

Europass Curriculum Vitae

Personal information



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| First name(s) / Surname(s) | Nikolaos Katsoulas |
| Address | University of Thessaly, Sch. of Agricultural Sciences, Dept. of Agriculture, Crop Production & Rural Env, Fytokou St, GR-38446, N. Ionia-Volos (Greece) |
| Telephone(s) | +30241093249 |
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| E-mail(s) | nkatsoul@uth.gr |
| Nationality | Greek |
| Gender | Male |

Work experience

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| Dates | 09/2005 → |
| Occupation or position held | Higher education teaching professional |
| Main activities and responsibilities | Research/Teaching (Lecturer) |
| Name and address of employer | University of Thessaly Fytokou Str, 38446 N. Ionia -Volos (Greece) |
| Type of business or sector | Education |
| Dates | 09/2003 - 01/2006 |
| Occupation or position held | College / university teaching professional |
| Main activities and responsibilities | Teaching (Temporary Lecturer) |
| Name and address of employer | Technological Education Institute of Larissa, Dept. of Agricultural Machinery and Irrigation , Larissa (Greece) |
| Type of business or sector | Education |
| Dates | 09/2004 - 02/2005 |
| Occupation or position held | College / university teaching professional |
| Main activities and responsibilities | Research/Teaching |
| Name and address of employer | University of Thessaly Fytokou Str, 38446 N. Ionia -Volos (Greece) |
| Type of business or sector | Education |
| Dates | 09/1997 - 12/2003 |
| Occupation or position held | Research |
| Main activities and responsibilities | Greenhouse constructions, microclimate, materials and equipment |
| Name and address of employer | University of Thessaly Fytokou Str, 38446 N. Ionia -Volos (Greece) |
| Type of business or sector | Education |

Education and training

Dates 02/2004 - 02/2005
 Title of qualification awarded Post Doctorate in Greenhouse environment
 Principal subjects / occupational skills covered Tracing of pesticides in the greenhouse environment
 Name and type of organisation providing education and training University of Thessaly (University)
 Fytokou Str, 38446 N. Ionia -Volos (Greece)
 Level in national or international classification ISCED 6

Dates 09/1998 - 05/2002
 Title of qualification awarded Ph D in Agricultural Sciences
 Principal subjects / occupational skills covered Agricultural Constructions - Greenhouse environment
 Name and type of organisation providing education and training University of Thessaly (University)
 Fytokou Str, 38446 N. Ionia -Volos (Greece)
 Level in national or international classification ISCED 6

Dates 09/1992 - 11/1997
 Title of qualification awarded Diploma in Agronomy
 Principal subjects / occupational skills covered Agriculture Crop and Animal Production
 Name and type of organisation providing education and training University of Thessaly (University)
 Fytokou Str, 38446 N. Ionia -Volos (Greece)
 Level in national or international classification ISCED 4

Personal skills and competences

Mother tongue(s) Greek

Other language(s)

Self-assessment
 European level (*)
 English

| Understanding | | | | Speaking | | | | Writing | |
|---------------|-----------------|---------|-----------------|--------------------|-----------------|-------------------|-----------------|---------|-----------------|
| Listening | | Reading | | Spoken interaction | | Spoken production | | | |
| C1 | Proficient user | C1 | Proficient user | C1 | Proficient user | C1 | Proficient user | C1 | Proficient user |

(*) [Common European Framework of Reference \(CEF\) level](http://europa.europa.eu/education/cefr/)

Social skills and competences Team spirit;
 Good ability to adapt to different environments, Good communication skills gained through my teaching experience

Organisational skills and competences Coordination and administration of people, projects and budgets at work. Good experience in projects management, good experience in research organization and management.

Technical skills and competences Master skills in greenhouse management concerning engineering and technical subjects.
 Very good technical skills in agricultural constructions, greenhouse climate control, energy saving and greenhouse equipment

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| Computer skills and competences | European computer driving license |
| Other skills and competences | <p>Member of the Hellenic Union of Agricultural Engineers (HelAgEng).</p> <p>Member of the European Union of Agricultural Engineers (EurAgEng).</p> <p>Member of the Greek Union for Water Reassures Management (GUWRM).</p> <p>Member of the Geotechnical Scientific Committee of Greece (GSCG).</p> <p>Member of the International Society of Horticultural Sciences (ISHS)</p> |
| Driving licence(s) | A, B |
| Additional information | <p>Research experience: Participation as researcher in 17 research projects related to the control of the greenhouse climate, funded by the Research Committee of the University of Thessaly, the General Secretariat for Research and Techn. Development of Greece and the European Union.</p> <p>Published work: Diploma and PhD Thesis, eighteen (18) research papers published in peer reviewed Journals, one (1) research paper under review in peer reviewed Journals, thirty(30) research papers published in proceedings of International Conferences, sixteen (16) research papers published in Proceedings of National Greek Conferences.</p> <p>Reviewer of 'Biosystems Engineering', 'Agricultural Water Management', 'Transactions of The ASABE' and of 'Agricultural and Forest Meteorology' Journals</p> |
| Annexes | <p>1) List of Publications</p> <p>2) List of research projects</p> |

Annex 1: List of Publications

1. Thesis

- 1.1. Katsoulas N., 1997. Experimental determination of the greenhouse overall heat loss coefficient in a PE covered greenhouse. Diploma Thesis, University of Thessaly, 70 pp.
- 1.2. Katsoulas N., 2002. Influence of environmental variables on greenhouse rose crop transpiration. PhD Thesis, University of Thessaly, 244 pp.

2. Papers published in Peer Reviewed Journals

- 2.1. Katsoulas, N., Baille, A., Kittas, C., 2001. Effect of air misting on transpiration and bulk conductances of a greenhouse rose canopy. *Agricultural and Forest Meteorology*, 106(3): 233-247.
- 2.2. Baille, A., Kittas, C., Katsoulas, N., 2001. Influence of whitening on greenhouse microclimate and crop energy partitioning. *Agricultural and Forest Meteorology*, 107(4): 293-306.
- 2.3. Kittas, C., Katsoulas, N., Baille, A., 2001. Influence of greenhouse ventilation regime on microclimate and energy partitioning of a rose canopy during summer conditions. *Journal of Agricultural Engineering Research*, 79(3): 349-360.
- 2.4. Katsoulas, N., Baille, A., Kittas, C., 2002. Influence of leaf area index on canopy energy partitioning and greenhouse cooling requirements. *Biosystems Engineering*, 83(3): 349-359.
- 2.5. Kittas, C., Boulard, T., Bartzanas, T., Katsoulas, N., Mermier, M., 2002. Influence of an insect screen on greenhouse ventilation. *Transactions of the ASAE*, 45(4): 1083-1090.
- 2.6. Kittas, C., Katsoulas, N., Baille, A., 2003. Influence of an aluminised thermal screen on greenhouse microclimate and canopy energy balance. *Transactions of the ASAE*, 46(6): 1653-1663.
- 2.7. Kittas, C., Karamanis, M., Katsoulas, N., 2005. Air temperature regime in a forced ventilated greenhouse with a rose crop. *Energy and Buildings*, 37: 807-812.
- 2.8. Bartzanas, T., Katsoulas, N., Kittas, C., Boulard, T., Mermier, M., 2005. The effect of vent configuration and insect screen on greenhouse microclimate. *International Journal of Ventilation*, 4(3): 193-202.
- 2.9. Katsoulas, N., Kittas, C., Dimokas, G., Lykas, Ch., 2006. Effect of irrigation frequency on rose flower production and quality. *Biosystems Engineering*, 93(2): 237-244.
- 2.10. Katsoulas, N., Bartzanas, T., Boulard, T., Mermier, M., Kittas, C., 2006. Effect of vent openings and insect screens on greenhouse ventilation. *Biosystems Engineering*, 93(4): 427-436.
- 2.11. Lykas, C., Katsoulas, N., Giaglaras, P., Kittas, C., 2006. EC and pH prediction in a recirculated nutrient solution of a greenhouse soilless rose crop. *Journal of Plant Nutrition*, 29: 1585-1599.
- 2.12. Kittas, C., Tchamitchian, M., Katsoulas, N., Karaïskou, P., Papaïoannou, Ch., 2006. Effect of two new UV-absorbing greenhouse-covering films on growth and yield of an eggplant soilless crop. *Scientia Horticulturae*, 110(1): 30-37.
- 2.13. Katsoulas, N., Baille, A., Kittas, C., 2007. Leaf boundary layer conductance in ventilated greenhouses. An experimental approach. *Agricultural and Forest Meteorology* 144: 180-192
- 2.14. Savvas, D., Stamati, E., Tsirogiannis, I. L., Mantzos, N., Barouchas, P. E., Katsoulas, N., Kittas, C., 2007. Interactions between salinity and irrigation frequency in greenhouse pepper grown in a closed-loop hydroponic system. *Agricultural Water Management*, 91: 102-111.
- 2.15. Katsoulas, N., Kittas, C., Tsirogiannis, I. L., Kitta, E., Savvas D., 2007. Greenhouse microclimate and soilless pepper crop production and quality as affected by a fog evaporative cooling system. *Transactions of the ASABE*, 50(5): 1831-1840
- 2.16. Lykas Ch., Papafotiou M., Katsoulas N., Kittas C., 2008. Gardenia jasminoides height control using a photosensitive polyethylene film. *HortScience*, 43(7): 2027-2033.
- 2.17. Kittas C., Katsoulas N., Bartzanas T., Mermier M., Boulard T., 2009. Greenhouse microclimate distribution under insect screens and different ventilation openings. *Transactions of the ASABE*, 51(6): 2151-2165.
- 2.18. Katsoulas N., Kittas C., 2008. Impact of greenhouse microclimate on plant growth and development with special reference to the Solanaceae. In: Passam H. (Ed) *The fruiting species of the Solanaceae. The European Journal of Plant Science and Biotechnology* 2 (Special Issue 1), 31-44.

3. Papers published in Proceedings of International Conferences

- 3.1. Kittas, C., Katsoulas, N., Baille, A., 1999. Transpiration and canopy resistance of greenhouse soilless roses in Greece. Measurements and modeling. *Acta Horticulturae*, 507: 61-68.
- 3.2. Katsoulas, N., Kittas, C., Baille, A., 1999. Estimating transpiration rate and canopy resistance of a rose crop in a fan-ventilated greenhouse. *Acta Horticulturae*, 548: 303-309.
- 3.3. Kittas, C., Baille, A., Katsoulas, N., 1999. Influence of misting on the diurnal hysteresis of canopy transpiration rate and conductance in a rose greenhouse. *Acta Horticulturae*, 534: 185-193.
- 3.4. Kittas, C., Baille, A., Katsoulas, N., 2001. Transpiration and energy balance of a greenhouse rose crop in Mediterranean summer conditions. *Acta Horticulturae*, 559(1): 395-400.
- 3.5. Kittas, C., Katsoulas, N., Baille, A., 2002. Influence of aluminised thermal screens on greenhouse microclimate and night transpiration. *Acta Horticulturae*, 614(1): 387-392.
- 3.6. Lykas, C., Katsoulas, N., Kittas, C., 2004. EC and pH prediction in a recirculated nutrient solution of a greenhouse soilless rose crop. Measurements and modeling. International Symposium of the CIGR in New trends in Farm buildings. May 2-6, 2004, Evora, Portugal.
- 3.7. Kittas, C., Papaioanou, C., Obeid, D., Katsoulas, N., Tchamitchian, M., 2004. Effect of two new UV-absorbing greenhouse covering films on growth and yield of a tomato soilless crop. International Symposium of the CIGR in New trends in Farm buildings. May 2-6, 2004, Evora, Portugal.
- 3.8. Karydakis, G., Kolios, N., Andritsos, N., Katsoulas, N., 2004. Separation of CO₂ from low-enthalpy geothermal fields and its use in Greenhouses. International Conference on Geothermal Energy Applications in Agriculture. May 3-4, 2004, Athens Greece.
- 3.9. Kittas, C., Katsoulas, N., Tchamitchian, M., 2004. Greenhouse soilless rose crop transpiration. Application for accurate irrigation control. Protection and restoration of the environment VII. June 28–July 1, 2004. Mykonos, Greece.
- 3.10. Kittas, C., Dimokas, G., Lykas, C., Katsoulas, N., 2004. Effect of two irrigation frequencies on rose flower production and quality. International Symposium on Sustainable Greenhouse Systems, GreenSys. September 12-16, 2004, Leuven, Belgium.
- 3.11. Baille, A., Kittas, C., Katsoulas, N., 2004. Crop-climate coupling mechanisms in greenhouses. Characterization and analysis. International Symposium on Sustainable Greenhouse Systems, GreenSys. September 12-16 2004, Leuven, Belgium.
- 3.12. Kittas, C., Katsoulas, N., Baille, A., 2004. Use of artificial leaves for aerodynamic conductance monitoring in greenhouses. International Symposium on Sustainable Greenhouse Systems, GreenSys. September 12-16, 2004, Leuven, Belgium.
- 3.13. Kittas, C., Katsoulas, N., Bartzanas, T., Boulard, T., Mermier, M., 2005. Effect of Vents' Opening and Insect Screen on Greenhouse Ventilation. Proceedings of the 1st International Conference on Passive and Low Energy Cooling for the Built Environment, I: 59-64.
- 3.14. Bartzanas, T., Katsoulas, N., Kittas, C., Boulard, T., Mermier, M., 2005. Effect of Vents' Configuration and Insect Screen on Greenhouse Microclimate. Proceedings of the 1st International Conference on Passive and Low Energy Cooling for the Built Environment, II: 1003-1008.
- 3.15. Bartzanas, T., Katsoulas, N., Kittas, C., 2005. Analysis of ventilation performance of a tunnel greenhouse using computational fluid dynamics tools. Proceedings of the International Conference on The integration of the renewable energy systems into the building structures, I: 29-34.
- 3.16. Kittas, C., Katsoulas, N., Baille, A., 2005. Influence of crop leaf area index on greenhouse passive cooling. Proceedings of the International Conference on The integration of the renewable energy systems into the building structures, I: 179-185.
- 3.17. Katsoulas, N., Tsirogiannis, I.L., Kittas, E., Stamati, E., Savvas, D., Kittas, C., 2006. Greenhouse Cooling by a Fog System: Effects on Microclimate and on Production and Quality of a Soilless Pepper Crop. International Symposium on Greenhouse Cooling: methods, techniques and plant response, 24-27 April 2006, Almeria, Spain.
- 3.18. Kittas, C., Katsoulas, N., Bartzanas, T., Boulard, T., Mermier, M., 2006. Effect of Vents' Openings and Insect Screen on Greenhouse Microclimate Distribution. International Symposium on Greenhouse Cooling: methods, techniques and plant response, 24-27 April 2006, Almeria, Spain.

- 3.19. Kittas, C., Bartzanas, T., Katsoulas, N., Sapounas, A., 2006. Measurements and Modelling of a Tracer Gas Distribution in a Naturally Ventilated Greenhouse for Pesticides Dispersion Determination. International Symposium on Greenhouse Cooling: methods, techniques and plant response, 24-27 April 2006, Almeria, Spain.
 - 3.20. Bartzanas, Th. Kittas, C. Katsoulas, N. Sapounas, A., 2005. Emission and Dispersion of Pesticides from a Naturally Ventilated Greenhouse: a CFD approach. International Symposium on Models in Protected, October 29 - November 2, 2006 Cultivation Wageningen, The Netherlands.
 - 3.21. Ch. Lykas, N. Katsoulas, C. Kittas, 2006. Calcium, Magnesium and Potassium concentration prediction in a recirculated nutrient solution of a greenhouse soilless rose crop International Symposium on Models in Protected, October 29 - November 2, 2006 Cultivation Wageningen, The Netherlands. Katsoulas, N., Bartzanas, T., Manolaraki, Ch., and Kittas C., 2007. Effect of anti-drip greenhouse cover materials on microclimate and production of a hydroponic cucumber crop. GreenSys 2007: High Technology for Greenhouse Systems Management, October 4-6, 2007, Naples, Italy.
 - 3.22. Kittas, C., Bartzanas, T., Sapounas, A., Katsoulas, N., Tsiropoulos, N., 2007. Numerical modelling and experimental measurements of pesticides dispersion in a naturally ventilated greenhouse. GreenSys 2007: High Technology for Greenhouse Systems Management, October 4-6, 2007, Naples, Italy.
 - 3.23. Kittas, C., Katsoulas, N., Sapounas, A., Bartzanas, T., 2007. Distribution of a Tracer Gas in a Naturally Ventilated Greenhouse. Measurements and Simulations for Pesticides Dispersion Determination. 2nd PALENC Conference and 28th AIVC Conference - Building Low Energy Cooling and Advanced Ventilation Technologies in the 21st century, 27 - 29 September, 2007, Heraklio, Crete.
 - 3.24. Katsoulas N., Petsani D., Peponakis C., Tchamitchian M., Kittas C., 2008. Development of a simple growth model for light control in tomato seedlings. International Symposium on "Strategies towards sustainability of protected cultivation in mild winter climate, April 6-11, 2008, Antalya, Turkey.
 - 3.25. Kittas C., Bartzanas T., Rigakis N., Katsoulas N., 2008. Influence of shading screens on microclimate and growth of a tomato crop. International Symposium on "Strategies towards sustainability of protected cultivation in mild winter climate, April 6-11, 2008, Antalya, Turkey.
 - 3.26. Bartzanas T., Katsoulas N., Kittas C., 2008. Improving the efficiency of insect screens in greenhouse. International Symposium on "Strategies towards sustainability of protected cultivation in mild winter climate, April 6-11, 2008, Antalya, Turkey.
 - 3.27. Syrivelis D., Katsoulas N., Papanastasiou D.K., Bartzanas T., Kittas C., 2008. A network framework to exploit meteorological data for sustainable agriculture. International Advanced Workshop on Information and Communication Technologies for Sustainable Agri-production and Environment (AWICTSAE 2008), Alexandroupolis, Greece, 22 – 23 of May, 2008
 - 3.28. Papaioannou Ch., Katsoulas N., Kittas C., 2008. Study of transmission to UV radiation of UV-absorbing greenhouse cover materials during three years. AgEng 2008, July 23-26 2008, Chersonesos, Heraklio, Crete.
 - 3.29. Dimokas, G., Katsoulas, N., Kittas, C., 2008. Calibration of a climate simulator (SimGreC) in Mediterranean greenhouses during winter period. 4th International Conference on Information and Communication Technologies in Bio and Earth Sciences (HAICTA 2008). Agricultural University of Athens, September 18-20, 2007, Athens, Greece.
 - 3.30. Tsiropoulos N. G., Papadi-Psyllou A., Katsoulas N., Kravvariti K., Bartzanas T., Boulard T., Kittas C., 2008. Measurements of pyrimethalin residues in the greenhouse air after low volume spray application. Proceedings of the 5th European Conference on Pesticides and related micropollutants in the environment, 22-25 October 2008, Marseille, France, Pesticides 2008 pp: 73-77.
- 4. Papers published in Proceedings of National Greek Conferences**
- 4.1. Katsoulas, N., Bartzanas, Th., Kittas, C. Experimental determination of the global greenhouse heat loss coefficient in a plastic greenhouse. Proceedings of the 1st National Conference of Agriculture Engineers, 1: 185-194 (in Greek).
 - 4.2. Kittas, C., A. Baille, Katsoulas, N. Estimation of crop transpiration under cover. Proceedings of the 4th International Conference of GCMWS: "Management of Water Sources in Sensitive Regions of Greece". 1: 170-176 (in Greek).

- 4.3. Kittas, C., Baille, A., Katsoulas, N., 1999. Influence of misting on transpiration rate and canopy conductance of a rose crop. Proceedings of the 19th Scientific Conference of Greek Society of Horticultural Sciences. 6: 375-379 (in Greek).
- 4.4. Katsoulas, N., Nanos, G, Kittas, C., 1999. CO₂ enrichment and photosynthesis in a greenhouse tomato crop. Proceedings of the 19th Scientific Conference of Greek Society of Horticultural Sciences. 6: 255-258 (in Greek).
- 4.5. Kittas, C., Karamanis, M, Katsoulas, N., 1999. Study of variables determining air temperature in a forced ventilated rose greenhouse covered with PVC. Proceedings of the 6th National Conference of Institute of Solar Technique: (B), 35-42. Volos-Greece, 3-5 November 1999 (in Greek).
- 4.6. Katsoulas, N., Lykas, Ch., Giaglaras, P., Kittas, C., 2000. Management of nutrient solution in a closed hydroponic system with a rose crop in the region of Magnisia-Greece. 2nd National Conference in Floriculture: «Current trends and new technologies in floriculture of 2000». Volos-Greece, 24-26 May 2000 (in Greek).
- 4.7. Kavouras, S., Katsoulas, N., Kittas, C., 2000. Transpiration and stomatal conductance of rose plants. Measurements using porometer. Proceedings of the 2nd National Conference of Agriculture Engineers. I: 398-405 (in Greek).
- 4.8. Kittas, C., Katsoulas, N., Bartzanas, Th., Giaglaras, P., Karamanis, M., Lykas, Ch., 2000. Influence of a thermal screen on greenhouse energy behavior. Proceedings of the 2nd National Conference of Agriculture Engineers. I: 221-228 2000 (in Greek).
- 4.9. Katsoulas, N., Kittas, C., 2001. Effect of leaf area index on greenhouse rose crop transpiration. Proceedings of the 20th Scientific Conference of Greek Society of Horticultural Sciences 10: 318-321.
- 4.10. Kittas, C., Labropoulos H., Katsoulas, N., Bartzanas Th., 2001. Effect of insect screens on greenhouse ventilation performance. Proceedings of the 20th Scientific Conference of Greek Society of Horticultural Sciences 10: 346-349.
- 4.11. Kittas, C., Katsoulas, N., 2002. Use of thermal screens for greenhouse energy saving. Influence on greenhouse microclimate. Proceedings of the 7th National Conference of Institute of Solar Technique. B: 251-258 (in Greek).
- 4.12. Kittas, C., Katsoulas, N., 2003. Effect of several greenhouse climate control systems on greenhouse microclimate. Proceedings of the 3rd National Conference of Agriculture Engineers. I: 387-394 (in Greek).
- 4.13. Katsoulas, N., Kittas, C., 2003. Comparative study of greenhouse ventilation, misting and shading systems on a greenhouse rose crop. Proceedings of the 3rd National Conference of Agriculture Engineers. I: 395-402 (in Greek).
- 4.14. Papaioannou, Ch., Obeid, D., Katsoulas, N., Kittas, C., 2003. Effect of two new greenhouse UV-absorbing cover materials on greenhouse microclimate and tomato growth. Proceedings of the 3rd National Conference of Agriculture Engineers. I: 354-361 (in Greek).
- 4.15. Lykas, Ch., Katsoulas, N., Kittas, C., 2003. Measurements and modelling of pH and EC of the nutrient solution in a closed hydroponic system with a rose crop. Proceedings of the 21st Scientific Conference of Greek Society of Horticultural Sciences. I: 371-374 (in Greek).
- 4.16. Papaioannou, Ch., Katsoulas, N., Kittas, C., 2003. Effect of new- UV-absorbing greenhouse cover materials on growth and development of a hydroponically grown tomato crop. Proceedings of the 21st Scientific Conference of Greek Society of Horticultural Sciences. I: 65-68 (in Greek).

Annex 2: List of research projects that Nikolaos Katsoulas has been involved as Researcher or Scientific Responsible of the project:

European Projects

1. «CLOsed SYStem for water and nutrient management in horticulture». Research project founded by the European Union, 01/01/2002-31/12/2003, Contract number QLK-2000-01301. *Researcher*.
2. Sustainable orchard irrigation for improving fruit quality and safety, IRRIGUAL, Research project founded by the European Union, 01/06/2006-31/05/2009. *Researcher*.

Bilateral Research Projects

3. «Development of a greenhouse equipped with an insect proof system, appropriate for Mediterranean conditions». Research project founded by the General Secretariat for Research and Technology of Greece, under the framework of the Bilateral Greek-France agreement, 01/06/1999-31/07/2000. *Researcher*.
4. «Study of the dispersion of pesticides in naturally ventilated greenhouses». Research project founded by the General Secretariat for Research and Technology of Greece, under the framework of the Bilateral Greek-France agreement, 1/5/2007-31/9/2008. *Researcher*.
5. «Development of an e-tool for calculating the irrigation needs in Mediterranean greenhouses». Research project founded by the General Secretariat for Research and Technology of Greece, under the framework of the Bilateral Greek-Egypt agreement, 1/5/2007-31/7/2008. *Scientific responsible of the project*.

National Research Projects

6. «Production of new UV-absorbing greenhouse cover materials aiming to reduce insects and diseases inside the greenhouse». Research project founded by the General Secretariat for Research and Technology of Greece, 01/06/2001-31/05/2003. *Researcher*.
7. «Development of domestic technology and know-how for greenhouse crop cultivation in closed hydroponic systems aiming to reduce nitrogen and chemical leaches in the ground» (Research project founded by the Ministry of National Education and Religious Affairs of Greece, 1/1/2004 - 31/8/2006). *Researcher*.
8. Control of fungi in Solanaceum crops by alternative (non-chemical) methods». Research project funded by the Ministry of National Education and Religious Affairs of Greece, 2004-2006. *Researcher*.
9. «Tracing of pesticides in the greenhouse environment» (Research project founded by the Ministry of National Education and Religious Affairs of Greece, 1/3/2004 - 28/2/2005). *Post-Doctorate Researcher*.
10. «Optimisation of greenhouse climate control in Mediterranean greenhouses during winter». Research project founded by the General Secretariat for Research and Technology of Greece, 07/09/2005-06/09/2008. *Researcher*.
11. «Development and study of new anti-drip greenhouse cover materials appropriate for environmental friendly greenhouses». Research project founded by the General Secretariat for Research and Technology of Greece, 01/05/2006-30/10/2007. *Researcher*.
12. «Development and optimisation of an environmental friendly, hybrid system for passive solar heating in greenhouses with hydroponic crops». Research project founded by the General Secretariat for Research and Technology of Greece, 01/05/2006-30/10/2007. *Researcher*.
13. «Human networks for Research and Technological training «New Technologies for environmental friendly Greenhouses». Research project founded by the General Secretariat for Research and Technology of Greece, 16/4/2007-15/10/2008. *Researcher*.
14. Innovation Pole of Thessaly: «Ensuring total quality in production, packaging, handling, storage and distribution of food in Thessaly - Thessaly food». Research project founded by the General Secretariat for Research and Technology of Greece, 1/10/2007-30/9/2008. *Researcher*.

Research Projects founded by the Research Committee of the University of Thessaly

15. «Determination of the effects of a thermal screen on the energy balance of the greenhouse». 01/02/1997-31/05/1997. *Researcher*.
16. «Installation and operation of a hydroponic system». 10/09/1997-09/07/1998. *Researcher*.
17. «Development and validation of a statistical model for tomato seedlings crop simulation». 01/05/2007-31/07/2008. *Scientific responsible of the project*.