BIOGRAPHICAL SKETCH

NAME: Panagiotis Madesis

POSITION TITLE: Assistant Professor University of Thessaly, School of Agricultural Sciences, Department of Agriculture Crop Production and Rural Environment. Cellular and Molecular Biology

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	Completion Date MM/YYYY	FIELD OF STUDY
Aristotelian University of Thessaloniki 1 year in Manchester, UK	PhD	2004	Genetic engineering and molecular biology-biotechnology
Aristotelian University of Thessaloniki	Master degree	1998	Plant Breeding and Plant physiology
Aristotelian University of Thessaloniki	Bachelor in agriculture	1996	Agriculture, plant science

Personal Statement

Dr. Panagiotis Madesis was born in Thessaloniki on 19.01.1971. He studied at the Faculty of Agriculture at the Aristotle University of Thessaloniki (AUTH). He pursued graduate studies in the laboratory of Genetics and Plant Breeding of the Faculty of Agricultural Sciences, AUTH where he also did his doctoral dissertation. Additionally, the last year of his doctoral thesis, he moved to the University of Manchester in the Laboratory of Plant Science with emphasis on the genetic manipulation of the chloroplast genome. During this period, he worked on a number of research programs. Dr. Madesis has carried out his studies with the help of the following scholarships a) Marie Curie Fellow at the University of Manchester, b) Greek State Institute Scholarship.

In 2004, he was given a postdoctoral position in the Laboratory of Plant sciences in the Faculty of Life Sciences at the University of Manchester. Since October 2008 he has been Researcher in the Institute of Applied Biosciences (INAB; formerly, Institute of Agrobiotechnology) of the National Centre for Research and Technology Hellas (CERTH). He moved on the 3rd of June 2020 in the University of Thessaly, School of Agricultural sciences, Department of Agriculture Crop Production and Rural Environment as Assistant Professor of Cellular and Molecular Biology. His scientific interests focus on understanding the cellular and molecular mechanisms of stress tolerance, using omics approaches. Plant Breeding through conventional and biotechnological methods moreover he utilizes novel methodologies like genetics and genomics and other “omics” technologies. He is working on the development of higher yielding plants, plants with increased tolerance to biotic and abiotic stresses. Moreover, he is very interested in developing plant systems for the production of high added value products in plants. In this respect Dr. Madesis is interested in the influence of plants in human health and the production or development of foods and plants that will contribute in good human health. In addition, Dr. Madesis is working on plant genotyping and biodiversity assessment through plant species identification, these studies have allowed him to develop a novel methodology for plant species identification, including the important designation of origin

products (PDO) “Fava Santorinis”, Prespes beans, or species identification in commercial products like Feta cheese, olive oil etc and also the traceability and detection of possible fraud in commercial products. For this activity, in 2013 was bestowed a distinction by the Ministry of Rural Development and the President of the Hellenic Republic. He is an expert in the field of food fraud detection and identification and adulteration detection. He is member of the Genetically Modified Organisms committee of the Ministry of Agricultural development. He teaches in the Master course in the Agricultural University of Athens. He has authored or co-authored more than 130 scientific papers, 10 book chapters with a total of more than 2200 citations. He has also been invited as a keynote speaker at many national and international workshops and conferences. He is a member of the a) Marie Curie Fellows Association (MCFA), b) the Greek Society of Biological Sciences c) the Geotechnical Chamber of Greece d) the Greek Scientific Society of Plant Breeding where from 2012 he serves as member of the Board. He also holds the position of president of the Association of researchers at CERTH.

Positions and Honors

03/06/2020 today Assistant Professor University of Thessaly, School of Agricultural Sciences, Department of Agriculture Crop Production and Rural Environment. Cellular and Molecular Biology

02/06/2020 Collaborating Researcher at the Institute of Applied Biosciences CERTH

2015 today Visiting Professor in Chiang Mai University 2015- today

01/01/2017 to 02/06/2020 Researcher (B΄ grade) at the Institute of Applied Biosciences CERTH «The applications of modern genetics, genomics, proteomics and metabolomics in the production and control of food, high added value products and organisms and molecular diagostics. »

01/01/2012 to 30/12/2016 Researcher (C΄ grade) at the Institute of Applied Biosciences CERTH «The applications of modern genetics, genomics, proteomics and metabolomics in the production and control of food, high added value products and organisms and molecular diagostics. ».

01/10/2008 έως 30/11/2011 Researcher (D΄ grade) at the Institute of Applied Biosciences CERTH «The applications of modern genetics, genomics, proteomics and metabolomics in the production and control of food, high added value products and organisms and molecular diagnostics. ».

26/02/2007-30/09/2008 Postdoctoral Research Associate, Faculty of Life Sciences, The University of Manchester. BBSRC grant: “A genomic-based analysis of chloroplast replication/recombination/repair pathways using RNAi, proteomics and transplastomic plants (BB/E02445/1).”

26/02/2004-31/07/2007 Postdoctoral Research Associate, Faculty of Life Sciences, The University of Manchester. Supported by EU FP6. “Plastomics-a technology for improving human health”

2001-2004 Agricultural and financial projects. My role was to develop Agricultural and Financial knowledge to improve EU funding to local farmers

09/01/2002 – 31/06/02 Biology teacher in private school

Aristoteleio University of Thessaloniki (A.U.TH.), Faculty of Agriculture, Department of Plant cultivation, Laboratory of genetics and plant breeding.

02/2000- 01/01“Molecular and biotechnological approaches for improving *Cistus creticus spp.*

05/1999-07/99 & 12/1999-01/2000 “HCV CORE gene expression in transgenic plants”

08/99-11/99 “Comparative sequence analyses of crop genes”

MAICH- Mediterranean Agronomic Institute of Chania, Crete

18/07/94- 12/8/94. Placement in olive crop production and forestry department. Management of olive groves, landscape and pests.

COMPETITIVE SCHOLARSHIPS AWARDED

Marie Curie PhD Fellowship 11/11/2002 – 10/11/2003.

IKY (State Scholarships Foundation) scholarship for Masters of Science and PhD 1997- 2002

Awards

Ministry of Rural Development

Distinction bestowed by the President of the Hellenic Republic

Christidis Award for the best presentation in the 15th Greek conference of Plant Breeding and Genetics Society

Papadakis Award for the best poster in the 16th Greek conference of Plant Breeding and Genetics Society

C. Contributions to Science

1. Zambounis A., Ganopoulos I., Aravanopoulos F., Hilioti Z., Madesis P., Molassiotis A., Tsaftaris A., Xanthopoulou A. Genomics Opportunities and Breeding Strategies Towards Improvement of Climate-Smart Traits and Disease Resistance Against Pathogens in Sweet Cherry}, in Genomic Designing of Climate-Smart Fruit Crops 2020, 385—404 pub Springer, Cham
2. Stavridou E., Lagiotis G., Karapetsi L., Osathanunkul M., Madesis P. DNA Fingerprinting and Species Identification Uncovers the Genetic Diversity of Katsouni Pea in the Greek Islands Amorgos and Schinoussa Plants 2020 9, 479
3. Xanthopoulou A., Manioudaki M., Bazakos Ch., Kissoudis Ch., Farsakoglou A., Karagiannis E.,Michailidis M., Polychroniadou Ch., Zambounis A., Kazantzis K. Whole genome re-sequencing of sweet cherry (Prunus avium L.) yields insights into genomic diversity of a fruit species Horticulture Research 2020 7 1-14
4. Syropoulou F., Parlapani F., Bosmali I., Madesis P., Boziaris I. HRM and 16S rRNA gene sequencing reveal the cultivable microbiota of the European sea bass during ice storage International Journal of Food Microbiology 2020, 108658
5. Lagiotis G., Stavridou E., Bosmali I., Osathanunkul M., Haider N., Madesis P. Detection and quantification of cashew in commercial tea products using High Resolution Melting (HRM) analysis Journal of Food Science, 2020 https://doi.org/10.1111/1750-3841.15138
6. F.F. Parlapani, F. Syropoulou, A. Tsiartsafis, S. Ekonomou, P. Madesis, A. Exadactylos, I.S. Boziaris, HRM analysis as a tool to facilitate identification of bacteria from mussels during storage at 4 °C, Food Microbiology, V 85, 2020, 103304,
7. Aphrodite Tsaballa, Eirini Sarrou, Aliki Xanthopoulou, Eleni Tsaliki, Christos Kissoudis, Evangelos Karagiannis, Michail Michailidis, Stefan Martens, Elektra Sperdouli, Zoe Hilioti, Vasileios Fotopoulos, Irini Nianiou-Obeidat, Athanasios Tsaftaris, Panagiotis Madesis, Apostolos Kalivas, Ioannis Ganopoulos, Comprehensive approaches reveal key transcripts and metabolites highlighting metabolic diversity among three oriental tobacco varieties, Industrial Crops and Products, V 143, 2020, 111933,
8. Eleni M. Abraham,Ioannis Ganopoulos, Panagiotis Madesis, Athanasios Mavromatis, Photini Mylona, Irini Nianiou-Obeidat, Zoi Parissi, Alexios Polidoros, Eleni Tani, Dimitrios Vlachostergios The Use of Lupin as a Source of Protein in Animal Feeding: Genomic Tools and Breeding Approaches Int. J. Mol. Sci. 2019, 20(4), 851;
9. Xanthopoulou, A. and Ganopoulos, I. and Tryfinopoulou, P. and Panagou, E.Z. and Osanthanunkul, M. and Madesis, P. and Kizis, D. Rapid and accurate identification of black aspergilli from grapes using high-resolution melting (HRM) analysis Journal of the Science of Food and Agriculture 2019 99(1):309-314 IF 2.379
10. Chronopoulou, E.G. and Papageorgiou, A.C. and Ataya, F. and Nianiou-Obeidat, I. and Madesis, P. and Labrou, N.E. Expanding the plant GSTome through directed evolution: DNA shuffling for the generation of new synthetic enzymes with engineered catalytic and binding properties Frontiers in Plant Science 2018 article 1737, IF 3,677 Ετερ. 1
11. Osathanunkul, M. and Osathanunkul, K. and Wongwanakul, S. and Osathanunkul, R. and Madesis, P. Multiuse of Bar-HRM for *Ophiocordyceps sinensis* identification and authentication Scientific Reports 2018 8: 12770 IF 4,122
12. Ntoanidou, S. and Madesis, P. and Eleftherohorinos, I. Resistance of *Rapistrum rugosum* to tribenuron and imazamox due to Trp574 or Pro197 substitution in the acetolactate synthase Pesticide Biochemistry and Physiology 2018 in press IF 3,44
13. Karagiannis, E. and Michailidis, M. and Tanou, G. and Samiotaki, M. and Karamanoli, K. and Avramidou, E. and Ganopoulos, I. and Madesis, P. and Molassiotis, A. Ethylene –dependent and –independent superficial scald resistance mechanisms in 'Granny Smith' apple Scientific Reports 2018 8 article number 11436 IF 4,12, Ετε 1

14. Ganopoulos, I. and Tourvas, N. and Xanthopoulou, A. and Aravanopoulos, F.A. and Avramidou, E. and Zambounis, A. and Tsaftaris, A. and Madesis, P. and Sotiropoulos, T. and Koutinas, N. Phenotypic and molecular characterization of apple (Malus × domestica borkh) genetic resources in Greece .Scientia Agricola 2018 75: 509-518 IF 1,383
15. Ganopoulos, I. and Mylona, P. and Mellidou, I. and Kalivas, A. and Bosmali, I. and Kontzidou, S. and Osathanunkul, M. and Madesis, P. Microsatellite genotyping and molecular screening of pea (*Pisum sativum* L.) germplasm with high-resolution melting analysis for resistance to powdery mildew Plant Gene 2018 15: 1-5 IF 1,86
16. Ganopoulos, I. and Farsakoglou, A.-M. and Aravanopoulos, F. and Molassiotis, A. and Michailidis, M. and Malliarou, E. and Avramidou, E. and Tsaftaris, A. and Osanthanunkul, M. and Madesis, P. and Kazantzis, K. and Xanthopoulou, A. Towards sweet cherry (*Prunus avium* L.) breeding: phenotyping evaluation of newly developed hybrids Euphytica 2018 214: 2179-2 IF 1,546
17. Pratsinakis E., Ntoanidou M., Polidoros A., Dordas Ch., Madesis P., Eleftherohorinos I., MenexesG. Comparison of hierarchical clustering methods for binary data from molecular markers Int. J. of Data Analysis Techniques and Strategies,2018 in press
18. Xanthopoulou, A. and Tsaballa, A. and Ganopoulos, I. and Kapazoglou, A. and Avramidou, E. and Aravanopoulos, F.A. and Moysiadis, T. and Osathanunkul, M. and Tsaftaris, A. and Doulis, A.G. and Kalivas, A. and Sarrou, E. and Martens, S. and Nianiou-Obeidat, I. and Madesis, P. Intra-species grafting induces epigenetic and metabolic changes accompanied by alterations in fruit size and shape of *Cucurbita pepo* L. Plant Growth Regulation 2018 IF 2,081
19. Stavridou E., Michailidis M., Gedeon, Kostas S., Chronopoulou E., Edwards R., Day A., Labrou N.E., Nianiou I., P. Madesis Tolerance of transplastomic tobacco plants overexpressing a theta class glutathione transferase to abiotic and oxidative stresses 2019 Frontiers in Plant Science IF 3,677
20. Aliki Xanthopoulou, Christos Kissoudis, Ifigeneia Mellidou, Maria Manioudaki, Irene Bosmali, Vasilis Tsakonitis, Apostolos Kalivas, Maslin Osathanunkul, Athanasios Tsaftaris Ioannis Ganopoulos, Panagiotis Madesis Expanding Phaseolus coccineus genomic resources: De novo transcriptome assembly of landraces 'Gigantes' and 'Elephantes' reveals rich functional variation'', 2019 Biochemical Genetics
21. Papaioanou. M, Chronopoulou. G E, Ciobotari. G, Efrose. C R, Sfichi-Duke. L, Chatzikonstantinou. M, Pappa. E, Ganopoulos. I, Madesis. P, Nianiou-Obeidat. I et al: Cosmeceutical Properties of Two Cultivars of Red Raspberry Grown under Different Conditions. Cosmetics 2018, 5(1):1-20.
22. Osathanunkul M, Osathanunkul R, Madesis P: Species identification approach for both raw materials and end products of herbal supplements from Tinospora species. BMC complementary and alternative medicine 2018, 18(1):111.
23. Abraham. M E, Aftzalanidou. A, Ganopoulos. I, Osathanunkul. M, Xanthopoulou. A, Avramidou. E, Sarrou. E, Aravanopoulos. F, Madesis. P: Genetic diversity of Thymus sibthorpii Bentham in mountainous natural grasslands of Northern Greece as related to local factors and plant community structure. Industrial Crops and Products 2018, 111:651-659.
24. Zambounis A, Avramidou E, Papadima A, Tsaftaris A, Arzimanoglou I, Barbas E, Madesis P, Aravanopoulos FA: Adaptive response of Pinus monticola driven by positive selection upon resistance gene analogs (RGAs) of the TIR-NBS-LRR subfamily. iForest-Biogeosciences and Forestry 2017, 10(1):237.
25. Xanthopoulou A, Ganopoulos I, Psomopoulos F, Manioudaki M, Moysiadis T, Kapazoglou A, Osathanunkul M, Michailidou S, Kalivas A, Tsaftaris A et al: De novo comparative transcriptome analysis of genes involved in fruit morphology of pumpkin cultivars with extreme size difference and development of EST-SSR markers. Gene 2017, 622:50-66.
26. Xanthopoulou A, Ganopoulos I, Psomopoulos F, Manioudaki M, Moysiadis T, Kapazoglou A, Osathanunkul M, Michailidou S, Kalivas A, Tsaftaris A: De novo comparative transcriptome analysis of genes involved in fruit

morphology of pumpkin cultivars with extreme size difference and development of EST-SSR markers. Gene 2017.
27. Tanou G, Minas IS, Scossa F, Belghazi M, Xanthopoulou A, Ganopoulos I, Madesis P, Fernie A, Molassiotis A: Exploring priming responses involved in peach fruit acclimation to cold stress. Scientific reports 2017, 7(1):11358.
28. Suesatpanit T, Osathanunkul K, Madesis P, Osathanunkul M: Should DNA sequence be incorporated with other taxonomical data for routine identifying of plant species? BMC complementary and alternative medicine 2017, 17(1):437.
29. Sarrou E, Ganopoulos I, Xanthopoulou A, Masuero D, Martens S, Madesis P, Mavromatis A, Chatzopoulou P: Genetic diversity and metabolic profile of Salvia officinalis populations: implications for advanced breeding strategies. Planta 2017, 246(2):201-215.
30. Papaioanou M, Chronopoulou EG, Ciobotari G, Efrose RC, Sfichi-Duke L, Chatzikonstantinou M, Pappa E, Ganopoulos I, Madesis P, Nianiou-Obeidat I et al: Evaluation of the Nutraceutical and Cosmeceutical Potential of Two Cultivars of Rubus fruticosus L. under Different Cultivation Conditions. Current pharmaceutical biotechnology 2017, 18(11):890-899.
31. Osathanunkul M, Ounjai S, Osathanunkul R, Madesis P: Evaluation of a DNA-based method for spice/herb authentication, so you do not have to worry about what is in your curry, buon appetito! PloS one 2017, 12(10):e0186283.
32. Osathanunkul M, Dheeranupattana S, Rotarayanont S, Sookkhee S, Osathanunkul K, Madesis P: Evaluation of suitable DNA regions for molecular identification of high value medicinal plants in genus Kaempferia. Nucleosides, nucleotides & nucleic acids 2017, 36(12):726-735.
33. Ntoanidou S, Madesis P, Diamantidis G, Eleftherohorinos I: Trp574 substitution in the acetolactate synthase of Sinapis arvensis confers cross-resistance to tribenuron and imazamox. Pesticide biochemistry and physiology 2017, 142:9-14.
34. Nianiou-Obeidat I, Madesis P, Kissoudis C, Voulgari G, Chronopoulou E, Tsaftaris A, Labrou NE: Plant glutathione transferase-mediated stress tolerance: functions and biotechnological applications. Plant Cell Rep 2017, 36(6):791-805.
35. Kalivas A, Ganopoulos I, Psomopoulos F, Grigoriadis I, Xanthopoulou A, Hatzigiannakis E, Osathanunkul M, Tsaftaris A, Madesis P: Comparative metagenomics reveals alterations in the soil bacterial community driven by N-fertilizer and Amino 16(R) application in lettuce. Genomics data 2017, 14:14-17.
36. GANOPOULOS I, KAPAZOGLOU A, BOSMALI I, XANTHOPOULOU A, NIANIOU I, TSAFTARIS A, MADESIS P: Application of the ITS2 Region for Barcoding Plants of the Genus Triticum L. and Aegilops L. 2017.
37. Cicero LL, Catara V, Strano C, Bella P, Madesis P, Piero AL: Over-expression of CsGSTU promotes tolerance to the herbicide alachlor and resistance to Pseudomonas syringae pv. tabaci in transgenic tobacco. Biologia Plantarum 2017:1-9.
38. Bosmali I, Ordoudi SA, Tsimidou MZ, Madesis P: Greek PDO saffron authentication studies using species specific molecular markers. Food Res Int 2017, 100(Pt 1):899-907.
39. Zambounis A, Xanthopoulou A, Madesis P, Tsaftaris A, Vannini A, Bruni N, Tomassini A, Chilosi G, Vettraino A: OF PHYTOPHTHORA CAMBIVORA ISOLATES. Journal of Plant Pathology 2016, 98(3):611-616.
40. Zambounis A, Xanthopoulou A, Karaoglanidis G, Tsaftaris A, Madesis P: A new accurate genotyping HRM method for Alternaria species related to fruit rot diseases of apple and pomegranate. International Journal of Phytopathology 2016, 4(3):159-165.
41. Zambounis A, Xanthopoulou A, Aravanopoulos FA, Tsaftaris B, Madesis P, Barbas E: First report of an arbuscular mycorrhizal fungus Funneliformis mosseae associated with Thuja plicata in an ectomycorrhizal forest in Greece. International Journal of Phytopathology 2016, 5(1).

42. Zambounis A, Samaras A, Xanthopoulou A, Osathanunkul M, Schena L, Tsaftaris A, Madesis P: Identification of Phytophthora Species by a High Resolution Melting Analysis: an Innovative Tool for Rapid Differentiation. Plant Protection Science 2016, 52(3).
43. Zambounis A, Psomopoulos FE, Ganopoulos I, Avramidou E, Aravanopoulos FA, Tsaftaris A, Madesis P: 'In silico'analysis of the LRR receptor-like serine threonine kinases subfamily in'Morus notabilis'. Plant Omics 2016, 9(5):319.
44. Zambounis A, Ganopoulos I, Kalivas A, Tsaftaris A, Madesis P: Identification and evidence of positive selection upon resistance gene analogs in cotton (Gossypium hirsutum L.). Physiology and molecular biology of plants : an international journal of functional plant biology 2016, 22(3):415-421.
45. Zambounis A, Ganopoulos I, Avramidou E, Aravanopoulos FA, Tsaftaris A, Madesis P: Evidence of extensive positive selection acting on cherry ('Prunus avium'L.) resistance gene analogs (RGAs). Australian Journal of Crop Science 2016, 10(9):1324.
46. Xanthopoulou A, Psomopoulos F, Ganopoulos I, Manioudaki M, Tsaftaris A, Nianiou-Obeidat I, Madesis P: De novo transcriptome assembly of two contrasting pumpkin cultivars. Genomics data 2016, 7:200-201.
47. Xanthopoulou A, Ganopoulos I, Kalivas A, Osathanunkul M, Chatzopoulou P, Tsaftaris A, Madesis P: Multiplex HRM analysis as a tool for rapid molecular authentication of nine herbal teas. Food Control 2016, 60:113-116.
48. Voulgari G, Madesis P, Lambrou N, Nianiou–Obeidat I: Overexpression of a Glutathione S-Transferase gene from P. vulgaris L. Improves salt stress Tolerance in Transgenic Tobacco Plants. 2016.
49. Samaras A, Madesis P, Karaoglanidis GS: Detection of sdhB Gene Mutations in SDHI-Resistant Isolates of Botrytis cinerea Using High Resolution Melting (HRM) Analysis. Frontiers in microbiology 2016, 7:1815.
50. Papavasileiou A, Madesis PB, Karaoglanidis GS: Identification and Differentiation of Monilinia Species Causing Brown Rot of Pome and Stone Fruit using High-Resolution Melting (HRM) Analysis. Phytopathology 2016, 106(9):1055-1064.
51. Osathanunkul M, Suwannapoom C, Osathanunkul K, Madesis P, de Boer H: Evaluation of DNA barcoding coupled high resolution melting for discrimination of closely related species in phytopharmaceuticals. Phytomedicine : international journal of phytotherapy and phytopharmacology 2016, 23(2):156-165.
52. Osathanunkul M, Suwannapoom C, Khamyong N, Pintakum D, Lamphun SN, Triwitayakorn K, Osathanunkul K, Madesis P: Hybrid analysis (barcode-high resolution melting) for authentication of Thai herbal products, Andrographis paniculata (Burm.f.) Wall.ex Nees. Pharmacognosy magazine 2016, 12(Suppl 1):S71-75.
53. Osathanunkul M, Madesis P, Ounjai S, Pumiputavon K, Somboonchai R, Lithanatudom P, Chaowasku T, Wipasa J, Suwannapoom C: Identification of Uvaria sp by barcoding coupled with high-resolution melting analysis (Bar-HRM). Genetics and molecular research : GMR 2016, 15(1).
54. Ntoanidou S, Madesis P, Diamantidis G, Eleftherohorinos I: Trp574 substitution in the acetolactate synthase of Sinapis arvensis confers cross-resistance to tribenuron and imazamox. Pesticide biochemistry and physiology 2016.
55. Ntoanidou S, Kaloumenos N, Diamantidis G, Madesis P, Eleftherohorinos I: Molecular basis of Cyperus difformis cross-resistance to ALS-inhibiting herbicides. Pesticide biochemistry and physiology 2016, 127:38-45.
56. Madesis P, Nianiou-Obeidat I, Labrou NE, Tsaftaris A: The Use of Highly Specific GSTs towards the Development of Stress Tolerant Transgenic Plants (pp. 263-274). 2016.
57. Krommydas KS, Tzikalios Z, Madesis P, Bletsos FA, Mavromatis A, Roupakias DG: Development and Fertility Restoration of CMS Eggplant Lines Carrying the Cytoplasm of Solanum violaceum. Journal of Agricultural Science 2016, 8(2):10.
58. Kissoudis C, Voulgari G, Flemetakis E, Labrou NE, Tsaftaris A, Madesis P, Nianiou-Obeidat I: Morphological, Physiological and Metabolomic Response of transgenic tobacco plants (N. tabacum L.) overexpressing GmGSTU4 under Drought Stress. 2016.

59. Kissoudis C, Benekos K, Voulgari G, Labrou NE, Madesis P, Nianiou-Obeidat I: Over-expression of a specific soybean GmGSTU4 isoenzyme improves chloroacetanilide herbicide tolerance of transgenic tobacco plants. 2016.
60. Kalivas A, Ganopoulos I, Bosmali I, Tsaliki E, Osathanunkul M, Xanthopoulou A, Moysiadis T, Avramidou E, Grigoriadis I, Zambounis A: Genetic Diversity and Structure of Tobacco in Greece on the Basis of Morphological and Microsatellite Markers. Crop Science 2016, 56(5):2652-2662.
61. Ganopoulos I, Xanthopoulou A, Konstantinou S, Karaoglanidis GS, Tsaliki E, Kalivas A, Madesis P: Fast and Accurate Screening of Solanum melongena with High-Resolution Melting Analysis for Resistance to Fusarium Wilt. International Journal of Vegetable Science 2016, 22(2):183-189.
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Tsaftaris A, Polidoros A, Karavangeli M, Nianiou-Obeidat I, Madesis P, Goudoula C: Transgenic crops: recent developments and prospects. In: Biological Resource Management Connecting Science and Policy. Springer,

Invited presentations to peer-reviewed, internationally established conferences and/or **international advanced schools** (if applicable);

- Turkey 2011 Madesis P, Ganopoulos I, Bosmali I, Tsaftaris A Barcode High Resolution Melting (Bar-HRM) analysis: Extending the DNA barcoding to detect, authenticate and quantitate of plants and their processed products
- 2017 National Congress GAIA, Thessaloniki
- Italy 2016 Catania 60th Annual Congress SIGA
- 2015, 2017 Presentation in Chiang Mai Thailand (as part of the adjunct professor contract)

5. Research expeditions that the applicant Principal Investigator has led (if applicable);

Slovakia Greece during a bilateral grand for the collection of grasses, 2012
Thailand with Prof M Osathanounkoul collection of plant species from the Chiang Mai rainforest (2017)

Organisation of international conferences in the field of the applicant (membership in the steering and/or organizing committee) (if applicable);

- XVII SOLANACEAE2020 **October 2-6, 2021**, PORTO PALACE, Thessaloniki, Greece
- INTERNATIONAL CONFERENCE AND EXHIBITION ON GENOME SCIENCE, Jan 29-31, 2018, Flamingo, Las Vegas , Nevada, USA
- 28th National Conference of the Horticulture society 2017
- Workshop Advances in molecular and phytochemical fingerprinting for traceability and authentication of saffron 14-15 May 2015

143. Berlin, Heidelberg; 2000: 187-203.

D. Additional Information

Member in

1. Marie Curie Fellows Association (MCFA)
2. Greek Plant Breeding and Genetics Society (member of the executive Board)
3. Greek Society for Biology research
4. Agriculture chamber
5. Greek Agriculture Network
6. European Netword for rural Development
7. ENRD Thematic group for smart and competitive rural development
8. Advisor for Ministry of Agriculture regarding the biotechnological products KYA 135086/31-1-2011,
9. Grape variety registration committee Ministry of Agriculture according to 94/12595/1-2-2012 Y.A as modified by 574/134449
10. Member of the editorial board in international journals
11. Reviewer of competitive grands applications

Reviewer

PLoS One	Plant Molecular Biology Reporter

GENE	SciencePG
Trends in Plant Science	International Journal of Molecular Science
Molecular Ecology	Journal of Food Research
Biodegradation	Food Chemistry
Plant Journal Studies	Scientific Reports
BMC genomics	Advances in Physical Sciences
Journal of Medicinal Food	Frontiers in plant science

Memebr of the editorial board

1. Agriculture
2. Journal of Biotechnology and Microbiology
3. Plant Journal Studies
4. International Journal of Clinical Nutrition & Dietetics
5. Journal of Food and Nutritional Science

Mentor

Dr. Maslin Osathanounkoul Ass Professor in Chiang Mai University, Faculty of Science, Department of Biology για το έργο με τίτλο "DNA databases (DNA barcoding) of Sea grasses found in Thailand".

Examples of leadership in industrial innovation or design (if applicable).

Collaboration with industrial partners for the development of novel varieties with desired characteristics (Missirian S.A Tobacco in leaves, Michailidis Tobacco S.A., ASFED PRESPON "PELEKANOS")

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List of funded projects as Coordinator and Partner (if applicable).

- Development of microalgae-based natural UV Sunscreens and Proteins as cosmeceuticals and nutraceuticals, Marie Curie RISE, **Coordinator** 2018-2022
- mast4trees GSRT founded, **Coordinator**, 2018-2021
- Contractual research founded by Missirian S.A Tobacco in leaves, Convectional breeding of east type tobacco varieties, **Coordinator** 2013-2020
- Med Food TTHubs, Prima **partner**, 2020-2022
- OLIVE ROAD national major project **Partner** 2019-2021
- Biodiversity, INTERREG V BALKAN MED, **Partner** 2017-2020
- AGRO-IDENTITY, INTERREG V GREECE CYPROUS, **Partner** 2017-2020
- Plant.ID Molecular Identification of Plants, Marie Curie ITN – ETN Horizon 20202, **Partner** 2018-2022
- FruitTrees2Safequard, GSRT founded **Partner** 2018-2021
- Legumes4Protein GSRT founded, **Partner** 2018-2021
- HOLEA, GSRT founded, **Partner** 2018-2021
- ΣΟΥΣΑΜΙ ΑΝΟΙΞΕ/ Τ2ΕΔΚ-02275 GSRT founded **subcontractor** 2020-2022
- GrEaTest-Beans GSRT founded **subcontractor** 2018-2021
- Services Plant and variety identification, food adulteration detection and authentication 2015 - ongoing

Finished

1. AgriGenoTrans, Agri-Genomics Transfer and Dissemination Between Greece & Bulgaria, Interreg Greece Bulgaria , **Coordinator**
2. Exploration of cultivated species gene pool for the advancement and improvement of important European crops agronomical characteristics Bilateral Greece Slovacia **Partner** 2011-2012,
3. Glutathione transports: molecular tools for the development of basic and applied research in the fields of green and red biotechnology, ΘΑΛΗΣ - Operational Program "EDUCATION AND LIFELONG LEARNING", **Partner**
4. DeCatBios , GSRT project, **Partner**

5. Contract research Michailidis Kapniki S.A tobacco breeding partner 2012-2014 Contract research
6. Missirian S.A Tobacco breeding **coordinator** 2013-2018
7. Contract Research Pelecanos Beans breeding **coordinator** 2016-2018