George Karaoglanidis
- CURRICULUM VITAE

PERSONAL DATA

Name: George Karaoglanidis
Date and Place of Birth: 26/1/1971, Thessaloniki
Work Address: Aristotle University of Thessaloniki, Faculty of Agronomy, Forestry and Natural Resources, Laboratory of Plant Pathology, POB 269, 54124, Thessaloniki, Greece

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WORK EXPERIENCE

PROFESSOR IN PLANT PATHOLOGY, 2022-Currently
Department: Laboratory of Plant Pathology, School of Agriculture, Aristotle University of Thessaloniki

ASSOCIATE PROFESSOR IN PLANT PATHOLOGY, 2017 – 2022
Department: Laboratory of Plant Pathology, School of Agriculture, Aristotle University of Thessaloniki

ASSISTANT PROFESSOR IN PLANT PATHOLOGY, 2012 – 2017
Department: Laboratory of Plant Pathology, School of Agriculture, Aristotle University of Thessaloniki

LECTURER IN PLANT PATHOLOGY, 2007 – 2012
Department: Laboratory of Plant Pathology, School of Agriculture, Aristotle University of Thessaloniki

VISTING RESEARCHER, 2007
Kearney Agricultural Station, University of California, US

HEAD OF PLANT PROTECTION DEPARTMENT, 2001-2007

Hellenic Sugar Industry S.A., Sugar Factory, Platy Imathias

ACADEMIC TRAINING

PhD IN PLANT PATHOLOGY, 1996 – 2000 – THESSALONIKI, GREECE

Institution: School of Agriculture, Aristotle University of Thessaloniki

Field of study: Plant Pathology

MSc IN PLANT PROTECTION, 1994 – 1996 – THESSALONIKI, GREECE

Institution: School of Agriculture, Aristotle University of Thessaloniki

Field of study: Plant Protection

MSc IN HORTICULTURAL SCIENCES, 1993-1994, CHANIA, GREECE

Institution: Mediterranean Agronomic Institute (CIHEAM)

Field of study: Horticulture – Subtropical Crops

BSc IN AGRONOMY, 1988 – 1993 – THESSALONIKI, GREECE

Institution: School of Agriculture, Aristotle University of Thessaloniki
Field of study: Plant Production

SCHOLARSHIPS

- 1991-92 Scholarship from State Scholarship Foundation (IKY) for undergraduate studies
- 1994-1997 Scholarship from IKY for postgraduate studies after exams
- Scholarship from Deutcsher Akademischer Austausch Dienst (DAAD) for short term visit at the Faculty of Biology, University of Kaiserslautern, Germany, after successful evaluation of a research proposal

LANGUAGE SKILLS

Greek: Mother tongue
English: Fluent
Italian: Fluent

RESEARCH ACTIVITY

Research Interests

- Fungicide resistance (detection and mechanisms of resistance, fitness of resistant strains,
  development of antiresistance strategies)
- Chemical control of plant diseases
- Etiology of fungal plant diseases and studies on population variability

- Etiology of postharvest fruit rot diseases and development of novel control methods
- Development of plant fungal pathogens` detection and identification methods
- Development of diagnostic molecular tools for pathogen detection
- Biological control of plant pathogens using beneficial microorganisms

KEY CONTRIBUTIONS TO FIELD

Professor Karaoglanidis is internationally recognized for pioneering work on:

- Molecular characterization of fungicide resistance mechanisms in Botrytis cinerea
- Development of molecular diagnostic tools for rapid detection of resistant strains
- Understanding multidrug resistance (MDR) and efflux transporter overexpression in plant pathogens
- Population genetics and structure of Botrytis species complex across different crops and geographic regions
- Fitness costs and competitive ability of fungicide-resistant fungal strains

RESEARCH FUNDING

COMPETITIVE RESEARCH GRANTS (COORDINATOR OR SCIENTIFIC RESPONSIBLE)

1. RESEARCH - INNOVATE, ΕΚΠΑΡ03-0075587, Green technologies for sustainable production of grapevine propagative material, 2025-2028
2. HORIZON-CL6-2023-BIODIV-01-14, Project 101135088 — SHIELD4GRAPE. Breeding and Integrated Pest Management strategies to reduce reliance on chemical pesticides in grapevine, 2024-2027
3. European Union-Next Generation EU, Greece 2.0 National Recovery and Resilience plan. (M16ΣΥΝ2-00094). Project title: Evidence based management of pesticide resistance in vegetable crops, 2023-2025
4. European Union-Next Generation EU, Greece 2.0 National Recovery and Resilience plan. (M16ΣΥΝ2-00088). Project title: Electrolyzed water: A green innovation for the management of Brown rot on stone fruits, 2023-2025
5. Hellenic Foundation for Research and Innovation (H.F.R.I.) under the "2nd Call for H.F.R.I. Research Projects to support Faculty Members & Researchers" (Project Number: 2959), Project title: Multiple (MLR) and Multidrug Resistance (MDR) to fungicides in *Botrytis cinerea*: unraveling resistance mechanisms and elucidating interactions with biological control agents using "omic" approaches**,** 2022-2025
6. T2EDK-05084 "RESEARCH - CREATE - INNOVATE Cycle B" Optimization of the production of propagative material of grapevine using biological and biotechnological methods 2020-2022,
7. Support of Researchers with emphasis to new researchers. ΕΔΒΜ-MIS 5047881, Organic vs conventional vineyards: Population dynamics of Black Aspergilli microbiome and mycotoxin risk assessment. 2020-2021
8. Τ**1ΕΔΚ-04142, "RESEARCH - CREATE - INNOVATE Cycle A"** support measure is funded by the Operational Programme Competitiveness, Entrepreneurship and Innovation 2014-2020 (ΕΡΑnΕΚ), Title: Optimization of the production of propagative material of

vegetable crops and plant protection management in the greenhouses with biological and biotechnological methods. 2018 – 2021

9. **Τ1ΕΔΚ-1492, "RESEARCH - CREATE - INNOVATE Cycle A"** support measure is funded by the Operational Programme Competitiveness, Entrepreneurship and Innovation 2014-2020 (EPAnEK), Title: Development of Innovative Nanocopper-based Formulations for Agricultural Applications, 2018 – 2021,
10. **Τ1ΕΔΚ-04591, "RESEARCH - CREATE - INNOVATE Cycle A"** support measure is funded by the Operational Programme Competitiveness, Entrepreneurship and Innovation 2014-2020 (EPAnEK), Title: Integrated improvement of clingstone peach cultivation and fruit quality, by developing an innovative infrastrure of distributed field data collection and analysis, 2018 – 2021,
11. **Support of Researchers with emphasis to new researchers.** ΕΔΒΜ -MIS: 5004852, Title: Resistance of Penicillium expansum population to fungicides and transcriptomic investigation of the MDR mechanism of resistance. 2018 – 2019
12. **Cooperation 2009,** Brown Rot of stone-fruit: Etiology, molecular and biological characterization of causal agents, 2012-2015

COMPETITIVE RESEARCH GRANTS (MEMBER OF THE RESEARCH TEAM)

13. European Union TAEDR-0535675 - European Union-Next Generation EU, Greece2.0 National Recovery and Resilience plan, National Flagship Initiative "Agriculture and Food Industry", Project Title: Innovations in Plant Protection for sustainable and environmentally friendly pest control, 2023-2026
14. General Secretariat of Research and Technology, GSRT, Greece, (Project Code:2018ΣΕ01300000), **Project Title**: **Graperoutes**, 2019-2022
15. **Emblematic Action "Olive Roads"**, 2019-2021.
16. **COOPERATION 2011,** Title: Envioronmental optimization of viticulture using precision agriculture technologies. 2013-2015
17. **Thales -** Title: Development of IT and molecular diagnostics tools for improving the sustainability of pesticide based approaches to control agricultural pests of major economic importance in Greece", 2012 – 2015
18. **Thales -** Title: The use of ozone technology in postharvest physiology of horticultural commodities**.** 2012 – 2015
19. **Support of SMEs –** Title: Production of stone- and pome fruit vegetative material with modern biological and biotechnological approaches 2012-2015
20. **COOPERATION 2009**. «Title: Improvement of fruit trees vegetative material production using modern biological and biotechnological methods, 2012-2015
21. FP7-SME-2008-2011 - Sustainable innovation technology in plant nursery process improving plant quality and safety, 2008-2011
22. **Pythagoras I.** Title: Genes and Pesticides: Development of molecular methods for the identification of fungicide resistant strains, 2004-2006
23. **PAVET,** Title: Use of humic and fulvic acids in plant protection, 2000-2001
24. **PAVET,** Title:Yield loss assessments and development of integrated control of diseases in greenhouse grown crops in the Perfevture of Thessaloniki, 1995-1996

INDUSTRY-FUNDED PROJECTS (RECENT)

Numerous projects evaluating biological and chemical fungicides for disease control in various crops, including:

25. Evaluation of biological seed treatments for cotton damping-off diseases (2023-2024)
26. Assessment of biocontrol agents against grapevine trunk diseases (2021-2023)
27. Efficacy testing of novel fungicides against stone fruit pathogens (2022-2023)
28. Management of olive anthracnose and peacock spot diseases (2022-2023)
29. Control of cotton damping-off pathogens with the fungicide Systiva (2018)
30. Effects of fluopyram as nematicide on the selection of SdhB mutations in B. cinerea populations from tomato greenhouses (2017 – 2018)
31. Effects on Serenade Max on the control of SdhB mutants of B. cinerea popoulations from tomato greenhouses, (2017 – 2018)
32. Investigation on the etiology, epidemiology and control of apple fruit core rot in the region of Zagora (2017 – 31/12/2018)
33. Study on the long-term effects of grapevine infection by grapevine trunk diseases and their control using the fungicide BAS 516 17F, (2017 – 2019),
34. Monitoring of leafy vegetables health and laboratory identification of disease causal agents, (2016 – 2018)
35. Control of soilborne diseases of tomato and cucumber with the biofungicides Serifel and Trichoplus (2014)
36. Biological control of gray mold disease of strawberries with *Baccilus subtilis* and effect on the evolution of fungicide resistance, (2014)

TEACHING ACTIVITIES

UNDERGRADUATE TEACHING

Aristotle University of Thessaloniki, (School of Agriculture)

2022—CURRENTLY

- N027Y - Plant Pathology, (5th semester, mandatory, basic course, co-teaching)
- N551Y, Diseases of vegetable and field crops, (7th semester, mandatory, specialty-orientation Plant production, co-teaching)
- N572E, Plant Disease Diagnosis and Management, (elective, Specialty orientation: Plant Production)

2014-2021

- N027Y, Plant Pathology, (5th semester, mandatory, basic course, co-teaching)
- N506Y, Special Plant Pathology, (8th semester, mandatory, specialty-orientation Plant production, co-teaching)
- N558E, Plant Disease Management, (elective, Specialty orientation: Plant Production, co-teaching)
- N556E, Plant Disease Diagnosis, (elective, Specialty orientation: Plant Production, co-teaching)

2007-2014

- 641Y, 701Y, 801Y, 803Y General Plant Pathology - Lectures and Laboratory, (5th semester, mandatory, basic course, co-teaching)
- 812Y, Fungal Diseases of Vegetable and Ornamental Crops, (8th semester,

mandatory, specialty-orientation Plant Protection

- 814Y, Fungal Diseases of Vegetable and Ornamental Crops - Laboratory, (8th semester, mandatory, specialty-orientation Plant Protection)
- 826Y, Fungal Diseases of Fruit Crops and Grapevines (Lab), (10th semester, mandatory, specialty-orientation Plant Protection)
- 841E, Topics in Plant Protection, (elective, specialty orientation: Plant Protection)

Democritus University of Thrace (Department of Agricultural Development)

2004-2005

- Plant Pathology
- Fungal Diseases of Industrial and Cereal crops

Technological Institute of Thessaloniki (Department of Plant Production)

2001-2007

- Plant Pathology

POSTGRADUATE TEACHING

Aristotle University of Thessaloniki, (School of Agriculture)

2021- CURRENTLY

MSc Programme 'Modern Plant Protection and Biotechnological Applications':

- ΣΦΠ106Y- Modern Approaches in Plant Disease Management

2008-2019

- EFN 711- Advanced courses in Mycology
- EFN710 - Advanced Courses of Pathogenesis
- EFN 717- Integrated Management of Plant Diseases
- EFN 716 - Special Topics in Plant Pathology
- OAN 712 - Grapevine Diseases

International University of Greece

2017-2019
«Integrated Disease Management» in the Program «MSc in Sustainable Agriculture and Business»

Thesis supervision

PhD THESES SUPERVISION

Supervisor of 6 completed PhD Theses

1. Thomas Velukas (2013), Biological activity of the carboxamide fungicide fluopyram and characterization of resistant strains of Botrytis cinerea
2. Papavasileiou Antonios, (2017), Brown rot of stone fruit: Molecular and Biological characterization of the causal agents
3. Samaras Anastasios, (2021), Characterization of *Bacillus subtilis* MBI600 as biocontrol agent against plant pathogens and plant growth promotion
4. Ntasiou Panagiota, (2023), Postharvest rots of apple fruit: Etiology, chemical control and fungicide resistance development
5. Testempasis Stefanos, (2023), Black Aspergilli on grapes: Influence of agronomic practices on carposphere microbiome, mycotoxin contamination risk and fungicide resistance
6. Tziros George, (2023), Molecular characterization and management of soilborne and leaf pathogens in leafy vegetables

Supervisor of 5 ongoing PhD Theses

1. Sofianos George, Multiple resistance of *Botrytis cinerea* to fungicides: Resistance mechanisms of fungal populations in Greece
2. Petmezas Athanasios, Transcriptomic analysis as a tool to unravel interactions of Monillinia spp. with their hosts and elucidate multidrug resistance mechanisms
3. Floudas Aggelos, Microbiome associated with Grape Vine Trunk Diseases and novel approaches for their management (Floudas Aggelos)
4. Eleftheriadou Aikaterini, Exploring varietal resistance and novel IPM strategies to battle *P. viticola* and *E. necator* in Viticulture
5. Paleta Vasiliki, Applications of ozone and BCAs on grapevine propagating material: impact on GTDs pathogens, endophytic microbiome and plant transcriptome

MSc THESES SUPERVISION

Supervisor of 18 completed MSc Theses

1. Bacharis Charilaos (2008) Characterization of Rhizoctonia solani isolates from cotton using conventional and molecular techniques
2. Gouziotis Apostolos (2008) Characterization of Rhizoctonia solani isolates from tobbaco using conventional and molecular techniques
3. Minas Ioannis (2010), Effects of ozone on the postharvest physiology of kiwi fruit (Actinidia deliciosa cv. Hayward) and on the development of gray mold disease
4. Samuel Stylianos (2011) Development of a RT-PCR assay for the detection of the cytb G143A mutation in Botrytis cinerea

5. Papavasileiou Antonios (2012) Frequency and characterization of the mating types MAT1-1 and MAT1-2 in Cercospora beticola
6. Kalogeropoulou Panagiota (2013) Resistance of Botrytis cinerea to fungicides and competitive ability of strains possessing different sdh mutations
7. Ntasiou Panagiota (2014) Intra- and Inter-specific variability and mycotoxigenic capacity of Alternaria spp isolates associated with rots of apple fruit
8. Papadopoulos Vasileios (2015) Effect of ozone and 1-methylcyclopropene (1-MCP) treatments in the growth of *Penicillium expansum* and patulin production on apple fruit
9. Konstantinou Sotirios (2015) Characterization of *Botrytis cinerea* isolates from sonefruti and pomefruit rootstocks.
10. Samaras Anastasios (2015), Resistance of B. cinerea to hydroxyanilides and development of a detection method of mutations in succinate dehydrogenase (sdh) gene.
11. Testempasis Stefanos, (2017) Investigation on the effect of 1-methylcyclopropene (1-MCP) and gaseous ozone (O_3) treatments on the growth of Blue mold and transcriptome analysis for patulin production on apple fruit
12. Sarmis George (2018) Identification of black Aspergilli (*Aspergillus* spp.) from vineyards of Northern Greece and Cyprus and investigation of their ability to produce fumonisin B2 (FB2)
13. Chatzipetrou Chloe (2019) Effect of fluopyram treatments as nematicide on *Botrytis cinerea* resistance to SDHI fungicides
14. Rodovitis Ioannis (2020) Resistance of *Botrytis cinerea* to hydroxyanilides fungicides and characterization of strains with mutations in erg27 gene
15. Anastasiadis Lazaros (2024) Effect of biological control agents application in the nursery for the control of grapevine trunk diseases
16. Balafas Aggelos (2024) Control of multidrug resistant strains of Botrytis cinerea with the use of biological control agents.
17. Papadimitriou Dimitrios (2024) Study on the etiology, cultivar susceptibility and chemical control of peach canker diseases
18. Cristou Nikolaos (2025) Effect of ozonated water applications during prpagative material production on the control of grapevine trunk diseases

Supervisor of 3 ongoing MSc Theses

1. Paputsis Achilleas, Control of Rhizoctonia solani on lettuce plants with the use of Bacillus spp strains.
2. Gkellou Maria Eirini, Control of Fusarium equiseti on lettuce plants with the use of Bacillus spp strains.
3. Sakellatiou Anastasios, Applications of dsRNA to control Colletotrichum acutatum through Spray Induced Gene Silencing

Undergraduate Thesis (supervisor)

Supervision of more than 65 undergraduate theses on plant pathology and mycology topics

ADMINISTRATIVE ACTIVITY

Activities in the Department of Agriculture, AUTH

- Director of the Postgratuate Studies Program "Modern Plant Protection and Biotechnological Applications", (2019-today)
- Director of Plant Pathology Laboratory (2017-today)
- Director of the Department of Plant Protection (2021-2022)
- Member of the General Assembly of the Department of Agriculture (2008-09, 2009-10, 2014-15, 2018-19, 2019-20, 2020-21, 2021-22, 2022-23)
- Member of the Internal Evaluation Committee (OMEA) of the Department of Agriculture (2010 to 2020).
- Representative of the Department of Agriculture in the Plenary Session of the Research (2020-2022).

Other administrative activities

- President of the Board of Directors Hellenic Phytopathological Society (2018-2022)
- Secretary of the Board of Directors Hellenic Phytopathological Society (2014-2016)
- Member of the Board of Directors of Hellenic Phytopathological Society (2010-12 and 2014-2024)

OTHER ACTIVITIES

Memberships in Scientific Societies

- Hellenic Phytopathological Society (HPS),
- Hellenic Society of Horticultural Sciences (HSHS)
- Geotechnical Chamber of Greece (GEOTEE)
- American Phytopathological Society (APS),
- Mediterranena Phytopathological union (MPU)
- International Society for Horticultural Sciences (ISHS)
- International Organization of Biological and Integrated Control (IOBC)
- International Institute for Beet Research (IIRB)
- Member of the Working Group "Mediterranean Group" of IIRB (2002-2007)

Conferences Organization

<u>International Conferences</u>

- Convenor of the International Symposium on Plant Pathogenic Sclerotiniaceae (XIX International Botrytis Symposium), Thessaloniki 25-30 May 2025
- Organizer of the COST ACTION 22134 Training School: Management of pre- and postharvest diseases of fruits and vegetables, Thessaloniki, 22-24 May 2025
- Member of the Organizing Commitee of the XX International Plant Protection Conference, Athens 1-5 July 2024
- Member of the Organizing Commitee of the 16th IS-MPMI Congress, Rodes, 6-10 July 2014

National Conferences

- Convenor of the 20th Conference of Hellenic Phytopathological Society, Thessaloniki, 3-6 October 2022
- Convenor of the 16th Conference of Hellenic Phytopathological Society, Thessaloniki, 16-18 October 2012
- Member of organizing Committee of the 21st Conference of Hellenic Phytopathological Society, Pafos, 4-7 November 2024

PUBLICATIONS

REFEREED PUBLICATIONS: 90

Total Citations in SCI Journals (Excluding shelf-citations): 3.186 (Scopus 28/3/2026)
h-index: 32

1. Sofianos, G., Petmezas, A., Samaras, A. and **Karaoglanidis, G**. (2026), Resistance of *Botrytis cinerea* to anilinopyrimidine fungicides: A novel ARMS-PCR method for the detection of Bcpos5 mutations and characterization of resistance using CRISPR/Cas9 editing. Pest Manag Sci. https://doi.org/10.1002/ps.70864
2. Petmezas A., Testempasis S., Molassiotis A., Evagelopoulos I., and **G.S. Karaoglanidis**. Exploring the effect of electrolyzed water against brown rot disease (Monilinia spp.) on nectarine fruits. Acta Hortic. 2026, 1451: 49-57 DOI 10.17660/ActaHortic.2026.1451.7
3. Margaritopoulou, T.; Sakellariou, A.; Sofianos, G.; Triviza, M. F.; Stika, D. M.; Tsiriva, D.; **Karaoglanidis, G.**; Markellou, E. Chitosan nanoparticles loaded with jasmonic acid induce plants' resistance against Botrytis cinerea. Physiological and Molecular Plant Pathology 2025, 140. DOI: 10.1016/j.pmpp.2025.102887
4. Malandrakis, A. A.; Lykogianni, M.; Sevastos, A.; **Karaoglanidis, G.**; Katzourakis, V.; Chrysikopoulos, C.; Flouri, F. Differential sensitivity to DMI fungicides in Cercospora beticola is mediated by a novel target site modification and C-14 alpha-demethylase overexpression. Pesticide Biochemistry and Physiology 2025, 214. DOI: 10.1016/j.pestbp.2025.106635
5. Jigisha, J.; Ly, J.; Minadakis, N.; Freund, F.; Kunz, L.; Piechota, U.; Akin, B.; Balmas, V.; Ben-David, R.; Bencze, S.; ... **Karaoglanidis, G. S.** et al. Population genomics and molecular epidemiology of wheat powdery mildew in Europe. PLoS Biol. 2025, 23 (5). DOI: 10.1371/journal.pbio.3003097
6. Tziros, G. T.; Samaras, A.; **Karaoglanidis, G. S.** Soil Solarization Efficiently Reduces Fungal Soilborne Pathogen Populations, Promotes Lettuce Plant Growth, and Affects the Soil Bacterial Community. Biology-Basel 2024, 13 (8). DOI: 10.3390/biology13080624
7. Sofianos, G.; Piombo, E.; Dubey, M.; Karlsson, M.; **Karaoglanidis, G.**; Tzelepis, G. Transcriptomic and functional analyses on a Botrytis cinerea multidrug-resistant (MDR) strain provides new insights into the potential molecular mechanisms of MDR

and fitness. Mol. Plant Pathol. 2024, 25 (9). DOI: 10.1111/mpp.70004

8. Tziros, G. T.; **Karaoglanidis, G. S.** Identification of Fusarium oxysporum f. sp. lactucae Race 1 as the Causal Agent of Lettuce Fusarium Wilt in Greece, Commercial Cultivars' Susceptibility, and Temporal Expression of Defense-Related Genes. Microorganisms 2023, 11 (4). DOI: 10.3390/microorganisms11041082
9. Testempasis, S. I.; Papazlatani, C. V.; Theocharis, S.; Karas, P. A.; Koundouras, S.; Karpouzas, D. G.; **Karaoglanidis, G. S.** Vineyard practices reduce the incidence of Aspergillus spp. and alter the composition of carposphere microbiome in grapes (Vitis vinifera L.). Front. Microbiol. 2023, 14. DOI: 10.3389/fmicb.2023.1257644
10. Testempasis, S. I.; **Karaoglanidis, G. S.** Resistance of Black Aspergilli Species from Grape Vineyards to SDHI, QoI, DMI, and Phenylpyrrole Fungicides. Journal of Fungi 2023, 9 (2). DOI: 10.3390/jof9020221
11. Dardani, G.; Guarnaccia, V.; Nari, L.; Testempasis, S. I.; **Karaoglanidis, G. S.**; Gullino, M. L. Identification of pathogens causing brown rot of stone fruit in Cuneo province (Italy) and assessment of sensitivity to azoxystrobin, cyprodinil, fenhexamid, fludioxonil, and tebuconazole. Phytopathologia Mediterranea 2023, 62 (3), 455-465. DOI: 10.36253/phyto-14399
12. Tziros, G. T.; **Karaoglanidis, G. S.** Molecular identification and pathogenicity of Rhizoctonia solani and Pythium spp. associated with damping-off disease on baby leafy vegetables in Greece. Plant Pathol. 2022, 71 (6), 1381-1391. DOI: 10.1111/ppa.13558
13. Tziros, G. T.; Ainalidou, A.; Samaras, A.; Kollaros, M.; Karamanoli, K.; Menkissoglu-Spiroudi, U.; **Karaoglanidis, G. S.** Differences in defence-related gene expression and metabolite accumulation reveal insights into the resistance of Greek grape wine cultivars to Botrytis bunch rot. Oeno One 2022, 56 (2), 111-123. DOI: 10.20870/oeno-one.2022.56.2.5451
14. Testempasis, S. I.; Kamou, N. N.; Papadakis, E. N.; Menkissoglu-Spiroudi, U.; **Karaoglanidis, G. S.** Conventional vs. organic vineyards: Black Aspergilli population structure, mycotoxigenic capacity and mycotoxin contamination assessment in wines, using a new Q-TOF MS-MS detection method. Food Control 2022, 136. DOI: 10.1016/j.foodcont.2022.108860
15. Samaras, A.; Kamou, N.; Tzelepis, G.; Karamanoli, K.; Menkissoglu-Spiroudi, U.; **Karaoglanidis, G. S.** Root Transcriptional and Metabolic Dynamics Induced by the Plant Growth Promoting Rhizobacterium (PGPR) Bacillus subtilis Mbi600 on Cucumber Plants. Plants-Basel 2022, 11 (9). DOI: 10.3390/plants11091218
16. Papazlatani, C. V.; Kolovou, M.; Gkounou, E. E.; Azis, K.; Mavriou, Z.; Testembasis, S.; **Karaoglanidis, G. S.**; Ntougias, S.; Karpouzas, D. G. Isolation, characterization and industrial application of a Cladosporium herbarum fungal strain able to degrade the fungicide imazalil. Environ. Pollut. 2022, 301. DOI: 10.1016/j.envpol.2022.119030
17. Makris, G.; Nikoloudakis, N.; Samaras, A.; **Karaoglanidis, G. S.**; Kanetis, L. Under Pressure: A Comparative Study of Botrytis cinerea Populations from Conventional and Organic Farms in Cyprus and Greece. Phytopathology 2022, 112 (10), 2236-2247. DOI: 10.1094/phyto-12-21-0510-r
18. Bekris, F.; Vasileiadis, S.; Papadopoulou, E.; Samaras, A.; Testempasis, S.; Gkizi, D.; Tavlaki, G.; Tzima, A.; Paplomatas, E.; Markakis, E.; ... **Karaoglanidis, G. S....** et al.

Grapevine wood microbiome analysis identifies key fungal pathogens and potential interactions with the bacterial community implicated in grapevine trunk disease appearance (vol 16, 23, 2021). Environmental Microbiome 2022, 17 (1). DOI: 10.1186/s40793-022-00405-5

19. Tziros, G. T.; Samaras, A.; **Karaoglanidis, G. S.** Laminarin Induces Defense Responses and Efficiently Controls Olive Leaf Spot Disease in Olive. Molecules 2021, 26 (4). DOI: 10.3390/molecules26041043
20. Testempasis, S.; Tanou, G.; Minas, I.; Samiotaki, M.; Molassiotis, A.; **Karaoglanidis, G.** Unraveling Interactions of the Necrotrophic Fungal Species Botrytis cinerea With 1-Methylcyclopropene or Ozone-Treated Apple Fruit Using Proteomic Analysis. Frontiers in Plant Science 2021, 12. DOI: 10.3389/fpls.2021.644255
21. Samaras, A.; Roumeliotis, E.; Ntasiou, P.; **Karaoglanidis, G.** Bacillus subtilis MBI600 Promotes Growth of Tomato Plants and Induces Systemic Resistance Contributing to the Control of Soilborne Pathogens. Plants-Basel 2021, 10 (6). DOI: 10.3390/plants10061113
22. Samaras, A.; Nikolaidis, M.; Antequera-Gómez, M. L.; Cámara-Almirón, J.; Romero, D.; Moschakis, T.; Amoutzias, G. D.; **Karaoglanidis, G. S.** Whole Genome Sequencing and Root Colonization Studies Reveal Novel Insights in the Biocontrol Potential and Growth Promotion by Bacillus subtilis MBI 600 on Cucumber. Front. Microbiol. 2021, 11. DOI: 10.3389/fmicb.2020.600393
23. Samaras, A.; **Karaoglanidis, G. S.**; Tzelepis, G. Insights into the multitrophic interactions between the biocontrol agent Bacillus subtilis MBI 600, the pathogen Botrytis cinerea and their plant host. Microbiol. Res. 2021, 248. DOI: 10.1016/j.micres.2021.126752
24. Samaras, A.; Hadjipetrou, C.; **Karaoglanidis, G.** Bacillus amyloliquefaciens strain QST713 may contribute to the management of SDHI resistance in Botrytis cinerea. Pest Management Science 2021, 77 (3), 1316-1327. DOI: 10.1002/ps.6145
25. Ntasiou, P.; Samaras, A.; **Karaoglanidis, G.** Apple Fruit Core Rot Agents in Greece and Control with Succinate Dehydrogenase Inhibitor Fungicides. Plant Dis. 2021, 105 (10), 3072-3081. DOI: 10.1094/pdis-11-20-2422-re
26. Ntasiou, P.; Kerou, A. K.; Karamanidou, T.; Vlachou, A.; Tziros, G. T.; Tsouknidas, A.; **Karaoglanidis, G. S.** Synthesis and Characterization of Novel Copper Nanoparticles for the Control of Leaf Spot and Anthracnose Diseases of Olive. Nanomaterials 2021, 11 (7). DOI: 10.3390/nano11071667
27. Kalogiouri, N. P.; Papadakis, E. N.; Maggalou, M. G.; **Karaoglanidis, G. S.**; Samanidou, V. F.; Menkissoglu-Spiroudi, U. Development of a Microwave-Assisted Extraction Protocol for the Simultaneous Determination of Mycotoxins and Pesticide Residues in Apples by LC-MS/MS. Applied Sciences-Basel 2021, 11 (22). DOI: 10.3390/app112210931
28. Testempasis, S.; Puckett, R. D.; Michailides, T. J.; **Karaoglanidis, G. S.** Genetic structure and fungicide resistance profile of Botrytis spp. populations causing postharvest gray mold of pomegranate fruit in Greece and California. Postharvest Biol. Technol. 2020, 170. DOI: 10.1016/j.postharvbio.2020.111319
29. Samaras, A.; Ntasiou, P.; Myresiotis, C.; **Karaoglanidis, G.** Multidrug resistance of Penicillium expansum to fungicides: whole transcriptome analysis of MDR strains reveals overexpression of efflux transporter genes. Int. J. Food Microbiol. 2020, 335.

DOI: 10.1016/j.ijfoodmicro.2020.108896

30. Papavasileiou, A.; Tanou, G.; Samaras, A.; Samiotaki, M.; Molassiotis, A.; **Karaoglanidis, G.** Proteomic analysis upon peach fruit infection with Monilinia fructicola and M. laxa identify responses contributing to brown rot resistance. Scientific Reports 2020, 10 (1). DOI: 10.1038/s41598-020-64864-x
31. Tsialtas, J. T.; Theologidou, G. S.; **Karaoglanidis, G. S.** Effects of pyraclostrobin on leaf diseases, leaf physiology, yield and quality of durum wheat under Mediterranean conditions. Crop Protection 2018, 113, 48-55. DOI: 10.1016/j.cropro.2018.07.008
32. Tsialtas, J. T.; Theologidou, G. S.; **Karaoglanidis, G. S.** Effect of pyraclostrobin on disease control, leaf physiology, seed yield and quality of sunflower. Crop Protection 2017, 99, 151-159. DOI: 10.1016/j.cropro.2017.05.022
33. Malandrakis, A. A.; Vattis, K. N.; Markoglou, A. N.; **Karaoglanidis, G. S.** Characterization of boscalid-resistance conferring mutations in the SdhB subunit of respiratory complex II and impact on fitness and mycotoxin production in Penicillium expansum laboratory strains. Pesticide Biochemistry and Physiology 2017, 138, 97-103. DOI: 10.1016/j.pestbp.2017.03.009
34. Latinovic, J.; Latinovic, N.; **Karaoglanidis, G. S.** First Report of Brown Rot Caused by Monilinia fructicola on Nectarine Fruit in Montenegro. Plant Dis. 2017, 101 (6), 1045-1046. DOI: 10.1094/pdis-11-16-1601-pdn
35. Samaras, A.; Madesis, P.; **Karaoglanidis, G. S.** Detection of sdhB Gene Mutations in SDHI-Resistant Isolates of Botrytis cinerea Using High Resolution Melting (HRM) Analysis. Front. Microbiol. 2016, 7. DOI: 10.3389/fmicb.2016.01815
36. Papavasileiou, A.; Madesis, P. B.; **Karaoglanidis, G. S.** Identification and Differentiation of Monilinia Species Causing Brown Rot of Tome and Stone Fruit using High-Resolution Melting (HRM) Analysis. Phytopathology 2016, 106 (9), 1055-1064. DOI: 10.1094/phyto-01-16-0016-r
37. Papavasileiou, A.; Testempasis, S.; Michailides, T. J.; **Karaoglanidis, G. S.** Frequency of brown rot fungi on blossoms and fruit in stone fruit orchards in Greece. Plant Pathol. 2015, 64 (2), 416-424. DOI: 10.1111/ppa.12264
38. Papavasileiou, A.; **Karaoglanidis, G. S.**; Michailides, T. J. Intraspecific Diversity of Monilinia fructicola and M. laxa Populations from Blossoms and Fruit of Different Hosts in Greece. Plant Dis. 2015, 99 (10), 1353-1359. DOI: 10.1094/pdis-02-15-0233-re
39. Ntasiou, P.; Myresiotis, C.; Konstantinou, S.; Papadopoulou-Mourkidou, E.; **Karaoglanidis, G. S.** Identification, characterization and mycotoxigenic ability of Alternaria spp. causing core rot of apple fruit in Greece. Int. J. Food Microbiol. 2015, 197, 22-29. DOI: 10.1016/j.ijfoodmicro.2014.12.008
40. Myresiotis, C. K.; Testempasis, S.; Vryzas, Z.; **Karaoglanidis, G. S.**; Papadopoulou-Mourkidou, E. Determination of mycotoxins in pomegranate fruits and juices using a QuEChERS-based method. Food Chem. 2015, 182, 81-88. DOI: 10.1016/j.foodchem.2015.02.141
41. Konstantinou, S.; Veloukas, T.; Leroch, M.; Menexes, G.; Hahn, M.; Karaoglanidis, G. Population Structure, Fungicide Resistance Profile, and sdhB Mutation Frequency of Botrytis cinerea from Strawberry and Greenhouse-Grown Tomato in Greece. Plant Dis. 2015, 99 (2), 240-248. DOI: 10.1094/pdis-04-14-0373-re

42. Kanetis, L.; Testempasis, S.; Goulas, V.; Samuel, S.; Myresiotis, C.; **Karaoglanidis, G. S.** Identification and mycotoxigenic capacity of fungi associated with pre- and postharvest fruit rots of pomegranates in Greece and Cyprus. Int. J. Food Microbiol. 2015, 208, 84-92. DOI: 10.1016/j.ijfoodmicro.2015.05.015

43. Veloukas, T.; Kalogeropoulou, P.; Markoglou, A. N.; **Karaoglanidis, G. S.** Fitness and Competitive Ability of Botrytis cinerea Field Isolates with Dual Resistance to SDHI and QoI Fungicides, Associated with Several sdhB and the cytb G143A Mutations. Phytopathology 2014, 104 (4), 347-356. DOI: 10.1094/phyto-07-13-0208-r

44. Konstantinou, S.; Sarmis, G.; **Karaoglanidis, G. S.** Population structure and fungicide resistance profile of Botrytis spp. causing damping-off disease in stone and pome fruit rootstock seedlings. Phytopathology 2014, 104 (11), 62-63.

45. Konstantinou, S.; Ntasiou, P.; Myresiotis, C.; Mourkidou, E.; **Karaoglanidis, G. S.** Identification, characterization and mycotoxigenic ability of Alternaria spp. causing core rot of apple fruit. Phytopathology 2014, 104 (11), 63-63.

46. Veloukas, T.; Markoglou, A. N.; **Karaoglanidis, G. S.** Differential Effect of SdhB Gene Mutations on the Sensitivity to SDHI Fungicides in Botrytis cinerea. Plant Dis. 2013, 97 (1), 118-122. DOI: 10.1094/pdis-03-12-0322-re

47. Malandrakis, A. A.; Markoglou, A. N.; Konstantinou, S.; Doukas, E. G.; Kalampokis, J. F.; **Karaoglanidis, G. S.** Molecular characterization, fitness and mycotoxin production of benzimidazole-resistant isolates of Penicillium expansum. Int. J. Food Microbiol. 2013, 162 (3), 237-244. DOI: 10.1016/j.ijfoodmicro.2013.01.014

48. Malandrakis, A.; Koukiasas, N.; Veloukas, T.; **Karaoglanidis, G.**; Markoglou, A. Baseline sensitivity of Monilinia laxa from Greece to fenhexamid and analysis of fenhexamid-resistant mutants. Crop Protection 2013, 46, 13-17. DOI: 10.1016/j.cropro.2012.12.009

49. Veloukas, T.; **Karaoglanidis, G. S.** Biological activity of the succinate dehydrogenase inhibitor fluopyram against Botrytis cinerea and fungal baseline sensitivity. Pest Management Science 2012, 68 (6), 858-864. DOI: 10.1002/ps.3241

50. Samuel, S.; Veloukas, T.; Papavasileiou, A.; **Karaoglanidis, G. S.** Differences in Frequency of Transposable Elements Presence in Botrytis cinerea Populations from Several Hosts in Greece. Plant Dis. 2012, 96 (9), 1286-1290. DOI: 10.1094/pdis-01-12-0103-re

51. Myresiotis, C. K.; **Karaoglanidis, G. S.**; Vryzas, Z.; Papadopoulou-Mourkidou, E. Evaluation of plant-growth-promoting rhizobacteria, acibenzolar-S-methyl and hymexazol for integrated control of Fusarium crown and root rot on tomato. Pest Management Science 2012, 68 (3), 404-411. DOI: 10.1002/ps.2277

52. Veloukas, T.; Leroch, M.; Hahn, M.; **Karaoglanidis, G. S.** Detection and Molecular Characterization of Boscalid-Resistant Botrytis cinerea Isolates from Strawberry. Plant Dis. 2011, 95 (10), 1302-1307. DOI: 10.1094/pdis-04-11-0317

53. Samuel, S.; Papayiannis, L. C.; Leroch, M.; Veloukas, T.; Hahn, M.; **Karaoglanidis, G. S.** Evaluation of the incidence of the G143A mutation and cytb intron presence in the cytochrome bc-1 gene conferring QoI resistance in Botrytis cinerea populations from several hosts. Pest Management Science 2011, 67 (8), 1029-1036. DOI: 10.1002/ps.2226

54. Konstantinou, S.; **Karaoglanidis, G. S.**; Bardas, G. A.; Minas, I. S.; Doukas, E.; Markoglou, A. N. Postharvest Fruit Rots of Apple in Greece: Pathogen Incidence and

Relationships Between Fruit Quality Parameters, Cultivar Susceptibility, and Patulin Production. Plant Dis. 2011, 95 (6), 666-672. DOI: 10.1094/pdis-11-10-0856

55. **Karaoglanidis, G. S.**; Markoglou, A. N.; Bardas, G. A.; Doukas, E. G.; Konstantinou, S.; Kalampokis, J. F. Sensitivity of Penicillium expansum field isolates to tebuconazole, iprodione, fludioxonil and cyprodinil and characterization of fitness parameters and patulin production. Int. J. Food Microbiol. 2011, 145 (1), 195-204. DOI: 10.1016/j.ijfoodmicro.2010.12.017
56. **Karaoglanidis, G. S.**; Luo, Y.; Michailides, T. J. Competitive Ability and Fitness of Alternaria alternate Isolates Resistant to QoI Fungicides. Plant Dis. 2011, 95 (2), 178-182. DOI: 10.1094/pdis-07-10-0510
57. Minas, I. S.; **Karaoglanidis, G. S.**; Manganaris, G. A.; Vasilakakis, M. Effect of ozone application during cold storage of kiwifruit on the development of stern-end rot caused by Botrytis cinerea. Postharvest Biol. Technol. 2010, 58 (3), 203-210. DOI: 10.1016/j.postharvbio.2010.07.002
58. Bardas, G. A.; Veloukas, T.; Koutita, O.; **Karaoglanidis, G. S.** Multiple resistance of Botrytis cinerea from kiwifruit to SDHIs, QoIs and fungicides of other chemical groups. Pest Management Science 2010, 66 (9), 967-973. DOI: 10.1002/ps.1968
59. Bacharis, C.; Gouziotis, A.; Kalogeropoulou, P.; Koutita, O.; Tzavella-Klonari, K.; **Karaoglanidis, G. S.** Characterization of Rhizoctonia spp. Isolates Associated with Damping-Off Disease in Cotton and Tobacco Seedlings in Greece. Plant Dis. 2010, 94 (11), 1314-1322. DOI: 10.1094/pdis-12-09-0847
60. Bardas, G.A., G.D. Tzelepis, L. Lotos and **G.S. Karaoglanidis**. 2009. First Report of *Penicillium glabrum* on pomegranate (*Punica granatum*) in Greece. ***Plant Disease*** 93:1346. DOI: 10.1094/PDIS-93-12-1347A
61. Bardas, G. A.; Tzelepis, G. D.; Lotos, L.; **Karaoglanidis, G. S.** First Report of Botrytis cinerea Causing Gray Mold of Pomegranate (Punica granatum) in Greece. Plant Dis. 2009, 93 (12), 1346-1346. DOI: 10.1094/pdis-93-12-1346c
62. Tziros, G. T.; Bardas, G. A.; Tsialtas, J. T.; **Karaoglanidis, G. S.** First report of oilseed rape stem rot caused by Sclerotinia sclerotiorum in Greece. Plant Dis. 2008, 92 (10), 1473-1473. DOI: 10.1094/pdis-92-10-1473c
63. Myresiotis, C. K.; Bardas, G. A.; **Karaoglanidis, G. S.** Baseline sensitivity of Botrytis cinerea to pyraclostrobin and boscalid and control of anilinopyrimidine- and benzimidazole-resistant strains by these fungicides. Plant Dis. 2008, 92 (10), 1427-1431. DOI: 10.1094/pdis-92-10-1427
64. Bardas, G. A.; Myresiotis, C. K.; **Karaoglanidis, G. S.** Stability and fitness of anilinopyrimidine-resistant strains of Botrytis cinerea. Phytopathology 2008, 98 (4), 443-450. DOI: 10.1094/phyto-98-4-0443
65. Avenot, H. F.; Sellam, A.; Morgan, D.; **Karaoglanidis, G.**; Michailides, T. J. Molecular characterization of Alternaria alternata field isolates highly resistant to the carboxamide fungicide boscalid. Phytopathology 2008, 98 (6), S16-S16.
66. Avenot, H. F.; Sellam, A.; **Karaoglanidis, G.**; Michailides, T. J. Characterization of mutations in the iron-sulphur subunit of succinate dehydrogenase correlating with boscalid resistance in Alternaria alternata from California pistachio. Phytopathology 2008, 98 (6), 736-742. DOI: 10.1094/phyto-98-6-0736
67. Veloukas, T.; Bardas, G. A.; **Karaoglanidis, G. S.**; Tzavella-Klonari, K. Management

of tomato leaf mould caused by Cladosporium fulvum with trifloxystrobin. Crop Protection 2007, 26 (6), 845-851. DOI: 10.1016/j.cropro.2006.08.005

68. Myresiotis, C. K.; **Karaoglanidis, G. S.**; Tzavella-Monari, K. Resistance of Botrytis cinerea isolates from vegetable crops to anilinopyrimidine, phenylpyrrole, hydroxyanilide, benzimidazole, and dicarboximide fungicides. Plant Dis. 2007, 91 (4), 407-413. DOI: 10.1094/pdis-91-4-0407
69. Moretti, M.; **Karaoglanidis, G.**; Saracchi, M.; Fontana, A.; Farina, G. Analysis of genotypic diversity in Cercospora beticola Sacc. field isolates. Ann. Microbiol. 2006, 56 (3), 215-221. DOI: 10.1007/bf03175008
70. **Karaoglanidis, G. S.**; Karadimos, D. A. Efficacy of strobilurins and mixtures with DMI fungicides in controlling powdery mildew in field-grown sugar beet. Crop Protection 2006, 25 (9), 977-983. DOI: 10.1016/j.cropro.2006.01.005
71. **Karaoglanidis, G. S.**; Bardas, G. First report of phomopsis fruit decay on apple caused by Phomopsis mali in Greece. Plant Dis. 2006, 90 (3), 375-375. DOI: 10.1094/pd-90-0375c
72. **Karaoglanidis, G. S.**; Bardas, G. control of benzimidazole- and DMI-Resistant strains of Cercospora beticola with strobilurin fungicides. Plant Dis. 2006, 90 (4), 419-424. DOI: 10.1094/pd-90-0419
73. Karadimos, D. A.; **Karaoglanidis, G. S.** Comparative efficacy, selection of effective partners, and application time of strobilurin fungicides for control of cercospora leaf spot of sugar beet. Plant Dis. 2006, 90 (6), 820-825. DOI: 10.1094/pd-90-0820
74. Ioannidis, P. M.; **Karaoglanidis, G.** Control of Cercospora leaf spot of sugarbeets using fungicides and disease - tolerant cultivars. Phytopathology 2006, 96 (6), S142-S142.
75. Karadimos, D. A.; **Karaoglanidis, G. S.**; Tzavella-Klonari, K. Biological activity and physical modes of action of the Qo inhibitor fungicides trifloxystrobin and pyraclostrobin against Cercospora beticola. Crop Protection 2005, 24 (1), 23-29. DOI: 10.1016/j.cropro.2004.06.004
76. **Karaoglanidis, G. S.**; Thanassoulopoulos, C. C.; Ioannidis, P. M. Lack of influence of host plant disease resistance on the evolution of resistance to sterol demethylation-inhibiting (DMI) fungicides in Cercospora beticola. Phytoparasitica 2003, 31 (3), 275-282. DOI: 10.1007/bf02980836
77. **Karaoglanidis, G. S.**; Thanassoulopoulos, C. C. Cross-resistance patterns among sterol biosynthesis inhibiting fungicides (SBIs) in Cercospora beticola. Eur. J. Plant Pathol. 2003, 109 (9), 929-934. DOI: 10.1023/B:EJPP.0000003672.36076.8a
78. **Karaoglanidis, G. S.**; Menkissoglu-Spiroudi, U.; Thanassoulopoulos, C. C. Sterol composition of DMI-resistant and -sensitive field isolates of Cercospora beticola. J. Phytopathol. 2003, 151 (7-8), 431-435. DOI: 10.1046/j.1439-0434.2003.00746.x
79. **Karaoglanidis, G. S.**; Karadimos, D. A.; Ioannidis, P. M.; Ioannidis, P. I. Sensitivity of Cercospora beticola populations to fentin-acetate, benomyl and flutriafol in Greece. Crop Protection 2003, 22 (5), 735-740. DOI: 10.1016/s0261-2194(03)00036-x
80. **Karaoglanidis, G. S.**; Karadimos, D. A.; Ioannidis, P. M. Detection of resistance to sterol demethylation-inhibiting (DMI) fungicides in Cercospora beticola and efficacy of control of resistant and sensitive strains with flutriafol. Phytoparasitica 2003, 31 (4), 373-380. DOI: 10.1007/bf02979809

81. Anesiadis, T.; **Karaoglanidis, G. S.**; Tzavella-Klonari, K. Protective, curative and eradicant activity of the strobilurin fungicide azoxystrobin against Cercospora beticola and Erysiphe betae. J. Phytopathol. 2003, 151 (11-12), 647-651. DOI: 10.1046/j.1439-0434.2003.00780.x

82. **Karaoglanidis, G. S.**; Thanassoulopoulos, C. C. Phenotypic instability of Cercospora beticola Sacc. strains expressing resistance to the sterol demethylation-inhibiting (DMI) fungicide flutriafol after cold exposure. J. Phytopathol. 2002, 150 (11-12), 692-696. DOI: 10.1046/j.1439-0434.2002.00825.x

83. **Karaoglanidis, G. S.**; Ioannidis, R. M.; Thanassoulopoulos, C. C. Changes in sensitivity of Cercospora beticola populations to sterol-demethylation-inhibiting fungicides during a 4-year period in northern Greece. Plant Pathol. 2002, 51 (1), 55-62. DOI: 10.1046/j.0032-0862.2001.x-i2

84. Karadimos, D. A.; **Karaoglanidis, G. S.**; Klonari, K. First Report of Charcoal Rot of Sugar Beet Caused by Macrophomina phaseolina in Greece. Plant Dis. 2002, 86 (9), 1051-1051. DOI: 10.1094/pdis.2002.86.9.1051d

85. **Karaoglanidis, G. S.**; Thanassoulopoulos, C. C.; Ioannidis, P. M. Fitness of Cercospora beticola field isolates resistant and sensitive to demethylation inhibitor fungicides. Eur. J. Plant Pathol. 2001, 107 (3), 337-347. DOI: 10.1023/a:1011219514343

86. **Karaoglanidis, G. S.**; Ioannidis, P. M.; Thanassoulopoulos, C. C. Influence of fungicide spray schedules on the sensitivity of Cercospora beticola to the sterol demethylation-inhibiting fungicide flutriafol. Crop Protection 2001, 20 (10), 941-947. DOI: 10.1016/s0261-2194(01)00049-7

87. Karadimos, D. A., **Karaoglanidis, G. S.,** and Klonari, K. 2000. First report of Verticillium wilt of sugar beet caused by *Verticillium dahliae*, in Greece. ***Plant Disease*** 84: 593. DOI: 10.1094/PDIS.2000.84.5.593C

88. **Karaoglanidis, G. S.,** Karadimos, D. A., and Klonari, K. 2000. First report of Phytophthora root rot of sugar beet, caused by *Phytophthora cryptogea*, in Greece. ***Plant Disease*** 84: 593. DOI: 10.1094/PDIS.2000.84.5.593B

89. **Karaoglanidis, G. S.**; Ioannidis, P. M.; Thanassoulopoulos, C. C. Reduced sensitivity of Cercospora beticola isolates to sterol-demethylation-inhibiting fungicides. Plant Pathol. 2000, 49 (5), 567-572. DOI: 10.1046/j.1365-3059.2000.00488.x

90. Thanassoulopoulos, C. C., **Karaoglanidis, G. S.,** and Beynas, S. 1995. Loss assessment in pear crop caused by fire blight (*Erwinia amylovora*) disease. ***Phytopathologia Mediterranea***, 34: 29-34.

BOOK CHAPTERS

1. Ioannidis, P. M., and **Karaoglanidis, G. S.** 2000. Resistance of *Cercospora beticola* to fungicides. In: *Cercospora beticola* Sacc. Biology, agronomic influence and control measures in sugar beet. ***Advances in sugar beet research***. Vol 2., pp. 123-145. M.J.C. Asher, B. Holtschulte, M. Richard Molard, F. Rosso, G. Steinrucken and Beckers, R. (eds),. I.I.R.B. Pubblications, Brussels, Belgium.

2. Karaoglanidis, G.S., and Ioannidis, P.M. 2010. Fungicide resistance of *Cercospora beticola* in Europe. In: ***Cercospora Leaf Spot of sugar beet and Related Species***,

Lartey, R.T., Weiland J.J., Panella L., Crous, P.W., and Windels, C.E. (eds)., APS Press, St. Paul, MN, USA, pp. 189-211.

3. Ioannidis, P.M., and **Karaoglanidis, G.S.** 2010. Control of Cercospora leaf spot and powdery mildew of sugar beet with fungicides and tolerant cultivars. In: ***Cercospora Leaf Spot of sugar beet and Related Species***, Lartey, R.T., Weiland J.J., Panella L., Crous, P.W., and Windels, C.E. (eds)., APS Press, St. Paul, MN, USA, pp. 259-274.
4. Palou, L., Kinay-Teksür, P., Cao S., **Karaoglanidis, G.S**., and Vicent A. 2019. Postharvest diseases of fresh horticultural produce: Pomegranate, persimmon, and loquat. In: Postharvest Pathology of Fresh horticultural Produce, Palou L., and Smilanick JL, eds., CRC Press, Boca Raton, FL, USA, pp. 187-226.

PROCEEDINGS OF INTERNATIONAL CONFERENCES

1. Ioannidis, P.M., and **Karaoglanidis G.S.** 2000. Competition between DMIs-sensitive and –resistant strains of *Cercospora beticola* on untreated sugar beet crop. In: Proccedings of the 63th IIRB Congress, February 2000, Interlaken, CH, pp. 489-496.
2. **Karaoglanidis, G.S.,** and Karadimos, D.A. 2005. Control of sugar beet powdery mildew with strobilurin fungicides. 4th International Symposium on Sugar Beet Protection. Novi Sad, Serbia & Montenegro, 26-28 September 2005, pp. 133-139.
3. Karadimos, D.A., and **Karaoglanidis, G.S.** 2005. Survey of root rot diseases of sugar beet in Central Greece.4th International Symposium on Sugar Beet Protection. Novi Sad, Serbia & Montenegro, 26-28 September 2005, pp. 129-131.
4. **Karaoglanidis, G.S.,** and Bardas, G. 2006. Control of benzimidazole- and DMI-resistant strains of *Cercospora beticola* with strobilurin fungicides. Proceedings of the 12th Mediterranean Phytopathological Congress, 11-15 June 2006, Rhodes, Greece, pp. 78-80.
5. Karadimos, D.A., and **Karaoglanidis, G.S.** 2006. Effect of application time of strobilurin fungicides on the control of Cercospora leaf-spot of sugar beet. Proceedings of the 12th Mediterranean Phytopathological Congress, 11-15 June 2006, Rhodes, Greece, pp. 371-373.
6. Miresiotis, C., **Karaoglanidis, G.S.,** and K. Tzavella – Klonari. 2006. Development of resistance to anilinopyrimidine fungicides in *Botrytis cinerea*. Proceedings of the 12th Mediterranean Phytopathological Congress, 11-15 June 2006, Rhodes, Greece, pp. 440-442.
7. Veloukas, T., G.A.Bardas, **G.S. Karaoglanidis**, and K. Tzavella-Klonari. 2006. Protective, curative and eradicant of the strobilurin fungicide trifloxystrobin against *Cladosporium fulvum* Cooke on tomato. Proceedings of the 12th Mediterranean Phytopathological Congress, 11-15 June 2006, Rhodes, Greece, pp. 448 – 450.
8. Samuel, S., T. Veloukas and **G.S. Karaoglanidis**. 2011. Assessment of G143A mutation and type I cytb intron frequencies in *Botrytis cinerea* isolates from strawberry in Greece. in: *Modern Fungicides and Antifungal Compounds VI*, ed. By Dehne HW, Deising HB, Gisi U, Kuck KH, Russell PE, Lyr H, DPG, Braunschweig, Germany, pp. 155-158.
9. Bardas, G.A., Doukas, E.G., Konstantinou, S., Kalampokis, I., Markoglou, A.N., and **G.S. Karaoglanidis**. 2011. Fungicide sensitivity, fitness and mycotoxin production of *Penicillium expansum* field isolates from apple. in: *Modern Fungicides and Antifungal Compounds VI*, ed. By Dehne HW, Deising HB, Gisi U, Kuck KH, Russell PE, Lyr H, DPG, Braunschweig, Germany, pp. 429-432.

10. Veloukas, T., Kalogeropoulou, P., and **Karaoglanidis, G.S.** 2014. Fitness and competitive ability of *Botrytis cinerea* field-isolates with dual resistance to SDHI and QoI fungicides, associated with several *sdh*B and the *cyt*b G143A mutations. in: *Modern Fungicides and Antifungal Compounds VII*, ed. By Dehne HW, Deising HB, Gisi U, Kuck KH, Russell PE, Lyr H, DPG, Braunschweig, Germany, pp. 189-194
11. Malandrakis A.N., Markoglou A.N., and **Karaoglanidis G.S.** 2014. Biological and molecular characterization of Penicillium expansum isolates with laboratory-induced resistance to succinate dehydrogenase inhibitors (SDHIs). in: *Modern Fungicides and Antifungal Compounds VII*, ed. By Dehne HW, Deising HB, Gisi U, Kuck KH, Russell PE, Lyr H, DPG, Braunschweig, Germany, pp. 195-200.
12. Samaras, A., Chatzipetrou, C. and **Karaoglanidis, G.S**. 2019. Effects of Bacillus subtilis713 on the management of SDHIs resistance in Botrytis cinerea. in: *Modern Fungicides and Antifungal Compounds IX*, ed. By Deising H.B, Fraaje B., Mehl A., Oerke E.C., Sierotzki, H., Stammler G., DPG, Braunschweig, Germany, pp. 147-153.

ABSTRACTS OF INTERNATIONAL CONFERENCES

1. C. Paiva-Silva, K. Eleftheriadou, **G. Karaoglanidis**, C. Menéndez, J. Cunha, K. Bakasietas, S. Karatsalou, G. Gambino, F. Kaschani, M. Kaiser, S. Testempasis, A. Figueiredo, R. B. Santos. 2026. Proteomic Insights into Early Grapevine Defence Responses to Downy and Powdery Mildew. XIV International Symposium on Grapevine Breeding and Genetics. June 28 – July 3, 2026 | Zagreb, Croatia
2. J. Proença Pereira, K. Eleftheriadou, **G. Karaoglanidis**, C Menéndez, J. Cunha, K. Bakasietas, S. Karatsalou, G. Gambino, L. Nerva, S. Testempasis, R. B. Santos, A. Figueiredo. 2026. Uncovering novel epigenetic traits in grapevine resistance against downy and powdery mildew – a multi-omics approach. XIV International Symposium on Grapevine Breeding and Genetics. June 28 – July 3, 2026 | Zagreb, Croatia
3. Testempasis S, Dalakouras A, Koidou V, Papadopoulou K K, and **Karaoglanidis GS.** 2026. Exogenus dsRNA applications as a tool to control *Penicillium digitatum* on citrus fruits. 21th International Reinhardsbrunn Symposium - Modern Fungicides and Antifungal Compounds, 19-23 April 2026, Friedrichroda, Germany.
4. G. Sofianos, K. Mavridis, N. Krasagakis, E. Markakis, J. Vontas, **G. Karaoglanidis**. 2026. Development of novel ddPCR assays for detection and quantification of SDHI resistance in *Botrytis cinerea*. 21th International Reinhardsbrunn Symposium - Modern Fungicides and Antifungal Compounds, 19-23 April 2026, Friedrichroda, Germany.
5. Petmezas A., Testempasis S., Papadopoulou K., **G. Karaoglanidis**. 2026. A Two-Sided War against Brown Rot on stone fruit: Host Immunity and Antifungal Action in Sustainable Plant Protection. 21th International Reinhardsbrunn Symposium - Modern Fungicides and Antifungal Compounds, 19-23 April 2026, Friedrichroda, Germany.
6. Petmezas A, Sofianos G., Testempasis, S., Karipidis, A., Apostolidis, K., **Karaoglanidis G.** 2026. Beyond Target-Site Mutations: Fungicide Resistance Patterns in *Monilinia fructicola*. 21th International Reinhardsbrunn Symposium - Modern Fungicides and Antifungal Compounds, 19-23 April 2026, Friedrichroda, Germany.
7. Sofianos G., Mpalafas A., Karaoglanidis G. 2026. Transcriptome analysis of *Botrytis cinerea* multidrug resistant strains provides insights on the biocontrol

efficacy of *Bacillus amyloliquefaciens* QST713 and *Clonostachys rosea* IK726. 21th International Reinhardsbrunn Symposium - Modern Fungicides and Antifungal Compounds, 19-23 April 2026, Friedrichroda, Germany.

8. Sofianos G., Eleftheriadou A., Tzelepis G., Hahn M, **Karaoglanidis G**. 2026. Characterization of a CRISPR/CAS9 generated Botrytis cinerea mutant possessing the MDR-related V575G mutation in *Mrr1* gene. 21th International Reinhardsbrunn Symposium - Modern Fungicides and Antifungal Compounds, 19-23 April 2026, Friedrichroda, Germany.
9. **G. Karaoglanidis** 2025. Fungicide resistance in postharvest pathogens and its management as a tool to prevent food losses. VI International Conference on Postharvest and Quality Management of Horticultural Products of Interest for Tropical Regions**,** 5-7 November 2025, Bogota Colombia
10. Testempasis S, Dalakouras A, Koidou V, Papadopoulou K K, and **Karaoglanidis GS.** 2025. Control efficacy of a new SIGS-based biofungicide against *Penicillium digitatum* on citrus fruits. VI International Conference on Postharvest and Quality Management of Horticultural Products of Interest for Tropical Regions**,** 5-7 November 2025, Bogota Colombia
11. Angelos Floudas, Fotios Bekris, Nikolaos Krasagakis, Stefanos K. Soultatos, Stefanos G. Testempasis, Emmanouil Markakis, **George S. Karaoglanidis**, Dimitrios G. Karpouzas. 2025. Wood microbiome analysis in GTDs-symptomatic and asymptomatic table grape vines across Greece. IOBC- WPRS Meeting of the Working group- Integrated Protection on Viticulture, 13-15 October 2025 Mikulov, Czech Republic
12. Georgios Sofianos, Konstantinos Mavridis, Nikos Krasagakis, Angelos Floudas, Emmanouil Markakis, John Vontas, **George Karaoglanidis**. 2025. Monitoring of resistance-conferring mutations to SDHI, QoI and DMI fungicides in Greek populations of Erysiphe necator and development of ddPCR assays for detection and quantification of most common one. IOBC- WPRS Meeting of the Working group- Integrated Protection on Viticulture, 13-15 October 2025 Mikulov, Czech Republic
13. Eleftheriadou K., Testempasis S., Karatsalou-Legaki S., and **Karaoglanidis G.** 2025. Exploring varietal resistance to *Plasmopara viticola* and *Erysiphe necator*: Phenotypic screening of Greek grapevine germplasm. IOBC- WPRS Meeting of the Working group- Integrated Protection on Viticulture, 13-15 October 2025 Mikulov, Czech Republic
14. Angelos Floudas, Stefanos Gavriil Testempasis, Anna Flari, Eirini Dimou, Aikaterini Eleftheriadou, **George Karaoglanidis**. 2025. Evaluation of selected fungal biological control agents for the protection of grapevine pruning wounds against *Diplodia seriata.* IOBC- WPRS Meeting of the Working group- Integrated Protection on Viticulture, 13-15 October 2025 Mikulov, Czech Republic
15. Angelos Floudas, Fotios Bekris, Nikolaos Krasagakis, Stefanos K. Soultatos, Stefanos G. Testempasis, Emmanouil Markakis, George S. Karaoglanidis, Dimitrios G. Karpouzas. 2025. Grapevine wood microbiome analysis and its potential as a tool for grapevibe trunk diseases detection. Joint International Conference of Mikrobiokosmos & CEESME- Thessaloniki 09/2025
16. N. Vasileiou, V. Gavrili, L. Lotos, G.T. Tziros, **G. Karaoglanidis**, N. Katis, V. Maliogka. 2025. Study of two Olpidium-transimitted Ophioviruses infecting pepper crops in Greece. 16th International Symposium of Plant Virus Epidemiology. 30 June- 03 July, São Paulo, Brazil.
17. N. Christou, S. Testempasis, A. Floudas, S. Karatsalou-Legaki, K. Bakasietas, G**.S. Karaoglanidis.** 2025. Ozonated Water: A novel strategy for controlling grapevine

trunk pathogens during grapevine's propagation. 13th International Workshop on Grapevine Trunk Diseases, Ensenada, Baja California, Mexico, 20-24 July 2025.

18. A. Floudas, F. Bekris, N. Krasagakis, S.K. Soultatos, S.G. Testempasis, E. Markakis, G.S. Karaoglanidis, D.G. Karpouzas. 2025. Wood microbiome analysis in GTDs-symptomatic and asymptomatic table grape vines across Greece. 13th International Workshop on Grapevine Trunk Diseases, Ensenada, Baja California, Mexico, 20-24 July 2025.
19. A. Floudas, S. Testempasis, A. Flari, E. Dimou, A. Eleftheriadou, G.S. Karaoglanidis. 2025. Evaluation of selected fungal biological control agents for the protection of grapevine pruning wounds against *Diplodia seriata*. 13th International Workshop on Grapevine Trunk Diseases, Ensenada, Baja California, Mexico, 20-24 July 2025.
20. A. Floudas, S. G. Testempasis, A. Flari, E. Dimou, A. Eleftheriadou, **G. Karaoglanidis**. 2025. Evaluation of selected fungal biological control agents for the protection of grapevine pruning wounds against *Diplodia seriata*. 17th International Congress of the Mediterranean Phytopathological Union- Bari 6–10 July 2025.
21. G. Sofianos, K. Mavridis, N. Krasagakis, E. Markakis, J. Vontas, **G. Karaoglanidis**. 2025. Development of novel ddPCR assays for detection and quantification of SDHI resistance in *Botrytis cinerea.* 17th Congress of the Mediterranean Phytopathological Union, Bari, Italy, 6–10 July 2025.
22. Testempasis, S., Dalakouras, A., Koidou, V., Papadopoulou, K.K. and **Karaoglanidis, G.S.,** 2025. Control efficacy of a new SIGS-based biofungicide against Penicillium digitatum on citrus fruits. Proceedings of the 17th Congress of the Mediterranean Phytopathological Union, Bari, Italy, 6–10 July.
23. G. Sofianos, K. Mavridis, N. Krasagakis, E. Markakis, J. Vontas, **G. Karaoglanidis**. 2025. Development of novel ddPCR assays for detection and quantification of SDHI resistance in *Botrytis cinerea.* 14th Conference of the European Foundation for Plant Pathology, 3-5 June 2025, Uppsala, Sweden
24. A. Petmezas, G. Sofianos, S. Testempasis, A. Karipidis, K. Apostolidis, **G. Karaoglanidis**. 2025. Understanding Fungicide Resistance Mechanisms in *Monilinia fructicola.* 14th Conference of the European Foundation for Plant Pathology, 3-5 June 2025, Uppsala, Sweden
25. A. Eleftheriadou, A. Petmezas, S. Testempasis and G. Karaoglanidis. 2025. The potential role of *Bacillus amyloliquefaciens* strain MBI600 against *Pythium ultimum* in cotton seedlings and its impact on plant defence. 14th Conference of the European Foundation for Plant Pathology, 3-5 June 2025, Uppsala, Sweden
26. G.T. Tziros, A. Ainalidou, A.Samaras, M. Kollaros, K. Karamanoli, U. Menkissoglu-Spiroudi, **G.S. Karaoglanidis** 2025. Resistance evaluation of Greek grape wine cultivars to Botrytis Bunch rot and study of defense-related gene expression and metabolite accumulation. International Symposium on Plant Pathogenic Sclerotiniaceae (BotryScleroMoni 2025). 25-30 May, Thessaloniki, Greece.
27. Morellos, A., Tsitsopoulos, C., Testempasis, S., **Karaoglanidis, G**., Dordas, C., Pantazi, X. E. 2025. Ai-driven hyperspectral analysis approach for pre-symptomatic detection of Botrytis cinerea in tomato plants. International Symposium on Plant Pathogenic Sclerotiniaceae, BotryScleroMoni, 25-30 May 2025, Thessaloniki, Greece
28. Testempasis, S., **Karaoglanidis, S. G.** 2025. Tracking brown rot in peach orchards: linking inoculum vdynamics to climatic data for improved disease management". International Symposium on Plant Pathogenic Sclerotiniaceae, BotryScleroMoni, 25-30 May 2025, Thessaloniki, Greece

29. Petmezas, A., Sofianos, G., Testempasis, S., **Karaoglanidis, S. G.** 2025. Measuring the frequencies and investigating the mechanisms of fungicide resistance in Monilinia fructicola populations from peach orchards in Greece. International Symposium on Plant Pathogenic Sclerotiniaceae, BotryScleroMoni, 25-30 May 2025, Thessaloniki, Greece
30. Petmezas, A., Testempasis, S., **Karaoglanidis, S. G.** Effectiveness of «Green Chemistry» products against Brown rot of peaches and associated plant defense responses. International Symposium on Plant Pathogenic Sclerotiniaceae, BotryScleroMoni, 25-30 May 2025, Thessaloniki, Greece
31. Stefanidou, E., Testempasis, S., Karamichali, I., Katsenios, N., Chatzitipi, D., Pavlou, A., Efthimiadou, A**., Karaoglanidis, S. G.,** Madesis, P. 2025. Sclerotinia sclerotiorum biocontrol in Vicia faba L: Evaluating a novel Bacillus subtilis phytoprotective application. International Symposium on Plant Pathogenic Sclerotiniaceae, BotryScleroMoni, 25-30 May 2025, Thessaloniki, Greece
32. G. Sofianos, K. Mavridis, N. Krasagakis, E. Markakis, J. Vontas, **G. Karaoglanidis**. 2025. Development of novel ddPCR assays for detection and quantification of SDHI resistance in *Botrytis cinerea*. International Symposium on Plant Pathogenic Sclerotiniaceae, 25-30 May 2025, Thessaloniki, Greece.
33. **Karaoglanidis, G. S.** and Testempasis, S. 2024. Fungicide resistance in postharvest pathogens and its management as a tool to prevent food losses. VII International Symposium on Postharvest Pathology: Next frontiers for improved knowledge and management of postharvest diseases, 11-15 of November, Rotorua, New Zealand.
34. Testempasis, S., Petmezas, A., and **Karaoglanidis, G.S**. 2024. Exploring the effect of electrolyzed water against brown rot disease (Monilinia spp.) on peach fruits. VII International Symposium on Postharvest Pathology: Next frontiers for improved knowledge and management of postharvest disease, 11-15 of November, Rotorua, New Zealand.
35. Testempasis, S., Papazlatani, C.V., Theocharis, S., Koundouras, S., Karas, P.A., Karpouzas, D.G., **Karaoglanidis, G.S.** 2024. Deciphering the effects of agronomical practices on Aspergillus incidence and carposphere's microbial communities of grapevine. VII International Symposium on Postharvest Pathology: Next frontiers for improved knowledge and management of postharvest disease, 11-15 of November, Rotorua, New Zealand.
36. G.T. Tziros, A. Samaras, **G.S. Karaoglanidis** 2024. Soil solarization efficiently reduces fungal soilborne pathogens' population, promotes lettuce plant growth and affects the soil bacterial community. XX International Plant Protection Congress, 1-5- July, Athens, Greece.
37. A. Papoutsis, G.T. Tziros, **G.S. Karaoglanidis** 2024. *Bacillus* spp. isolated from solarized fields promote lettuce plants' growth and induce systemic resistance against the soilborne pathogen *Rhizoctonia solani*. XX International Plant Protection Congress, 1-5 July, Athens, Greece.
38. G.T. Tziros, **G.S. Karaoglanidis** 2024. *Fusarium oxysporum* f. sp. *lactucae* as the causal agent of letucce wilt in Greece: Identification, pathogenicity and defense-related genes' expression. XX International Plant Protection Congress, 1-5 July, Athens, Greece.
39. Petmezas A., Testempasis S., Sofianos G. and **G. Karaoglanidis**, 2024. Fungicide sensitivity profile of *Monilinia fructicola* isolates in Greece" XX International Plant Protection Congress, 1-5 July 2024, Athens, Greece
40. G. Sofianos, G.T. Tziros, I. Samaras, **G.S. Karaoglanidis** 2024. Determining fungicide resistance profiles of *Botrytis cinerea* isolates from greenhouse-grown

vegetable crops in Crete Island, Greece. XX International Plant Protection Congress, 1-5 July, Athens, Greece.

41. Petmezas, A., Testempasis, S., and **Karaoglanidis, G.S.** 2024. Exploring the effect of electrolyzed water against brown rot disease (Monilinia spp.) on peach fruits. XX International Plant Protection Congress, 1-5th of July, Athens, Greece.
42. Testempasis, S., Kamou, N., Papadakis, E., Menkissoglu-Spiroudi, O., **Karaoglanidis, G.S.** 2024. Conventional vs. Organic farming system: Black Aspergilli population structure, mycotoxigenic capacity and mycotoxin contamination assessment in Greek wines. XX International Plant Protection Congress, 1-5th of July, Athens, Greece.
43. Testempasis, S., Papazlatani, C.V., Theocharis, S., Koundouras, S., Karas, P.A., Karpouzas, D.G., **Karaoglanidis, G.S.** 2024. Deciphering the effects of agronomical practices on Aspergillus incidence and carposphere's microbial communities of grapevine. XX International Plant Protection Congress, 1-5th of July, Athens, Greece.
44. Testempasis, S., Christou, N., Bakasietas, K., Karatsalou-Legaki, S., **Karaoglanidis, G.S. 2024.** Ozonated Water: A novel strategy for controlling grapevine trunk pathogens during grapevines propagation. XX International Plant Protection Congress, 1-5 th of July, Athens, Greece.
45. Testempasis, S. and **Karaoglanidis, G. S.** 2024. Fungicide resistance in postharvest pathogens and its management as a tool to prevent food losses. Innovations in Food Loss and Waste Management, 23- 25 January, Ancona, Italy.
46. Testempasis, S., Stravridou, E., Madesis, P., **Karaoglanidis, G. S**. 2023. Identification and quantification of Grapevine trunk and black-foot diseases pathogens in the soil, using real-time PCR coupled with HRM. 10th International Table Grape Symposium, 26th of November – 1st of December 2023, Cape Town, South Africa.
47. Testempasis, S., Papazlatani, C.V., Theocharis, S., Koundouras, S., Karas, P.A., Karpouzas, D.G., **Karaoglanidis, G.S**. 2023. Insights into the effects of agronomical management practices in Aspergillus incidence and carposphere's microbial communities of grapevine (cv. Syrah). IOBC/WPRS Working Group "Integrated Protection in Viticulture, 3-5 October 2023, Logrono, Spain.
48. **Karaoglanidis, G. S.,** Testempasis, S., Ntasiou, P., Tsouvalas, T., Mpila, E., 2023. Deciphering the susceptibility level of Greek grapevine cultivars to GTD's pathogens through measurements of defense-related genes expression. XIII International Conference on Grapevine Breeding, Genetics and Management, 21-24 August 2023, Cappadocia, Turkey.
49. Testempasis, S., Stravridou, E., Madesis, P., **Karaoglanidis, G. S**. 2023. "Identification and quantification of Grapevine trunk and black-foot diseases pathogens in the soil, using real-time PCR coupled with HRM". 12th International Conference of Plant Pathology, 20-25 August 2023, Lyon, France.
50. Testempasis, S., Papazlatani, C.V., Theocharis, S., Koundouras, S., Karas, P.A., Karpouzas, D.G., **Karaoglanidis, G.S.** 2023. Insights into the effects of agronomical management practices in Aspergillus incidence and carposphere's microbial communities of grapevine (cv. Syrah). 12th International Conference of Plant Pathology, 20-25 August 2023, Lyon, France.
51. G.T. Tziros, A. Samaras, **G.S. Karaoglanidis** 2023. Development of a Real-Time PCR for the detection and quantification of *Fusarium equiseti* inoculum in soil from lettuce fields. 12th International Congress of Plant Pathology, 20-25 August, Lyon, France.

52. Testempasis, S & **Karaoglanidis, G. S**. 2023. Resistance of Black Aspergilli Species from Grape Vineyards to SDHI, QoI, DMI, and Phenylpyrrole Fungicides. 20th International Reinhardsbrunn Symposium, 23-27 April 2023, Friedrichroda, Germany.

53. Samaras, A., Chatzipetrou, C., Derpman, J., Kalpakidis, A. & **Karaoglanidis, G**. 2022. 'Novel SDHI molecules may change sdhB mutation frequencies and select for new mutations in Botrytis cinerea populations – nematicidal applications of fluopyram as a case study', 18th International Botrytis Symposium, BotrySclero 2022, 13-17 June 2022, Avignon, France

54. Testempasis, S., Kamou, N., Menkissoglu-Spiroudi, O., **Karaoglanidis, G.S.** 2022. Unravelling the impact of conventional and organic farming system on Black Aspergilli population structure, mycotoxigenic capacity and mycotoxin contamination assessment in Greek wines, using a new Q-TOF MS-MS detection method. VI International Symposium of Postharvest Pathology, 29/5-2/6 2022, Limassol, Cyprus.

55. Testempasis, S., Tsintila, V. and **Karaoglanidis, G. S**. 2022. Assessment of sensitivity to boscalid, fluopyram and tebuconazole in Monilinia fructicola isolates obtained from peach orchards in Greece. VI International Symposium of Postharvest Pathology, 29/5-2/6 2022, Limassol, Cyprus.

56. Testempasis, S., Ntasiou, P., Tsouvalas, T., Mpila, E., **Karaoglanidis, G. S.** 2022. Deciphering the susceptibility level of Greek grapevine cultivars to GTD's pathogens through measurements of defense-related genes expression. 12th International Workshop of Grapevine Trunk Diseases, 10-14 July 2022, Mikulov, Czech Republic.

57. Testempasis, S., Stravridou, E., Madesis, P., Karaoglanidis, G. S. 2022. Identification and quantification of Grapevine trunk and black-foot diseases pathogens in the soil, using real-time PCR coupled with HRM. 12th International Workshop of Grapevine Trunk Diseases, 10-14 July 2022, Mikulov, Czech Republic.

58. Samaras, A., Werner, J., Rodovitis, I., Hahn, M. & **Karaoglanidis, G**. 2021. 'Use of CRISPR/Cas9 editing to generate mutations in erg27 gene of Botrytis cinerea associated with resistance to hydroxyanilides', 31st Fungal Genetics Conference, 15-20 March 2022, Asilomar, CA, USA.

59. Testempasis, S., Papazlatani, C.V., Theocharis, S., Koundouras, S., Karas, P.A., Karpouzas, D.G., **Karaoglanidis, G.S.** 2021. Insights into the effects of agronomical management practices in Aspergillus incidence and carposphere's microbial communities of grapevine (cv. Syrah). 9th Conference of Microbiokosmos, 16-18 December 2021, Athens, Greece.

60. Testempasis, S., Kamou, N., Menkissoglu-Spiroudi, O., **Karaoglanidis, G.S**.2021. Unravelling the impact conventional and organic farming on Black Aspergilli population structure, mycotoxigenic capacity and mycotoxin contamination assessment in Greek wines, using a new Q-TOF MS-MS detection method. 9th Conference of Microbiokosmos, 16-18 December 2021, Athens, Greece.

61. Kamou, N.N., Papadakis, E., Samaras, A., Karamanoli, K., **Karaoglanidis, G.S**. & Menkissoglu-Spiroudi, U. 2021. The biocontrol potential of two Bacillus rhizobacteria through the production of surfactins and fengycins, 9th Symposium of Microbiokosmos, 16–18 December, Athens, Greece.

62. Papazlatani, C. V., Kolovou, M., Gkounou, E. E., Azis, K., Mavriou, Z., Testempasis, S., ... & Karpouzas, D. G. 2021. Isolation, characterization and application of a Mycosphaerella tassiana fungal isolate for the removal of imazalil from Agro-industrial effluents. 9th Conference of Microbiokosmos, 16-18 December 2021, Athens, Greece.

63. Bekris, F., Vasileiadis, S.,Papadopoulou, E., Samaras, A., Testempasis, S., …. & Dimitrios, K. G. 2021. Grapevine wood microbiome analysis identifies key fungal pathogens and potential interactions with the bacterial community implicated in grapevine trunk disease appearance. 9th Conference of Microbiokosmos, 16-18 December 2021, Athens, Greece.

64. Testempasis, S., Tsintila, V., **Karaoglanidis, G.S.** Assessment of sensitivity to boscalid, fluopyram and tebuconazole in Monilinia fructicola isolates obtained from peach orchards in Greece. The 2nd International Electronic Conference on Plant Science, 1-15 December 2021 (online).

65. Testempasis, S.G., Kamou, N.N., **Karaoglanidis, G.S.,** and Menkissoglu-Spiroudi, U. 2020. "Black Aspergilli" in vineyards of conventional and organic farming: Investigating the population structure and mycotoxigenic capacity of Aspergillus species section Nigri. The 1st International Electronic Conference on Plant Science, session Plant Protection, Response to stress and Climate Change, MDPI, 01/12/2020 - 15/12/2020.

66. Ntasiou, P., Tziros, G., **Karaoglanidis, G.S.** 2020. Novel copper nanoparticles for the control of olive foliar and fruit diseases. The 1st International Electronic Conference on Plant Science, session Plant Protection, Response to stress and Climate Change, MDPI, 01/12/2020 - 15/12/2020.

67. Ntasiou,P., Samaras, A., Myresiotis, C.K., and **Karaoglanidis, G.S**. 2019. Resistance of *Penicillium expansum* to the SDHI fungicide boscalid and identification of mutations in *sdh* gene. Resistance 2019, 16-18 September 2019, Herpenden UK.

68. Samaras, A., Ntasiou P., Testempasis, S., Theocharis S., Koundouras, S and **Karaoglanidis G.S.** 2019. Evaluation of the fungicide Tessior (boscalid and pyraclostrobin) for control of grapevine trunk diseases in Greece. 11th International Workshop on Grapevine Trunk Diseases . 7-12 July 2019 - Penticton, British Columbia, Canada.

69. Testempasis S., Tanou, G., Samaras A. Papadakis E., Molassiotis, A. and **Karaoglanidis G.S.** 2019. Exploring the effects of gaseous Ozone (O3) and 1-Methylcyclopropene (1-MCP) treatments on the development of *Penicillium expansum* and patulin production on apple fruits (cv. Granny Smith) using "omics'' approaches. IV International Symposium on Postharvest Pathology: From Consumer to Laboratory - Sustainable Approaches to Managing Postharvest Pathogens, 19-24 May 2019, Liege, Belgium.

70. Samaras A., Chatzipetrou, C. and **Karaoglanidis, G.S.** 2019. Current status of SDHIs resistance of *Botrytis cinerea* in tomato greenhouses and resistance management using *Bacillus subtilis* QST 713. 6th International Symposium on Tomato Diseases, 6-9 May 2019, Taichung, Taiwan.

71. Samaras, A., Chatzipetrou, C. and **Karaoglanidis, G.S.** 2019. Effects of Bacillus subtilis713 on the management of SDHIs resistance in Botrytis cinerea. 19th International Rheinahrdsbrun Symposium: Modern Fungicides and Antifungal compounds. 12-17 April 2019, Frierdrichroda, Germany

72. Samaras A., Madesis P., **Karaoglanidis G.S.** 2016. Detection of *sdh*B gene mutations in SDHI-resistant isolates of *Botrytis cinerea* using High Resolution Melting (HRM) analysis. XVII International Botrytis Symposium, 24-28 October 2016, Santa Cruz, Chile.

73. Testempasis S., Karagiannis E., Tanou G., Minas I., Molassiotis A., **Karaoglanidis G.S.** 2016. Exploring the effects of gaseous ozone and 1-methylcyclopropene

treatments on gray mold of apple fruit at proteomic level. XVII International Botrytis Symposium, 24-28 October 2016, Santa Cruz, Chile

74. Testempasis S., Puckett, R.D., Michailides T.J., **Karaoglanidis G.S.** 2016. Population structure and fungicide resistance profile of *Botrytis* spp. associated with gray mold disease of pomegranate fruit in California and Greece. XVII International Botrytis Symposium, 24-28 October 2016, Santa Cruz, Chile

75. **Karaoglanidis G.S.** 2016. Updates in the resistance to succinate dehydrogenase inhibitors (SDHIs) in *Botrytis* spp. XVII International Botrytis Symposium, 24-28 October 2016, Santa Cruz, Chile (Keynote presentation)

76. **Karaoglanidis G.S.** 2016. *Monilinia fructicola*: an emerging pathogen attacking stone fruit crops in Europe. 5th International Conference on Integrated Fruit Production, 4-8 September 2016, Thessaloniki (Invited presentation).

77. Samaras A., Efthimiou K., Roumeliotis E., **Karaoglanidis G.S**. 2016. Biocontrol potential and plant growth promoting effects of *Bacilus amyloliquefaciens* MBI 600 against *Fusarium oxysporum* f.sp. *radicis-lycopersici* on tomato. 5th International Symposium on Tomato Diseases, 13-16 June 2016, Malaga, Spain.

78. Testempasis S., Molassiotis A., **Karaoglanidis G.S.** 2016. Exploring the effects of gaseous Ozone (O_3) and 1-Methylcyclopropene (1-MCP) treatments on the development of P*enicillium expansum* and patulin production on apple fruits (cv. Granny Smith). 5th International Symposium on Mycotoxins and Toxigenic Moulds: Challenges and Perspectives, Ghent, Belgium, May 11 2016.

79. Samaras A., Madesis P., **Karaoglanidis G.S.** 2015. Multiple fungicide resistance profile, *sdhB* mutation frequency and population structure of *Botrytis cinerea* from strawberries and greenhouse-grown tomatoes in Greece. Resistance 2015, Herpenden UK, 13-15 September 2015.

80. Papavasileiou A, Madesis P and **Karaoglanidis GS.** 2015. Identification and differentiation of *Monilinia* species causing brown rot of stone fruit using high resolution melting (HRM) analysis. XVIII. International Plant Protection Congress (IPPC), 24-27 August 2015, Berlin, Germany.

81. Samaras A, Konstantinou S, **Karaoglanidis GS**. 2015. Incidence and molecular characterization of fenhexamid-resistant isolates of *Botrytis cinerea* from strawberry and greenhouse grown tomatoes in Greece. XVIII. International Plant Protection Congress (IPPC), 24-27 August 2015, Berlin, Germany.

82. Testempasis, S., Puckett, R.D., Drogoudi, P.D., Michailides T.J., and **G. S. Karaoglanidis.** 2015. Population structure and fungicide resistance profile of Botrytis spp. associated with stem end rot of pomegranate fruit in California and Greece. III International Symposium on Postharvest Pathology: Using Science to Increase Food Availability, 7-11 June 2015, Bari, Italy.

83. Testempasis, S., Karagiannis, E., Tanou, G., Minas, I., Molassiotis A., and **G. S. Karaoglanidis.** 2015. Exploring the effects of gaseous ozone and 1-methylcyclopropene treatments on gray mold of apple fruit at physiological and proteomic level. III International Symposium on Postharvest Pathology: Using Science to Increase Food Availability, 7-11 June 2015, Bari, Italy.

84. Konstantinou, S., Sarmis, G., Liounis, N., and **G.S. Karaoglanidis** 2014. Effect of PGPR *Bacillus* spp. strains on the control of *Botrytis cinerea*, the causal agent of a damping-off disease on cherry rootstock seedlings Cab 6P. 5th Asian Conference on Plant Pathology, 3-6 November 2014, Chiang Mai, Thailand, pp. 82.

85. Myresiotis, C., Testempasis, **Karaoglanidis, G.S.,** and Papadopoulou-Mourkidou, E. 2014. A new method for determination of *Alternaria* mycotoxins alternariol, alternariol monomethyl ether and tentoxin in pomegranate fruits and juices using a

QuEChERS-based extraction procedure and HPLC-DAD. 14th Mediterranean Phytopathological Union (MPU) Congress, 25-29 August 2014, Istanbul, Turkey, pp. 143.

86. Papadopoulos, V., Minas, I., Myresiotis, C., Molassiotis, A., and **Karaoglanidis, G.S.,** 2014. Effect of gaseous ozone and 1-methylcyclopropene treatments on the development of *Penicillium expansum* and patulin production in apple fruit. 14th Mediterranean Phytopathological Union (MPU) Congress, 25-29 August 2014, Istanbul, Turkey, pp. 128.

87. Ntasiou, P., Konstantinou, S., Myresiotis, C., Papadopoulou-Mourkidou, E., and **Karaoglanidis, G.S**. 2015. Identification, characterization and mycotoxigenic ability of Alternaria spp. causing core rot of apple fruit in Greece. APS-CPS Joint Meeting, Minneapolis, August 2014, Phytopathology 104: 63

88. Konstantinou, S., Sarmis, G., and **G.S. Karaoglanidis**. 2014. Population structure and fungicide resistance profile of Botrytis spp. causing damping-off disease in stone and pome fruit rootstock seedlings. APS-CPS Joint Meeting, Minneapolis, August 2014, Phytopathology 104: 62-63

89. Papavasileiou, A., Tanou, G., Molassiotis, A., and Karaoglanidis, G.S. 2014. A proteomic approach to characterize defence responses of peach fruit (*Prunus persica* L. Batsch) against *M. fructicola* and *M. laxa*. XVI International Congress on Molecular Plant-Microbe Interactions, 6-10 July 2014, Rhodes, Greece

90. Papavasileiou, A.A., Luo Y., Michailides, T.J., and **Karaoglanidis, G.S**. 2013.Interspecific variability and analysis of genetic diversity of *Monilinia* spp. populations from stone fruit orchards, in Greece. 10th International Congress of Plant Pathology, 25-30 August 2013**,** Beijing, China.

91. Kalogeropoulou, P., Konstantinou, S., Leroch, M., Veloukas, T., Hahn M., and Karaoglanidis G.S. 2013. Multiple fungicide resistance profile, sdhB mutation frequency and population structure of Botrytis cinerea from strawberries and green-house grown tomatoes in Greece. XVI International Botrytis Symposium, 23-28 June 2013, Bari, Italy.

92. Veloukas, T., Kalogeropoulou, P., Papavasileiou, A., and **Karaoglanidis G.S.** 2011.7th MGPR International Symposium "Paolo Cabras", 9-11 November 2011, Thessaloniki, Greece.

93. Markoglou, A.N., Malandrakis, A.A., Koukiasas, N., Veloukas, T., **Karaoglanidis, G.S**. Resistance risk assessment to fenhexamid in *Monilinia laxa*. International Congress of Postharvest Pathology, 11-14 April 2011, Lleida, Spain.

94. Konstantinou, S., **Karaoglanidis, G.S.,** Bardas, G., Minas, I.S., Doukas, E., Markoglou, A.N. 2011. Postharvest pathogen incidence of apple fruit in Greece and relationships between patulin production by *Penicillium expansum*, apple cultivar and fruit quality parameters. International Congress of Postharvest Pathology, 11-14 April 2011, Lleida, Spain.

95. Samuel, S., Veloukas, T., Papavasiliou, A., **Karaoglanidis, G.S.** 2011. Prevalence of vacuma–type *Botrytis cinerea* strains in stored kiwifruit and apple fruit. International Congress of Postharvest Pathology, 11-14 April 2011, Lleida, Spain.

96. Minas, I.S., **Karaoglanidis, G.S.,** Manganaris, G.A., Vasilakakis, M. 2011. Gaseous ozone treatment of kiwifruit during cold storage induces resistance to stem-end rot caused by the fungal pathogen *Botrytis cinerea*. International Congress of Postharvest Pathology, 11-14 April 2011, Lleida, Spain.

97. Bardas, G.A., C.K. Myresiotis and **G.S.Karaoglanidis**. 2008. Fitness of anilinopyrimidine-resistant strains of *Botrytis cinerea*. ICPP 2008. 9th International

Congress of Plant Pathology, Torino, August 2008. Journal of Plant Pathology 90: S135.

98. Avenot HF., Sellam A. Morgan DP., **Karaoglanidis, GS.** and Michailides, TM. 2008. A single amino-acid change in the cytochrome b560 subunit of succinate dehydrigenase complex (SDhC) correlates with boscalid resistance in *Alternaria alternata* isolates from California pistachio. Phytopathology 98: S16. APS Centennial Meeting, Minneapolis, MN, 26-30 July 2008.

99. Ioannidis, P. M., and **G. S. Karaoglanidis**. 2006. Control of Cercospora leaf spot of sugarbeets using fungicides and disease-tolerant cultivars. Phytopathology 96: S142. APS-CPS-MSA Joint Meeting. July 29 - August 2, 2006, Quebec City, Quebec, Canada.

100. Ioannidis, P.M., **Karaoglanidis, G.S.,** Karadimos, D.A., Kokkinis, G., Doulias, K. and Nerantzis, X. 2006. Control of Cercospora leaf-spot of sugar beet with tank or pre-packed mixtures of strobilurin and triazole fungicides in Greece. In: Proceedings of the 69th IIRB Congress, 14-15 February 2006, Brussells, Belgium.

101. **Karaoglanidis, G.S.,** Ioannidis, P.M., Nerantzis, X., Kokkinis, G., Doulias, K. and Karadimos, D.A. 2006, Effect of cultivar tolerance and number of fungicide spray applications on the development of Cercospora leaf-spot epidemics on sugar beet. In: Proceedings of the 69th IIRB Congress, 14-15 February 2006, Brussells, Belgium.

102. Karadimos D. A., **Karaoglanidis, G. S.,** and K. Tzavella–Klonari. 2004. Biological activity of the Q_o Inhibitor fungicides trifloxystrobin and pyraclostrobin against *Cercospora beticola.* 7th Conference of the European Foundation for Plant Pathology (EFPP). Discovery, Development and Delivery in Plant Pathology, 5-10 September 2004, Aberdeen, UK

103. Ioannidis, P.M., Ioannidis, P.I., Karadimos, D.A., **Karaoglanidis, G.S.** 2001. Sensitivity profiles of *Cercospora beticola* populations to several fungicide classes in Greece. In: Resistance 2001: Meeting the challenge. 24-26 September 2001, IACR-Rothamsted, UK.