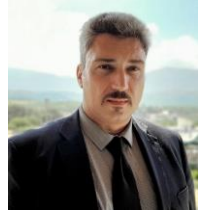


Personal data

Family name: Sarris
First name: Panagiotis
Date of birth: September 24, 1974
Family status: Married, 2 children
Nationality: Greek

2nd Work Address:
Institute of Molecular Biology and Biotechnology (IMBB)
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Academic Positions

- Feb 2024 – present **Associate Professor** in “Microbiology & Host – Microbe Interactions”:
Department of Biology, University of Crete, GR.
Head of the Microbiology & Plant Biotechnology Group.
Web page: <https://www.biology.uoc.gr/el/personnel/7714>
- Jun 2019 – Jan 2024 **Assistant Professor** in “Microbiology”:
Department of Biology, University of Crete, GR.
Head of the Microbiology & Plant Biotechnology Group.
Web page: <https://www.biology.uoc.gr/el/personnel/7714>
- Oct 2017 - present: **Group Leader:** Head of the “Microbiology & Molecular Host-Microbe Interactions” Group:
Institute of Molecular Biology and Biotechnology (IMBB) Foundation of Research and Technology-
Hellas (FORTH), GR.
Web page: <https://www.imbb.forth.gr/imbb-people/el/sarris-home>
- Dec 2015 - present: **Honorary Professor:** in “Microbiology and Plant Immunity”.
School of Biosciences, University of Exeter, UK.
Web page:
http://biosciences.exeter.ac.uk/staff/index.php?web_id=Panagiotis_Sarris&ab=research

Education/Qualifications

- Nov 2004-Oct 2009: **Ph.D.:** University of Crete, Dept. of Biology. Supervisor: Prof. Nikos Panopoulos.
- Oct 2002-Sept 2004: **M.Sc.:** In “Plant Biotechnology” at University of Crete, Dept. of Biology (in collaboration with Imperial college, University of London).
- Sept 1999-Nov 2000: **M.Sc.:** In “Clinical Chemistry & Microbiology” at University of “St. Kliment Ohridski”, Dept. of Biology & Bulgarian Academy of Sciences, Dept. of Molecular Biology and Dept. of Human Physiology.
- Sept 1994-Jun 1999: **Diploma:** In “Molecular Biology - Biomedicine” at University of “St. Kliment Ohridski”, Faculty of Sciences, Dept. of Biology, Sofia, Bulgaria.

Post-Doctoral Experience

- June 2014-Nov 2015: **Senior Research Associate:** (BBSRC grant holder), University of East Anglia (The Sainsbury Laboratory), Norwich, UK.

- June 2012-May 2014: Postdoctoral Research Associate (FP7-PEOPLE-20011-IEF fellowship holder): University of East Anglia (The Sainsbury Laboratory), Norwich, UK. *Research Advisor: Prof. Jonathan Jones.*
- Oct 2009-Jun 2011: Postdoctoral Research Associate: University of Crete, School of Medicine, Laboratory of Bacteriology, Parasitology, Zoonoses and Geographic Medicine.
- Jun 2009-Oct 2009: Postdoctoral Research Associate: University of Crete, Department of Biology, Laboratory of Molecular Microbiology and Plant Biotechnology.

Teaching / Mentoring

University of Crete:

- **Mentoring:** 4 Post-Doctoral researchers; 18 BSc theses, 8 MSc theses, 6 Doctoral theses (2 finished, 4 on going) at UoC and IMBB – FORTH. **Sept. 2018 - present**

- **Teaching:**

a) Teaching at the Post-Graduate Programs:

1) "Molecular Biology and Biomedicine";

2) "Plant Molecular Biology and Biotechnology"

Nov 2017-present

Oct 2017-present

b) Head of the undergraduate course in "Microbiology", Department of Biology, University of Crete

Sept2019-present

University of Exeter, Department of Biosciences:

Teaching "**Plants and People**" (BIO 2095).

Dec 2015-Sept 2017

I was the supervisor of BSc and MSc students

Jun 2016-Dec 2017

I was a member of PhD committees

May 2016- Dec 2017

University of East Anglia (The Sainsbury Laboratory):

I was the mentor of two PhD students (Miss Yan Ma and Mr Zane Duxbury)

Jun 2012-Dec 2015

I was a member of PhD committees

Sept 2012-Oct 2015

Technical Educational Institute of Crete (T.E.I.):

a) Dept. of Nutrition and Dietetics:

- Teaching Biology (*Cellular Biology and Mendelian Genetics*)

Oct 2004–Jun 2005

b) School of Agricultural Technology, Dept. of Crop Science:

- Teaching laboratorial courses of "Genetics and Plants breeding"
- Teaching laboratorial courses of "Molecular Genetics"
- Teaching laboratorial courses of "Agricultural Biotechnology"

Oct 2004-Jun 2005

Oct 2005-Jun 2012

Oct 2009-Jun 2011

In the School of Agricultural Technology, department of Crop Science, Technological Educational Institute of Crete I also supervised Six (6) B.Sc. dissertations.

Funding, Fellowships

Project Title	Funding source	Amount	Period	Role of the PI
"Innovative Region of Crete, CRINNO - UNISTEP"	Prefecture of Crete	15.000€	Oct. 2003-Dec. 2004	Principal Investigator co-Coordinator
Proposal No: 299621 https://cordis.europa.eu/project/rcn/103444_fr.html	FP7-PEOPLE-2011-IEF	278.807,40€	May.2012-May.2014	Principal Investigator Coordinator
BB/M008193/1	BBSRC	£329,737	Nov.2014- Nov.2017	co-Investigator/ co-Supervisor
CLES Strategic Development Fund	University of Exeter	£12,000	Dec.2016-Jul.2017	Principal Investigator Coordinator
COST action : EuroXanth (CA16107)	COST EU	€416,000	Oct.2016- Oct. 2020	Member of UK Management Committee
Brassica genomics	GATSBY Foundation	£20.000	Mar.2017- Mar. 2018	Principal Investigator Coordinator
INNOVA-PROTECT	GSRT,GR (T1EΔK-01878)	999.342,50 € (SarrisLab 140.000,00 €)	Jun 2018 – Jun 2021	co-Investigator/ co-Coordinator
Emblematic Action for Research in the Agri-Food: "The Olive's Ways"	2018ΣE01300000	4 mil euro (Sarris Lab 100.000,00 €)	Oct 2018-Oct 2020	Principal Investigator co-Coordinator

<i>Emblematic Action for Research in the Agri-Food Sector of Crete.</i>	Ω0894653ΠΣ-KM5	850.000,00 € (SarrisLab 60.000,00 €)	Feb 2019-Feb 2021	<i>Principal Investigator co-Coordinator</i>
<i>Emblematic Action for Research in the Agri-Food: "The Grapevine Ways".</i>	2018ΣΕ01300000	2,5 mil euro (Sarris Lab 45.000,00 €)	Mar 2019 – Mar 2021	<i>Principal Investigator co-Coordinator</i>
<i>Β' κύκλος δράσης ΕΡΕΥΝΩ – ΔΗΜΙΟΥΡΓΩ – ΚΑΙΝΟΤΟΜΩ – Παρέμβαση II.</i>	T2ΕΔΚ-01859 No: 5073622	905.196,92 € (395.720,00 € for the Sarris Lab)	Nov2020 - 2023	<i>Coordinator</i>
<i>Emblematic Action "Innovative plant protection and environment".</i>	TAEDR-0535675	4.915.000,00 € (130.000,00€ for the Sarris Lab)	Jul2023 - 2025	<i>Principal Investigator</i>
<i>"Sustainable solutions to address the effects of Climate Change in inducing crop resistance to biotic and abiotic stresses". Greek Ministry of Enviroment.</i>	1721/23-03-2023	190.436,99 € 74	Jul2023 - 2025	<i>Coordinator</i>

Scientific Advisor and Evaluator of Grant Proposals

- I have served as evaluator of European and UK grant proposals:
 - *FP7-IEF,*
 - *BBSRC,*
 - *GATSBY Foundation,*
 - *Leverhulme Trust Foundation,*
 - *ERC ADG 2021.*
- I have served as a **Scientific Advisor of the Greek government** (Ministry of Research & Innovation) on Agri-food research strategy (2017-2018).
- Member of the **Sectoral Scientific Council (SSC)** in "Agricultural Production, Nutrition, Food, Agro-Biotechnology and Aquaculture" of the National Council for Research and Innovation in Greece (from Apr 2018; FEK 200/10.04).

Fields of Interest

- Molecular Host-Microbe Interactions
- Microbial Genomics/Proteomics
- Plant Immunity mechanisms; Plant Disease Resistance Genes
- Molecular biology and Biotechnology of Disease Resistance in Plants
- Microbial Comparative Genomics and Phylogeny - Microbiomes

International Scientific Journal Reviewer & Editorial Board Member

- > I have been invited and served as a reviewer for the following journals:
- **Molecular Plant-Microbe Interactions (MPMI)** (ISSN 0894-0282, APS Journals)
 - **Briefings in Functional Genomics** (ISSN 2041-2647, Oxford Journals)
 - **Nature scientific reports** (ISSN 2045-2322, Nature Publishing Group)
 - **PLoS Pathogens** (ISSN 1553-7374, Public Library of Science)
 - **New Phytologist** (ISSN 1469-8137, Wiley Online Library)
 - **GENES** (ISSN 2073-4425, MDPI - Open Access Publishing)
 - **Pathogens** (ISSN 2076-0817, MDPI - Open Access Publishing)
 - **PLoS ONE** (ISSN 1932-6203, Public Library of Science)
 - **European Journal of Plant Pathology** (ISSN 1573-8469, Springer Academic Journals)
 - **General Journal of Plant Pathology** (ISSN 1610-739X, Springer Academic Journals)
 - **Plant Disease** (ISSN 0191-2917, APS journals)
 - **African Journal of Agricultural Research** (ISSN 1991-637X, Academic Journals, Open access journal)
 - **Journal of Medicinal Plants Research** (ISSN 1996-0875, Academic Journals, Open Access Journals)
 - **African Journal of Microbiology Research** (ISSN 1996-0808, Academic Journals, Open access journal)
 - **International Journal of Molecular Sciences** (ISSN 1422-0067, MDPI - Open Access Publishing).

> Member of Editorial board:

- Invited Associate Editor in **Molecular Plant-Microbe Interactions (MPMI) Journal**

- Invited Editor in Aperi Journal of **Advanced Plant Biology Journal**.
- Invited Review Editor in **Frontiers in Microbiology Journal**.

Scientific Societies Membership

- Invited Review Editor in Frontiers in Plant Biology Journal.
- Member of the Hellenic Union of Bio-Scientists (*HUB*)
- Member of the Greek Phytopathological Association (*GPA*)
- Member of the Hellenic National Initiative *MikroBioKosmos*
- Member of the Hellenic Society for Biochemistry and Molecular Biology (*HSBMB*)
- Member of the European Plant Science Organisation (*EPSO*)
- Member of the Federation of European Societies of Plant Biology (*FESPB*).

Scientific Publications

International Peer-Reviewed Journals (*Cumulative Impact Factor: 406.730; Average Impact Factor F: 8.473*)

† These papers have been highlighted as: “*The next big bang: Research front in Plant immunity and signaling to defend against pathogens*”, by the World University Ranking Organisation.
(<https://www.timeshighereducation.com/next-big-bang-environment-and-ecology-papers>)

2009

1. Sarris PF, Abdelhalim M, Kitner M, Skandalis N, Panopoulos NJ, Doulis AG and Lebeda A. (2009). Molecular polymorphism between populations of *Pseudoperonospora cubensis* from Greece and the Czech Republic and their phytopathological and phylogenetic implications. **Plant Pathology**, 58, pp: 933-943; (2020 Impact Factor: 2.590).
2. Moschou PN[§], Sarris PF[§], Skandalis N, Andriopoulou AH, Paschalidis KA, Panopoulos NJ, and Roubelakis-Angelakis KA. (2009). Engineered polyamine catabolism preinduces tolerance of tobacco to bacteria and oomycetes. **Plant Physiology**, 149, pp: 1970–1981. *§Equal co-first authors listed alphabetically*. (2020 Impact Factor: 8.340). doi: 10.1104/pp.108.134932.

2010

3. Sarris PF*, Skandalis N, Kokkinidis M. and Panopoulos NJ.* (2010). *In silico* analysis for *Pseudomonas syringae* putative type VI secretion system and effector proteins. **Molecular Plant Pathology**, 11(6), pp: 795-804. *Corresponding Author. (2020 Impact Factor: 5.663). doi:10.1111/j.1364-3703.2010.00644.x
Biomedical articles: *P. syringae* top 50, 2006 to 2011 (No 46) (RecentMedicalFindings.com).
4. Tampakaki AP, Skandalis N[§], Bastaki MN[§], Gazi AD[§], Sarris PF[§], Charova SN[§], Kokkinidis M, Panopoulos NJ. (2010). Playing the “Harp”: Evolution of our understanding of *hrp/hrc* genes. *Invited Review Paper* in **Annual Reviews of Phytopathology**, Vol. 48, pp: 347-370. *§Equal contributed authors*. (2020 Impact Factor: 13.078). doi:10.1146/annurev-phyto-073009-114407.
5. Sarris PF, Karri VI, Goumas DE. (2010). First report of *Pseudomonas syringae* pv. *alisalensis* causing bacterial blight of arugula (*Eruca vesicaria* subsp. *sativa*) in Greece. **New Disease Reports**, 22, 22. doi:10.5197/j.2044-0588.2010.022.022. (Impact Factor 2009: 2.368, new IF will be available in 2024).

2011

6. Sarris PF*, Zoumadakis C, Panopoulos NJ and Scoulica E*. (2011). Distribution of the putative type VI secretion system core genes in *Klebsiella* spp. **Infection Genetics and Evolution**, 11, pp: 157–166. *Corresponding Author. (2020 Impact Factor: 3.342). doi:10.1016/j.meegid.2010.09.006
Top 25 Hottest Articles (No 11): Biological Science > Infection, Genetics and Evolution: Oct to Dec 2011.
7. Sarris PF, Karademiris K, Gao S, Jin H, Kalantidis K and Panopoulos NJ. (2011). Phytobacterial Type III Effectors Enhance Plant Sense-Post Transcriptional Gene Silencing Independently of R Gene-Effector Recognition. **Molecular Plant Microbe Interactions**, 24(8), pp: 907-17. (2020 Impact Factor: 4.171). doi:10.1094/MPMI-01-11-0010
8. Sarris PF* and Scoulica E. (2011). *Pseudomonas entomophila* & *Pseudomonas mendocina*: Potential models for studying the bacterial Type VI Secretion System. **Infection, Genetics and Evolution**, 11(6), pp: 1352-60. *Corresponding Author. (2020 Impact Factor: 3.342). doi:10.1016/j.meegid.2011.04.029
9. Sarris PF, Trantas E.A., M. Pagoulatou, D. Stavrou, F. Ververidis, D.E. Goumas. (2011). First report of potato blackleg caused by a new clade of biovar 3 *Dickeya* sp. (*Pectobacterium chrysanthemi*) in Greece. **New Disease Reports** 24, 21. doi:10.5197/j.2044-0588.2011.024.021. (Impact Factor 2009: 2.368, new IF will be available in 2024).

2012

10. Sarris PF*, Trantas MA, Mpalantinaki E, Ververidis F, Goumas DE*. (2012). *Pseudomonas viridiflava*, a multi host plant pathogen with remarkable genetic polymorphism. **PLoS ONE**, 7(4): e36090. doi:10.1371/journal.pone.0036090 (2020 Impact Factor: 3.240). *Corresponding Author.

11. Sarris PF, E. A. Trantas, F. Ververidis, S. E. Gouma, D. E. Goumas. (2012). First report of *Pseudomonas viridiflava* causing a bacterial blight of artichoke bract leaves. *Plant Disease*, Vol. 96(8), pp: 1223.2 (2020 Impact Factor: 4.438). doi:10.1094/PDIS-12-11-1084-PDN
12. Skandalis N, Sarris PF and Panopoulos NJ. (2012). Targeting injectisomes of virulence: Benefits of 30 years of research on bacterial secretion systems, to crop protection. *Invited Review Paper* in *HPPJ*, Vol. 5(2), pp. 31-47 (2020 Impact Factor 0.563).
13. Gazi AD, Sarris PF, Fadoulglou VE, Charova SN, Mathioudakis N, Panopoulos NJ and Kokkinidis M. (2012). Phylogenetic analysis of a gene cluster encoding an additional, Rhizobial-like type III secretion system that is narrowly distributed among *Pseudomonas syringae* strains. *BMC Microbiology*, 12, pp: 188 (2020 Impact Factor: 3.605). doi:10.1186/1471-2180-12-188

2013

14. Sarris PF*, Trantas E, Baltrus D, Bull C, Wechter E, Yan S, Ververidis F, Jones C, Dangl J, Panopoulos N, Vinatzer B, Goumas D. (2013). Comparative genomics of multiple strains of *Pseudomonas cannabina* pv. *alisalensis*, a potential model pathogen of both Monocots and Dicots. *PLoS ONE*, 8(3): e59366. (2020 Impact Factor: 3.240). doi:10.1371/journal.pone.0059366. *Corresponding Author.
15. Trantas EA§, Sarris PF§, Mpalantinaki E, Ververidis F and Goumas DE. (2013). A new genomovar of *Pseudomonas cichorii*, a causal agent of tomato pith necrosis. *Eur J Plant Pathol*. Doi:10.1007/s10658-013-0258-8. (2020 Impact Factor: 1.907). §Equal co-first authors.

2014

- ¶16. Williams SJ, Sohn KH, Wan L, Bernoux M, Sarris PF§, Segonzac C, Ve T, Ma Y, Saucet SB, Ericsson DJ, Casey LW, Lonhienne T, Winzor DJ, Zhang X, Coerdts A, Parker JE, Dodds PN, Kobe B, Jones JDG. (2014). Structural Basis for Assembly and Function of a Heterodimeric Plant Immune Receptor. *Science*, Vol. 344 no. 6181 pp. 299-303. (2020 Impact Factor: 47.728). doi:10.1126/science.1247357. §This author should be considered as 2nd author.
- Special commentary highlighting this work:
 - a) *Science*, Apr. 2014, 18;344 (6181):267-8
 - b) *Trends in Immunology*, Oct. 2014, Vol.35, No. 10.
17. Trantas EA*, Sarris PF*, Pentari MG, Mpalantinaki EE, Ververidis FN and Goumas DE. (2014). Diversity among *Pseudomonas corrugata* and *Pseudomonas mediterranea* isolated from tomato and pepper showing symptoms of pith necrosis in Greece. *Plant Pathology*, Doi:10.1111/ppa.12261. (2020 Impact Factor: 2.590). *Equal co-first and co-Corresponding authors.
18. Sarris PF*, Ladoukakis M, Panopoulos NJ, Scoulica EV*. (2014). A phage tail-derived element with wide distribution among both prokaryotic domains. A comparative genomic and phylogenetic study. *Genome Biology and Evolution*, 6(7), pp: 1739-1747. (2020 Impact Factor: 3.342). doi:10.1093/gbe/evu136. *Corresponding Authors.
19. Sohn KH, Segonzac C, Rallapalli G, Sarris PF§, Woo J, Williams S, Peak K, Kobe B and Jones JD. (2014). The nuclear immune receptor RPS4 is required for RRS1^{SLH1}-induced defense activation in *Arabidopsis thaliana*. *PLoS Genetics*, 10(10): e1004655. (2020 Impact Factor: 5.917). doi:10.1371/journal.pgen.1004655. §This author should be considered as 2nd author.
20. Licciardello G, Bella P, Devescovi G, Strano CP, Sarris PF, Catara AF, Venturi V, Catara V. (2014). Draft genome sequence of *Pseudomonas mediterranea* strain CFBP 5447, a producer of filmable medium-chain-length polyhydroxyalkanoates. *Genome Announcements*, Vol. 2, no.6 e01260-14. doi:10.1128/genomeA.01260-14. (2024 Impact Factor: 2.700).

2015

21. Saucet SB, Ma Y, Sarris PF§, Furzer JO, Sohn KH, and Jones JD. (2015). Two linked pairs of *Arabidopsis* TNL resistance genes function independently to recognize bacterial effector AvrRps4. *Nature Comms*. Vol 6:6338, doi/10.1038/ncomms7338. (2021 Impact Factor: 17.694). §This author should be considered as 2nd author.
- ¶22. Sarris PF*, Duxbury Z, Huh SU, Ma Y, Segonzac C, Sklenar J, Derbyshire P, Cevik V, Rallapalli G, Saucet SB, Wirthmueller L, Menke FLH, Sohn KH and Jones JDG*. (2015). A plant immune receptor detects pathogen effectors that target WRKY transcription factors. *Cell*, 161, pp:1089–1100. (2020 Impact Factor: 41.582). doi:10.1016/j.cell.2015.04.024. *Co-corresponding Author.
- Evaluated by Faculty of 1000: <http://f1000.com/prime/725508987?subscriptioncode=94cfd136-7e4d-4a81-92ec-228c7974dd3c>
 - This work has been highlighted in: 2015: *Signaling Breakthroughs of the Year*, *Science* (2016), (Signaling, 9(409)).
 - Special commentary highlighting this work:
 - a) *Cell*, May 21 2015, 161:957-960.
 - b) *Nature Reviews in Immunology*, 2015, Vol.15, doi:10.1038/nri3876.

23. Sarris PF* and Jones DGJ (2015). Plant Immune Receptors Mimic Pathogen Virulence Targets. *Invited Editorial. Oncotarget*, Vol. 6 (19), 16824-16825. (2020 Impact Factor: 3.331). doi:10.18632/oncotarget.4838. *Corresponding Author.

24. Trantas EA, Licciardello G, Almeida NF, Witek K, Strano CP, Duxbury Z, Ververidis F, Goumas DE, Jones JDG, Guttman DS, Catara V, Sarris PF*. (2015). Comparative genomic analysis of multiple strains of two unusual plant pathogens: *Pseudomonas corrugata* and *Pseudomonas mediterranea*. *Frontiers in Microbiology*, 6:811. (2020 Impact Factor: 5.640). doi:10.3389/fmicb.2015.00811. *Corresponding Author.

2016

25. Sarris PF, Cevik V, Dagdas G, Jones JDG, Krasileva KV. (2016). Comparative analysis of plant immune receptor architectures uncovers host proteins likely targeted by pathogens. *BMC Biology*, 19;14:8, (2020 Impact Factor: 5.914). doi:10.1186/s12915-016-0228-7.

26. Trantas AE*, Sarris PF*, E. Mpalantinaki, M. Papadimitriou, F. Ververidis, D. E. Goumas (2016). First Report of *Xanthomonas hortorum* pv. *hederae* Causing Bacterial Leaf Spot on Ivy in Greece. *Plant Disease* Vol. 100, Numb 10, (2020 Impact Factor: 4.438). doi.org/10.1094/PDIS-03-16-0312-PDN. *Corresponding Authors.

27. Duxbury Z, Ma Y, Furzer OJ, Huh SU, Cevik V, Jones JDG* and Sarris PF*. (2016). Pathogen perception by NLRs in plants and animals: Parallel worlds. *Invited Review, BioEssays*; 38(8):769-81, (2020 Impact Factor: 4.345). doi:10.1002/bies.201600046. *Corresponding Authors.

2017

28. Trantas EA, Mpalantinaki E, Pagoulatou M, Sarris PF, Ververidis F, Goumas DE. (2017). First report of bacterial apical necrosis of mango caused by *Pseudomonas syringae* pv. *syringae* in Greece. *Plant Disease*, Vol 101(8), pp: 1541. (2020 Impact Factor: 4.438). doi.org/10.1094/PDIS-04-17-0498-PDN.

29. Huh SU, Cevik V, Ding P, Duxbury D, Ma Y, Tomlinson L, Sarris PF* and Jones JDG* (2017). Protein-Protein Interactions in the RPS4/RRS1 Immune Receptor Complex. *PLoS Pathogens*, 13(5): e1006376. (2020 Impact Factor: 6.823). doi:10.1371/journal.ppat.1006376. *Corresponding Authors.

2018

30. Licciardello G, Caruso A, Bella P, Gheleri R, Strano CP, Anzalone A, Trantas EA, Sarris PF, Almeida NF and Catara V. (2018). The LuxR Regulators PcoR and RfiA Co-regulate Antimicrobial Peptide and Alginate Production in *Pseudomonas corrugata*. *Frontiers in Microbiology*. 23;9:521. (2020 Impact Factor: 5.640). doi:10.3389/fmicb.2018.00521.

31. Michalopoulou VA, Vicente JG, Studholme DJ, and Sarris PF*. (2018). Draft Genome Sequences of Pathotype Strains for Three Pathovars Belonging to Three *Xanthomonas* Species. *Genome Announcements*, 7:e00923-18. doi.org/10.1128/MRA.00923-18. (2024 Impact Factor: 2.700). *Corresponding Author.

32. Ma Y, Guo H, Hu L, Martinez PP, Moschou PN, Cevik V, Ding P, Duxbury Z, Sarris PF and Jones JDG. (2018). Distinct modes of derepression of an Arabidopsis immune receptor complex by two different bacterial effectors. *PNAS*, 9, 115(41) pp:10218-10227. (2020 Impact Factor: 11.205). doi:10.1073/pnas.1811858115.

33. Mathioudakis MM, Khechmar S, Owen CA, Medina V, Mansour KB, Tomaszewska W, Spanos T, Sarris PF and Livieratos IC. (2018). A Thioredoxin Domain-Containing Protein Interacts with *Pepino Mosaic Virus* Triple Gene Block Protein 1. *Int. J. Mol. Sci.* 19(12), pp:3747. (2020 Impact Factor: 5.924). doi:10.3390/ijms19123747.

2019

34. Mermiga G, Sarris PF*. (2019). The Rice of plant Resistosomes. *Invited Review, Trends in Immunology*, 40(8), pp:670-673, (2020 Impact Factor: 16.687). doi:10.1016/j.it.2019.05.008. *Corresponding Author.

35. Paschalidis K, Tsaniklidis G, Wang B-Q, Delis C, Trantas E, Loulakakis K, Makky M, Sarris PF, Ververidis F & Liu J-H (2019). The Interplay among Polyamines and Nitrogen in Plant Stress Responses. *Plants*, 8(9), pp:315. (2020 Impact Factor: 3.899). doi:10.3390/plants8090315.

2020

36. Mermigka G, Amprazi M, Mentzelopoulou A, Amartolou A, Sarris PF*. (2020). Plant and Animal Innate Immunity Complexes: Fighting Different Enemies with Similar Weapons. *Invited Review, Trends in Plant Science*, 25(1), pp: 80-91, (2020 Impact Factor: 18.313). doi:10.1016/j.tplants.2019.09.008. *Corresponding Author.

37. Kioukis A, Michalopoulou VA, Briers L, Pirintsos S, Studholme DJ, Pavlidis P, Sarris PF*. (2020). Intraspecific diversification of the crop wild relative *Brassica cretica* Lam. using demographic model selection. *BMC Genomics*, 14;21(1):48, (2020 Impact Factor: 3.969). doi:10.1186/s12864-019-6439-x. *Corresponding Author.

38. Andersen EJ, Nepal MP, Purintun JM, Nelson D, Mermigka G, and **Sarris PF**. (2020). Wheat Disease Resistance Genes and their Diversification through Integrated Domain Fusions. *Frontiers in Genetics*, 11:898, (2020 Impact Factor: 4.599). doi:10.3389/fgene.2020.00898.

2021

39. Christakis C, Daskalogiannis G, Chatzakis A, Markakis EA, Mermigka G, Sagia A, Rizzo GF, Catara C, Lagkouvardos I, Studholme DJ, **Sarris PF***. (2021). Endophytic bacterial isolates from halophytes demonstrate phytopathogen biocontrol and plant growth promotion under high salinity. *Frontiers in microbiology*, doi:10.3389/fmicb.2021.681567. (2020 Impact Factor: 5.640). ***Corresponding Author**.

40. Sertedakis M, Kotsaridis K, Tsakiri D, Mermigka G, Dominguez-Ferreras A, Ntoukakis v, **Sarris PF***. (2021). Expression of putative effectors of different *Xylella fastidiosa* strains triggers cell death-like responses in various *Nicotiana* model plants. *Mol Plant Pathol*. (2020 Impact Factor: 5.663). doi:10.1111/mpp.13147. ***Corresponding Author**.

2022

41. Michalopoulou VA, Kotsaridis K, Mermigka G, Mentzelopoulou A, Celie PHN, Moschou PN, Jones JDG, **Sarris PF***. (2022). The host exocyst complex is targeted by a conserved bacterial type-III effector that promotes virulence. *The Plant Cell*. 34(9):3400-3424. doi: 10.1093/plcell/koac162. (2020 Impact Factor: 11.277). ***Corresponding Author**.

42. Marchal C[§], Michalopoulou VA[§], Zou Z, Cevik V*, **Sarris PF***. (2022). Show me your ID: NLR immune receptors with integrated domains in plants. *Invited Review, Essays in Biochemistry*. 66(5):527-539. doi: 10.1042/EBC20210084. [§]Co-first authors. (2020 Impact Factor: 7.330). ***Corresponding Author**.

43. Kotsaridis K, Tsakiri D, **Sarris PF***. (2022). Understanding enemy's weapons to an effective prevention: common virulence effects across microbial phytopathogens kingdoms. *Invited Review, Critical Reviews in Microbiology*, doi.org/10.1080/1040841X.2022.2083939. (2021 Impact Factor: 7.624). ***Corresponding Author**.

2023

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45. Kotsaridis K, Michalopoulou VA, Tsakiri D, Kotsifaki D, Kefala A, Koundourakis N, Celie PHN, Kokkinidis M, **Sarris PF***. (2023). The functional and structural characterization of *Xanthomonas campestris* pv. *campestris* core effector XopP revealed a new kinase activity. *The Plant Journal*, doi: 10.1111/tj.16362. (2021 Impact Factor: 7.091) ***Corresponding Author**.

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48. Chen R, Chen K, Yao X, Zhang X, Yang Y, Su X, Lyu M, Wang Q, Zhang G, Wang M, Li Y, Duan L, Xie T, Li H, Yang Y, Zhang H, Guo Y, Jia G, Ge X, **Sarris PF**, Lin T, Sun D. (2024). Genomic analyses reveal the stepwise domestication and genetic mechanism of curd biogenesis in cauliflower. *accepted in Nature Genetics*, (2024 Impact Factor: 41.307).

Publication in preprint journals

1. Kioukis A, Michalopoulou VA, Briers L, Pirintsos S, Studholme DJ*, Pavlidis P, **Sarris PF***. (2019). Draft Genome Sequence and intraspecific diversification of the wild crop relative *Brassica cretica* Lam. using demographic model selection. *BioRxiv*, doi: <http://dx.doi.org/10.1101/521138>. ***Corresponding Author**
2. Christakis CA, Daskalogiannis G, Chatzakis A, Sagia A, Rizzo GF, Catara V, Lagkouvardos I, Studholme DJ, Markakis EA, **Sarris PF***. (2020). Culturable halophytic bacterial endophytoph: a potential source of beneficial microbes for a sustainable agriculture. *BioRxiv*. ***Corresponding Author**
3. Michalopoulou VA, Kotsaridis K, Mermigka G, Kotsifaki D, Kokkinidis M, Celie PHN, Jones JDG, Sarris PF*. (2020). The host exocyst complex is targeted by a conserved bacterial type III effector protein that promotes virulence. *BioRxiv*. ***Corresponding Author**.

- Mermigka G, Amartolou A, Mentzelopoulou A, Astropekaki N, **Sarris PF***. (2021). Assassination Tango: An NLR/NLR-ID immune receptors pair of rapeseed co-operates inside the nucleus to activate cell death. *BioRxiv*, doi.org/10.1101/2021.10.29.466428. *Corresponding Author.
- Arapitsas N, Christakis CA, Angelakis G, Maragkoudakis A, Kotzabasis K, Sarris PF. (2022). Atmospheric nitrogen fixation by eukaryotes: Should we reconsider the nitrogen cycle in nature? *BioRxiv*, doi.org/10.1101/2022.09.29.510055. *Corresponding Author

Books and Book Chapters

- Sarris PF***, Trantas EA, Skandalis N, Tampakaki AP, Kapanidou M, Kokkinidis M, and Panopoulos NJ*. (2011). Phytobacterial Type VI Secretion System: Gene Distribution, Phylogeny, Structure and Biological Functions. *Invited Book chapter*. "Plant Pathology Book" (InTech - an Open Access publisher: ISBN 978-953-51-0489-6). DOI:10.5772/33235. *Corresponding Authors.
- Charova SN, Gazi AD, Kotzabasaki M, **Sarris PF**, Fadouloglou VE, Panopoulos NJ, Kokkinidis M. (2011). Protein Flexibility and Coiled-coil propensity: New Insights into Type III and other Bacterial Secretion Systems. *Invited Book chapter*. "Biochemistry Book 1" (InTech - an Open Access publisher: ISBN 979-953-307-484-8). DOI:10.5772/32582.
- Catara V, Suming D and **Sarris PF** (2020). *Invited Book chapter*. Molecular Mechanisms for Resistance to Biotic Stresses. Pringer Nature Switzerland AG 2020 A. Gentile et al. (eds.). The Citrus Genome, Compendium of Plant Genomes. DOI:10.1007/978-3-030-15308-3_16.
- Editorial Board for the translation in Greek language of the **Wiley J.M. - Prescott's Microbiology 11th Edition**, Broken Hill Publishers LTD, (2023).

Patents

- Panopoulos NJ, Papanikolaou AS, **Sarris PF**, Skandalis N. (2010). *PATHOGEN DERIVED EFFECTORS AND THEIR USE IN ENHANCING PLANT RESISTANCE TO PATHOGENS, INSECT PESTS AND FREEZING STRESS*. Atty. USPO, No: WO 2012/067999.

Publication in Refereed Conference Proceedings

- Sarris PF**, Delimpaltadakis N, Tampakaki A, Panopoulos NJ. (2008). Functional annotation of ORF6, a 'pig' gene from *Pseudomonas syringae* B728a. *FEBS Journal*, 275, pp: 276. (5Y Impact Factor: 3.60).
- Sarris PF** and Panopoulos NJ. (2009). Pathogen-derived effectors as functional markers for genomic analysis and disease resistance breeding in plants. *Phytopathol. Mediterr.* 48, pp: 334. (5Y Impact Factor: 1.197).
- Sarris PF**, Heliakes R, Doulis AG and Fanourakis N. Phylogenetic Analysis of Greek Isolates of the Fungus *Pseudoperonospora cubensis* (Berk. & M.A. Curtis) on the Basis of AFLP Molecular Markers and Sequence Variation in ITS Regions of rDNA. Proceedings of 11th Congress of **Plant Breeding**, Hellenic Scientific Association of Plant Breeding, Orestias, 2006.
- Roubelakis-Agelakis KA, Moschou PN, **Sarris PF**, Panopoulos NJ. (2009). Altered Polyamine Catabolism: Producing Transgenic Plants with Enhanced Tolerance to Bacteria and Oomycetes. *Information Systems for Biotechnology* (ISB) News, pp: 5-7.
- Stavrou D, Pagoulatou T, **Sarris P**, Trantas E, Ververidis F. & Goumas D. (2011). *Dickeya solani*: An emerging pathogen in potato cultivation. *Agriculture & Cattle-Breeding*, No. 6, pp: 98-104. [Article in Greek].

Selected Abstracts and Oral presentations in Meetings & Conferences

- Sarris PF**, E Trantas, and N Fanourakis, "Comparison of genetic polymorphism assessed by RAPD analysis and description of morphological characters for two Greek cucumber varieties", «3rd International Cucurbit Symposium» in Townsville, Australia, 11-17 September 2005.
- Panopoulos NJ, A Tampakaki, V Fadouloglou, N Skandalis, M Bastaki, A Gazi, **Sarris PF**, S Harova, I Konstantinidis, JW Mansfield, A Economou, M Kokkinidis, "Inter-organisms Transport of Proteins and Bacterial Pathogenicity: Two Decades of Surprises and Emerging Applications", Pan-Hellenic Congress "Biosciences in 21st Century", 13-15/04/2006, Athens.
- Sarris PF**, K Karandemiris, K Kalantidis and NJ Panopoulos, "Extending the range of functional assays for Phytopathogenic bacterial Type III effectors", "XIII International Congress on Molecular Plant-Microbe Interactions", Sorrento (Naples), Italy July 21, 2007.
- Sarris PF**, Panopoulos NJ, "Pathogen-derived Effectors as Functional Markers for Genomic Analysis and Disease Resistance Breeding in Plants", 14th Greek Phytopathological congress, 7-10 October 2008 – Candia – Nauplium, Greece.
- Panopoulos NJ, N. Skandalis, **Sarris PF**, A. Tampakaki, "Micro-organisms (Pathogens) and Agriculture", 1st Pan-Hellenic Congress of Hellenic Society MicroBioKosmos, 12-14 Dec. 2008, Athens, Greece.

6. Sarris PF, K Kalantidis and NJ Panopoulos, "Enhancement of RNA silencing in plants: a new effect of phyto-bacterial type III effectors", 1st Pan-Hellenic Congress of Hellenic Society MicroBioKosmos, 12-14 Dec. 2008, Athens, Greece.
7. Sarris PF, NJ Panopoulos, "Microbial Pathogenicity Effectors as Functional Markers for Genomic Analysis and Disease Resistance Breeding in Plants", 1st Pan-Hellenic Congress of Hellenic Society MicroBioKosmos, 12-14 Dec. 2008, Athens, Greece.
8. Skandalis N, Sarris PF, Ioannou M, Kafetzopoulos D, Panopoulos NJ. "Development of new diagnostic tools based on in silico analysis of secretion systems of gram-phytopathogenic bacteria". 12th International conference on Plant Pathogenic Bacteria, June/07-11/2010.
9. Stavrou D, Pagoulatou MG, Sarris PF, Trantas E, Ververidis F & Goumas D. (2011). First Report of the *Dickeya* sp. biovar 3 as the pathogen of the black leg disease of potato in Greece. 25th Congress of the Greek Society for Horticultural Science, 1-4 November, Limassol, Cyprus.
10. Pagoulatou MG, Sarris PF, EA Trantas, DS Stavrou, KB Simoglou, F Ververidis, DE Goumas. Potato black leg in Greece caused by *Dickeya* sp. biovar 3 (*D.solani*). 16th Greek Phytopathological congress, 16-18 October 2012, Thessaloniki, Greece.
11. Trantas EA, Sarris PF, MG Pentari, EE Mpalantinaki, F Ververidis, DE Goumas. *Pseudomonas cichorii*, the causal agent of tomato pith necrosis in Crete. 16th Greek Phytopathological congress, 16-18 October 2012, Thessaloniki, Greece.
12. Pentari MG, EE Mpalantinaki, PF Sarris, EA Trantas, F Ververidis, DE Goumas. Characterization of bacterial isolates from pith necrosis of tomato. 16th Greek Phytopathological congress, 16-18 October 2012, Thessaloniki, Greece.
13. Mpalantinaki EE, Sarris PF, EA Trantas, F Ververidis, DE Goumas. Molecular characterization of *Pseudomonas viridiflava* strains from several hosts. 16th Greek Phytopathological congress, 16-18 October 2012, Thessaloniki, Greece.
14. Sarris PF, EA Trantas, DA Baltrus, CT Bull, WP Wechter, S Yan, F Ververidis, CD Jones, JL Dangl, NJ Panopoulos, BA Vinatzer and DE Goumas. Comparative genomics of multiple strains of *Pseudomonas cannabina* pv. *alisalensis*, a potential model pathogen of both Monocots and Dicots. 16th Greek Phytopathological congress, 16-18 October 2012, Thessaloniki, Greece
15. Sohn KH, Segonzac C, Rallapalli G, Sarris PF, Woo J, Williams S, Paek K, Kobe B. and Jones JD. Mechanisms by which the paired immune receptors, RPS4 and RRS1, function in *Arabidopsis thaliana*. 24th International Conference on Arabidopsis Research, 24-28 June 2013, Sydney Australia.
16. Duxbury Z, Sarris PF, Sklenar J, Derbyshire P, Segonzac C, Rallapalli G, Saucet SB, Ma Y, Huh SU, Sohn KH, Banfield MJ, Jones DGJ. Avirulence and (potential) virulence of a *Ralstonia solanacearum* effector protein. JIC-TSL Annual Science Meeting, 16-18 October 2013, John Innes Centre, Norwich Research Park, UK.
17. Ma Y, Saucet SB, Sarris PF, Duxbury Z, Wirthmueller L, Huh SU, Rallapalli G, Jones DGJ. Unravelling the mystery of AvrRps4 recognition by Arabidopsis resistant gene pair RRS1/RPS4. JIC-TSL Annual Science Meeting, 16-18 October 2013, John Innes Centre, Norwich Research Park, UK.
18. Jones DGJ, Sarris P, Ma Y, Duxbury Z, Huh US, Saucet SB, Segonzac C, Sohn KH, Williams S, Kobe B. How the RPS4/RRS1 (TIR-NB-LRR/TIR-NB-LRR-WRKY) protein complex recognizes effectors AvrRps4 and PopP2, and then activates defence. MPMI2014 congress, Rhodes, Greece. 04-10/06/2014. **Plenary oral presentation.**
19. Ma Y, Duxbury Z, Sarris P, Huh SU, Segonzac C, Saucet SB, Sohn KH, Wirthmueller L, Jones DGJ. Unravelling the mystery of AvrRps4 recognition by Arabidopsis resistance gene pair RRS1/RPS4. MPMI-2014 congress, Rhodes, Greece. 04-10/06/2014. **Oral presentation.**
20. Williams SJ, KH Sohn, L Wan, M Bernoux, PF Sarris, C Segonzac, T Ve, Y Ma, SB Saucet, DJ Ericsson, LW Casey, T Lonhienne, DJ Winzor, X Zhang, A Coerd, JE Parker, PN Dodds, B Kobe, JDG Jones. Structural basis for assembly and function of a heterodimeric plant immune receptor. MPMI-2014 congress, Rhodes, Greece. 04-10/06/2014. **Oral presentation.**
21. Panopoulos N, K Karademiris, A Papanikolaou, P Sarris, N Skandalis. Phyto-bacterial effectors – Yet more effects – A case for serendipity. MPMI-2014 congress, Rhodes, Greece. 04-10/06/2014. **Oral presentation.**
22. Sarris PF, Sung Un Huh, Volkan Cevik, Zane Duxbury, Yan Ma, Simon B. Saucet, Ghanasyam Rallapalli, Jonathan D.G. Jones. Intramolecular rearrangements in RRS1/RPS4 TIR-NB-LRR receptor complex upon activation. MPMI-2014 congress, Rhodes, Greece. 04-10/06/2014. **Best Ranking Poster in Plant Immunity.**
23. Trantas AE, B Ward, K Witek, G Licciardello, DE Goumas, C van Oosterhout, DS Guttman5, V Catara, PF Sarris. Comparative genomics of multiple strains of *Pseudomonas corrugata* and *Pseudomonas mediterranea*. MPMI-2014 congress, Rhodes, Greece. 04-10/06/2014.
24. Ding P, Rallapalli G, Sarris PF, Ma Y, Jones J. "Transcriptional regulation in effector-triggered immunity via NB-LRR resistance genes RPS4 and RRS1", *New Phytologist Symposia, Next Generation Scientists*, Norwich, United Kingdom. 29th–30th July 2014.
25. Strano CP, Licciardello G, Trantas EA, Bella P, Sarris PF and Catara V. Insights in Antimicrobial Secondary Metabolite Production and Regulation in *Pseudomonas corrugata* and *P. mediterranea*. 9th International Conference on *Pseudomonas syringae* and related pathogens; 2-6 June, 2015, Málaga, Spain.
26. Sarris PF, Huh S, Cevik V, Jones J. **Pairs of paired plant immune receptors, RPS4/RRS1 and RPS4B/RRS1B; it takes two to tango.** The 26th International Conference on Arabidopsis Research (ICAR 2015). Paris, 5-9 July 2015.

27. Huh SU, **Sarris PF**, Cevik V, Tomlinson L, Wirthmueller L, Ma Y, Duxbury Z, Jones JDG. RRS1 is required for RPS4 nuclear localization and effector-independent EDS1 association. The 26th International Conference on Arabidopsis Research (ICAR 2015), Paris, 5-9 July 2015.
28. **Sarris PF**, Cevik V, Dagdas G, Jones JDG, Krasileva KV. Comparative Analysis of Plant Immune Receptor Architectures Uncovers Host Proteins Targeted By Pathogens. Plant & Animal Genome Conference XXIV, 2016 January 9-13, San Diego, CA.
29. Duxbury Z, Huh S, Ding P, Ma Y, **Sarris PF**. Understanding and engineering immune receptor complexes in plants. IS-MPMI XVII Congress, Portland, Oregon, USA, July 17-21 2016.
30. Cevik V, Huh S, Cooper A, Furzer O, Fairhead S, Taylor J, Carlier J, **Sarris PF**, Jones J, Holub E. Distinct resistance genes arrest development of the oomycete rust *Albugo candida* in *Arabidopsis thaliana* at different infection stages. IS-MPMI XVII Congress, Portland, Oregon, USA, July 17-21 2016.
31. Ma Y, Martinez P, Duxbury D, **Sarris PF**, Brown H, Wirthmueller L, Jones J. How does pathogen perception via the WRKY domain activate the RRS1/RPS4 immune complex? IS-MPMI XVII Congress, Portland, Oregon, USA, July 17-21 2016.
32. Duxbury Z, Huh S, Ding P, Ma Y, Sklenar J, Menke F, **Sarris PF**, Jones J. Understanding and engineering immune receptor complexes in plants. IS-MPMI XVII Congress, Portland, Oregon, USA, July 17-21 2016.

Invited Oral presentations in Meetings - Conferences and other

1. **Sarris PF**, **Invited Plenary Speaker**. *Plant R gene allelic variation in defence activation: The case of Arabidopsis RRS1/RPS4*. 7th International EPSO Conference 'Plants for a Greening Economy', 01-04 September 2013, Porto Heli, Greece.
2. **Sarris PF**, **Invited Speaker**. *Host defence activation after pathogen perception in plants: The case of Arabidopsis RRS1/RPS4*. John Innes Centre, Dept. of Molecular Microbiology, Norwich Research Park. 04.03.2014, Norwich, UK. Hosted by Prof. Mark Buttner.
3. **Sarris PF**, **Invited member** of the **Local Scientific and Organization Committee (LSOC)**, XVI International Congress on Molecular Plant-Microbe Interactions (**XVI MPMI 2014**), 6-10 July, Rhodes, Greece. Head of the topic "Effector Biology".
4. **Sarris PF**, **Invited Speaker**. *Integrated Decoy, A new mechanism for pathogen effectors perception in Plants*. University of Cambridge, Dept. of Plant Science, 19/06/2015. Hosted by Prof. David Balcombe.
5. **Sarris PF**, **Invited Speaker**. *Insights into intramolecular rearrangements of a TIR-NB-LRR receptor pair upon activation*. Thematic session: **Biotic interactions**, The 26th International Conference on Arabidopsis Research (ICAR 2015), Paris, 5-9 July 2015.
6. **Sarris PF**, **Invited Speaker**. *Plant Innate Immunity: Pathogen perception and activation of plant NLRs*. Institute of Molecular Biology and Biotechnology (IMBB), Foundation of Research and Technology (FORTH), Crete, Greece, 02 Sept 2015. Hosted by Prof. Nektarios Tavernarakis.
7. **Sarris PF**, **Invited Speaker**. *Plant Innate Immunity Receptor complex Mimics Pathogen Virulence Targets*. John Innes Centre Annual Science Meeting, 14-16th October 2015.
8. **Sarris PF**, **Invited Speaker**. *Disease is the exception, rather than the rule*, Living Systems Institute Symposium 29/02/2016-01/03/2016.
9. **Sarris PF**, **Invited Plenary Speaker**. 18th Hellenic Phytopathological Congress, 18-21/10/2016, Heraklion, Greece.
10. **Sarris PF**, **Invited Plenary Speaker**. Summer School of Mikrobiokosmos 2018 "The role of microbiome in ecosystem functioning, food security, human health and environmental protection". Argalasti Pelion, Greece, 24-28 June 2018.
11. **Sarris PF**, **Invited Member** of the organization committee of the 1st Training School of the EuroXanth COST Action. 5-day Training School on "Prognosis & Advanced Diagnosis on *Xanthomonadaceae*" in Crete, Greece, February 12 to 16, 2018.
12. **Sarris PF**, **Invited Plenary Speaker**. 40th Annual Conference, Hellenic Society for Biological Sciences, May 24-26, 2018, Veria, GR.
13. **Sarris PF**, **Invited Plenary Speaker**. Workshop: "The Good, the Bad and the Agri", Elucidating Beneficial and Detrimental Plant-Microbe Interactions Towards Sustainable Agriculture, Hebrew University in Rehovot - Israel, September 3-4, 2018.
14. **Sarris PF**, **Invited Plenary Speaker**. The 8th Congress of the Scientific Society "MikroBioKosmos" to be held at the Institute of Chemical Engineering Sciences (Rio - Patras) on 18 - 20th April 2019.
15. **Sarris PF**, **Invited Keynote Speaker**. Conference of the Mediterranean Phytopathological Union in Cyprus, 4-8 April, 2022, Limassol, Cyprus.