

**Current position/ situation:**

Professor of Plant Pathology - Bacteriology, Laboratory of Phytobacteriology, Department of Agriculture, School of Agriculture, Food and Nutrition, TEI of Crete, P.O. 1939, 71 004 Heraklion - Crete, Greece. Phone +30-2810.37 9459. E-mail: [dgoumas@staff.teicrete.gr](mailto:dgoumas@staff.teicrete.gr); [gkoumasdimitris@gmail.com](mailto:gkoumasdimitris@gmail.com).

**Education:**

MSc: 1983, Plant Pathology, University Pierre and Marie Curie, Paris VI, France

PhD: 1987, Plant Pathology (Bacteriology), University Pierre and Marie Curie, Paris VI, France

**Professional chronology:**

**2003 - Present:** Professor of Plant Pathology in the T.E.I. of Crete

**2016 - Present:** Director of Laboratory of Biological & Biotechnological Applications, TEI of Crete

**2010 – 2014:** Director of the School of Agriculture, Food & Nutrition

**2008 – 2010:** Head of Department of Agriculture, School of Agriculture, Food & Nutrition, T.E.I. of Crete

**2003 – 2007:** Assistant Professor of Plant Pathology in the T.E.I. of Crete

**1998 – 2003:** Sub - Director Plant Protection Institute, National Agricultural Research Foundation (NAGREF), Heraklion, Crete

**1985 – 2003:** Researcher, NAGREF, Heraklion, Crete, Head of the Laboratory of Bacteriology

**Professional experiences:**

Prof Goumas has an experience of more than thirty years on the detection and identification of phytopathogenic bacteria of vegetables and tree crops, by using standard/classical bacteriological, serological and molecular methods. He was responsible of Phyto-Bacteriology lab of Plant Protection Institute (NAGREF) from 1985 since 2002. Since 2003, he is assistant professor of phytopathology - bacteriology at the Technological Educational Institute of Heraklion, Crete, Greece, and currently professor of Plant Pathology at the same Institute. Prof. Goumas directs the Phyto-Bacteriology Laboratory (TEI of Crete), which is the reference laboratory (since 1993) approved by the Greek Ministry of Agriculture for the surveillance and monitoring of quarantine pathogens for the whole Region of Crete. He is closely collaborated with Benaki Phytopathological Institute for the local (Crete) annual surveys on quarantine phytopathogenic bacteria. The activity of this qualified team involves applications of various techniques, such as, conventional – standard microbiological, serological (ELISA, IF), molecular (PCR, Real Time PCR) tests, for the detection of plants quarantine bacteria including *Xylella fastidiosa*. There is also strong collaboration with the local/ regional/state phytosanitary agencies (e.g. Regional Centre Plant Health Inspection Service & Quality Control). His research interests are focused on detection, characterization, identification, epidemiology and control of plant pathogenic bacteria associated with vegetables, floral and fruit tree crops. An applied emphasis of his work is in the area of biological control of diseases and the integrated and sustainable management of plant disease organisms. He has functioned broadly in these respects, in teaching, research and extension. He advises others informally concerning bacterial diseases and the identification and manipulation of the pathogens. Until today, he has been the author of 47 papers in referred journals (h-index: 9) and has been presented in more than 40 papers in proceeding of national and international conferences. Over 30 years of teaching and training activities (lectures, seminars, practical courses) on General Plant Pathology, Advanced Plant Pathology, Bacteriology, Soil Microbiology Ecosystems, Plant Protection, Advanced Plant Protection of field crops, Plant Protection of Floriculture & Greenhouse Crops, Food Microbiology and on Supervision of undergraduate, graduate students (MSc and PhD).

**Selected publications with relevance to the COST Action:**

- 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* 100, 10, p 2158, [dx.doi.org/10.1094/PDIS-03-16-0312-PDN](https://doi.org/10.1094/PDIS-03-16-0312-PDN)
- Trantas, E. A., P. F. Sarris, M. G. Pentari, E. E. Mpalantinaki, **F. N. Ververidis** and **D. E. Goumas (2015)**. "Diversity among *Pseudomonas corrugata* and *Pseudomonas mediterranea* isolated from tomato and pepper showing symptoms of pith necrosis in Greece." *Plant Pathology* 64(2): 307-318, doi: 10.1111/ppa.12261
- Trantas, E. A., G. Licciardello, N. F. Almeida, K. Witek, C. P. Strano, Z. Duxbury, **F. Ververidis**, **D. E. Goumas**, J. D. Jones, D. S. Guttman, V. Catara and P. F. Sarris (2015). "Comparative genomic analysis of multiple strains of two unusual plant pathogens: *Pseudomonas corrugata* and *Pseudomonas mediterranea*." *Frontiers in Microbiology* 6: Article 811, doi:10.3389/fmicb.2015.00811
- Trantas, E. A., P. F. Sarris, E. E. Mpalantinaki, M. G. Pentari, **F. N. Ververidis** and **D. E. Goumas (2013)**. "A new genomovar of *Pseudomonas cichorii*, a causal agent of tomato pith necrosis." *European Journal of Plant Pathology* 137(3): 477-493
- Sarris, P. F., E. A. Trantas, D. A. Baltrus, C. T. Bull, W. P. Wechter, S. Yan, F. Ververidis, N. F. Almeida, C. D.

Jones, J. L. Dangl, N. J. Panopoulos, B. A. Vinatzer and **D. E. Goumas (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

- Sarris, P. F., E. A. Trantas, E. Mpalantinaki, F. N. Ververidis, S. E. Gouma and **D. E. Goumas (2012)**. "First report of *Pseudomonas viridiflava* causing a bacterial blight of artichoke bract leaves." Plant Disease 96(8): 1223-1223
- 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: e36090.