

**CURRICULUM VITAE, EDUCATION,
TEACHING AND RESEARCH ACTIVITY**

Testempasis Stefanos Gavriil

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A. PERSONAL INFORMATION

Full name: Stefanos Gavriil Testempasis

Date of birth: 28 July 1991

Place of birth: Skydra

Military Service: September 2017- May 2018

Current Position: Assistant Professor of Plant Pathology – Mycology
(ΦΕΚ 1203/Γ/31-03-2025)

Work Address: Department of Agriculture, School of Agricultural Sciences, University of Western Macedonia



testempasis@gmail.com



<https://www.linkedin.com/in/stefanos-gabriel-testempasis-34521a7b/>



<https://www.researchgate.net/profile/Stefanos-Testempasis>



ORCID®
<https://orcid.org/0000-0002-1892-8523>



Web of Science Researcher ID
GXV-1923-2022

B. EDUCATION – PROFESSIONAL EXPERIENCE

Basic Education

1. 2006 – 2009: Graduate of General High School of Skydra, Pella with a grade of 17.9/20. Graduation year: 2009.

Academic Education

1. 2009 – 2014: Aristotle University of Thessaloniki, School of Agriculture, Faculty of Agriculture, Forestry and Natural Environment, Field of Plant Protection, **Bachelor of Science** (Grade: 7.41/10).

BSc Thesis: “Study of the population structure of *Monilinia* spp. fungal species causing Brown Rot disease in stone fruit crops”, Plant Pathology Laboratory, Supervisor: Georgios Karaoglanidis.

2. 2014 – 2017: Aristotle University of Thessaloniki, School of Agriculture, Faculty of Agriculture, Forestry and Natural Environment, **Master of Science in Plant Protection** (MSc), Expertise in Plant Pathology, (Graduation: 23/01/2017, Grade: 8.46, “Very Good”).

MSc Thesis: “Investigation of the effect of Ozone and 1-MCP on the development of blue mold (*Penicillium expansum*) and patulin production in apple fruits (cv. Granny Smith”, Plant Pathology Laboratory, Supervisor: Georgios Karaoglanidis.

3. 2018 – 2023: Aristotle University of Thessaloniki, School of Agriculture, Faculty of Agriculture, Forestry and Natural Environment, **Doctor of Philosophy** (PhD), (Graduation: 28/03/2023, “Excellent”).

PhD Thesis: “Black Aspergilli on grapes: Influence of agronomic practices on carposphere microbiome, mycotoxin contamination risk, and fungicide resistance”, Plant Pathology Laboratory, Supervisor: Georgios Karaoglanidis.

4. 2023 – 2024: **Post-Doctoral researcher**, Aristotle University of Thessaloniki, School of Agriculture, Faculty of Agriculture, Forestry and Natural Environment (Decision No. 969/21-12-2023).

Post-Doctoral research: “Comparative study of the wood microbiome of grapevines between asymptomatic and symptomatic vines infected with grapevine wood pathogens”

Foreign Languages

1. **English:** Very good knowledge (Level: B2), Certificate of Competency in English, The University of Michigan.
2. **German:** Good knowledge (Level: B1), Zertifikat Deutsch, Goethe Institute.

Professional Experience

"Employment in competitive research programs focused on Plant Pathology-Mycology"

1. 02/07/2013 – 31/08/2013, Member of the research team. "Brown Rot of Stone Fruits: Investigation of the etiology, molecular and biological characterization of pathogen populations, and fungicide sensitivity profiles for optimizing control strategies". Funding: G.S.R.I, Action "Enhancement of Small and Medium-Sized Enterprises".
2. 15/03/2014 – 31/08/2014, Member of the research team. "Brown Rot of Stone Fruits: Investigation of the etiology, molecular and biological characterization of pathogen populations, and fungicide sensitivity profiles for optimizing control strategies". Funding: G.S.R.I, Action "Enhancement of Small and Medium-Sized Enterprises"
3. 02/10/2014 – 31/10/2014, Member of the research team. "Brown Rot of Stone Fruits: Investigation of the etiology, molecular and biological characterization of pathogen populations, and fungicide sensitivity profiles for optimizing control strategies". Funding: G.S.R.I, Action "Enhancement of Small and Medium-Sized Enterprises"
4. 26/03/2015 – 10/04/2015, Member of the research team. "Brown Rot of Stone Fruits: Investigation of the etiology, molecular and biological characterization of pathogen populations, and fungicide sensitivity profiles for optimizing control strategies". Funding: G.S.R.I, Action "Enhancement of Small and Medium-Sized Enterprises"
5. 21/10/2015 – 30/11/2015, Member of the research team. "The use of ozone as a means of postharvest management of fruit and vegetable products – Effect of ozone on postharvest fruit rots, *ex-vitro* effect of ozone gas application on the development of significant postharvest diseases in apples". Funding: General Ministry of Education, Religious Affairs, and Sports, Action "Thales".
6. 01/04/2019 – 31/12/2019, Member of the research team. "Integrated improvement of the cultivation and quality of stone peaches through the development of innovative infrastructure for distributed collection and processing of field data – Application of alternative plant protection methods and recording of the methodologies applied, along with the evaluation of their impacts on the quantitative and qualitative production of peaches, in comparison to conventional plant protection practices". Funding: MIA-RTDI, Action "Research, Create, Innovate – 1st Cycle (T1EDK-04591)".

7. 01/01/2020 – 24/02/2021, Member of the research team. "Development of advanced copper nanoparticles for agricultural biotechnology applications". Funding: MIA-RTDI, Action "Research, Create, Innovate – 1st Cycle (T1EDK-04591)".
8. 08/01/2020 – 07/04/2021, Member of the research team. "Organic vineyards vs. Conventional plant protection vineyards: investigation of Aspergillus population dynamics, correlation with the microbial community, and determination of contamination risk by mycotoxins". Funding: Human Resources Development, Education, and Lifelong Learning, EDBM, Action 'Support for Researchers with an Emphasis on Young Researchers – 2nd Cycle (MIS 5047881)".
9. 15/01/2020 – 24/07/2021, Member of the research team. " Optimization of propagative material production in vegetable crops and plant protection management in greenhouses using modern biological and biotechnological methods". Funding: MIA-RTDI, Action "Research, Create, Innovate – 1st Cycle (T1EDK-04142)".
10. 25/07/2021 – 24/01/2022, Member of the research team. "Optimization of propagative material production in vegetable crops and plant protection management in greenhouses using modern biological and biotechnological methods". Funding: MIA-RTDI, Action "Research, Create, Innovate – 1st Cycle (T1EDK-04142)".
11. 01/02/2022 – 31/07/2022, Member of the research team. "Optimization of grapevine propagative material production through the utilization of physical, biological, and biotechnological methods". Funding: MIA-RTDI, Action "Research, Create, Innovate – 2nd cycle (T2EDK-05084)".
12. 05/08/2022 – 31/08/2022, Member of the research team. "Optimization of grapevine propagative material production through the utilization of physical, biological, and biotechnological methods". Funding: MIA-RTDI, Action "Research, Create, Innovate – 2nd cycle (T2EDK-05084)".
13. 01/09/2022 – 23/09/2022, Member of the research team. "Optimization of grapevine propagative material production through the utilization of physical, biological, and biotechnological methods". Funding: MIA-RTDI, Action "Research, Create, Innovate – 2nd cycle (T2EDK-05084)".
14. 06/05/2023 – 24/05/2023, Member of the research team. "Optimization of grapevine propagative material production through the utilization of physical, biological, and biotechnological methods". Funding: MIA-RTDI, Action "Research, Create, Innovate – 2nd cycle (T2EDK-05084)".
15. 16/06/2023 – 31/03/2024, Member of the research team. (Post-Doctoral researcher). "Multiple (MLR) and Multidrug Resistance (MDR) to fungicides in *Botrytis cinerea*:

unraveling resistance mechanisms and elucidating interactions with biological control agents using “omic” approaches". Funding: Hellenic Foundation of Research and Innovation (H.F.R.I.), Action: “2nd HFRI call for research projects for the support of University faculty members and researchers of research institutes (HFRI Project No: 2959)”.

16. 20/12/2023 - 31/05/2025, Member of the research team (Post-Doctoral researcher). “Electrolyzed water: a 'green' innovation for managing Brown Rot in stone fruits”, . Funding: Rural Development Program (RDP).
17. 25/04/2024 – 25/04/2025, Member of the research team (Post-Doctoral researcher). “Innovative solutions for sustainable and environmentally friendly plant protection of Greece’s fruit and vegetable crops in the Europe of the future”. Funding: "National Recovery and Resilience Plan Greece 2.0"
18. 27/03/2024 – Today, Member of the research team (Post-Doctoral researcher). “Improvement and plant protection strategies in vineyards for the use of pesticides”. Funding: HORIZON 2021-2027

"Employment in non-competitive research programs focused on Plant Pathology-Mycology"

19. 01/01/2023 – 28/02/2023, Member of the research team. "Control of produced propagative material in vegetable crops for mycological and bacteriological pathogens". Private Funding.
20. 04/07/2018 – 30/09/2018, Μέλος ερευνητικής ομάδας. "Management of cotton pathogens with the fungicide Systiva". Private Funding.
21. 01/11/2018 – 30/11/2018, Member of the research team. "Production of inoculum of soil-borne pathogens in tomatoes and cucumbers". Private Funding.
22. 01/03/2019 – 30/04/2019, Member of the research team. "Effect of Serenade Max on managing mutations of SdhB in *B. cinerea*". Private Funding.
23. 02/10/2019 – 31/10/2019, Member of the research team. "Effect of the fungicide Systiva on managing cotton seedling blight in the field and preparation of inoculum of the fungus *Rhizoctonia solani*". Private Funding.
24. 25/05/2023-30/09/2023, Member of the research team. “Development of methods for managing pathogens of *Crocus sativus* L and identification of resistance in its genetic material to these pathogens”. Funding: Region of Western Macedonia.

Other professional experience in the field of Agronomy

25. 15/07/2013 – 14/08/2013, Internship, Agricultural Cooperative P. Ilia, Skydra.
26. 01/06/2017 – 16/09/2017, Seasonal Agronomist, Agricultural Cooperative of Kalivia, Skydra.
27. 04/06/2018 – 31/08/2018, Seasonal Agronomist, Agricultural Cooperative of P. Mylotopou, Giannitsa.

Technical Skills

- Specialization in disease diagnosis and identification of plant pathogenic microorganisms.
- Maintenance of bacterial and fungal collections.
- Experience in analytical chemistry techniques for the identification and quantification of mycotoxins.
- Experience in conducting *in vitro* assays for determining the sensitivity levels of phytopathogenic fungi to fungicides
- Experience in basic and advanced molecular biology techniques (DNA, RNA, and protein extraction from bacterial and fungal cultures and microbial communities, PCR, qPCR, Sanger sequencing, Next Generation Sequencing, cloning, proteomics, RNAi synthesis, etc.).
- Experience in conducting field experiments for the evaluation of plant protection products.
- Experience in bioinformatics analysis of NGS data.
- Experience in microbiological techniques (fungal and bacterial cultures, isolation of fungi and bacteria from soil and plant tissues, inoculum production, artificial infections, etc.) and biochemical techniques.
- Excellent knowledge of Excel, Outlook, PowerPoint, Word, and Windows, and good knowledge of RStudio, GraphPad Prism, Geneious Prime, and SPSS.

Teaching experience

1. 02/06/2021 – 30/09/2021: Support of the educational activities of Aristotle University of Thessaloniki during the academic year 2020-2021, with the integration of supplemental teaching in addition to the main lectures. Specific duties: Conducting auxiliary teaching for a partial scholarship totaling 160 hours during the spring semester of the academic year 2020-2021 in the field of Plant Pathology. Specifically:
 - a) conducting clinical and laboratory exercises, and b) in-person or remote supplemental teaching of the following courses: N506Y Special Plant Pathology,

N556E Principles and Methods of Plant Disease Diagnosis, N558E Plant Disease Management, at the Department of Agriculture.

2. 06/05/2022 – 30/09/2022: Support of the educational activities of Aristotle University of Thessaloniki during the academic year 2021-2022, with the integration of supplemental teaching in addition to the main lectures. Specific duties: Conducting auxiliary teaching for a partial scholarship totaling 80 hours during the spring semester of the academic year 2021-2022 in the field of Plant Pathology. Specifically: a) conducting clinical and laboratory exercises, and b) providing supplemental teaching in addition to the main lectures of the undergraduate courses: N506Y Special Plant Pathology, N556E Principles and Methods of Plant Disease Diagnosis, N558E Plant Disease Management, at the Department of Agriculture.
3. 27/04/2023 – 09/07/2023: Adjunct Lecturer at the Department of Agriculture, Forestry, and Natural Environment of Aristotle University of Thessaloniki. Specific duties: Covering the teaching needs of the courses Diseases of Tree Crops and Grapevines (N586Y), Principles, Methods of Diagnosis, and Management of Plant Diseases (N572E), and General Virology (N582E) in the Undergraduate Program, including: a) conducting laboratory sessions and practical exercises, and b) supervising student projects or theses.
4. 25/10/2023 – 07/02/2024: Independent teaching at the Department of Agriculture of the University of Western Macedonia. Specific duties: Covering the teaching needs of the courses Diseases of Major Crop Plants and Plant Pathology in the Undergraduate Program, including: a) conducting theoretical lectures, laboratory sessions, and practical exercises, and b) supervising student projects or theses.
5. 12/04/2024-28/06/2024: Acquisition of Academic Teaching Experience for New PhD Holders at Aristotle University of Thessaloniki for the spring semester of 2024. Specific duties: Covering the teaching needs of the course Principles, Methods of Diagnosis, and Management of Plant Diseases (N572E) in the Undergraduate Program, including conducting theoretical lectures, laboratory sessions, and practical exercises.
6. 01/10/2024 – 10/02/2025: Independent teaching at the Department of Agriculture of the University of Western Macedonia. Specific duties: Covering the teaching needs of the Diseases of Major Crop Plants, Organic and Integrated Farming and Plant Pathology in the Undergraduate Program, including: a) conducting theoretical lectures, laboratory sessions, and practical exercises, and b) supervising student projects or theses.

Scholarships – Distinctions

1. Scholarship recipient of the State Scholarships Foundation (IKY), Action: "Enhancement of human resources through the implementation of doctoral research – Sub-action 2: IKY scholarship program for PhD candidates at Greek universities" (OPS 5113934).
2. Research scholarship (as a PhD candidate) - Seed project, Operational Program "Competitiveness, Entrepreneurship, and Innovation 2014-2020", Action: OMIC-Engine: Synthetic Biology: From Omics Technologies to Genomic Engineering (MIS 5002636).
3. 1st Prize for Best Oral and Poster Presentation, 20th Phytopathological Conference, October 3-6, 2022, Thessaloniki, Greece
4. 1st place successful candidate in the entrance exams for the postgraduate program of the School of Agriculture (AUTH). (1st out of 2 successful candidates and 1st out of 14 applicants).
5. 2nd in the ranking at the graduation ceremony of the 2014 class, Department of Plant Protection.
6. 1st in the ranking of graduates from the Department of Plant Protection (2009-2014).

Reviewer activity in international scientific journals

1. Frontiers in Plant Sciences
2. European Journal of Plant Pathology
3. Plant Pathology
4. Phytopathologia Mediterranea
5. Pest Management Science
6. Scientia Horticulture
7. Journal of Plant Diseases and Protection
8. BMC Environmental Microbiome
9. BMC Microbiome
10. Journal of Fungi, MDPI
11. Plants, MDPI

Memberships in scientific societies and chambers

1. Member of the Greek Chamber of Agronomists.
2. Member of the Hellenic Phytopathological Society.

Scientific conferences organization

Member of the Organizing Committee of the International Symposium on Plant Pathogenic Sclerotiniaceae, BotryScleroMoni 2025 (a joint symposium of the XIX International Botrytis Symposium, XVII International Sclerotinia Workshop, and the II International Monilinia Workshop). May 25-30, 2025, Thessaloniki, Greece.

Seminars-Training

1. Certificate of Accomplishment in Leadership Workshop: Completed a comprehensive leadership workshop with a focus on team management, effective communication, and strategic planning. COST Academy, September 2023, Brussels.

C. SUMMARY OF SCIENTIFIC PUBLICATIONS

0.0 Master of Science Thesis

00. **Testempasis, S. G., I.** 2017. Investigation of the effect of ozone gas and 1-MCP on the development of blue mold (*Penicillium expansum*) and the production of patulin in apple fruits (cv. Granny Smith). (<https://ikee.lib.auth.gr/record/288144/?ln=en>)

0.1 Doctoral Thesis

01. **Testempasis S G, I.** 2023. “Black Aspergilli on grapes: Influence of agronomic practices on carposphere microbiome, mycotoxin contamination risk, and fungicide resistance”. PhD Dissertation, Department of Agriculture, Aristotle University of Thessaloniki, Thessaloniki, 173 pages. (<http://hdl.handle.net/10442/hedi/53365>)

1.0 Publications in International Peer-reviewed Journals

- 1.01. Myresiotis, C., **Testempasis, S.**, Vryzas, Z., Karaoglanidis G.S., and Papadopoulou Mourkidou E. **2015**. Determination of mycotoxins in pomegranate fruits and juices using a QuEChERS-based method. **Food Chemistry** 182: 81-88. (IF₂₀₁₅: 4.0, Scopus Citations: 77)
- 1.02. Papavasileiou, A., **Testempasis, S.**, Michailides, T.J., and Karaoglanidis, G.S. **2015**. Frequency of brown rot fungi on blossoms and fruit in stone fruit orchards in Greece. **Plant Pathology** 64: 416-424. (IF₂₀₁₅: 2.38, Scopus Citations: 33)
- 1.03. Kanetis. L, **Testempasis. S**, Goulas. V, Samuel. S, Myresiotis. C, Karaoglanidis. GS. **2015**. Identification and mycotoxicogenic capacity of fungi associated with pre- and postharvest fruit rots

of pomegranates in Greece and Cyprus. **International Journal of Food Microbiology** 208: 84-92. (IF₂₀₁₅: 3.45, Scopus Citations: 23)

1.04. **Testempasis, S.**, Puckett, RD, Michailides, TJ, Karaoglanidis, GS. **2020**. Genetic structure and fungicide resistance profile of *Botrytis spp.* populations causing postharvest gray mold of pomegranate fruit in Greece and California. **Postharvest Biology and Technology** 170: 111319. (IF₂₀₂₀: 5.71, Scopus Citations: 9)

1.05. **Testempasis, S.**, Tanou, G., Minas, I., Samiotaki, M., Molassiotis, A., Karaoglanidis, GS. **2021**. Unraveling Interactions of the Necrotrophic Fungal Species *Botrytis cinerea* With 1-Methylcyclopropene or Ozone-Treated Apple Fruit Using Proteomic Analysis. **Frontiers in Plant Science** 12: 338. (IF₂₀₂₁: 6.627, Scopus Citations: 12)

1.06. 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. **Environmental microbiome**, 16(1), 1-17. (IF₂₀₂₁: 6.36, Scopus Citations: 32)

1.07. Papazlatani, C. V., Kolovou, M., Gkounou, E. E., Azis, K., Mavriou, Z., **Testempasis, S.**, ... & Karpouzas, D. G. **2022**. Isolation, characterization and industrial application of a *Cladosporium herbarum* fungal strain able to degrade the fungicide imazalil. **Environmental Pollution**, 119030. (IF₂₀₂₂: 9.98, Scopus Citations: 3)

1.08. **Testempasis, S.**, Kamou, N. N., Papadakis, E. N., Menkissoglu-Spiroudi, U., & Karaoglanidis, G. S. **2022**. Conventional vs. organic vineyards: Black Aspergilli population structure, mycotoxicogenic capacity and mycotoxin contamination assessment in wines, using a new Q-TOF MS-MS detection method. **Food Control**, 136, 108860. (IF₂₀₂₂: 6.652, Scopus Citations: 7)

1.09. Kamou, N. N., **Testempasis, S.**, & Lagopodi, A. L. **2023**. Species of the Genera *Neopestalotiopsis* and *Alternaria* as Dominant Pathogen Species Attacking Mastic Trees (*Pistacia lentiscus* var. Chia). **Microbiology Research**, 14(1), 104-115. (IF₂₀₂₃: -, Scopus Citations: 0)

1.10. **Testempasis, S.** & Karaoglanidis, G. S. **2023**. Resistance of Black Aspergilli Species from Grape Vineyards to SDHI, QoI, DMI, and Phenylpyrrole Fungicides. **Journal of Fungi**, 9(2), 221. (IF₂₀₂₃: 4.7, Scopus Citations: 1)

1.11. **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.*). **Frontiers in Microbiology**, 14, 1257644. (IF₂₀₂₃: 5.2, Scopus Citations: 0)

1.12. **Testempasis, S.** I., Markakis, E. A., Tavlaki, G. I., Soultatos, S. K., Tsoukas, C., Gkizi, D., ... & Karaoglanidis, G. S. (2023). Grapevine Trunk Diseases in Greece: Disease Incidence and Fungi Involved in Discrete Geographical Zones and Varieties. **Journal of Fungi**, 10(1), 2. (IF₂₀₂₃: 4.7, Scopus Citations: 0)

1.13. Dardani, V., Guarnaccia, L., Nari, **S.I. Testempasis**, G.S. Karaoglanidis, M.L. Gullino (2023) 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 62(3): 455-465. (IF₂₀₂₄: 2.4, Scopus Citations: 0)

- 1.14. Papazoglou, P., Navrozhidis, I., Lagopodi, A., **Testempasis, S.I.**, Pantazi, X.E., Alexandridis, T. (2025). Early detection of bacterial canker in tomato plants using spectroscopy for smart agriculture applications. **Biosystems Engineering 251: 1-10.** (IF₂₀₂₄: 4.4, Scopus Citations: 0)
- 1.15. Jigisha, J., Ly, J., Minadakis, N., Freund, F., Kunz, L., Piechota, U., ... **Testempasis, S** & Menardo, F. (2025). Population genomics and molecular epidemiology of wheat powdery mildew in Europe. **PLoS Biology, 23(5)**, e3003097. (IF₂₀₂₅: 7.8, Scopus Citations: 1)

2. Presentations at International Conferences

- 2.01. Myresiotis, C., **Testempasis, S.**, Karaoglanidis, G.S., and Papadopoulou-Mourkidou, E. 2014. A new method for determination of *Alternaria* mycotoxins alternariol, alternariolmonomethyl 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.
- 2.02. **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
- 2.03. **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.
- 2.04. Kanetis, L., **Testempasis, S.**, Goulas, V., Samuel, S., Myresiotis, C., Karaoglanidis, G.S. Identification and mycotoxicogenic capacity of fungi associated with pre and postharvest fruit rots of pomegranates. III International Symposium on Postharvest Pathology: Using Science to Increase Food Availability, 7-11 June 2015, Bari, Italy
- 2.05. **Testempasis, S.**, Myresiotis, C., Tanou, G., Molassiotis, A., Karaoglanidis, G. 2016. 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). 5th MYTOX International Symposium: Mycotoxins and toxigenic moulds: challenges and perspectives, 1 May 2016, Ghent, Belgium
- 2.06. **Testempasis, S.**, Puckett, R.D., Michailides, T.J., Karaoglanidis, G.S. 2016. Population structure and fungicide resistance profile of *Botrytis spp.* associated with stem end rot of pomegranate fruit in California and Greece. XVII International Botrytis Symposium, 23-28 October 2016, Santa Cruz, Chile.

2.07. **Testempasis, S.**, Karagiannis, E., Tanou, G., Minas, I., Molassiotis A., and G. S. Karaoglanidis. 2016. “Exploring the effects of gaseous ozone and 1-methylcyclopropene treatments on Gray mold of apple fruit at proteomic level. XVII International Botrytis Symposium, 23-28 October 2016, Santa Cruz, Chile.

2.08. **Testempasis, S.**, Tanou, G., Molassiotis A., and G. S. Karaoglanidis. 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. V International Symposium of Postharvest Pathology, 19-24 May 2019, Liege, Belgium.

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

2.10. **Testempasis, S.**, Kamou, N., Menkissoglu-Spiroudi, O., Karaoglanidis, G.S. “Black Aspergilli” in vineyards of conventional and organic farming: Investigating the population structure and mycotoxicogenic capacity of *Aspergillus* species section *Nigri*. The 1st International Electronic Conference on Plant Science, 1-15 December 2020 (online).

2.11. **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).

2.12. **Testempasis, S.**, Papazlatani, C.V., Theocharis, S., Koundouras, S., Karas, P.A., Karpouzas, D.G., Karaoglanidis, G.S. 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.

2.13. **Testempasis, S.**, Kamou, N., Menkissoglu-Spiroudi, O., Karaoglanidis, G.S. Unravelling the impact conventional and organic farming on Black Aspergilli population structure, mycotoxicogenic 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.

2.14. Papazlatani, C. V., Kolovou, M., Gkounou, E. E., Azis, K., Mavriou, Z., **Testempasis, S.**, ... & Karpouzas, D. G. 2022. 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.

2.15. 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.

2.16. **Testempasis, S.**, Stravidou, E., Madesis, P., Karaoglanidis, G. S. “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.

2.17. **Testempasis, S.**, Ntasiou, P., Tsouvalas, T., Mpila, E., Karaoglanidis, G. S. "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.

2.18. **Testempasis, S.**, Tsintila, V. and Karaoglanidis, G. S. "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.

2.19. **Testempasis, S.**, Kamou, N., Menkissoglu-Spiroudi, O., Karaoglanidis, G.S. "Unravelling the impact of conventional and organic farming system on Black Aspergilli population structure, mycotoxicogenic 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.

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

2.21. **Testempasis, S.**, Papazlatani, C.V., Theocharis, S., Koundouras, S., Karas, P.A., Karpouzas, D.G., Karaoglanidis, G.S. 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.

2.22. **Testempasis, S.**, Stravridou, E., Madesis, P., Karaoglanidis, G. S. "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.

2.23. Karaoglanidis, G. S., **Testempasis, S.**, Ntasiou, P., Tsouvalas, T., Mpila, E., "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.

2.24. **Testempasis, S.**, Papazlatani, C.V., Theocharis, S., Koundouras, S., Karas, P.A., Karpouzas, D.G., Karaoglanidis, G.S. 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.

2.25. **Testempasis, S.**, Stravridou, E., Madesis, P., Karaoglanidis, G. S. "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.

2.26. **Testempasis, S.** and Karaoglanidis, G. S. "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.

2.27. **Testempasis, S.**, Christou, N., Bakasietas, K., Karatsalou-Legaki, S., Karaoglanidis, G.S. "Ozonated Water: A novel strategy for controlling grapevine trunk pathogens during grapevines propagation". XX International Plant Protection Congress, 1-5th of July, Athens, Greece. **(Accepted)**

2.28. **Testempasis, S.**, Papazlatani, C.V., Theocharis, S., Koundouras, S., Karas, P.A., Karpouzas, D.G., Karaoglanidis, G.S. "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. **(Accepted)**

2.29. **Testempasis, S.**, Kamou, N., Papadakis, E., Menkissoglu-Spiroudi, O., Karaoglanidis, G.S. "Conventional vs. Organic farming system: Black Aspergilli population structure, mycotoxicogenic capacity and mycotoxin contamination assessment in Greek wines". XX International Plant Protection Congress, 1-5th of July, Athens, Greece. **(Accepted)**

2.30. Petmezas, A., **Testempasis, S.**, and Karaoglanidis, G.S. "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.

2.31. **Testempasis, S.**, Papazlatani, C.V., Theocharis, S., Koundouras, S., Karas, P.A., Karpouzas, D.G., Karaoglanidis, G.S. "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.

2.32. **Testempasis, S.**, Petmezas, A., and Karaoglanidis, G.S. "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.

2.33. Karaoglanidis, G. S. and **Testempasis, S.** "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 disease, 11-15 of November, Rotorua, New Zealand.

2.34. Morellos, A., Tsitsopoulos, C., Testempasis, S., Karaoglanidis, G., Dordas, C., Pantazi, X. E. "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

2.35. Testempasis, S., Karaoglanidis, S. G. "Tracking brown rot in peach orchards: linking inoculum dynamics to climatic data for improved disease management". International Symposium on Plant Pathogenic Sclerotiniaceae, BotryScleroMoni, 25-30 May 2025, Thessaloniki, Greece

2.36. Petmezas, A., Sofianos, G., Testempasis, S., Karaoglanidis, S. G. "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

2.37. 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

2.38. Stefanidou, E., Testempasis, S., Karamichali, I., Katsenios, N., Chatzitipi, D., Pavlou, A., Efthimiadou, A., Karaoglanidis, S. G., Madesis, P. "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

Presentations at National Conferences

2.39. Papavasileiou, A., Volakaki, M., **Testempasis, S.**, Karaoglanidis, G. Interspecific variation and infectivity of *Monillinia* spp. strains in stone fruits. 16th Pan-Hellenic Phytopathological Congress, 16-18 October 2012, Thessaloniki, Greece.

2.40. Papavasileiou, A., Lou, Y., **Testempasis, S.**, Michailides, T.J., Karaoglanidis, G. Etiology of Brown rot and analysis of the genetic variability of *Monillinia* spp. strains from stone fruit orchards. 26th Conference of the Hellenic Society for Horticultural Science, 15-18 October 2013, Kalamata, Greece.

2.41. Kanetis L., **Testempasis, S.**, Goulas V., Samuel S., Myresiotis C., G.S. Karaoglanidis. Identification and mycotoxicogenic potential of fungi causing pre-harvest and post-harvest fruit rots. 17th Hellenic Phytopathological Congress, 13-17 October 2014, Volos, Greece

2.42. Myresiotis, C., **Testempasis, S.**, Karaoglanidis, G., Mourkidou, E., Development of a new analytical method for the determination of mycotoxins from the genus *Alternaria* in pomegranate fruits and juices. 17th Hellenic Phytopathological Congress, 13-17 October 2014, Volos, Greece.

2.43. Papavasileiou, A., Michailides, T.J., **Testempasis, S.**. Analysis of genetic variability of *Monillinia* spp. strains from stone fruit orchards using microsatellites. 17th Hellenic Phytopathological Congress, 13-17 October 2014, Volos, Greece.

2.44. **Testempasis, S.**, Karagiannis, E., Tanou, G., Minas, I., Karaoglanidis, G. Investigation of the effect of ozone gas and 1-methylcyclopropene on the development of Gray mold in apple fruits (cultivars Granny Smith and Red Chief). 27th Conference of the Hellenic Society for Horticultural Science, 28-29 September 2015, Volos, Greece

2.45. **Testempasis S.**, Puckett, R.D., Drogoudi, P., Michailides, T.J., Karaoglanidis, G. Comparative population structure and fungicide resistance profiles of *Botrytis* spp. strains associated with Gray mold of pomegranate fruits in Greece and California. 27th Conference of the Hellenic Society for Horticultural Science, 28-29 September 2015, Volos, Greece.

2.46. Papavasileiou, A., **Testempasis, S.**, Karaoglanidis, G. Epidemiological study of *Monilinia fructicola* and *Monilinia laxa* in peach orchards (*Prunus persica* L. Batsch). 27th Conference of the Hellenic Society for Horticultural Science, 28-29 September 2015, Volos, Greece.

2.47. **Testempasis, S.**, Myresiotis, C., Tanou, G., Minas, I., Molassiotis, A., Karaoglanidis, S.G. Investigation of the effect of ozone gas and 1-MCP (1-methylcyclopropene) on the development of *Penicillium expansum* and patulin production in apple fruits (cv. Granny Smith). 27th Conference of the Hellenic Society for Horticultural Science, 28-29 September 2015, Volos, Greece.

2.48. Karagiannis, E., Michailidis, M., Xenofontos, R., **Testempasis, S.**, Diamantidis, G., Nanos, G., Vasilakakis, M., Molassiotis, A. The effect of ozone and 1-methylcyclopropene on the postharvest behavior of apple fruits (*Malus domestica* Borkh). 27th Conference of the Hellenic Society for Horticultural Science, 28-29 September 2015, Volos, Greece.

2.49. **Testempasis, S.**, Karagiannis, E., Tanou, G., Minas, I., Karaoglanidis, G. Proteomic analysis of the effect of ozone (O₃) and 1-methylcyclopropene (1-MCP) treatments on apple fruits infected by *Botrytis cinerea*. 18th Pan-Hellenic Phytopathological Conference, October 18-21, 2016, Heraklion, Greece.

2.50. **Testempasis, S.**, Puckett R.D., Drogoudi, P.D., Michailides T.J., Karaoglanidis, G. Comparative population structure and fungicide resistance profiles of *Botrytis* spp. strains associated with the gray mold of pomegranate fruits in Greece and California. 18th Pan-Hellenic Phytopathological Conference, October 18-21, 2016, Heraklion, Greece.

2.51. **Testempasis, S.**, Myresiotis, C., Tanou, G., Molassiotis, A., G. Karaoglanidis. Investigation of the effect of ozone gas (O₃) and 1-methylcyclopropene (1-MCP) on the development of *Penicillium expansum* and patulin production in apple fruits (cv. Granny Smith). 18th Pan-Hellenic Phytopathological Conference, October 18-21, 2016, Heraklion, Greece.

2.52. **Testempasis, S.**, Tanou, G., Samaras, A., Myresiotis, C., Molassiotis, A., G. Karaoglanidis. Investigation of the effect of ozone gas (O₃) and 1-methylcyclopropene (1-MCP) on the development of *Penicillium expansum* and patulin production in apple fruits using 'omic' technologies. 28th Conference of the Hellenic Society for Horticultural Science, October 16-20, 2017, Thessaloniki, Greece.

2.53. **Testempasis, S.**, Tanou, G., Samaras, A., Myresiotis, C., Molassiotis, A., G. Karaoglanidis. Investigation of the effect of ozone gas (O₃) and 1-methylcyclopropene (1-MCP) on the growth of *Penicillium expansum* and patulin production in apple fruits using 'omic' technologies. 19th Hellenic Phytopathological Society Conference, October 30 - November 1, 2018, Athens, Greece.

2.54. Ntasiou P., **Testempasis S.**, Vellis E., Giannopoulos A., Karaoglanidis G. Management of *B. cinerea* resistance to SDHIs using copper nanoparticles. 20th Hellenic Phytopathological Society Conference, October 3-6, 2022, Thessaloniki, Greece.

2.55. **Testempasis S.**, Tsintila V., Karaoglanidis G. Investigation of the sensitivity levels of *Monilinia fructicola* strains to SDHI and DMI fungicides from peach orchards in Northern Greece. 20th Hellenic Phytopathological Society Conference, October 3-6, 2022, Thessaloniki, Greece.

2.56. **Testempasis S.**, Ntasiou P., Karaoglanidis G. Brown rot: Development of a methodology for monitoring the variation of the disease pathogen in relation to field climate data for early disease

forecasting in peach orchards. 20th Hellenic Phytopathological Society Conference, October 3-6, 2022, Thessaloniki, Greece.

2.57. **Testempasis S.**, Papazlatani C., Theocharis S., Koundouras S., Karas P., Karpouzas D., Karaoglanidis, G. Effect of agricultural practices on the composition of the grape berry microbiome and the frequency of infection by *Aspergillus* species of the *Nigri* group. 20th Hellenic Phytopathological Society Conference, October 3-6, 2022, Thessaloniki, Greece.

2.58. Kamou N.N., **Testempasis S.G.**, Lagopodi A.L. «Species of the genera *Neopestalotiopsis* and *Alternaria* as dominant pathogens affecting mastic trees (*Pistacia lentiscus* var. *Chia*).» 20th Hellenic Phytopathological Society Conference, October 3-6, 2022, Thessaloniki, Greece.

2.59. **Testempasis, S**, Ntasiou P., Bila E., Markakis E., Karaoglanidis G.S. Evaluation of the vulnerability of the main Greek wine grape varieties to grapevine wood pathogens. 20th Hellenic Phytopathological Society Conference, October 3-6, 2022, Thessaloniki, Greece.

2.60. **Testempasis S.**, Kamou N., Papadakis E., Menkisoglou-Spyroudi U., Karaoglanidis G.S. Organic vs conventional vineyards: Effect on the population structure and mycotoxic potential of Black *Aspergillus* species and assessment of mycotoxin presence in Greek wines, using a new Q-TOF MS-MS detection methodology." 20th Hellenic Phytopathological Society Conference, October 3-6, 2022, Thessaloniki, Greece.

2.61. **Testempasis S.**, Markakis E., Tsoukas C., Gkizi D., Samaras A., Tzima A., Karaoglanidis G., Paplomatas E.I. «Grape vine wood diseases: Frequency of infection and investigation of the etiology of diseases in the main wine-producing regions of Greece." 20th Hellenic Phytopathological Society Conference, October 3-6, 2022, Thessaloniki, Greece.

2.62. **Testempasis S.**, Markakis E., Tsoukas C., Gkizi D., Samaras A., Tzima A., Karaoglanidis G., Paplomatas E.I. «Intensity and spread of grapevine wood diseases in Greece: Disease parameters and fungi involved in distinct viticultural zones." 31st Conference of the Hellenic Society for Horticultural Science, October 29 - November 2, 2023, Heraklion, Crete, Greece.

2.63. **Testempasis S.** and Karaoglanidis G.S. "Investigation of the sensitivity levels of black aspergilli isolates to SDHI and QoI fungicides from vineyards under conventional and organic cultivation." 21st Panhellenic Phytopathological Conference, November 4-7, 2024, Thessaloniki, Paphos, Cyprus.

2.64. Petmezas A., Sofianos G., **Testempasis S.**, Karypidis A., Apostolidis K., and Karaoglanidis G.S. "Resistance of *Monilinia fructicola* to fungicides and resistance mechanisms." 21st Panhellenic Phytopathological Conference, November 4-7, 2024, Thessaloniki, Paphos, Cyprus.

2.65. **Testempasis S.I.**, Markakis E.A., Tavlaki G.I., Soultatos S., Tsoukas C., Samaras A., Gkizi D., Tzima A., Paplomatas E.I., and Karaoglanidis G.S. "Intensity and spread of grapevine trunk diseases in Greece: Disease parameters and fungi involved in distinct viticultural zones." 21st Panhellenic Phytopathological Conference, November 4-7, 2024, Thessaloniki, Paphos, Cyprus.

- 2.66. Petmezas A., **Testempasis S.**, and Karaoglanidis G.S. “Application of electrolyzed water for managing brown rot (*Monilinia spp.*) in peaches.” 21st Panhellenic Phytopathological Conference, November 4-7, 2024, Thessaloniki, Paphos, Cyprus.
- 2.67. **Testempasis S.**, Dalakouras A., and Karaoglanidis G.S. “Control of *Penicillium digitatum* in citrus fruits using SIGS technology biopesticides.” 21st Panhellenic Phytopathological Conference, November 4-7, 2024, Thessaloniki, Paphos, Cyprus.

D. RECOGNITION OF SCIENTIFIC WORK

Total citations of the scientific work

There are at least 229, 218, and 304 citations in the scientific work according to the Scopus, Web of Science, and Google Scholar databases, respectively. (Date of records: 17/02/2025)

***h-index* Scopus:** 7

***h-index* Web of Science:** 7

***h-index* Google Scholar:** 8

Total Impact Factor: 68.059