Philip John).
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- 1992-1993 - Military Duty, Greece.
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- 1993-1995 - Postdoctoral Research Scholar, Department of Horticulture (Laboratory of Postharvest Physiology & Technology) Michigan State University, USA. (Group Leader Prof. David Dilley).
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- 1996-1998 - Postdoctoral Research Scholar, Institute of Molecular Biology & Biotechnology (IMBB), Foundation of Research & Technology, Heraklion - Crete, Greece. (Group Leader Prof. Nicholas Panopoulos).
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- 1998 – 2001 - Assistant Professor of Plant Biochemistry & Biotechnology, Department of Agriculture (previously named - Crop Sciences), School of Agriculture, Food & Nutrition (previously named - Agricultural Technology), TEI - Crete, Greece.
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- 7/2000-6/2003 - Head of Division of Biology Courses & Plant Protection, Department of Agriculture (previously named - Crop Sciences), School of Agriculture, Food & Nutrition (previously named - Agricultural Technology), TEI - Crete, Greece.
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- 06/2001- 07/2004 - Associate Professor (Tenure-track) of Plant Biochemistry & Biotechnology, Department of Agriculture (previously named - Crop Sciences), School of Agriculture, Food & Nutrition (previously named - Agricultural Technology), TEI - Crete, Greece (Ministry of Education Law Act 2598/2001).
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- 09/2002-09/2006 - **Head of Department of Agriculture (previously named - Crop Sciences)**, School of Agriculture, Food & Nutrition (previously named - Agricultural Technology), TEI – Crete, Greece (Two Tenures).
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- 07/2004 – Today - **Professor (full tenure) of Plant Biochemistry & Biotechnology**, Department of Agriculture (previously named - Crop Sciences), School of Agriculture, Food & Nutrition (previously named - Agricultural Technology), TEI - Crete, Greece (Ministry of Education Law Acts 2598/2001, 2916/2001).
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- 09/2008 - 10/2009 - **Associate Director of Centre for Technological Research of Crete (CTR-Crete)**, Greece (Government Statement (FEK) 299/July 2009) and Member of Scientific Board.
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- 10/2009 - 12/2012 - **Acting Director of CTR-Crete** (State appointment pending) due to resignation of the previously appointed Director. Member of Scientific Board of Centre for Technological Research of Crete (CTR-Crete), Greece.
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- 01/2013 - Today - **Director of CTR-Crete** (Government Statement (FEK) 28/January 2013) and Member of Scientific Board of Centre for Technological Research of Crete (CTR-Crete), Greece.
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- 09/2009- 08/2013 - Head of Division of Biology Courses & Plant Protection, Department of Agriculture (previously named - Crop Sciences), School of Agriculture, Food &

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Nutrition (previously named - Agricultural Technology), TEI - Crete, Greece (now Reformed to Hellenic Mediterranean University).

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09/2014 – 08/2018 - **Dean /Head of School of Agriculture, Food & Nutrition**, TEI - Crete, Greece. (Government Statement (FEK) 551/ 10-09-2014).

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09/2018 – 05/2019 - **Dean /Head of School of Agriculture, Food & Nutrition**, TEI - Crete, Greece. (Government Statement (FEK) 372/ 02-07-2018). 2<sup>nd</sup> Tenure.

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05/2019 – 08/2022 - **Dean /Head of School of Agricultural Sciences (S.AGRIS.)**, Hellenic Mediterranean University (Law Act **4610/ 2019**) 3<sup>rd</sup> Tenure.

## EDUCATION

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Oct 2012-Dec 2016 - Training (4yr course) in **Non-Directive Intervention (N.D.I.)** approach that inspired my work both in the field of psychotherapy and in education. By the NDI founder Emeritus Prof. Michel Lobrot (U. PARIS VIII, Dept. Sciences de l' Education), Influenced by Carl Rogers' Person-Centred Approach (Deceased 2019).

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1996-1998 - Postdoctoral Research Scholar, Institute of Molecular Biology & Biotechnology (IMBB), Foundation of Research & Technology, Heraklion - Crete, Greece (Prof. Nicolas Panopoulos Lab).

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1993-1995 - Postdoctoral Research Scholar, Department of Horticulture (Laboratory of Postharvest Physiology & Technology) Michigan State University, USA (Prof. David R. Dille Lab).

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1991 - Postdoctoral Research Scholar, Department of Agricultural Botany, University of Reading, UK. (Group Leader Prof. Philip John).

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1987-1991 - PhD Diploma (Postharvest Biochemistry & Biotechnology of Horticultural commodities), Department of Agricultural Botany, University of Reading, UK. (Prof. Philip John Lab).

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1980 – 1986 - BSc Degree (5yrs Studies) in the Science of Agriculture, School of Agriculture, Aristotle University of Thessaloniki (AUTH), Thessaloniki, Greece.

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- Undergraduate Degree Dissertation & Practical Training in “*Eucalyptus* Tissue Culture” (Collaboration with Prof. A. Economou).

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1974 – 1980 - 1<sup>st</sup> High School of Komotini, Rodopi – Thrace, Greece.

## RESEARCH WORK

### - A. RESEARCH EXPERIENCE:

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1998 – Today. - Organization and Direction of **Research Laboratory of Biological & Biotechnological Applications (LBBA)**, and the **Plant Biochemistry & Biotechnology Lab group (PBBL)**, Department of Agriculture (previously named - Crop Sciences), School of Agricultural Sciences, (previously named “Agriculture, Food & Nutrition” or “Agricultural Technology”) of Hellenic Mediterranean University (former TEI – Crete). The Research Group under my supervision consists of Postdoctoral Research Associates and Postgraduate Students (studying for PhD or Master dissertation) supported by competitive research programs.

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May 2008 - Visiting Professor to the Research Laboratory of Professor Mattheos Koffas (Department of Chemical and Biological Engineering) State Univ. of New York at Buffalo, USA. (Today, Associate Professor of Biology, Rensselaer Polytechnic Institute, NY, USA).

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01/1996- 01/1998 - Postdoctoral Research Scholar, Institute of Molecular Biology & Biotechnology (IMBB), Foundation of Research & Technology, Heraklion - Crete, Greece.

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08/1993-11/1995 - Postdoctoral Research Associate Scholar to the Research Group of Postharvest Physiology & Biotechnology of Professor David R. Dille, Department of Horticulture, Michigan State University, USA.

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Apr. - Dec. 1991 - Postdoctoral Research Associate Scholar to the Department of Agricultural Botany, Plant Sciences School, University of Reading, UK. (Group Leader Prof. Philip John).

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1987 - 1991 - Postgraduate (PhD) Studies, Department of Agricultural Botany, Plant Sciences School, University of Reading, UK. (Supervising Prof. Philip John).

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11/1985- 05/1987 - Research Assistant, Laboratory of Pomology and Postharvest Science, at the Research Group of Professor E. M. Sfakiotakis Aristotle University of Thessaloniki (AUTH), Thessaloniki, Greece.

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10/1984- 06/1985 - Part time working student during my undergraduate studies as research assistant in research projects of Pomology and Postharvest Science, at the Research Group of Professor E. M. Sfakiotakis Aristotle University of Thessaloniki (AUTH), Thessaloniki, Greece.

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## **- B. PARTICIPATION IN RESEARCH PROJECTS:**

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### **B1. BASIC AND APPLIED RESEARCH**

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**2018-2020 - THE ROUTES OF GRAPEVINES:** FLAGSHIP RANGE NATIONAL ACTION.

- Participating Groups: Vine-Wine Technology Group and the Group of Plant Biochemistry and Biotechnology at “WP 1: Sub WP 1: Genetics and Genomics, SubWP2: Chemical-Organoleptic Characterization of Varieties - Biosynthetic Pathways - Vinification, SubWP 3: Plant Protection - Microbiome”. **Role** as: Principal Investigator and Project Coordinator of HMU Team, **Duration:** 24 months, **Total Budget of Action:** 2.500.000 €. **HMU-Budget:** 135.889€. **Sponsor:** ESPA, **Collaborating Institutes:** α) **Hellenic Mediterranean University, School of Agricultural Sciences**, β) Aristotle University of Thessaloniki (Coordinating Institute), γ) NAGREF/ELGO -DEMETRE, δ) Foundation for Research and Technology, ε) Agricultural University of Athens, στ) Center for Research and Technological Development, ζ) University Thessaly, η) Technical University of Crete, θ) Democritus University of Thrace, ι) University of Western Attica, κ) University of Crete λ) Benaki Phytopathological Institute.

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**2018-2020 - THE ROUTES OF OLIVE:** FLAGSHIP RANGE NATIONAL ACTION.

- Participating Group: Plant Biochemistry and Biotechnology Group at “WP 3: Quality & Authenticity of Final Olive Products (Edible olives & Olive Oil) - Nutrition and Health Claims”. **Role** as: Principal Investigator and Project Coordinator of HMU Team, **Duration:** 24 months, **Total Budget of Action:** 3.090.940 €. **HMU-Budget:** 93.026 €. **Sponsor:** ESPA, **Collaborating Institutes:** α) **Hellenic Mediterranean University, School of Agricultural Sciences**, β) Aristotle University of Thessaloniki (Coordinating Institute), γ) NAGREF/ELGO -DEMETRE, δ) Foundation for Research and Technology, ε) Mediterranean Agronomic Institute of Chania, στ) University of Patras, ζ) National Kapodistrian University of Athens, η) Biomedical Sciences Research Center "Alexander Fleming", θ) Agricultural University of Athens, ι) Center for Research and Technological Development, κ) University of Thessaly, λ) Benaki Phytopathological Institute μ) Single Food Control Agency (EFET).

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**2018-2020 - THE ROUTES OF BEE:** FLAGSHIP RANGE NATIONAL ACTION.

- Participating Group: Food Quality and Safety Group and the Group of Plant Biochemistry and Biotechnology at “WP 1: Identification - Promotion of the Greek Honey”. **Role** as: Principal Investigator of HMU Team, **Duration:** 24 months, **Total Budget of Action:** 1.360.784 €. **HMU-Budget:** 93.026 €. **Χορηγός:** Υ.Π.Ε.Θ., **Συνεργαζόμενα Ιδρύματα:** **Sponsor:** ESPA, **Collaborating Institutes:** α) **Hellenic Mediterranean University, School of Agricultural Sciences**, β) Aristotle University of Thessaloniki (Coordinating Institute), γ) Agricultural University of Athens, δ) NAGREF/ELGO -DEMETRE, ε) National Kapodistrian University of Athens, στ) Mediterranean Agronomic Institute of Chania, ζ) University of the Aegean, η) University of Thessaly, θ) University of Patras.

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**NATIONAL ACTION: "RESEARCH-CREATIVE-INNOVATIVE" - "COMPETITIVENESS, ENTREPRENEURSHIP & INNOVATION" (EPANEK)**

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**INNOVA-PROTECT** - “Innovative plant protection technologies for quarantine pathogens of Xanthomonadaceae family utilizing tools of Optoacoustic and Molecular Biology”. **Funding code:** T1EDK-01878. **Role** as: Principal Investigator and **Project Coordinator**, **Duration:** 36 months (06/2018-06/2021), **Total Budget of Consortium:** 999.342,5 €. **HMU-Budget:** 264.566€. **Sponsor:** EPANEK/ ESPA 2014-2020, **Collaborating Institutes:** α) Hellenic Mediterranean University, School of Agricultural Sciences, Lab of Biological & Biotechnological Applications (Coordinating Institute), β) Institute of Molecular Biology & Biotechnology - Foundation for Research and Technology, and γ) Institute of Electronic Structure & Laser - Foundation for Research and Technology, **Collaborating Private companies:** α) PHARMAGNOSE, β) RHODOLAND, and γ) AGROCHEMICALS S.A..

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**NATIONAL ACTION: "RESEARCH-CREATIVE-INNOVATIVE" - "COMPETITIVENESS, ENTREPRENEURSHIP & INNOVATION" (EPANEK)**

**ANTIOX-PLUS** - “Innovative Biotechnological Production of Antioxidant Products of Plant Origin from Microbial Factories, and Essential Oils from Natural Flora of the Greek Flora for the Creation of New Quality Health-Protective Products and Nutritional Supplements”. **Funding code:** T1EDK -04267. **Role** as: Principal Investigator, **Duration:** 36 months (06/2018-06/2021), **Total Budget of Consortium:** 999.762,5 €. **HMU-Budget:** 234.437€. **Sponsor:** EPANEK/ ESPA 2014-2020, **Collaborating Institutes:** α) Hellenic Mediterranean University, School of Agricultural Sciences, Lab of Biological & Biotechnological Applications, β) Agricultural University of Athens, γ) University of Ioannina/ Department of Medicine (Coordinating Institute), and γ) National Kapodistrian University of Athens/ Department of Pharmacy, Division of Pharmacognosy and Chemistry of Natural Products. **Collaborating Private companies:** α) APIGAIA S.A. - Production and Trading Company for Medicinal and Aromatic Plants and Beekeeping and Alternative Tourism Products, β), STRATIS - Strategic Actions & Information Society Ltd and γ) Western Greece Development Institute (INADE).

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**NATIONAL ACTION: "RESEARCH-CREATIVE-INNOVATIVE" - "COMPETITIVENESS, ENTREPRENEURSHIP & INNOVATION" (EPANEK)**

**OINOFASMA** - “Application of innovative optical methods on the improvement of the quality of Greek wine through recording and control of vinification parameters”. **Funding code:** T1EDK -04125. **Role** as: Principal Investigator, **Duration:** 36 months (06/2018-05/2021), **Total Budget of Consortium:** 802.860 €. **HMU-Budget:** 315.460€. **Sponsor:** EPANEK/ ESPA 2014-2020, **Collaborating Institutes:** α) Hellenic Mediterranean University, School of Agricultural Sciences, Lab of Biological & Biotechnological Applications, β) Institute of Electronic Structure & Laser - Foundation for Research and Technology (Coordinating Institute), **Collaborating Private companies:** α) ALEXAKIS S.A., Winemaking Company, β) DIAMANTAKIS, Winemaking Company γ) Domaine PATERIANAKI - Melissokipos SA. Winemaking Company and d) PHARMAGNOSE S.A. (HMU Sub-Contractor).

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**NATIONAL ACTION: "RESEARCH-CREATIVE-INNOVATIVE" - "COMPETITIVENESS, ENTREPRENEURSHIP & INNOVATION" (EPANEK)**

**PRECISE-M** - “Conservation and sustainable exploitation of rare-endangered endemic plants of Crete for the development of new agricultural products with innovative precision fertilization”. **Funding code:** T1EDK -05380. **Role** as: Principal Investigator, **Duration:** 36 months (06/2018-05/2021), **Total Budget of Consortium:** 209.580 €. **HMU-Budget:** 34.480€. **Sponsor:** EPANEK/ ESPA 2014-2020, **Collaborating Institutes:** α) Hellenic Mediterranean University, School of Agricultural Sciences, Lab of Biological & Biotechnological Applications, β) Institute for Genetic Improvement and Plant Genetic Resources - NAGREF-DIMITRA (IGVFP-ELGO)γ) Soil Science Laboratory, Department of Agriculture, Aristotle University of Thessaloniki, **Collaborating Private companies:** α) Liquid Organic Fertilizers

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THEOFRASTOS / PAPPAS ANASTASIOS (Coordinating Institute), and β) Fruit Plants Gklavakis.

**EuroXanth** - "COST ACTION - Integrating science on Xanthomonadaceae for integrated plant disease management in Europe". Funding code: CA16107. **Role** as: Principal Investigator, **Duration**: 48 μήνες (Start Date: 16 March 2017 End Date: - 15 March 2021), **Total Budget of Consortium**: 230.000 €. **HMU-Budget**: --€. **Sponsor**: e-COST ACTION, **Collaborating Institutes**: Main Proposer: France (Coordinating Institute) Network of Proposers (17 countries – ITC: 41%): Belgium; Czech Republic; France; FYR Macedonia; Germany; Greece; Israel; Italy; Netherlands; Poland; Portugal; Serbia; Slovenia; Spain; Switzerland; Turkey; United Kingdom Near Neighbour Country (NNC): - International Partner Country (IPC): United States, International Organisations: 1 **Collaborating Private companies**: SMEs: 2, Large companies: 1

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**THALIS** - "BIOHYDROX-T: TEI-Crete - Metabolic engineering of model biofactories *E. coli*, *Saccharomyces cerevisiae*, *Chlamydomonas reinhardtii* and *Arabidopsis thaliana* by recruiting the genetic resources of plants and microorganisms for the heterologous production of hydroxytyrosol with direct application in plant protection" **Code**: MIS-380210. **Participation** as **Principal Investigator and Project Coordinator**. **Duration**, 36 months (05/2012-04/2015), **Budget**: 594.000€. **Sponsors**: EU and Operational Program for Education and Lifelong Learning (ESPA 2007-13), **Collaborating Partners**: TEI-Crete (Coordinator), Institute of Agro-Biotechnology (CERTH), Aristotle University of Thessaloniki (AUTH), Agricultural University of Athens (AUA), University of Crete, Benaki Phytopathological Institute (BPI), Rensselaer Polytechnic Institute-Center for Biotechnology and Interdisciplinary Studies (USA).

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**THALIS** - "OLDWINE –University of Crete - Evaluation and optimization of the quality factors during wine maturation produced from Cretan red and white grape varieties. Production of high quality wines". **Participation** as **Principal Investigator**. **Duration** 36 months (05/2012-04/2015), **Budget**: Total 590.000€. (TEI Crete Team: 140.000€). **Sponsors**: EU and Operational Program for Education and Lifelong Learning (ESPA 2007-13), **Collaborating Partners**: University of Crete (Coordinator), TEI-Crete, Institute of Microelectronics & Lasers (FORTH - ITE)

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**ARCHIMEDES III** - "HYDROX-T Biotechnological applications in agriculture through the exploitation of genetic resources of plants for the production of compounds with pharmaceutical interest in Yeast and *E. coli* using metabolic engineering methodology" - Support of research groups at TEIs. **Project** 234. **Participation** as **Principal Investigator and Project Coordinator**. **Duration** 36 months (11/2011-10/2014), **Budget**: 82.000€. **Sponsors**: EU and Operational Program for Education and Lifelong Learning (ESPA 2007-13). **Collaborating Partners**: TEI-Crete (Coordinator), Institute of Molecular Biology & Biotechnology (IMBB-ITE), University of Athens (EKPA), University of Crete, Rensselaer Polytechnic Institute-Center for Biotechnology and Interdisciplinary Studies (USA).

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**ARCHIMEDES III** - "Comparative Study of the Accumulation of Heavy metals by Freshwater and Marine Phytoplankton. (A) heavy metal-protein interaction mechanisms. (B) Use of algae as biomarkers for heavy metal pollution and / or as bioremediation systems". Support of research groups at TEIs. **Project** 152. **Participation** as **Principal Investigator**. **Duration** 36 months (11/2011-10/2014), **Budget**: 82.000€. **Sponsors**: EU and Operational Program for Education and Lifelong Learning (ESPA 2007-13). **Collaborating Partners**: TEI-Crete, University of Athens (UoA).

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**ARCHIMEDES III** - "The effect of maturity stage and postharvest storage treatments on quality attributes and phytochemical profile of peach (*Prunus persica* L.) fruit: A physicochemical, biochemical and transcriptomic approach" (**PEACHquality**). **Participation** as **Principal Investigator**. **Duration** 36 months (11/2012 - 05/2015), **Budget**: 80.000€. **Sponsors**: EU and Operational Program for Education and Lifelong Learning (ESPA 2007-13)., **Collaborating Partners**: TEI-Thessaloniki, (Co-ordinator Prof. Manganaris A.), Aristotle University of Thessaloniki (AUTH), Technological University of Cyprus.

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**PEP- CRETE** - "PHYTOYGEIA: *Exploitation of bioactive ingredients of olive and grape and their possible applications in integrated and biological phytoprotection, Wine-making and animal husbandry of Crete*". Sponsors: EU and General Secretariat of Research and Technology (GSRT, 3<sup>rd</sup> KPS) - KP-19. Participation as **Principal Investigator and Project Coordinator**. Duration: 05/2006-05/2008. Collaborating Partners: TEI-Crete (Coordinator), MINOS Winery S.A., Union of Agricultural Cooperatives of Monofatsi Crete, University of Crete, National Kapodistrian University of Athens, University of Cranfield – UK. Budget of TEI-Crete, 104.200 € (Total Project Budget: 619.400€).

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**PENED 2003** - "Biosynthesis of plant flavonoids genistein and quercetin from *Saccharomyces cerevisiae* with biotechnological methods and their application to integrated (non chemical) phytoprotection of grape vine and wine making". 03EΔ776. Participation as **Principal Investigator and Project Coordinator**. Duration: 36 months Oct 2005 – June 2009. Sponsors: EU and General Secretariat of Research and Technology (GSRT, 3<sup>rd</sup> KPS) – Budget: 56.250€. Collaborating Partners: TEI-Crete (Coordinator), MINOS Winery S.A., Institute of Molecular Biology & Biotechnology (IMBB-ITE), University of Crete, University of British Columbia, Department of Botany, Canada.

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**CRINNO (Nursery of Ideas- Projects for Postgraduate Students)** 2005 till 2006 "Biosynthesis of plant flavonoids genistein and quercetin from *Saccharomyces cerevisiae* with biotechnological methods and their application to integrated (non chemical) phytoprotection of grape vine". Participation as: **Principal Investigator and Co-Supervisor of the Project**, Duration 12 months, Sponsors: University of Crete (UoC-ELKE), Collaborating Professor (UoC)N.J Panopoulos (Support of PhD student Project of E. Trantas).

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**IKYDA 2004** - "Identification of phytoestrogens produced from plant and non-plant sources through the development of novel biotechnological methods" Program for the promotion of the exchange and scientific cooperation between Greece and Germany (IKY-Greece) – DAAD (Germany) IKYDA 2004 – Project No 85. Collaboration with Technical University of Braunschweig, Institute of Food Chemistry, Germany (Prof. P. Winterhalter). Participation as **Principal Investigator and Project Coordinator**. Budget: 10.000€. Duration Jan 2005 – Dec 2006 (extended to Dec. 2007).

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**ARCHIMEDES I** - Support of research groups at TEIs 2004-2006. "Biotechnological applications through genetic modification of *Saccharomyces cerevisiae* for the heterologous production of bioactive substances of plant and bacterial origin and their exploitation in integrated (non chemical) phytoprotection of grape vine and wine making" Project 18. Participation as **Principal Investigator and Project Coordinator**. Duration 18 months (04/2004-12/2006), Budget: Sponsors: EU and Operational Program for Education and Lifelong Learning. 54.113€. Collaborating Partners: TEI-Crete (Coordinator), MINOS Winery S.A., Institute of Molecular Biology & Biotechnology (IMBB-ITE), University of Crete, University of British Columbia, Department of Botany, Canada.

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**PHYTOHEALTH** - - **FP5** (Thematic Network). "Improving health through dietary phytoestrogens: a pan-European network on consumers. Issues and opportunities for producers" QLK1-CT-2002-02453, Sponsors: EU. Budget of TEI-Crete: 48.738 € (Total Project Budget: 900.000€), Duration: 3 years, (03/2003-02/2006). Participation as **Principal Investigator**. Collaborating Partners: Coordinating Institute: National Research Institute for Food and Nutrition" (INRAN, Rome, Italy), and 45 other Institutions from the following countries: A, 5D, 2DK, E, 4EL, CH, 2F, 4FIN, 9I, IRL, 4NL PL 2S 8UK.

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**PENED 99** - Program for the Support of Researchers, "Development of novel methodology for the study of the molecular mechanisms of interactions of plant-pathogens and molecular detection of pathogens in soil" Sponsors: EU and General Secretariat of Research and Technology (GSRT, 3<sup>rd</sup> KPS, 1999-2001). Participation as **Principal Investigator**. Duration 18 months (01/1999-08/2001), Budget 18.000.000 drachma. (52.825€). Collaborating Partners: University of Crete (Coordinator), TEI-Crete, Institute of Molecular Biology & Biotechnology (IMBB-ITE), National Agricultural Research Foundation (NAGREF) of Heraklion.

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**BIOPRO** - “Development of technologies to fight diseases of cultivating plants by incorporating genetic resistance and by alternative (non chemical) means of treatments” - «Network of Laboratories for National Use in sector of Agricultural Biotechnology». Sponsors: EU and General Secretariat of Research and Technology (GSRT, 3<sup>rd</sup> KPS) Participation as Principal Investigator and Project co-Coordinator. Duration: 2 Years (1999-2002). Budget of TEI-Crete, 85.000.000 Drm. (249.450€). Collaborating Partners: TEI-Crete (Coordinator), University of Crete, Institute of Molecular Biology & Biotechnology (IMBB-ITE), National Agricultural Research Foundation (NAGREF) of Heraklion and Lycovrisi-Attica, Agricultural University of Athens, National Kapodistrian University of Athens and Benaki Phytopathological Institute.

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**EPET II** - “Exploitation and development of biotechnological means for the creation of novel improved propagating material in plants”, Sponsors: EU and General Secretariat of Research and Technology (GSRT, 3<sup>rd</sup> KPS) – Duration: (1995-1997). Participation as Postdoctoral Investigator.

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**BARD Grant** - “Improving prolonged storage methods of Tomatoes at chilling temperatures by applying Heat Shock techniques. A Biotechnological Approach”. Duration: 1992-1995. BARD Grant USA-Israel. Michigan State University, USA. Participation as.

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**EU-ECLAIR** - “Volatile Forming-Enzymes of melon fruit (*Cucumis melo*)”, EU-ECLAIR Program. University of Reading, UK. Participation as Postgraduate student for the elaboration of my PhD dissertation and later as **Postdoctoral Investigator.**

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## B2. DEVELOPMENTAL COMPETITIVE PROJECTS

**CretAgroTech:** - “Scientific-Cultural-Environmental Park of Experimental Farm of Hellenic Mediterranean University (HMU)”. Sponsor: Ministry of Environment and Energy / "TRANSPORT INFRASTRUCTURE, ENVIRONMENT AND SUSTAINABLE DEVELOPMENT". Funding code: MIS (ΟΠΣ): 5002026. Duration: 60 months. Total Budget: 997.583,2€. Role as: Principal Investigator and Project Coordinator.

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## TEACHING EXPERIENCE

### - A. UNDERGRADUATE COURSES

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09/2019 – Today - «**Research Methodologies and Academic Writing in Agricultural Sciences**», 5-Yrs Studies Program (B’ Semester, Compulsory) **Hellenic Mediterranean University, Department of Agriculture.**

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09/2019 – Today - «**Biochemistry**», 5-Yrs Studies Program (B’ Semester, Compulsory) **Hellenic Mediterranean University, Department of Agriculture.**

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09/2019 – Today - «**General Chemistry**», 5-Yrs Studies Program (A’ Semester, Compulsory) **Hellenic Mediterranean University, Department of Agriculture.**

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09/1996 - 2016 - «**Agricultural Chemistry**», responsible for the outline of lectures and **laboratory** exercises. Taught compulsory (1<sup>st</sup> year) course to both Departments Plant Sciences and Biological & Greenhouse Crops and Floriculture. Reformed since 2004. The course specific website has been functional and active through the e-Class Educational platform since 09/2005. Language Greek.

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09/1996 - 2015 - «**Agricultural Biotechnology**», previously (before 2006) named as “**Plant Biotechnology**”. Responsible for the outline of lectures and laboratory exercises. Taught optional course of the Department of Agriculture (previously named - Crop Sciences), School of Agriculture, Food & Nutrition (previously named - Agricultural Technology) (7<sup>th</sup> semester, final year). The course outline has been reformed twice, first in 2004 and later in 2006 when it was renamed. The course specific website has been functional and active through the e-Class educational platform since 09/2005. Language Greek.

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09/2002 – 2019 - «**Organization and Presentation of a Scientific Research Seminar**». Responsible for the outline of lectures and Student presented Scientific Seminars.

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Taught compulsory course of the Plant Sciences Department (7<sup>th</sup> semester, final year). The course outline has been reformed in 2004 The course specific website has been functional and active through the e-Class educational platform since 09/2005. Language Greek. Also taught in English to Erasmus students when they select this course.

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09/2015 - 2018 - «**Advanced Issues of Agricultural Biotechnology**» (7<sup>th</sup> Semester), Department of Agriculture (previously named - Crop Sciences), School of Agriculture, Food & Nutrition (previously named - Agricultural Technology), Technological & Educational Institute (TEI) of Crete.

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## **- B. (POST)GRADUATE COURSES**

10/2015 – Today - “**Biotechnology Applications in Agricultural Production**”: Continuing education of the undergraduate course “**Agricultural Biotechnology**”. Εμβάθυνει στην εκμάθηση των πλέον πρόσφατων επιτευγμάτων, τεχνικών και τεχνολογιών της Βιοτεχνολογίας και των εφαρμογών τους στη γεωργία, με έμφαση στις μεθοδολογίες που εμπλέκονται στη γενετική μηχανική. Master of Science Degree Program in Applied Science and Technology in Agriculture.

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10/2015 – Today - “**Research Methodologies - Agricultural Experimentation**”, taught *in* the Master of Science Degree Program in “Applied Science and Technology in Agriculture”.

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05/1996–05/1997 - “**Postharvest Biochemistry and Application of Biotechnology in the Construction of fruits and Flowers with desired Storage Characteristics**” Responsible for the outline of lectures. Taught compulsory course (1<sup>st</sup> Semester) of Mediterranean Agronomic Institute of Chania (MAICh), Crete, Greece. Language English.

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09/1989–06/1990 - “**Plant Biochemistry - Plant salinity resistance**” Laboratory Teaching Assistant to Professor Philip John at Reading University, UK. Language English.

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## **SUPERVISION AND MANAGEMENT OF PBBL RESEARCH GROUP**

### **- A. - POSTDOCTORAL RESEARCH ASSOCIATES (Present & Past)**

05/2019 – till 06/2019 - **Dr. Dokianakis Emmanouil**, Biologist, - Molecular Biologist (MSc, PhD, Molecular Biology, Department of Medicine, University of Crete), (Involved Project INNOVA-PROTECT, HMU, Postdoctoral Research Associate).

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09-2019 - today - **Dr. Theocharis Andreas**, Agronomist T.E. (BSc, in Agriculture, TEI Crete), MSc by Research in Crop Improvement by Molecular Biotechnology, Coventry University & Horticulture Research International, UK, PhD University of Reims Champagne-Ardenne, France, in Viticulture Physiology & Molecular Biotechnology.

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05/2019 – today - **Dr. Patounas Odysseas**, Biologist, - Molecular Biologist (MSc, PhD, Molecular Biology, Department of Science in Biological Applications and Technologies, University of Ioannina), (Involved Project ANTIOX-PLUS, HMU, Postdoctoral Research Associate).

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01/2019 – today - **Dr. Kontaxakis Emmanouil**, Agronomist T.E. (Agriculture, TEI Crete), PhD Health Cranfield, School of Applied Sciences, Cranfield University (Involved Project OINOFASMA, HMU, Postdoctoral Research Associate).

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12/2012– 05/2016 - **Dr Navakoudi Eleni**, Molecular Biologist, (BSc, Biology, PhD Plant and Microbial Biotechnology, University of Crete). Supported by Research projects, THALIS-TEI CRETE, Postdoctoral Research Associate.

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05/2009 – 05/2016 - **Dr Trantas Emmanouil**, Agronomist-Biotechnologist (BSc Plant Science – AUTH, -- MSc, PhD Molecular Biology, Plant & Microbial Biotechnology, University of Crete). Supported by Research projects THALIS, ARCHIMEDES III, ARCHIMEDES I, PENED 03. Teaching Assistantship TEI-Crete (P.D. 163/01).

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09/2004 – 12/2010 - ***Dr Steiakaki Aigli***, Chemist (BSc Chemistry, PhD AUTH). Supported by Research projects ARCHIMEDES I and PEP-CRETE 2006. Teaching Assistantship TEI-Crete (P.D. 163/01).

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10/2007- 08/2008 - ***Dr Papageorgiou Niki***, Chemist/Biochemist - (PhD, University of Crete). Supported by Teaching Assistantship TEI-Crete (P.D. 163/01).

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10/2005 – 08/2006 - ***Dr Chatzidakis Giorgos***, Chemist/Biochemist - (PhD, University of Crete). Supported by Research project PEP-CRETE 2006.

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04/2004 – 12/2006 - ***Dr Tampakaki Anastasia***, Molecular Biologist, (BSc, Biology, PhD Plant and Microbial Biotechnology, University of Crete). Supported by Research projects ARCHIMEDES I, PENED 03. Teaching Assistantship TEI-Crete (P.D. 163/01). Today Assistant Professor at the Agricultural University of Athens (AUA).

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01/1999 - 08/2001 - ***Dr Kontou Maria***, Biochemist (PhD, Univ. Florida USA). Supported by Research project PENED 99.

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01/1999 - 08/2001 - ***Dr Kandilogiannaki Maria***, Molecular Biologist, (PhD, Institute of Molecular Biology & Biotechnology of Crete). Supported by Research project PENED 99.

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### **- B. - DOCTORAL THESIS SUPERVISION (Present & Past)**

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12/2012 – 2019 - **Mougiou Niki**, Biologist, AUTH, One of the three Member Supervision Committee of PhD Candidacy with main Supervisor Assoc. Prof. K. Vlachoniasos (AUTH) and Dr A. Makris (CERTH) Title: “Study of the heterologous expression of hydroxytyrosol production pathway of olive tissues in *Arabidopsis thaliana*”. Viva examination expected in Nov. 2019.

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4/2004 – 10/4/09 - ***Trantas Emmanouil***, Agronomist-Biotechnologist (BSc Plant Science – AUTH, -- MSc, Molecular Biology, Plant & Biotechnology, University of Crete 2003). Supported by Research projects ARCHIMEDES I, PENED 03. PhD Degree since 10-04-2009. I was the main member (out of three) of his Supervising Committee (appointed since Oct. 2005) for his PhD Degree and a member (out seven) of his Examining Committee in collaboration with the Biology Department of University of Crete.

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5/2006- 20/2/2010 - ***Mavrakis Titos***, Agronomist (BSc, Agricultural University of Athens, MSc Environmental Chemistry, University of Crete). Supported by Research project PEP-CRETE 2006. PhD Degree since 20-02-2010. PhD title “Exploitation of Bioactive Constituents of Olive Leaves, Grape Pomace, Olive Mill Waste Water and their Applications in Phytoprotection”. I was the main member (out of three) of his Supervising Committee for his PhD Degree (since April 2006) in conjunction with Prof. Naresh Magan from Faculty of Medicine and BioSciences, Institute of Bioscience and Technology, Cranfield University, UK.

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Present - ***Strataridaki Argyro***, Agronomist- (BSc Plant Science – AUTH, -- MSc, Plant Physiology, 2006). Supported by Research project PEP-CRETE 2006. Currently a **PhD Candidate**. I am the main member of her Supervising Committee for her PhD Degree (since April 2006) in conjunction with Dr. Terry Leon from Faculty of Medicine and BioSciences, Institute of Bioscience and Technology, Cranfield University, UK.

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### **- C. - MASTER THESIS SUPERVISION (Present & Past)**

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11/2019 – Today - **Manousoudaki Claire**, Agronomist T.E. (Agriculture, TEI Crete), MSc AGRO “Applied Science and Technology in Agriculture”, Hellenic Mediterranean University, Dept. of Agriculture. MSc Thesis Title: “Pending”.

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04/2017 – 05/2018 - **Tympakianakis Stylianos**, Agronomist T.E. (Agriculture, TEI Crete), MSc AGRO “Applied Science and Technology in Agriculture”, TEI Crete, School of Agriculture. MSc Thesis Title: “Advantages and Disadvantages of Genetics Identification Methodologies of Grapevine Varieties and Clones”. Main Supervisor.

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06-2016 – 06/2017 - **Malichin Iliana-Maria** Agronomist T.E. (Agriculture, TEI Crete), MSc in “Wine and Beer Science – Specialization in Oenology, TEI of Athens, Department of Oenology & Beverage Technology. MSc Thesis Title: “Isolation of indigenous yeasts from two Vidiano variety vineyards and their use in micro-vinifications”. Main Supervisor.

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09/2016 – 10/2017 - **Alban Marku**, Agronomist T.E. (Agriculture, TEI Crete), MSc AGRO “Applied Science and Technology in Agriculture”, TEI Crete, School of Agriculture. MSc Thesis Title: “Optimization attempts of the heterologous Hydroxytyrosol production pathway in metabolically engineered *E. coli* by evaluating optional Amino Acid Decarboxylase and Tyrosinase genes cloned in IMPACT vectors”. Written and presented in English. Main Supervisor.

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09/2011 – 2015 - **Mantzorou Antonia**, Agronomist T.E. (Agriculture, TEI Crete), MSc in “Technology and Environmental Protection” Collaboration with Dept. of Chemistry, University of Crete, 2014. MSc Thesis Title: “Algal Phyco-remediation of contaminated water from heavy metals”. Main Thesis Supervisor.

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09/2011 – 2014 - **Pavlidou Sofia**, Agronomist, (BSc, TEI-Crete, MSc Technology of Environmental Protection, Univ. of Crete, 2014). Supported by Research project ARCHIMEDES III 2011. I was the main member (out of three) of his Supervising Committee (appointed since Oct. 2011) for her MSc Degree and a member of her Examining Committee in collaboration with the Biology Department of University of Crete.

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04/2004 – 12/2006 - - **Milios Dimitrios**, Agronomist-Biotechnologist, (BSc, TEI-Crete / BSc, Univ. of Crete, MSc Plant Biotechnology, University of Reading, UK, 2004). Supported by Research project ARCHIMEDES I 2004-06. I was the main member (out of three) of his Supervising Committee (appointed since Oct. 2005) for his MSc Degree and a member of his Examining Committee in collaboration with the Biology Department of University of Crete.

#### **- D. OTHER COLLABORATORS SUPERVISION (Present & Past)**

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09/2012 – Today - **Mpalantinaki Evagelia**, Agronomist, (BSc TEI-Crete). Supported by Research project THALIS, ARCHIMEDES III.

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09/2012 – Today - **Pavlidis Theofilos**, Biochemist. BSc, Univ. Leeds, UK, MSc Univ. of Leicester, UK. Supported by Research project THALIS, ARCHIMEDES III.

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01/1999 - 08/2001 - **Alexaki Valentina**, (MSc Crop Protection, Univ Reading UK) Research Assistant, supported by Research project PENED 99.

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01/1999 - Today - ***Supervisor and organizer of various undergraduate student dissertations*** for their degree or their practical training (3-4 per academic year) at the Department of Plant Sciences and the Department Biological & Greenhouse Crops and Floriculture. Now Hellenic Mediterranean University, School of Agricultural Sciences, Department of Agriculture.

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1997 – 1998 - **Davrazou Fanny**, (BSc, Biology, University of Crete). Postgraduate Student at University of Crete. I was the main member (out of three) of her Supervising Committee (appointed since Oct. 1998) for his MSc Degree and a member of his Examining Committee in collaboration with the Biology Department of University of Crete and the Institute of Molecular Biology & Biotechnology of Crete, during her MSc Thesis Dissertation (obtained at the end of 1998).

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08/1993-11/1995 - ***Supervisor and organizer of three undergraduate student dissertations*** of the Department of Biochemistry, Michigan State University. Additionally, I was acting as (Post)Graduate students advisor at the Postharvest Physiology research group headed by Prof. David R. Dille, Department of Horticulture, Michigan State University, USA.

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09/1989 – 06/1991 - During my Postgraduate studies at the Reading University (UK), I was appointed for the first time in the Plant Sciences School responsible organizer of all postgraduate students (approx. 70) research seminars).

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## AWARDS - FELLOWSHIPS – MANAGERIAL POSITIONS

2006 - Today - Invited Reviewer of Internationally renowned scientific journals

- *Review Editor in Frontiers in Plant Science (since 2018)*

- *Biotechnology Journal, - (IF, 2.1)*

- *Environmental and Experimental Botany, - (IF, 3.355)*

- *Metabolic Engineering, - (IF, 4.725)*

- *Microbial Cell Factories, - (IF, 3.43)*

- *Molecules - - (IF, 1.738)*

- *Plant Cell Reports - (IF, 2.301)*

12/2016– Σήμερα - **Representative of TEI of Crete as a Full Member, in the Agri-Food Innovation Platform of the Region of Crete**, for the Implementation of the Smart Specialization Strategy of Crete (RIS3Crete), (Rector Decision 134/01.12.2016).

06/2016– Σήμερα - **Representative of the TEI of Crete and the School of Agriculture in the Region of Crete European Project “NICHE/ Building innovative food value chains in regions” INTERREG EUROPE**, School Decision 518/30.06.2016. Other Cretan Stakeholders: Science & Technology Park of Crete (FORTH), Network Praxis (FORTH), University of Crete, AgroFood-Nutrition Partnership of Crete Region, Cretan Winemakers Network, Chambers of Heraklion, Chania, Rethymno and Lassithi.

05/2019 – 08/2021 - **Dean /Head of School of Agricultural Sciences (S.AGRI.S.)**, Hellenic Mediterranean University (Law Act 4610/ 2019) 3<sup>rd</sup> Tenure.

09/2014 – 05/2019 - **Dean /Head of School of Agriculture, Food & Nutrition**, TEI - Crete, Greece. (Government Statement (FEK) 551/ 10-09-2014).

01/2013 – 09/2015 - **Director of Centre for Technological Research of Crete (CTR-Crete)**, Greece. (Government Statement (FEK) 28/January 2013) and Member of Scientific Board

09/2008 - 01/2013 - **Associate Director of Centre for Technological Research of Crete (CTR-Crete)**, Greece (Government Statement (FEK) 299/July 2009) and Member of Scientific Board.

10/2009 - 12/2012 - **Acting Director of CTR** (State appointment pending) due to resignation of the previously appointed Director. Member of Scientific Board of Centre for Technological Research of Crete (CTR-Crete), Greece.

09/2002 - 09/2006 - **Head of Department of Agriculture** (previously named - Crop Sciences), School of Agriculture, Food & Nutrition (previously named - Agricultural Technology), TEI - Crete, Greece (2 terms).

September 2008 - **Invited speaker** to the “2<sup>nd</sup> International Symposium for the Quality Assurance and Marketing of Agricultural Commodities”, Organized by CRETACERT, Hersonisos, Heraklion-Crete (25-29/09/2008)

May 2008 - **Visiting Professor to the Research Laboratory of Professor Mattheos Koffas** (Department of Chemical and Biological Engineering) State Univ. of New York at Buffalo, USA. (Today, Associate Professor of Biology, Rensselaer Polytechnic Institute, NY, USA).

April 2005 - **Evaluator of research proposals** of the call of ARCIMEDES I Grant program.

09/2002 - 09/2007 - Elected Member of the 7-Member Committee of Research Accounts (Eidikos Logariasmos, ELKE) of TEI-Crete.

09/1999 - 6/2003 - **Head of Division of Biology Courses & Plant Protection**, Department of Plant Sciences, School of Agricultural Technology, TEI - Crete, Greece.

01/1996 - 01/1998 - **Postdoctoral Research Scholar**, Institute of Molecular Biology & Biotechnology (IMBB), Foundation of Research & Technology, Heraklion - Crete, Greece.

08/ 1993 - 12/1995 - **Postdoctoral Research Scholar**, Department of Horticulture (Laboratory of Postharvest Physiology & Technology) Michigan State University, USA.

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Apr. – Dec. 1991 - **Postdoctoral Scholar**, E.U. Research Project (ECLAIR Program), Department of Agricultural Botany, Plant Sciences School, University of Reading, UK.

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1990-1991 - **President of Postgraduate Club Students Union of School of Plant Sciences**, University of Reading, U.K.. Organizer and Host Introducer of Postgraduate Seminars of the School.

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09/1987 - 03/1991 - **Postgraduate Scholar (PhD Studies)** supported by the Greek State Scholarship [I.K.Y. Greek acronym].

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May 1990 - **Distinctions and triple financial support for my PhD research project** presentation as a postgraduate student at the “5th Annual Pennsylvania State University Symposium in Plant Physiology” in USA. Sponsors were: a) Arthur Hosier Travel Award, b) Tansley Fund Bursaries Travel Award καί c) Pennsylvania State University Award for poster presentation.

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## SCIENTIFIC CONFERENCE ORGANISATION

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12-16 February, 2018 - **1<sup>st</sup> Training School on “Prognosis & Advanced Diagnosis of Xanthomonadaceae”** Pan-European School as part of the Research Program COST Action CA16107 "EuroXanth: Integrating science on Xanthomonadaceae for integrated plant disease management in Europe" Heraklion - Crete. Coordinator of the Organizing Committee.

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27-30 October 2004 - - ‘Phytoestrogens for Food Applications’ SECOND OPEN PLENARY MEETING. Pan-European Congress organized with the support of EU (FP5) Research Project PHYTOHEALTH 2003-2006. Participation as *Head of the Organizing Committee*.

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June 2000 - "Biotechnology and Agricultural Production. Genetically Modified Organisms and Products." 2-Day Conference of Geotechnical Scientific Chambers-Division of Crete (GEOTEE, Greek acronym). Participation as Member of the Organizing Committee.

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October 1999 - 19<sup>th</sup> Conference of Hellenic Scientific Society of Horticultural Science. Participation as Secretary General of the Organizing Committee.

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## COLLABORATIONS WITH OTHER RESEARCH INSTITUTIONS AND PRIVATE SECTOR

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Company / Institution Name	Description of Collaboration
APIGAIA S.A.	A subsidiary company APIVITA, – Collaborating in the research project ANTIOX-PLUS.
PHARMAGNOSE S.A.	Biotechnological and Pharmaceutical Company – Collaborating in the research project OINOFASMA and INNOVA PROTECT
AGROCHEMICALS OF CRETE S.A.	Fertilizers Company – Collaborating in the research project INNOVA PROTECT
RHODOLAND S.A.	Nursery business Company – Collaborating in the research project INNOVA PROTECT
DIAMANTAKIS Bros S.A.	Wine Making Company – Collaborating in the research project OINOFASMA
PATERIANAKIS DOMAIN S.A.	Wine Making Company – Collaborating in the research project OINOFASMA
ALEXAKIS S.A.	Wine Making Company – Collaborating in the research project OINOFASMA
FOUNDATION FOR RESEARCH & TECHNOLOGY, INSTITUTE OF ELECTRONIC STRUCTURE & LASER (IESL)	Collaborating P. I. Dr. Velegrakis M. in the research project OINOFASMA

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FOUNDATION FOR RESEARCH & TECHNOLOGY, INSTITUTE OF MOLECULAR BIOLOGY & BIOTECHNOLOGY (IMBB)	Collaborating P. I. Dr Sarris P. in the research project INNOVA-PROTECT
FOUNDATION FOR RESEARCH & TECHNOLOGY, INSTITUTE OF ELECTRONIC STRUCTURE & LASER (IESL)	Collaborating P. I. Dr Zacharakis I. in the research project INNOVA-PROTECT
LYRARAKIS WINES S.A.	Wine Producer Company – Submitted joined proposal under the call of “Collaboration II”, THALIS-TEI CRETE
MINOS WINES of CRETE S.A.	Wine Producer Company – Sponsor of research grants and collaborator in the following projects: <b>ARCHIMEDES I, PENED 2003, PEP- CRETE 2006</b>
BIORYL S.A.	Collaborating Principal Investigator Prof. Ntourntoglou Vasilis (Dual appointment TEI Athens) in the following projects: <b>ARCHIMEDES I</b>
UNIVERSITY OF CRETE	Collaborating Principal Investigator Prof. N.J. Panopoulos in the following projects: <b>ARCHIMEDES I, PENED 2003, PENED 99, PEP- CRETE 2006</b> and <b>BIOPRO</b> .
INSTITUTE OF MOLECULAR BIOLOGY & BIOTECHNOLOGY – FOUNDATION OF RESEARCH AND TECHNOLOGY (IMBB-ITE-FORTH)	Collaborating Principal Investigator Senior Researcher Dr. Tzamarias Dimitrios (Dually appointed Associate Prof. University of Crete) in the following projects: <b>ARCHIMEDES I, ARCHIMEDES III PENED 2003</b> .
NATIONAL KAPODISTRIAN UNIVERSITY OF ATHENS	Collaborating Principal Investigator Prof. Skaltsounis Leandros in the following projects: <b>ARCHIMEDES III, PEP- CRETE 2006</b>
UNIVERSITY OF BRITISH COLUMBIA, DEPARTMENT OF BOTANY, CANADA	Collaborating Principal Investigator Dr. CARL J. DOUGLAS, Professor and Head, of Department of Botany in the following projects: <b>ARCHIMEDES I, PENED 2003</b> .
TECHNICAL UNIVERSITY OF BRAUNSCHWEIG, INSTITUT FOR LEBENSMITTELCHEMIE	Collaborating Principal Investigator Prof. Dr. Peter Winterhalter in the following projects: <b>PHYTOHEALTH, IKY-DAAD</b> .
UNIVERSITY OF CRANFIELD, INSTITUTE OF BIOSCIENCE AND TECHNOLOGY, UK	Collaborating Principal Investigator Prof. Naresh Magan in the following projects: <b>PEP- CRETE 2006</b> .
AGRICULTURAL UNION OF COOPERATIVES OF MONOFATSI, ASIMI OF MONOFATSI – HERAKLION CRETE	Sponsor of research grants and collaborator in the following projects: <b>PEP- CRETE 2006</b>
RENSELAER POLYTECHNIC INSTITUTE, CENTER FOR BIOTECHNOLOGY AND	Collaborating Principal Investigator Prof. Mattheos Koffas. in the following projects: <b>THALIS, ARCHIMEDES III, ARCHIMEDES I</b> .

## PUBLICATIONS

### A. DOCTORAL THESIS

Ververidis, P. (1991). Characterisation and partial purification of the enzyme responsible for ethylene synthesis from 1-aminocyclopropane-1-carboxylic acid in plant tissues. PhD Thesis, University of Reading, UK.

### B. RESEARCH PAPERS PUBLISHED IN SCIENTIFIC JOURNALS

#### *In preparation*

Theocharis, A., et al., and **F. Ververidis**. Antifungal activity of natural extracts of olive tissues, grapes and their by-products. *Phytopathology Under preparation*

#### *Peer reviewed*

Referred in Scopus (<http://www.scopus.com/home>). h-index = 15

And in Google Scholar (<https://scholar.google.gr/>). h-index: 16

1. Trantas Emmanouil, Navakoudis Eleni, Pavlidis Theofilos, Nikou Theodora, Halabalaki Maria, Skaltsounis Leandros, **Ververidis F.** (2019). Dual pathway for metabolic engineering of E. coli metabolism to produce the highly valuable hydroxytyrosol. PLoS ONE 14(11): e0212243. <https://doi.org/10.1371/journal.pone.0212243>
2. Paschalidis, K, Tsaniklidis, G, Wang, B-Q, Delis C, Trantas E, Loulakakis K, Makky M, Sarris PF, **Ververidis F** and Liu J-H 2019 The Interplay among Polyamines and Nitrogen in Plant Stress Responses. Plants 8: 315-327, <https://www.mdpi.com/2223-7747/8/9/315>
3. Mantzourou, Antonia & **Ververidis, F.** (2018). Microalgal biofilms: A further step over current microalgal cultivation techniques. Science of The Total Environment. 10.1016/j.scitotenv.2018.09.355
4. Mougou N., Trika F, Trantas E., **Ververidis F.**, Makris A., Argiriou A. and K. E Vlachonassios (2018). "Expression of hydroxytyrosol and oleuropein biosynthetic genes are correlated with metabolite accumulation during fruit development in olive, *Olea europaea*, cv. Koroneiki". Plant Physiology and Biochemistry 128: 41–49.
5. Mantzourou A., Navakoudis E., Paschalidis E., **Ververidis F.** (2018) "Microalgae: a potential tool for remediating aquatic environments" International Journal of Environmental Science and Technology 15 (8): 1815–1830. <https://doi.org/10.1007/s13762-018-1783-y>
6. Markakis EA, Trantas EA, Lagogianni CS, Mpalantinaki E, Pagoulatou M, **Ververidis F**, DE Goumas, 2018. "First Report of Root Rot and Vine Decline of Melon Caused by *Monosporascus cannonballus* in Greece". Plant Disease, 102 (5): 1036-1036.
7. Trantas EA, Mpalantinaki E, Pagoulatou M, Markakis E, Sarris PF, Ververidis F, DE Goumas, 2017. "First Report of Bacterial Apical Necrosis of Mango Caused by *Pseudomonas syringae* pv. *syringae* in Greece". Plant Disease, 101 (8): 1541-1541.
8. Trantas, E. A., P. F. Sarris, E. Mpalantinaki, M. Papadimitriou, **F. Ververidis** and D. E. Goumas (2016). "First report of *Xanthomonas hortorum* pv. *hederae* causing bacterial Leaf Spot on Ivy in Greece." Plant Disease – Disease Notes, <https://doi.org/10.1094/PDIS-03-16-0312-PDN>
9. Trantas, E.A., Licciardello, G., Almeida, N.F., Witek, K., Strano, C.P., Duxbury, Z., **Ververidis, F.**, Goumas, D.E., Jones, J.D.G., Guttman, D.S., Catara, V., and Sarris, P.F. (2015). Comparative genomic analysis of multiple strains of two unusual plant pathogens: *Pseudomonas corrugata* and *Pseudomonas mediterranea*. Frontiers in Microbiology 6: 118, doi: 10.3389/fmicb.2015.00811.
10. Cress, B. F., Trantas E. A., **Ververidis F.**, Linhardt R.J., and Koffas M. A. (2015). "Sensitive cells: enabling tools for static and dynamic control of microbial metabolic pathways.

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"Current Opinion Biotechnology, 36: 205-214. doi:10.1016/j.copbio.2015.09.007

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11. Trantas EA, Koffas MAG, Xu P **Ververidis F** (2015). When plants produce not enough or at all: metabolic engineering of flavonoids in microbial hosts. Special Issue "Frontiers in Plant Metabolism and Chemodiversity", *Frontiers in Plant Science*, **6**:7. doi: 10.3389/fpls.2015.00007.
  12. Trantas, E. A., Sarris, P. F., Pentari, M. G., Mpalantinaki, E. E., **Ververidis, F.**, Goumas D. E., **2014**. Diversity among *Pseudomonas corrugata* and *Pseudomonas mediterranea* isolated from tomato and pepper showing symptoms of pith necrosis in Greece. *Plant Pathology*, **64**, 307–318: DOI: 10.1111/ppa.12261.
  13. Trantas, E., Sarris, P., Mpalantinaki E, Pentari M., **Ververidis, F.**, and Goumas, D. E. (2013). A new genomovar of *Pseudomonas cichorii*, a causal agent of tomato pith necrosis. *European Journal of Plant Pathology*, **137** (3), pp. 477-493.
  14. Dilley D., Wang Z., Kadirjan-Kalbach D, **Ververidis F.**, Beaudry R., K. Padmanabhan (2013). 1-Aminocyclopropane-1-carboxylic acid oxidase (ACCO) reaction mechanism and putative post-translational activities of the ACCO protein. *AoB Plants (Annals of Botany: Plants) - SPECIAL ISSUE: Ethylene 2012*, **5**: 1-23.
  15. Sarris, P., Trantas, E., Baltrus, D., Bull, C. T., Wechter, W. P., Shuangchun, Y., Ververidis, F., Almeida, N. F., Jones, C. D., Dangl, J. L., Panopoulos, N. J., Vinatzer, B. A., and Goumas, D. E. (2013). Comparative genomics of multiple strains of *Pseudomonas cannabina* pv. *alisalensis*, a potential model pathogen of both Monocots and Dicots. *PLoS One* **8** (3) e59366:1-16.
  16. Sarris PF, Trantas EA, Mpalantinaki E, **Ververidis F**, Goumas DE (2012) *Pseudomonas viridiflava*, a multi host plant pathogen with significant genetic variation at the molecular level. *PLoS One* **7**(4):e36090 doi:10.1371/journal.pone.0036090.
  17. Sarris PF, Trantas EA, Mpalantinaki E, **Ververidis FN**, Gouma SE, Goumas DE. (2012) First report of *Pseudomonas viridiflava* causing a bacterial blight of artichoke bract leaves. *Plant Dis* **96**, 8.
  18. Sarris PF, Trantas EA, Pagoulatou M, Stavrou D, **Ververidis FN**, Goumas DE. (2011) First report of potato blackleg caused by biovar 3 *Dickeya* sp. (*Pectobacterium chrysanthemi*) in Greece. *New Disease Reports* **24**: 21
  19. Trantas, E., Panopoulos, N. and **F. Ververidis**. 2009. Metabolic engineering of the complete pathway leading to heterologous biosynthesis of various flavonoids and stilbenoids in *Saccharomyces cerevisiae*. *Metabolic Engineering* **11**, 355–366.
  20. Georgaki, I., Tsamoukas, A., Sakkas, N., **Ververidis, F.**, Trantas E., Kyriacou, A, Lasaridi, K and Manios, T. 2009. The role of bulking agent in pile methane and carbon dioxide concentration during wastewater sludge windrow composting. *Water Environment Research* **81**, 5-12.
  21. Trantas, E., Panopoulos, N., **Ververidis, F.** (2009). Biosynthesis of plant bioactive substances from yeast through metabolic engineering to control plant pathogens. *Phytopathol. Mediterr.* **48**, 350
  22. Mavrakis T., N. Skandalis, C. Oustamanolakis, L. Skaltsounis, N. Panopoulos, D. Goumas and **F. Ververidis**, 2009. Application of bioactive plant substances from olive tissues and grapes in nonchemical disease control. *Phytopathologia Mediterranea*, Vol. **48**, 2, p 345.
  23. Trantas, E., Panopoulos, N. and **F. Ververidis**. 2008. Heterologous biosynthesis of resveratrol, genistein and kaempferol from *Saccharomyces cerevisiae*. *Planta Medica*. **74**, 1163-1163.
  24. Georgaki, I., P. Soupios, N. Sakkas, **F. Ververidis**, E. Trantas, F. Vallianatos, and T. Manios. 2008. Evaluating the use of electrical resistivity imaging technique for improving CH<sub>4</sub> and CO<sub>2</sub> emission rate estimations in landfills. *Science of The Total Environment*. **389**:522-531.
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### C. PROCEEDINGS OF INTERNATIONAL CONFERENCES (PEER REVIEWED)

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2. Trantas E., Nikou T., Halabalaki M., Skaltsounis L., **Ververidis F.** 2018. Novel dual

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3. Malichin I., Trantas E., Goumas D., Korkas I. and **F. Ververidis**, (2018). Isolation and molecular identification of indigenous yeasts from two Cretan vineyards cultivated with Vidiano variety and their use in micro-vinifications. International Conference “Vine, wine, food and health”, Heraklion, Crete, May 23 – 26, 2018, UNESCO Chair «Culture and Wine Traditions».
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4. Trantas Emmanouil, Goumas Dimitris, Sarris Panagiotis, Zacharakis Giannis, and **Filippos Ververidis**, 2018. Innovative plant protection technologies for quarantine pathogens of *Xanthomonadaceae* family utilizing tools of Optoacoustic and Molecular Biology. 1st EuroXanth Training School of the COST Action on “Prognosis & Advanced Diagnosis on *Xanthomonadaceae*”, Heraklion, Greece, February 12 - 16, 2018
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5. Marku A., Trantas E., T. Nikou, M. Halabalaki, L. Skaltsounis, **F. Ververidis** , 2017. Purification protocol of heterologously produced bioactive plant phenolics from metabolically engineered *E. coli* biofactories to explore pharmacological and other industrial uses-the hydroxytyrosol example. 3<sup>rd</sup> International conference on natural products utilization: from plants to pharmacy shelf, 18-21 October 2017, Bansko, Bulgaria
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#### D. PUBLICATIONS IN CHAPTER OF GREEK BOOKS

Ververidis, F., Strataridaki A. and Papadakis St., 2019. “The Functional Role of Olive Oil Biophenols and Their Importance in the Quality of the Integrated Supply Chain - A New Concept in the Quality Management of Greek Olive Oil and Olives”. Edited by Prof. A. Kyritsakis.