

CURRICULUM VITAE

Dr. Persefoni A. Maletsika
Assistant Professor in Pomology - Oliviculture

Dept. of Agriculture Crop Production and Rural Environment
School of Agricultural Sciences
University of Thessaly, Greece

December 2021

Persefoni A. Maletsika

1. PERSONAL DATA

Name: Persefoni
Surname: Maletsika
Place of birth: Larisa, Greece
Nationality: Greek
Marital Status: Married, two children

Current position: Assistant Professor in Pomology - Oliviculture
Laboratory of Pomology, Department of Agriculture Crop Production and Rural Environment, School of Agricultural Sciences, University of Thessaly, Greece.

Current Work address: Laboratory of Pomology, Department of Agriculture Crop Production and Rural Environment, School of Agricultural Sciences, University of Thessaly, Fitokou Str., GR-38446, New Ionia, Magnesia, Greece
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2. EDUCATION

Doctor of Philosophy in Agricultural Sciences, Department of Agriculture Crop Production and Rural Environment, School of Agricultural Sciences, University of Thessaly, Greece. July 2015.

Ph.D. thesis: Effect of polluting or not dust particles on fruit tree physiology, i.e. olive and peach, on fruit quality characteristics and leaf inorganic elements content.

Master of Science in Agricultural Engineering with emphasis in greenhouse crop physiology, Department of Agriculture Crop Production and Rural Environment, School of Agricultural Sciences, University of Thessaly, Greece. November 2004.

M.Sc. thesis: Effect of UV-B radiation on tomato fruit quality characteristics.

Bachelor in Agriculture / Joint Master of Science Degree, University of Thessaly, School of Agricultural Sciences, Greece. November 2002.

B.Sc. Thesis: Construction and calibration of an innovative psychrometer ASSMAN type.

3. INTERNSHIPS

Jan09 and Jan10: Technological Educational Institute of Crete, Greece, Department of Environmental and Natural Resources Engineering, Laboratory of Water & Soil Resources Quality Control. Training in methodology for inorganic element analysis in leaf tissues and soil.

4. LANGUAGE SKILLS

Greek: native language

English: excellent (First Certificate in English, University of Cambridge)

French: excellent (Diplôme d' études en langue française, D.E.L.F. 2nd degré, République Française, Ministère de l' Éducation Nationale).

5. PROFESSIONAL CERTIFICATIONS

5.1. 'Quality Systems in Agriculture according to AGRO 2.1 & 2.2 standards and Protocol EUREPGAP', EUROCERT Institute in cooperation with the Non-profit Company "TRIPTOLEMOS" of GEOTEE, Larissa, Greece, 6-8/7/2007.

5.2. Certificate of Pedagogical and Teaching Competence, one-year duration, General Department of Education, School of Pedagogical and Technological Education.

Thesis title: 'The experiment as teaching method'. Volos, Greece, 2015.

6. PROFESSIONAL MEMBERSHIPS

Member of the Geotechnical Chamber of Greece (GEOTEE).

7. COMPUTER SKILLS

International Computer Driving Licence (ICDL) certificate: excellent knowledge of use of MS Windows & Microsoft Office (Word-Excel-Power Point-Internet). Experience in the use of statistical analysis software (SPSS).

8. TEACHING EXPERIENCE

14/7/2021: elected Assistant Professor in the field of Pomology – Oliviculture at the Laboratory of Pomology, Department of Agriculture Crop Production and Rural Environment, School of Agricultural Sciences, University of Thessaly, Greece.

10/2021 – today: Teaching at the Department of Agriculture Crop Production and Rural Environment, University of Thessaly, the undergraduate courses:

- Oliviculture
- Pomology I (part-time)
- Specific Pomology (part-time)
- Organic Agriculture and Innovative Crop Production Systems

10/2021 – today: Joint Lectures at the Department of Agriculture Crop Production and Rural Environment, University of Thessaly, the postgraduate courses:

- Pomology and Environment
- Innovations in Pomology.

2/11/2017: Teaching as an invited speaker, at the Department of Agriculture Crop Production and Rural Environment, University of Thessaly, of the postgraduate course: Effect of abiotic and biotic environment on plant production.

February – June 2018: Teaching as lecturer with contract (University Teaching Assistantship), at the Department of Agriculture Crop Production and Rural Environment, University of Thessaly, the course: Ampelography.

March - June 2017: Teaching as lecturer with contract (ΠΔ 407/80 Teaching Assistantship), at the Department of Agriculture Crop Production and Rural Environment, University of Thessaly, the course: Ampelography.

2009 to 2015: Laboratory teaching assistant for Pomology (I and II). Department of Agriculture Crop Production and Rural Environment, School of Agricultural Sciences, University of Thessaly, Greece.

2005 to 2011: Teaching as lecturer with contract (teaching assistant), Technological Educational Institute of Thessaly, Greece, the courses:

- Storage of agricultural commodities.
- Strength and Properties of mechanical and biological materials.
- Machinery of initial processing of agricultural products.
- Mechanical handling of agricultural materials and products.

9. PARTICIPATION IN RESEARCH PROJECTS

5/10/21 – today: Participation, as a researcher, in the project entitled 'Integrated improvement of clingstone peach cultivation and fruit quality, by developing an innovative infrastructure of distributed field data collection and analysis' (project code: T1EDK-04591) co-financed by the European Regional Development Fund of European Union and Greek national funds through the Operational Program Competitiveness, Entrepreneurship and Innovation, under the call RESEARCH – CREATE – INNOVATE.

1/1/19 – 14/7/21: Participation, as a post-doc researcher, in the project entitled 'Implementation of rational irrigation and fertilization using innovative agricultural precision technologies' (project code: T1EDK-03793) co-financed by the European Regional Development Fund of European Union and Greek national funds through the Operational Program Competitiveness, Entrepreneurship and Innovation, under the call RESEARCH – CREATE – INNOVATE.

Sept 2014 - Jan 2015: Participation, as a researcher, in the project 'Open Courses of University of Thessaly' under the operational program 'Education and Lifelong Learning' (European-funded program 2007-2013). Laboratory of Pomology, School of Agricultural Sciences, University of Thessaly, Greece.

16/5/13 – 15/5/14: Participation, as a researcher, in the project 'The use of ozone as a mean of post-harvest fruit and vegetable products management' under the European Program 'Thales'. Laboratory of Pomology, School of Agricultural Sciences, University of Thessaly, Greece.

10. WORK EXPERIENCE

14/7/2021 - today: Assistant Professor in the field of Pomology – Oliviculture at the Laboratory of Pomology, Department of Agriculture Crop Production and Rural Environment, School of Agricultural Sciences, University of Thessaly, Greece.

January 2016 – June 2016: Agronomist at the Ministry of Agriculture, Regional office of Volos, Greece. Responsibilities:

- Sector of Apiculture. Organization and information of the registry of apiarists.
- Guidance for the integration of young apiarists to the apiculture.

Agronomist at the Greek Organization of Agricultural Insurances, Greece

November 2008 – July 2009: Regional office of Patra

August 2005 – August 2006: Regional office of Larisa

September 2004 – May 2005: Regional office of Lamia

Responsibilities:

- Estimation of production losses from various environmental causes.
- Administrative control of applications for grant proposals of financial assistance by co-funded programs (national and community participation).

Agronomist at the Payment and Control Agency for European Community, Guidance and Guarantee Community Aid, Greece

September 2007 – May 2008: Regional office of Larisa

June 2003 – February 2004: Regional office of Larisa

Responsibilities:

- Work on the management of European Community financial aid for the agricultural sector.
- Spot checks on farms.

February 2006 – October 2007: Company Agricon O.E.

Agricultural Consultants - Energy Crops

Agronomist – External collaborator

Responsibilities:

- Monitoring and recording of evolutionary stages of energy crops, and especially of *Cynara cardunculus*.
- Elaboration of studies on organic farming and nitrate pollution reduction from agricultural sources.

11. PUBLISHED WORK

11.1. BSc Thesis

Maletsika P. (2002). Construction and calibration of an innovative psychrometer ASSMAN type. University of Thessaly, Greece.

11.2. MSc Thesis

Maletsika P. (2004). Effect of UV-B radiation on tomato fruit quality characteristics. University of Thessaly, Greece.

11.3. Thesis Title in Pedagogical:

Maletsika P. (2015). The experiment as teaching method. General Department of Education, School of Pedagogical and Technological Education, Greece.

11.4. Ph.D Thesis

Maletsika P. (2015). Effect of polluting or not dust particles on fruit tree physiology, i.e. olive and peach, on fruit quality characteristics and leaf inorganic elements content. University of Thessaly, Greece.

11.5. ARTICLES PUBLISHED IN INTERNATIONAL JOURNALS

11.5.1. Papaioannou Ch., Katsoulas N., **Maletsika P.**, Siomos A. and Kittas C. (2012). Effects of a UV-absorbing greenhouse covering film on tomato yield and quality. *Spanish Journal of Agricultural Research*, 10(4):959-966. DOI: 10.5424/sjar/2012104-2899.

11.5.2. **Maletsika P.A.** and Nanos G.D. (2015). Leaf and fruit responses to kaolin particle film applied onto mature olive trees. *Journal of Biology, Agriculture and Healthcare*, 5(7):17-27. ISSN 2224-3208.

11.5.3. **Maletsika P.A.**, Nanos G.D. and Stavroulakis G.G. (2015). Peach leaf responses to soil and cement dust pollution. *Environmental Science and Pollution Research*, 22(20):15952-15960. DOI: 10.1007/s11356-015-4821-z. Epub 2015 Jun 10.

11.5.4. **Maletsika P.A.** and Nanos G.D. (2020). Comparative impact of dusts on peach and olive leaf functions under Mediterranean dry climatic conditions. *SSRG International Journal of Agriculture & Environmental Science*, 7(3):24-37. ISSN: 2394 – 2568.

11.5.5. **Maletsika P.A.**, Georgoudaki T.A. and Nanos G.D. (2020). Cold storage temperature and 1-MCP postharvest treatment on ‘Starking Delicious’ apple quality. *SSRG International Journal of Agriculture & Environmental Science*, 7(3):64-70. ISSN: 2394 – 2568.

11.6. ARTICLES IN OTHER INTERNATIONAL PUBLICATIONS

11.6.1. **Maletsika P.A.** and Nanos G.D. (2011). Effects of particulate matter contamination on apple, peach and olive tree leaf characteristics and olive leaf inorganic element composition. The Annals of “Valahia”, University of Targoviste, p. 9-14.

11.7. RESEARCH PAPERS PUBLISHED IN INTERNATIONAL CONFERENCE PROCEEDINGS WITH REVIEWERS

- 11.7.1 Maletsika P.**, Papaflippaki A., Nanos G.D. and Stavroulakis G.G. (2011). Particulate matter pollution effects on the inorganic constituents of fresh and processed table olives. Proc. 4th Int. Conf. OliveBioTeq 2011 (Ed. K.S. Chartzoulakis), Vol. II, p. 48-486.
- 11.7.2 Maletsika P.A.** and Nanos G.D. (2013). Effects of particulate matter contamination on peach leaf physiological functions. *Acta Horticulturae*, 981:643-650. DOI: 10.17660/ActaHortic.2013.981.103.
- 11.7.3 Maletsika P.A.**, Stavroulakis G.G. and Nanos G.D. (2015). Kaolin effect on fresh and canned clingstone peach fruit quality and inorganic element composition. *Acta Horticulturae*, 1084:321-326. DOI: 10.17660/ActaHortic.2015.1084.45.
- 11.7.4 Maletsika P.A.** and Nanos G.D. (2015). Kaolin particle film on peach leaf physiology. *Acta Horticulturae*, 1084:327-324. DOI: 10.17660/ActaHortic.2015.1084.46.
- 11.7.5 Maletsika P.**, Nanos G.D., Papoulia I., Vasilakakis M. (2015). The effect of postharvest application of O₃ and 1-MCP on 'Red Chief' apple during prolonged air cold storage. *Acta Horticulturae*, 1079:429-434. DOI: 10.17660/ActaHortic.2015.1079.55.
- 11.7.6 Maletsika P.**, Grigoriadou K., Melitzanas E., Georgoudaki T. and Nanos G.D. (2021). Foliar calcium applications and maturity on clones of 'Lemonato' peach fruit quality and bruising severity. *Acta Horticulturae*, 1327:695-702. DOI: 10.17660/ActaHortic.2021.1327.92.
- 11.7.7 Nanos G.D.**, Georgoudaki T., Visvikis V., **Maletsika P.** and Panagiotaki E. (2021). Alternative practices to improve cv. Firiki apple cultivation. *Acta Horticulturae*, 1327:295-302. DOI: 10.17660/ActaHortic.2021.1327.39.

11.8 RESEARCH PAPERS PUBLISHED IN NATIONAL CONFERENCE PROCEEDINGS WITH REVIEWERS (IN GREEK)

- 11.8.1 Maletsika P.**, Papaioannou Ch., Siomos A. and Kittas C. 2005. Effect of UV-radiation on tomato yield and fruit quality. Proceedings of 4th National Conference of Agricultural Engineering, Agricultural University of Athens, Greece, p. 65-70.
- Maletsika P.**, Papagianni E. And Nanos G.D. 2012. Effect of polluting dust particles on olive leaves photosynthetic function. Proceedings of 25th Conference of Greek Society for Horticultural Science, Lemesos, Cyprus, November 2011, 15(A):117-119.
- 11.8.2 Maletsika P.**, Katsoulas N. and Nanos G.D. 2013. Effect of inert dusts pollution on leaf available solar radiation and temperature in peach. Proceedings of 8th National Conference of Agricultural Engineering, School of Agricultural Sciences, University of Thessaly, Volos, Greece, p. 353-358.
- 11.8.3 Maletsika P.** and Nanos G.D. 2015. Effect of storage temperature on Starking Delicious fruit quality after postharvest application of 1-MCP. Proceedings of 26th Conference of Greek Society for Horticultural Science, Kalamata, Greece, October 2013, 16(A):288-291.
- 11.8.4 Maletsika P.**, Pappas A., Georgoudaki T., Panagiotaki E., Tomara N. and Nanos G.D. 2019. Effect of alternative liquid organic fertilizers on berries quality of the cv 'Crimson Seedless'. Proceedings of 29th Conference of Greek Society for Horticultural Science, Patra, Greece, October 2019 (in press).
- 11.8.5 Maletsika P.**, Georgoudaki T., Panagiotaki E., Tomara N., Traios A. and Nanos G.D. 2019. Effect of postharvest application of biostimulants on cherry fruit quality and storage (cvs 'Ferrovia', 'Lapins'). Proceedings of 29th Conference of Greek Society for Horticultural Science, Patra, Greece, October 2019 (in press).

12. INVITED SPEAKER

- 12.1. Maletsika P.** (2019). Lecture with the title: «Dusts: polluting and beneficial». 2nd Panhellenic Student Conference of Agricultural Sciences (IAAS) on the subject «18 hours of Sustain-ABLE Agriculture», Thessaloniki, 9-10 November 2019.
- 12.2. Maletsika P.** (2021). Lecture with the title: «Fruit trees (apple) – Organic farming and agro-ecological practices for the confrontation of climate change». Aigilopas – Network for biodiversity and ecology in agriculture. Webinar on 'Agro-ecological systems of food production. Tolerance to climate change'. A' Cycle: November - December 2021, 9 November 2021.

13. WORKSHOPS

- 13.1. Maletsika P.** 2019. Lecture with the title: «Cement and kaolin on olive tree: two dusts, two actions». Workshop on the subject: «The olive and the olive oil, modern approaches», Volos, 30 March 2019.