



FILIPPOS VERVERIDIS (PhD)

CURRICULUM VITAE

(JUNE 2026)

POSITION

Professor of Plant & Microbial Biochemistry & Biotechnology,
Director of Laboratory of Biotechnological Applications & Plant Protection (LBAPp),
Head of Plant Biochemistry & Biotechnology Laboratory Group (PBBL),
Faculty Member of Department of Agriculture, School of Agricultural Sciences
Senior Researcher of the Agri-Food and Life Sciences Institute,
University Research and Innovation Center (URIC)
Hellenic Mediterranean University (HMU) – Campus @ Heraklion - Crete

PERSONAL DATA

Name Surname: FILIPPOS VERVERIDIS

Middle name NIKOLAOS

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- https://scholar.google.gr/citations?hl=en&user=XwyAcEgAAAAJ&view_op=list_works&sortby=pubdate (G-Scholar, *current h-index - 22*)
- <https://www.scopus.com/authid/detail.uri?authorId=56028337800> (Scopus, *current h-index - 20*)
- ORCID: 0000-0002-3104-6103 (<https://orcid.org/0000-0002-3104-6103>)

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

- 1980–1985 BSc Degree in the Science of Agriculture, Aristotle University of Thessaloniki (AUTH), Thessaloniki, Greece.
- 1984–1987 Research Assistant, Laboratory of Pomology and Postharvest Science Aristotle University of Thessaloniki (AUTH), Thessaloniki, Greece.
- 1987-1991 PhD Diploma, University of Reading, United Kingdom (U.K.), (Greek State Scholarship [I.K.Y. Greek acronym] Scholar).
- 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.
- 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.
- 1991 (10 month) Postdoctoral Research Scholar, Department of Agricultural Botany, University of Reading, UK. (Group Leader Prof. Philip John).
- 1992-1993 Military Duty, Greece.
- 1993-1995 Postdoctoral Research Scholar, Department of Horticulture (Laboratory of Postharvest Physiology & Technology) Michigan State University, USA. (Group Leader Prof. David Dilley).
- 1996-1998 Postdoctoral Research Scholar, Institute of Molecular Biology & Biotechnology (IMBB), Foundation of Research & Technology, Heraklion - Crete, Greece. (Group Leader Prof. Nicholas Panopoulos).
- 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.
- 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.
- 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).
- 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).
- 07/2004 – 05/2019 **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).
- 05/2019 – Today **Professor (full tenure) of Plant Biochemistry & Biotechnology**, Department of Agriculture, School of Agricultural Sciences, Hellenic Mediterranean University (HMU) - Crete, Greece (Ministry of Education Law Acts 4610/2019).
- 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.
- 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.

- 01/2013 – 09/2015 **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.
- 09/2009- 08/2013 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 (now Reformed to Hellenic Mediterranean University).
- 09/2014 – 08/2018 **Dean of School of Agriculture, Food & Nutrition**, TEI - Crete, Greece. (Government Statement (FEK) 551/ 10-09-2014). 1st tenure duty.
- 09/2018 – 05/2019 **Dean of School of Agriculture, Food & Nutrition**, TEI - Crete, Greece. (Government Statement (FEK) 372/ 02-07-2018). 2nd tenure duty.
- 05/2019 – 08/2021 **Dean of School of Agricultural Sciences (S.AGRIS.)**, Hellenic Mediterranean University (Law Act **4610/ 2019**) 3rd tenure duty.
- 09/2021 – Today **EU Research Project Evaluator & e-COST Expert**, European Union.
- 09/2023 – Today **Director of Research Laboratory of Biotechnological Applications & Plant Protection (LBAPP)**, of HMU (Law Act/FEK 2517/τ.Β/24.06.2020, and Law Act/FEK 2001/2024).
- 09/2025 – Today **CEO, of Spin-off “BIOMORE”, Private Capital Company -VC & HMU funded**

EDUCATION-TRAININGS -

A. MENTOR / TUTOR TRAINING - MENTAL HEALTH COUNSELOR

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

Oct. 2022-Apr. 2023 - *Neuroscience Experiential Seminar: "The role of applied neuroscience in mental health and human relationships"*. Experiential seminar of 6 modules (+1 Bonus) for psychotherapists, psychologists, life coaches, HR managers and mental health - human relations professionals (<https://wowing.gr/seminar/>)

Feb. 2010-Nov. 2010 – *Effective Parent Training by GORDON HELLAS*- Duration: 30 hours - 10 three-hour weekly meetings. (<https://gordonhellas.gr/activity/ergastirio-apotelesmatikou-gonea/>)

Feb. 2017 – *Effective Parent Trainers Training by GORDON HELLAS*- Duration: 20 hours – Two 10-hour meetings. (<https://gordonhellas.gr/activity/ergastirio-apotelesmatikou-gonea/>)

Noe. 2017 – *Effective Teacher Training by GORDON HELLAS*- Duration: 20 hours – Two 10-hour meetings. (<https://gordonhellas.gr/activity/ergastirio-apotelesmatikou-daskalou/>)

B. RESEARCHER TRAINING – PROGRESS prior to FACULTY MEMBER

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

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

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

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

1980 – 1986 BSc Degree (5yrs Curriculum Studies) in the Science of Agriculture, School of Agriculture, Aristotle University of Thessaloniki (AUTH), Thessaloniki, Greece. *Undergraduate Degree Dissertation & Practical Training in “Eucalyptus Tissue Culture of 2 species Eucalyptus gunnii x E. leucoxylon” (Supervision and Collaboration with Prof. A. Economou).*

1974 – 1980 1st High School of Komotini, Rodopi – Thrace, Greece.

RESEARCH WORK

A. RESEARCH EXPERIENCE:

- 09/2023 – Today: **Director** of Research Laboratory of Biotechnological Applications & Plant Protection (LBAPP) of HMU.
- 1998 – Today: **Head** of Organization and Direction of Research Laboratory Group of Plant Biochemistry & Biotechnology (PBBL), which is within the umbrella of Research Laboratory of Biotechnological Applications & Plant Protection (LBAPP), 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 projects) supported by competitive research programs.
- 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).
- 01/1996- 01/1998 **Postdoctoral Research Scholar**, Institute of Molecular Biology & Biotechnology (IMBB), Foundation of Research & Technology, Heraklion - Crete, Greece.
- 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.
- 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).
- 1987 - 1991 **PhD Candidate** Studies, Department of Agricultural Botany, Plant Sciences School, University of Reading, UK. (Supervising Prof. Philip John).
- 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.
- 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.

B. PARTICIPATION IN RESEARCH PROJECTS:

B1. BASIC AND APPLIED RESEARCH

- 2025-2028. “OliGUARD - Development of a framework to detect olive oil adulteration and authenticity utilizing high-throughput sequencing, molecular markers, and chemometrics”.** Transaction code: TAEDR-06183. Participation as **Principal Investigator/Group Leader**, Duration: 36 months (05/2025-04/2028), Budget: HMU-LBAP: 299.976 €. Sponsor: HFRI (Hellenic Foundation for Research and Innovation/ ΕΛΙΔΕΚ) (*Coordinator-HMU, Assoc. Prof. E.M. Trantas*).
- 2025-2027. “AENAON - Native edible plant species as determinants of biodiversity, local ecological knowledge and health-promoting food culture awareness”.** Transaction code: MIS 6006370. Participation as **Principal Investigator/Group Leader**, Duration: 24 months (05/2025-11/2026), Sponsor: Managing Authority of European Territorial Cooperation Programmes (INTERREG), Total Budget: 1.600.000€. Budget: HMU-LBAP: 79.000 €. (*Coordinator-HMU, Assist. Prof. A. Psaroudaki, Dept. Dietetics & Nutrition*),

Collaborating Institutes: Technological University of Cyprus, Regional Authority of South Aegean, Exelixis OE, LAONA Foundation-Cyprus.

ACTION "Flagship actions in interdisciplinary scientific areas with a special interest in the connection with the productive tissue". Greece 2.0 NATIONAL RECOVERY AND RESILIENCE PLAN

2023-2025. "Innovative solutions for the sustainable and environmentally friendly plant protection pest control of fruit and vegetable crops in Greece", Transaction code: TAEDR-0535675. Participation as **Principal Investigator/Group Leader**, Duration: 28 months (05/2023-09/2025), Total Budget: 4.915.000€. HMU-LBBA Budget: 220.000€. Sponsor: GSRI, ELLADA 2.0, Beneficiaries: Agricultural University of Athens (AUA) (**Coordinator**), Hellenic Agricultural Organization - DIMITRA, Benakeio Phytopathological Institute, Aristotle University of Thessaloniki, Democritus University of Thrace, Technology and Research Foundation, Hellenic Mediterranean University.

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

2022-2025 – NATIVINE - "Identification, evaluation and promotion of indigenous wine grape varieties and the special characteristics of their products". Code: T2EAK-02713. Participation as **Principal Investigator**, *Duration:* 30 months (12/2021-05/2024), *Total Budget:* 936.797,25€. HMU-LBBA Budget: 170.177,50€. *Sponsor:* GSRI, ESPA, ***Collaborating Institutes:*** Agricultural University of Athens (AUA) (**Coordinator**), Hellenic Mediterranean University (HMU)/LBBA, AUTH, FORTH- Institute of Informatics, UoC-Dep. of Biology, NOVACERT, Wine Cooperative of SAMOS, ARGATIA Co, Agricultural Winemaking Cooperative of TYRNAVOS, SIGALAS FARM Winery S.A., VITRO-HELLAS S.A..

2021-2023 – "CRETAN GREENS-4CLIMA PRO - Cretan native edibles as alternative new crops contributing to biodiversity conservation, protection of soil degradation and adaptation to climate change". Code: M16SYN-01106, **Principal Investigator**, *Duration:* 18 months, *Total Budget:* 5.000€. HMU-LBBA Budget: 5.000€. *Sponsor:* Ministry of Rural Development & Food of Greece, ACTION 1, UNDER SUB-MEASURES/ ΥΠΟΜΕΤΡΟ 16.1 - 16.5 OF THE PAA/ ΠΑΑ 2014-2020(**Coordinator**), Assoc Prof. K. Paschalidis, Assist. Prof. A. Psaroudaki, Hellenic Mediterranean University (HMU)/LBAP, ***Collaborating Institutes:*** Hellenic Agricultural Organization "DIMITRA" (ELGO-DIMITRA) / Institute of Genetic Improvement and Plant Genetic Resources (Thessaloniki), ETAM S.A. PRASINI OMADA MESSARAS IKE, CRETE

2021-2023 – Creation of the A.I.M.-H.Q. OIL: Cluster – COOPERATIVE FORMATION OF INNOVATION / SSK-I- 1st Funding of AROGOS – HMU Team (EK 651/2014). "A.I.M.-H.Q. OIL (Artificial Intelligence Machine – Learning High Quality Extra Virgin Olive Oil: Innovative Holistic Approach to the Formulation of Stable and Highest Quality Greek Extra Virgin Olive Oil Controlled at all Stages of an Integrated Supply Chain through the combination of Artificial Intelligence and State of the Art Technology". Action code: ΓΤ1CL-0058778. Funding Agency: General Secretariat of Research and Innovation (GSRI) (50%) and Property Development and Management Company - Hellenic Mediterranean University S.A. (PDMC-HMU, 50%), Operational program: EPANEK - Action 02, Competitiveness, Entrepreneurship and Innovation (Code MIS: 5070116). Participating as a **Team Coordinator Arogos – HMU Team AIM-HQ OIL, Principal Investigator**, Total Budget (€): 200.000,00€ (100.000€ GSRI/100.000€ PDMC-HMU), Start:15/07/2021, Duration 30 months (07/2021-12/2023).

2022-2023 – Operation of AROGOS – HMU Team as a Subcontractor in A.I.M.-H.Q. OIL: Cluster – COOPERATIVE FORMATION OF INNOVATION / SSK-I- 2nd Funding - Invitation of private companies (EK 651/2014). "A.I.M.-H.Q. OIL (Artificial Intelligence Machine – Learning High Quality Extra Virgin Olive Oil: "Innovative Holistic Approach to the Formulation of Stable and Highest Quality Greek Extra Virgin Olive Oil Controlled at all Stages of an Integrated Supply Chain through the combination of Artificial Intelligence and State of the Art Technology". Action code: ΓΤ2CL-0362777. Funding Agency: General Secretariat of Research and Innovation (GSRI) Participants: REGIONAL DEVELOPMENT COMPANY OF CRETE SA, ORGANIC CRETAN OLIVE OIL M LTD, HELLENIC INSTRUMENTS. IKE, QUALITY PLUS COINSEP, BOTZAKIS ANONIME-

COMMERCIAL- AGRICULTURAL-TOURISM AND HOTEL COMPANY, SAVEX SA AGRICULTURAL AND ESTATE ENTERPRISES, VASILAKIS EMM ANONIME OLIVE AGRICULTURAL COMMERCIAL COMPANY RISEON, Green Group Messaras IKE, TSOUDEROS EVANGELOS LIMITED LIABILITY COMPANY, I - FORCE (AI - FORS) COMMUNICATIONS ANONYMOUS COMMERCIAL ADVERTISING AND PUBLISHING COMPANY, Participating as a **Team Coordinator AROGOS – HMU Team AIM-HQ OIL, Principal Investigator**, Total Budget of Subcontractor 94.899,93€, Start:15/07/2022, Duration 18 months (07/2022-12/2023).

2018-2022 Agro4Crete: “Action for research in the AgroFood sector of Crete: Four Institutes, Four Τέσσερα Ιδρύματα, Four Reference Points” *Sponsor:* ESPA/GSRT, Operational Program: SAE 013, Implementation area: Crete, Code:193673/13-11-2018, Budget: 850.000€, Participation as **Principal Investigator**, *Duration:* 15/12/2018, till 15/12/2021, ***Collaborating Institutes:*** Hellenic Mediterranean University, School of Agricultural Sciences (***Coordinator***), Univ. of Crete, FORTH, NAGREF-Inst. of Olive and Subtropical Crops and Vitis.

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

2020-2023 – BIOCONTROL - “Sustainable Solutions for Bio-Control of Crop-Harmful Micro-Organisms and Crop Salinity Tolerance”. Code: T2EΔK-01859. Participation as **Principal Investigator**, *Duration:* 30 months (03/2020-08/2022), *Total Budget:* 936.696,60 €. Budget for HMU: 326.252,50 €. *Sponsor:* EPANEK-ESPA, ***Collaborating Institutes:*** FORTH-IMBB (***Coordinator***), Hellenic Mediterranean University/LBBA, NAGREF-Inst. of Olive and Subtropical Crops and Vitis, K&N EFTHIMIADIS A.B.E.E..

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.

2018-2021 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).

2018-2021 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.

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

2018-2022. 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:** a) **Hellenic Mediterranean University, School of Agricultural Sciences, Lab of Biological & Biotechnological Applications** (Coordinating Institute), b) Institute of Molecular Biology & Biotechnology - Foundation for Research and Technology, and c) Institute of Electronic Structure & Laser - Foundation for Research and Technology, **Collaborating Private companies:** a) PHARMAGNOSE S.A., b) RHODOLAND, and c) AGROCHEMICALS S.A..

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

2018-2022. 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).

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

2018-2022. 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).

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

2018-2022. 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 THEOFRASTOS / PAPPAS ANASTASIOS (Coordinating Institute), and β) Fruit Plants Gklavakis.

2017-2021. 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

2012-2015 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).

2012-2015 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)

2012-2015 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).

2012-2015 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).

2012-2015 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.

2006-2008 PEP- CRETE - “PHYTOYGELA: 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, 3rd 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€).

2005-2009 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, 3rd 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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- 2005-2006 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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- 2004-2006 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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- 2003-2006 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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- 1999-2001 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, 3rd 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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- 1999-2002 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, 3rd 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, 3rd 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-ÉCLAIR** - “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

2019-2024. 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 (till 04-2023).**

TEACHING EXPERIENCE

A. UNDERGRADUATE COURSES

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

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

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

09/1996 - 2016 “**Agricultural Chemistry**”, responsible for the outline of lectures and laboratory exercises. Taught compulsory (1st 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.

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) (7th 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.

09/2002 – 09/2023 “**Organization and Presentation of a Scientific Research Seminar**”. Responsible for the outline of lectures and Student presented Scientific Seminars. Taught compulsory course of the Plant Sciences Department (7th 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.

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

B. (POST)GRADUATE COURSES

10/2015 – 2023 “**Biotechnology Applications in Agricultural Production**”: Continuing education of the undergraduate course “**Agricultural Biotechnology**”. Εμβαθύνει 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.

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

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 (1st Semester) of Mediterranean Agronomic Institute of Chania (MAICh), Crete, Greece. Language English.

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

SUPERVISION AND MANAGEMENT OF LBBA/PBBL RESEARCH GROUP

A. POSTDOCTORAL RESEARCH ASSOCIATES (Present & Past)

05/2021 – 08/2023 - **Dr. Mermigka Glykeria**, Agriculturist, - Molecular Biologist (MSc, PhD, Molecular Biology, Dept. Plant Science, Agricultural University of Athens), (Project BIOCONTROL, HMU, Postdoctoral Research Associate)

05/2019 – 12/2023 - **Dr. Vavouraki Katerina**, Chemist, - (MSc, PhD, Dept Chemistry. Univ. of Crete), (Project ANTIOX-PLUS, HMU, Postdoctoral Research Associate)

05/2019 – 08/2020 - **Dr. Kavvadia Athanasia**, Agriculturist, - Molecular Biologist (MSc, PhD, Molecular Biology, Dept. Plant Science, Agricultural University of Athens), (Project INNOVA-PROTECT, HMU, Postdoctoral Research Associate)

05/2019 – 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).

09-2019 - 2022 **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.

05/2019 – 06/2019 **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).

01/2019 – 09/2019 **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).

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.

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). Currently, Associate Professor at the Hellenic Mediterranean University (HMU).

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).

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

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

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). Currently, Professor at the Hellenic Mediterranean University (HMU).

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

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

B. DOCTORAL THESIS SUPERVISION (Present & Past)

10/2025 – Today **Ioanna Dialyna**, Chemist Univ. of Athens, MSc Biochemist Hellenic Open Univ. 2003, (Research project AIM-HQ OIL/ Industrial Doctoral Thesis – Collaboration with AGROFOOD LAB IKE). Thesis title: “PHYTOSTEROLOIL: A molecular approach towards the investigation of the factors involved in the formation of the phytosterol profile of olive fruit and olive oil of Greek varieties”. Main Supervisor 3-member Scientific Committee.

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- 02/2022 – Today ***Giakoumakis Grigorios***, Chemist Univ. of Crete 2003, MSc Biochemist Univ. of Crete 2005, (Research project AIM-HQ OIL). Thesis title: “*Holistic approach to the investigation of molecular interactions in the shaping of the quality of Greek olive oil at all stages of the production chain*”. Main Supervisor 3-member Scientific Committee.
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- 12/2012 – 04/2019 ***Mougiou Niki***, Biologist, AUTH, One of the three Member Supervision Committee of PhD Candidacy with main Supervisor Assoc. Prof. K. Vlachonasis (AUTH) and Dr A. Makris (CERTH) Title: “Study of the heterologous expression of hydroxytyrosol production pathway of olive tissues in *Arabidopsis thaliana*”. Member and Examiner of the 3-member Scientific Committee.
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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. Main Supervisor 3-member Scientific Committee.
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- 4/2004 – 10/4/2009 ***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. Main Supervisor 3-member Scientific Committee.
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C. MASTER THESIS SUPERVISION (Present & Past)

- 09/2023 – 06/2024 ***Manousoudaki Kleanthi***, Agronomist T.E. (Agriculture, TEI Crete), MSc AGRO “Applied Science and Technology in Agriculture”, HMU, School of Agricultural Sciences. Department of Agriculture. MSc Thesis Title: “Antibacterial Formulations against members of Xanthomonadaceae family preventing plant diseases”. Main Supervisor (Rejected due to a change in subject area).
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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 ***Pavidou 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. Main Thesis Supervisor.
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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
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Committee in collaboration with the Biology Department of University of Crete. Main Thesis Supervisor.

D. OTHER COLLABORATORS SUPERVISION (Present & Past)

09/2012 – 05/2016 **Mpalantinaki Evagelia**, Agronomist, (BSc TEI-Crete). Supported by Research project THALIS, ARCHIMEDES III.

01/2008- 04/2023 **Strataridaki Argyro**, Agronomist- (BSc Plant Science – AUTH, -- MSc, Plant Physiology, 2006). Study of phenolic content and antioxidant activity of Greek red and white wines by means of classical methods and FTIR. Supported by Research projects: PEP-CRETE (2004-2006), OINOFASMA (2018-2021). Currently a **PhD Candidate**. I am the main member of her Supervising Committee for her PhD Degree.

09/2012 – 05/2016 **Pavlidis Theofilos**, Biochemist. BSc, Univ. Leeds, UK, MSc Univ. of Leicester, UK. Supported by Research project THALIS, ARCHIMEDES III.

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

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.

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).

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. Dilley, Department of Horticulture, Michigan State University, USA.

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).

AWARDS - FELLOWSHIPS

2006 - Today Invited Reviewer of Internationally renowned scientific journals

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

- ***Biotechnological Advances* - (IF, 11.848)**

- ***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)**

- **Guest Editor of Special Issue 2022 "*Advances in Plant Metabolic Engineering*" at *Molecules* (IF, 4.932)**

MANAGERIAL ACHIEVEMENTS

12/2024– Today **CERTIFICATE Q-CERT, EN ISO 9001:2015**, Research Services of Laboratory of Biological & Biotechnological Applications (LBBA) -Department of Agriculture, School of Agricultural Sciences - Hellenic Mediterranean University (HMU)

12/2016– 2023 **Representative of Hellenic Mediterranean University (HMU) 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).

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- 06/2016– 2018 **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.
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- 05/2019 – 08/2021 **Dean /Head of School of Agricultural Sciences (S.AGRI.S.)**, Hellenic Mediterranean University (Law Act 4610/ 2019) 3rd Tenure.
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- 09/2014 – 05/2019 **Dean /Head of School of Agriculture, Food & Nutrition**, TEI - Crete, Greece. (Government Statement (FEK) 551/ 10-09-2014).
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- 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
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- 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.
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- 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.
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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 (2 terms).
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- September 2008 **Invited speaker** to the “2nd International Symposium for the Quality Assurance and Marketing of Agricultural Commodities”, Organized by CRETACERT, Hersonissos, Heraklion-Crete (25-29/09/2008)
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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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- April 2005 - **Evaluator of research proposals** of the call of ARCIMEDES I Grant program.
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- 09/2002 - 09/2007 Elected Member of the 7-Member Committee of Research Accounts (Eidikos Logariasmos, ELKE) of TEI-Crete.
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- 09/1999 - 6/2003 **Head of Division of Biology Courses & Plant Protection**, Department of Plant Sciences, School of Agricultural Technology, TEI - Crete, Greece.
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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 - 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 και c) Pennsylvania State University Award for poster presentation.

SCIENTIFIC CONFERENCE ORGANISATION

12-16 February 2018. 1st 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.

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*.

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.

October 1999 19th Conference of Hellenic Scientific Society of Horticultural Science. Participation as Secretary General of the Organizing Committee.

COLLABORATIONS WITH OTHER RESEARCH INSTITUTIONS AND PRIVATE SECTOR

Company / Institution Name	Description of Collaboration
Spin-off " BIOMORE ",	Private Capital Company -VC funded & HMU (Start Up 2025)
ENTREPRENEURIAL CLUSTER AIM-HQ OIL	An entrepreneurial formation of collaboration of AROGOS-HMU Team with more than 30 Olive Oil producing companies of Greece (Funding SSK-I and SSK-II, https://aimhqoil.hmu.gr/)
APIGAIA S.A. / SYMBEEOSIS	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
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: ARCHIMEDES I, PENED 2003, PEP- CRETE 2006
BIORYL S.A.	Collaborating Principal Investigator Prof. Ntourntoglou Vasilis (Dual appointment TEI Athens) in the following projects: ARCHIMEDES I.

UNIVERSITY OF CRETE	Collaborating Principal Investigator Prof. N.J. Panopoulos in the following projects: ARCHIMEDES I, PENED 2003, PENED 99, PEP- CRETE 2006 and BIOPRO .
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: ARCHIMEDES I, ARCHIMEDES III PENED 2003 .
NATIONAL KAPODISTRIAN UNIVERSITY OF ATHENS	Collaborating Principal Investigator Prof. Skaltsounis Leandros in the following projects: ARCHIMEDES III, PEP- CRETE 2006
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: ARCHIMEDES I, PENED 2003 .
TECHNICAL UNIVERSITY OF BRAUNSCHWEIG, INSTITUT FOR LEBENSMITTEL-CHEMIE	Collaborating Principal Investigator Prof. Dr. Peter Winterhalter in the following projects: PHYTOHEALTH, IKY-DAAD .
UNIVERSITY OF CRANFIELD, INSTITUTE OF BIOSCIENCE AND TECHNOLOGY, UK	Collaborating Principal Investigator Prof. Naresh Magan in the following projects: PEP- CRETE 2006 .
AGRICULTURAL UNION OF COOPERATIVES OF MONOFATSI, ASIMI OF MONOFATSI – HERAKLION CRETE	Sponsor of research grants and collaborator in the following projects: PEP- CRETE 2006
RENSSELAER POLYTECHNIC INSTITUTE, CENTER FOR BIOTECHNOLOGY AND INTERDISCIPLINARY STUDIES, NY, USA	Collaborating Principal Investigator Prof. Mattheos Koffas. in the following projects: THALIS, ARCHIMEDES III, ARCHIMEDES I .

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.

[\[https://rdg.ent.sirsidynix.net.uk/client/en_GB/library/search/detailnonmodal/ent:\\$002f\\$002fSD_ILS\\$002f0\\$002fSD_ILS:457260/one?qu=Characterisation+and+partial+purification+of+the+enzyme+responsible+for+ethylene+synthesis+from+1-aminocyclopropane-1-carboxylic+acid+in+plant+tissues&lm=EXCL_LR2\]](https://rdg.ent.sirsidynix.net.uk/client/en_GB/library/search/detailnonmodal/ent:$002f$002fSD_ILS$002f0$002fSD_ILS:457260/one?qu=Characterisation+and+partial+purification+of+the+enzyme+responsible+for+ethylene+synthesis+from+1-aminocyclopropane-1-carboxylic+acid+in+plant+tissues&lm=EXCL_LR2)

B. PATENTS PENDING

1. **Ververidis Filippos**, Andreas Theocharis, Emmanouil Trantas, **2022**. Antibacterial formulations against members of Xanthomonadaceae family preventing plant diseases (EP22386086.7). **European Patent Office (EPO)**. Patent Pending.
2. **Patent application expanded** (26-11-2023) to new submission to WIPO - World Intellectual Property Organization through the EPO, with PCT (Patent Cooperation Treaty) Application number PCT/EP2023/083084, Co-applicant Special Research Fund Account (ELKE) Hellenic Mediterranean University.
3. Ververidis Filippos, Emmanouil Trantas, 2026. Hellenic Industrial Property Organization (OBI): Application No. 20260100053 (2026), "Antimicrobial Formulations pH-Adjustable Hydroxytyrosol for Immediate and Prolonged Plant Protection". This application is intended to

form the basis of a subsequent European Patent Office (EPO) submission.

- Vondzalidou Argyro, Patrona Angelidou-Vezyraki, Ioannis Simos, Garifalia Okonomou-Antonaka, **Filippos Ververidis**, Emmanuel Trantas, Maria Halampalaki (OBI 6337/29- 11-2022).
4. Combination of hydroxytyrosol and essential oils of sage oregano and kritam for the development of a nutritional supplement.
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C. RESEARCH PAPERS PUBLISHED IN SCIENTIFIC JOURNALS

Peer reviewed

Referred in **Scopus**, h-index = 20 (Total Citations: >2170)

(<https://www.scopus.com/authid/detail.uri?authorId=56028337800>).

Referred in **Google Scholar**, h-index: 22 (Total Citations: >3200)

(https://scholar.google.gr/citations?hl=en&user=XwyAcEgAAAAJ&view_op=list_works&sortby=pupdate).

Peer-Reviewed

1. Kalampokis E., Th. Nikou, Ef. Panteli, D. Michailidis, Emm. Trantas, **F. Ververidis**, M. Halabalaki, 2025. "Streamlined isolation of *E. coli* biofactory metabolites using centrifugal extraction and partition chromatographic techniques. New hydroxytyrosol derivatives", *Journal of Chromatography A*, Vol. 1757, Pages 466103, <https://doi.org/10.1016/j.chroma.2025.466103>
2. Anagnostopoulou O., Tsaniklidis G., Paschalidis K., **Ververidis F.** 2025 "Gene Expression Profiling and Qualitative Characteristics in Delaying Flesh Softening of Avocado Fruits", *Genes*, 15(7), 860. <https://doi.org/10.3390/genes15070860>.
3. Mermigka G., Vavouraki A. I., Nikolaou Ch., Cheiladaki I., Vourexakis M., Goumas D., **Ververidis F.**, Trantas E., 2023. "An Engineered Plant Metabolic Pathway Results in High Yields of Hydroxytyrosol Due to a Modified Whole-Cell Biocatalysis in Bioreactor". *Metabolites*, 13 (11), 1126. <https://doi.org/10.3390/metabo13111126>. (IF, 4.1)
4. Tserevelakis George J., Theocharis Andreas, Spyropoulou Stavroula, Trantas Emmanouil, Goumas Dimitrios, **Ververidis Filippos** and Giannis Zacharakis, 2023. "Hybrid autofluorescence and optoacoustic microscopy for the label-free, early and rapid detection of pathogenic infections in vegetative tissues". *Journal of Imaging (MDPI)*, 9(9), 176; <https://doi.org/10.3390/jimaging9090176>. (IF, 3,2)
5. Simos Yannis V., Stelios Zerikiotis, Panagiotis Lekkas, Christianna Zachariou, Maria Halabalaki, **Filippos Ververidis**, Emmanouil A. Trantas, Konstantinos Tsamis, Dimitrios Peschos, Charalampos Angelidis, Patra Vezyraki, 2023. "Hydroxytyrosol produced by engineered *Escherichia coli* strains activates Nrf2/HO-1 pathway: an in vitro and in vivo study". *Experimental Biology and Medicine*, 248 (18), 1598-1612. <https://doi.org/10.1177/15353702231187647>. (IF 3,2)
6. Simos YV, Zerikiotis S, Lekkas P, Athinodorou AM, Zachariou C, Tzima C, Assariotakis, A., Peschos, D., Tsamis, K., Halabalaki, M., **Ververidis, F.**, Trantas, E. A., Economou, G., Tarantilis, P., Vontzalidou, A., Vallianatou, I., Angelidis, C., Vezyraki, P., 2023. "Oral Supplementation with Hydroxytyrosol Synthesized Using Genetically Modified *Escherichia coli* Strains and Essential Oils Mixture: A Pilot Study on the Safety and Biological Activity". *Microorganisms*;11(3), 770. <https://doi.org/10.3390/microorganisms11030770>. (IF 4,5)
7. Kalampokis E, Panteli E, Michailidis D, Trantas E, **Ververidis F.**, Nikou T, et al. 2023. "*Escherichia coli* biofactories as an alternative reservoir of human hydroxytyrosol metabolites". *Planta Medica*. 2023;89(14):P-230. (Presented also at the 71st International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA) Trinity College Dublin Ireland, 02.–05.07.2023). (IF, 3.007)
8. Malliarakis D, Pagoulatou MG, Mpalantinaki E, Trantas E, **Ververidis F.**, Goumas DE. 2023. Phylogenetic diversity of *Clavibacter michiganensis* subsp. *michiganensis* isolates causing bacterial canker of tomato in Greece. *Journal of Plant Pathology*, 1-17, <https://doi.org/10.1007/s42161-023-01375-4>. (IF 2,2)
9. Tampakianakis S, Trantas E, Avramidou EV, **Ververidis F.**, 2023. "Vitis vinifera genotyping toolbox to highlight diversity and germplasm identification". *Frontiers in Plant Science*; 14: 1139647, 1-13. DOI: [10.3389/fpls.2023.1139647](https://doi.org/10.3389/fpls.2023.1139647). (IF, 5,6)
10. Kontaxakis E, Atzemopoulos A, Alissandrakis E, **Ververidis F.**, Trantas E. 2022. "Evolution of Physicochemical Properties and Phenolic Maturity of Vilana, Vidiano, Kotsifali and Mandilari Wine

- Grape Cultivars (*Vitis vinifera* L.) during Ripening. *Plants* (Basel); 11(24): 3547, DOI: [10.3390/plants11243547](https://doi.org/10.3390/plants11243547). (IF, 4,5)
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11. Trantas EA, Malliarakis D, Mpalantinaki EE, Pagoulatou MG, Markakis EA, **Ververidis F**, et al. Characterization of *Pseudomonas viridiflava* isolates associated with a new leaf spot disease in *Cichorium* species. *Journal of Plant Pathology* 2022;104(3):1061-70. □ DOI: <https://doi.org/10.1007/s42161-022-01134-x> (IF 2,2)
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12. Kontaxakis Emmanouil, Trantas Emmanouil and **Filippos Ververidis**, (2020). Resveratrol: A fair Race Towards Replacing Sulfites in Wines. *Molecules*, 25(10): 2378, DOI: [10.3390/molecules25102378](https://doi.org/10.3390/molecules25102378). (IF, 4,6)
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13. 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>. (IF, 3,75)
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14. 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>. (IF, 4,76)
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15. Mantzourou, Antonia & **Ververidis, F.** (2018). Microalgal biofilms: A further step over current microalgal cultivation techniques. *Science of The Total Environment*. <https://doi.org/10.1016/j.scitotenv.2018.09.355>. (IF, 10,94)
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16. Mougiou N., Triikka F, Trantas E., **Ververidis F.**, Makris A., Argiriou A. and K. E Vlachonasios (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. <https://doi.org/10.1016/j.plaphy.2018.05.004> (IF, 4,27)
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17. 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>. (IF, 3,2)
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18. 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. <https://doi.org/10.1094/PDIS-10-17-1568-PDN> (IF, 4.614)
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19. 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. <https://doi.org/10.1094/PDIS-04-17-0498-PDN> (IF, 4.614)
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20. 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 – Notes*: 100(10), 2158. <https://doi.org/10.1094/PDIS-03-16-0312-PDN> (IF, 4.614)
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21. 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](https://doi.org/10.3389/fmicb.2015.00811). (IF, 5,2)
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22. 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." *Current Opinion Biotechnology*, 36: 205-214. DOI: <https://doi.org/10.1016/j.copbio.2015.09.007>. (IF, 7,7)
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23. 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](https://doi.org/10.3389/fpls.2015.00007). (IF, 5,6)
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24. 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](https://doi.org/10.1111/ppa.12261). (IF, 2,2)
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25. 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. DOI: <https://doi.org/10.1007/s10658-013-0258-8>. (IF, 2,0)

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26. 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. <https://doi.org/10.1093/aobpla/plt031> (IF, 3.138)
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27. Sarris, P., Trantas, E., Baltrus, D., Bull, C. T., Wechter, W. P., Shuangchun, Y., **Ververidis, F.**, Almeida, N. F., Jones, C. D., Dangel, 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. DOI: [10.1371/journal.pone.0059366](https://doi.org/10.1371/journal.pone.0059366) (IF, 3,75)
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28. 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 <https://doi.org/10.1371/journal.pone.0036090> . (IF, 3,75)
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29. 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 Disease*, 96, 8. <https://doi.org/10.1094/PDIS-03-19-0483-PDN> (IF, 4.614)
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30. Sarris PF, Trantas EA, Pagoulitou 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. <https://doi.org/10.5197/j.2044-0588.2011.024.021> (IF, 0,97)
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31. 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. <https://doi.org/10.1016/j.ymben.2009.07.004> (IF, 8,4)
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32. 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. DOI: [10.2175/106143007x221229](https://doi.org/10.2175/106143007x221229) (IF, 3,21)
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34. 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. (IF, 2,4)
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35. Trantas, E., Panopoulos, N. and **F. Ververidis**. 2008. Heterologous biosynthesis of resveratrol, genistein and kaempferol from *Saccharomyces cerevisiae*. *Planta Medica*. 74, 1163-1163. (IF, 3,007)
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36. 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 CH₄ and CO₂ emission rate estimations in landfills. *Science of The Total Environment*, 389:522-531. <https://doi.org/10.1016/j.scitotenv.2007.08.033> (IF, 10,94)
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37. Mavrakis T., Agalias A., Skaltsounis A.L., **Ververidis F.** (2008a). Application of bioactive plant substances from olive tissues and grapes pomace in non-chemical disease control. *Planta Med.* vol. 74, p.1132.
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38. Mavrakis T., Agalias A., Skandalis N., Skaltsounis A. L., Panopoulos N., Goumas D., **Ververidis F.** (2008b). Exploring the potential of natural substances from olive and grape pomace in phytoprotection. *Planta Medica*, 74: 1133. (IF, 3,007)
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39. **Ververidis, F.**, Trantas, E., Douglas, C., Vollmer, G., Kretzschmar, G., Panopoulos, N., 2007a Biotechnology of flavonoids and other phenylpropanoid-derived natural products. Part I: Chemical diversity, impacts on plant biology and human health. *Biotechnology Journal*, 2, 1214-1234. <https://doi.org/10.1002/biot.200700084> (IF, 5,726)
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43. **Ververidis F.**, Davrazou F., Diallinas G., Georgakopoulos D., Kanellis A. K. and Panopoulos N. 2001. A novel putative reductase (Cpd1p) and the multidrug exporter Snq2p are involved in resistance to cercosporin and other singlet oxygen-generating photosensitizers in *Saccharomyces cerevisiae*. *Current Genetics* 39: 127-136. <https://doi.org/10.1007/s002940100189> (IF, 2,5)
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C. PROCEEDINGS OF NATIONAL / INTERNATIONAL CONFERENCES (PEER REVIEWED)

1. Grigorios Giakoumakis, Christos Bazakos, Emmanouil Trantas, Ioanna Cheiladaki and **Filippos Ververidis**. Holistic comparative transcriptomic analysis to investigate the factors affecting the quality of *Koroneiki* olive fruit and olive oil due to different cultivation practices in Crete-Greece". Invited presentation presented at the International Conference on Sustainability in Olive Cultivation (ICSOC 2025), Úbeda (Jaén-Spain), 25th - 26th September 2025.
 2. Nikolaos Piperakis, Elisavet Makridopoulou, Emmanouil Trantas, Ioanna Cheiladaki and **Filippos Ververidis**. "The Plant Protective and Biostimulant Effect of the Patented Formulation BIOMORE on Various Plant Pathogenic *Bacteria in vitro* and *in vivo*". Poster presented at the International Conference on Sustainability in Olive Cultivation (ICSOC 2025), Úbeda (Jaén-Spain), 25th - 26th September 2025.
 3. Glykeria Mermigka, Konstantina Tavla, Entiona Ntoko, Fotini Pagkali, Symeon Asvestas, Eirini-Slavka Polovina, Ioanna Cheiladaki, Dimitrios Goumas, Filippos Ververidis, Emmanouil Trantas. Evaluation of the antimicrobial activity of yeasts isolated from grape musts of Greek native varieties against phytopathogenic microorganisms. 21th Phytopathology conference, 4-7 October 2024, Paphos, Cyprus
 4. Eirini-Slavka Polovina, Emmanouil Kontaxakis, Glykeria Mermigka, Ioanna Cheiladaki, Georgios Kousis-Tsampazis, Panagiotis Matzavras, Emmanuel Ladoukakis, Pavlos Pavlidis, Dimitrios Goumas, **Filippos Ververidis**, and Emmanouil Trantas. "Identification of native Greek wine grapevine varieties using next generation sequencing. 11th International conference on ICT in Agriculture, Food & Environment, 17-20 October 2024, Karlovasi, Samos, Greece
 5. E. Trantas, G. Mermigka, D. Goumas, A. Theocharis, M. Delisavva, C. Nikolaou, M. Messaritaki, A. Vavouraki, **F. Ververidis**. Biotechnologically produced bioactive compounds of plant origin to exploit in plant protection. 12th International Congress of Plant Pathology, 20-25 August 2023, Lyon, France
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D. PUBLICATIONS IN CHAPTER OF GREEK BOOKS

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