

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

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1 ΕΚΠΑΙΔΕΥΣΗ

1.1 ΔΙΔΑΚΤΟΡΙΚΟ

- Ιούλιος 2004: Διδακτορικό Δίπλωμα Φιλοσοφίας στις Γεωπονικές Επιστήμες Τμήμα Γεωπονίας Φυτικής Παραγωγής και Αγροτικού Περιβάλλοντος του Πανεπιστημίου Θεσσαλίας.

1.2 ΒΑΣΙΚΟ ΠΤΥΧΙΟ

- Μάρτιος 1998: Πτυχίο Γεωπονίας Φυτικής και Ζωικής Παραγωγής, Τμήμα Γεωπονίας Φυτικής και Ζωικής Παραγωγής του Πανεπιστημίου Θεσσαλίας

1.3 ΥΠΟΤΡΟΦΙΕΣ

- “Γενική Γραμματεία Έρευνας και Τεχνολογίας”, 1998-2000, Υποτροφίες Προσανατολισμένης Έρευνας (ΥΠΕΡ), 3 χρόνια

1.4 ΞΕΝΕΣ ΓΛΩΣΣΕΣ

- Ελληνικά (Μητρική Γλώσσα)
- Αγγλικά (Proficiency University of Michigan)
- Γαλλικά (Μέτρια γνώση)

2 ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΕΜΠΕΙΡΙΑ

2.1 ΔΙΔΑΣΚΑΛΙΑ

2.1.1 ΠΡΟΠΤΥΧΙΑΚΑ

- A. Γεωπονικό Πανεπιστήμιο Αθηνών, Τμήμα Αξιοποίησης Φυσικών Πόρων και Γεωργικής Μηχανικής, ακαδημαϊκό έτος 2018-σήμερα
- **Θερμοκηπιακές εγκαταστάσεις**
 - **Υδροπονικές εγκαταστάσεις**
 - **Διαμόρφωση εξωτερικών χώρων**
 - **Σχεδιασμός, Οργάνωση και Λειτουργία Θερμοκηπιακών Εγκαταστάσεων**
- B. Πανεπιστήμιο Θεσσαλίας, Τμήμα Γεωπονίας Φυτικής Παραγωγής και Αγροτικού Περιβάλλοντος, ακαδημαϊκά έτη: 2008-2009, 2009-2010, 2010-2011
- “Αποθήκευση αγροτικών προϊόντων”, M.Sc. course
 - “Αποθήκευση - συντήρηση αγροτικών προϊόντων”, B.Sc. course

C. ΤΕΙ Λάρισας, Σχολή Γεωπονίας, Τμήμα Μηχανικής Βιοσυστημάτων

- “Αποθήκες”, 3 ακαδημαϊκά έτη: 2004-2006.
- “Γεωργικά μηχανήματα” 3 ακαδημαϊκά έτη: 2004-2006.
- “Αποθήκευση - χειρισμός αγροτικών προϊόντων» 3 ακαδημαϊκά έτη: 2006-2008.
- “Μηχανικά μέσα διακίνησης αγροτικών προϊόντων» 3 ακαδημαϊκά έτη: 2006-2008.
- “Αγροτικά κτίρια” 1 ακαδημαϊκό έτος 2008-2009.
- “Έλεγχος Περιβάλλοντος Αγροτικών Κτιρίων” 2 ακαδημαϊκά έτη 2009-2011

2.1.2 ΜΕΤΑΠΤΥΧΙΑΚΑ

- A. Γεωπονικό Πανεπιστήμιο Αθηνών, Τμήμα Επιστήμης Φυτικής Παραγωγής, ΠΜΣ: Τομείς Αιχμής και Καινοτόμες Εφαρμογές στην Παραγωγή και Συντήρηση Οπωροκηπευτικών και Ανθοκομικών Ειδών
- 2018-2019: Κατασκευή και Λειτουργία Θερμοκηπίων
 - 2019-2020: Κατασκευή και Λειτουργία Θερμοκηπίων
 - 2020-2021: Κατασκευή και Λειτουργία Θερμοκηπίων
 -
- B. Γεωπονικό Πανεπιστήμιο Αθηνών, Τμήματα Επιστήμης Τροφίμων και Διατροφής του Ανθρώπου και Επιστήμης Ζωικής Παραγωγής ΔΠΜΣ: Τομείς Αιχμής και Καινοτόμες Εφαρμογές στην Παραγωγή και Συντήρηση Οπωροκηπευτικών και Ανθοκομικών Ειδών
- 2018-2019: Διαχείριση Αποβλήτων Μονάδων Παραγωγής και Επεξεργασίας Γάλακτος
 - 2018-2019: Διαχείριση Αποβλήτων Μονάδων Παραγωγής και Επεξεργασίας Γάλακτος
 - 2018-2019: Διαχείριση Αποβλήτων Μονάδων Παραγωγής και Επεξεργασίας Γάλακτος

2.1.3 ΕΠΙΒΛΕΨΗ ΔΙΔΑΚΤΟΡΙΚΩΝ / ΜΕΤΑΠΤΥΧΙΑΚΩΝ

2.1.3.1 Ολοκληρωμένες

1. PhD co-supervisor: Προσομοίωση και πειραματική αποτίμηση πράσινης στέγης, 2010- Τσιάντου Στελλίνα, Πανεπιστήμιο Θεσσαλίας
2. M.Sc co-supervisor. Επίδραση δύο νεών υλικών κάλυψης θερμοκηπίου στην ενεργειακή κατανάλωση και την ψύξη θερμοκηπίων, 2009 Αθανάσιος Τσουκνίδας, Πανεπιστήμιο Θεσσαλίας
3. B.Sc supervisor. Καινοτόμα συστήματα αποθήκευσης αγροτικών προϊόντων, 2009, Άρτεμις Κίρτσα, ΤΕΙ Λάρισας
4. B.Sc supervisor. Αποθήκευση αγροτικών προϊόντων σε συνθήκες χαμηλού οξυγόνου, 2010, Χρήστος Κοκολόγος, Νίκος Ξαρχάς, ΤΕΙ Λάρισας
5. B.Sc co supervisor. Χρήση δεικτών καλλιέργειας για έλεγχο περιβάλλοντος θερμοκηπίων, 2010, Αθανάσιος Θασανέρης, Πανεπιστήμιο Θεσσαλίας

6. Msc co supervisor. Εφαρμογές τεχνικών γεωργίας ακριβείας για ολοκληρωμένη παραγωγή αχλαδιών, , 2011. Αλίκη Ζάχου. Ζαχου, Πανεπιστήμιο Θεσσαλίας
7. Msc co supervisor. Κατανομή μικροκλίματος σε διχτυοκήπια, 2012. Άννα Κανδύλα, Πανεπιστήμιο Θεσσαλίας
8. Msc co supervisor. Ορθολογική χρήση νερού σε περιβάλλον υψηλής αλατότητας θερμοκηπιακών καλλιεργειών 2012. Χρύσα Νικολάου, Πανεπιστήμιο Θεσσαλίας
9. Msc co supervisor. Προγραμματισμός άρδευσης υδροπονικών καλλιεργειών σε πραγματικό χρόνο, 2012. Πέτρος Παπαδόπουλος, Πανεπιστήμιο Θεσσαλίας
10. PhD co-supervisor. Microclimate and environment of livestock buildings – A CFD approach, 2012 Wentao Wu's, Aarhus University, Denmark
11. Msc co supervisor. Βελτιστοποίηση παραγόντων περιβάλλοντος θερμοκηπίου για έλεγχο αλατότητας σε υδροπονική καλλιέργεια, 2013. Ζαγάρη Ελένη. Πανεπιστήμιο Θεσσαλίας
12. Msc co supervisor. Χρησιμοποίηση αισθητήρων καταγραφής καλλιέργειας για την ανάπτυξη σχετικών διεκτών υδατικής καταπόνησης., 2013. Δερμάτη Κανέλλη, Πανεπιστήμιο Θεσσαλίας
13. PhD co supervisor. Εφαρμογή τεχνολογιών κτηνοτροφείας ακριβείας για τη μείωση του περιβαλλοντικού αποτυπώματος σε κτηνοτροφικές μονάδες. Βασίλειος Ανέστης, Πανεπιστήμιο Θεσσαλίας MSc supervisor, Προσδιορισμός περιβαλλοντικού αποτυπώματος με τη μέθοδο ανάλυσης κύκλου ζωής σε θερμοκηπιακές ανθοκομικές καλλιέργειες, Λεωνίδας Ανδρής, Γεωπονικό Πανεπιστήμιο Αθηνών

2.1.3.2 Εν εξελίξη

14. PhD supervisor Προσδιορισμός & αποτίμηση στρατηγικών για το μετριασμό εκπομπών από αγροτικά κτίρια στην Ελλάδα, Αριστέα Μαραγκού, Γεωπονικό Πανεπιστήμιο Αθηνών
15. PhD supervisor Ανάπτυξη και εφαρμογή συστημάτων υποστήριξης λήψης απόφασης για την διασφάλιση της βιωσιμότητας και της αειφορίας ελληνικών εντατικών κτηνοτροφικών εκμεταλλεύσεων, Βαγγέλης Αλεξανδρόπουλος, Γεωπονικό Πανεπιστήμιο Αθηνών
16. PhD supervisor Ανάπτυξη και αξιολόγηση συστήματος ενυδροπονίας για καλλιέργεια τροφίμων σε ελεγχόμενες συνθήκες, Δημήτριος Κάρτας, Γεωπονικό Πανεπιστήμιο Αθηνών
17. PhD supervisor, Βελτιστοποίηση περιβάλλοντος και ανάπτυξης καλλιεργειών σε συστήματα κάθετης γεωργίας, Χρήστος Βατίστας, Γεωπονικό Πανεπιστήμιο Αθηνών
18. PhD supervisor, Assessing benefits of green infrastructure on urban microclimate and GHG emissions using LCT, Negin Beno Khalifi, Γεωπονικό Πανεπιστήμιο Αθηνών

2.2 ΕΡΕΥΝΑ

2.2.1 ΙΝΣΤΙΤΟΥΤΑ

1. INRA, Station de Bioclimatology, Avignon. 15/2/2000 - 15/06/2000, προσκεκλημένος Ερευνητής

2. University of Thessaly, Department of Agriculture Crop Production and Rural environment, Laboratory of Agricultural Constructions and environmental Control, 2004-
3. Wageningen University, Greenhouse Technology Group. April 2008. Σύντομη ερευνητική επίσκεψη
4. CNRS, Laboratoire de Combustion et Systèmes Réactifs, France Orlean. May 2008. Σύντομη ερευνητική επίσκεψη
5. University of Aarhus, Department of Biosystems Engineering, September 2009, προσκεκλημένος Ερευνητής
6. University of Aarhus, Department of Biosystems Engineering, 1/08/2010 – 31/10/2010. Επισκέπτης Καθηγητής
7. Seoul National University, College of Life Sciences and Engineering, 1/10/2011 – 31/10/2011 and 1/5/2012-15/5/2012. Σύντομη ερευνητική επίσκεψη
8. Seoul National University, College of Life Sciences and Engineering, 1/10/2011 – 31/10/2011 and 1/5/2012-15/5/2012. Σύντομη ερευνητική επίσκεψη
9. University of Illinois Department of Agricultural and Biological Engineering, August 2012, Σύντομη ερευνητική επίσκεψη
10. University of Arizona Department of Agricultural and Biosystems Engineering, September 2012, Σύντομη ερευνητική επίσκεψη
11. Εθνικό Κέντρο Έρευνας και Τεχνολογικής Ανάπτυξης, Ινστιτούτο Έρευνας και Τεχνολογίας Θεσσαλίας, Τμήμα Αγροτεχνολογίας, Ερευνητής Β, Υπεύθυνος Τμήματος Αγροτεχνολογίας, 2007 έως σήμερα
12. University of Aarhus, Department of Engineering, Section Agricultural Engineering, Νοέμβριος 2015- 2016 post doc researcher

2.2.2 ΕΡΕΥΝΗΤΙΚΑ ΠΡΟΓΡΑΜΜΑΤΑ

1. 1998.«Διερεύνηση των επιδράσεων παθητικού συστήματος θερμοκουρτίνας στην ενεργειακή συμπεριφορά του θερμοκηπίου». (Χρηματοδότηση Επιτροπή Ερευνών Πανεπιστημίου Θεσσαλίας). (Ανάδοχος φορέας: Πανεπιστήμιο Θεσσαλίας)
2. 1998-2001. «Διαχείριση της Υψηλής Υγρομετρίας σε Ελληνικά Θερμοκήπια», Γενική Γραμματεία Έρευνας και Τεχνολογίας». (Χρηματοδότηση Υπουργείο Ανάπτυξης, Γενική Γραμματεία Έρευνας και Τεχνολογίας).
3. 2000. «Διερεύνηση της επίδρασης διχτύων εντομοστεγανότητας στον αερισμό θερμοκηπίου». (Χρηματοδότηση, INRA, France).

4. 2001-2002 «Γεωργία και Περιβάλλον. Θερινό Σχολείο για Γεωργικούς Μηχανικούς». (Χρηματοδότηση Ευρωπαϊκή Ένωση).
5. 2001-2002. «Νέες τεχνολογίες εκμάθησης για Γεωργικούς μηχανικούς. Ένα τρίγωνο πιλοτικό διαδικτυακό εργαλείο». Ερευνητής. (Χρηματοδότηση Ευρωπαϊκή Ένωση).
6. 2003-2004. «Παραγωγή UV-απορροφητικών φύλλων κάλυψης θερμοκηπίων με σκοπό τη μείωση των εχθρών και ασθενειών των φυτών και δοκιμή τους σε συνθήκες καλλιέργειας». (Χρηματοδότηση Υπουργείο Ανάπτυξης, Γενική Γραμματεία Έρευνας και Τεχνολογίας)..
7. 2004-2006. «Διερεύνηση της συμπεριφοράς φυτοπροστατευτικών ουσιών στο περιβάλλον του θερμοκηπίου». (Χρηματοδότηση Υπουργείο Παιδείας και Θρησκευμάτων).
8. 2006-2008. «Ανάπτυξη και βελτιστοποίηση καινοτόμου συστήματος θέρμανσης και στήριξης υδροπονικών καλλιεργειών φιλικού στο περιβάλλον». (Χρηματοδότηση Υπουργείο Ανάπτυξης, Γενική Γραμματεία Έρευνας και Τεχνολογίας, ΠΑΒΕ2005).
9. 2006-2008. «Ανάπτυξη και αξιολόγηση αντισταγονικών φύλλων κάλυψης κατάλληλων για θερμοκήπια φιλικά στο περιβάλλον». (Χρηματοδότηση Υπουργείο Ανάπτυξης, Γενική Γραμματεία Έρευνας και Τεχνολογίας, ΠΑΒΕ2005).
10. 2006-2008. «Καινοτόμες Μέθοδοι και Τεχνολογίες Διασφάλισης Ολικής Ποιότητας στην Παραγωγή, Συσκευασία, Διακίνηση, Αποθήκευση και Διάθεση Τροφίμων και Ποτών». (Χρηματοδότηση Υπουργείο Ανάπτυξης, Γενική Γραμματεία Έρευνας και Τεχνολογίας, Περιφερειακοί Πόλοι Καινοτομίας).
11. 2006-2008. «Διασφάλιση Ολικής Ποιότητας στην Παραγωγή, Συσκευασία, Διακίνηση, Αποθήκευση και Διάθεση Τροφίμων στη Θεσσαλία». (Χρηματοδότηση Υπουργείο Ανάπτυξης, Γενική Γραμματεία Έρευνας και Τεχνολογίας, Περιφερειακοί Πόλοι Καινοτομίας).
12. 2007-2008. «Διερεύνηση της συμπεριφοράς φυτοπροστατευτικών ουσιών στο περιβάλλον φυσικά αεριζόμενου θερμοκηπίου». Πρόγραμμα Ελληνο-Γαλλικής συνεργασίας. (Χρηματοδότηση, Υπουργείο Ανάπτυξης, Γενική Γραμματεία Έρευνας και Τεχνολογίας).
13. 2007-2008. «Ενεργειακές Καλλιέργειες – Παραγωγή, Αξιοποίηση & Εμπορία Βιοκαυσίμων στην Ελλάδα». (Χρηματοδότηση, Υπουργείο Ανάπτυξης, Γενική Γραμματεία Έρευνας και Τεχνολογίας).
14. 2008-2010. « Integration of Farm Management Information Systems to support real-time management decisions and compliance of management standards-Future Farm». (Research program founded by the European Commission, FP7, KBBE 2007-1-4-05).
15. 2009. «Πειραματική αξιολόγηση νέων θερμικών πλαστικών υλικών κάλυψης θερμοκηπίων» (Χρηματοδότηση από Πλαστικά Κρήτης ΑΒΕΕ)

16. 2010-2012 «Sustainable use of irrigation water in the Mediterranean region – SIRRIMED»..(Research program founded by the European Commission, FP7, KBBE 2009-3).
17. 2010. «Ανάπτυξη λογισμικού θερμοδυναμικών ηλιακών συστημάτων». Κουπόνια Καινοτομίας για Μικρομεσαίες Επιχειρήσεις της Γενικής Γραμματείας Έρευνας & Τεχνολογίας (αρ. έγκρισης 36017963-01-000160).
18. 2010. «Βελτιστοποίηση σχεδιασμού πράσινων οροφών». Κουπόνια Καινοτομίας για Μικρομεσαίες Επιχειρήσεις της Γενικής Γραμματείας Έρευνας & Τεχνολογίας.
19. 2010-2012. «Ανάπτυξη ολοκληρωμένου συστήματος παρακολούθησης και διαχείρισης ποσότητας και ποιότητας υδατικών πόρων αγροτικών λεκανών απορροής υπό συνθήκες κλιματικής αλλαγής. Εφαρμογή στη λεκάνη απορροής της λίμνης Κάρλας».
20. 2010-2012. «Βελτιστοποίηση Ελέγχου Περιβάλλοντος σε Καλλιέργειες υπό κάλυψη για διαχείριση της αλατότητας με αξιοποίηση ομικών τεχνολογιών» (Χρηματοδότηση, Γενική Γραμματεία Έρευνας και Τεχνολογίας)
21. 2011 – 2013. Smart technologies for controlled environment agriculture. FP7, People, Marie Curie actions, IRSES.
22. 2012-2015. Intelligent crop-based environmental monitoring and control of sustainable greenhouse eco-systems. Ερευνητής (Χρηματοδότηση, Γενική Γραμματεία Έρευνας και Τεχνολογίας).
23. 2012-2015. Assessment of techniques and technologies for reducing the environmental footprint of poultry facilities. (Χρηματοδότηση, Γενική Γραμματεία Έρευνας και Τεχνολογίας).
24. 2013-2015. Translation network SME support in the animal breeding and horticulture sector. South East Europe. (Χρηματοδότηση South-East Interreg Europe)
25. 2013-2015. Smart Integrated Livestock Farming: integrating user-centric & ICT-based decision support platforms). (Χρηματοδότηση EU, FP7, ICT-Agri-2)
26. 2013-2015. Ανάπτυξη και αξιολόγηση καινοτόμων υλικών κάλυψης θερμοκηπίου. (Χρηματοδότηση, Γενική Γραμματεία Έρευνας και Τεχνολογίας).
27. 2013-2015. Ευφυής Πόλος Εξειδίκευσης και Ανάπτυξης Θεσσαλίας: Έρευνα, Καινοτομία, Στρατηγικές. (Χρηματοδότηση, Γενική Γραμματεία Έρευνας και Τεχνολογίας).
28. 2013-2015. Online Professional Irrigation Scheduling – Oplris. (Χρηματοδότηση EU-FP7, KBBE-2013).
29. 2014-2015. Αειφορικός σχεδιασμός προβατοστασιών. (Χρηματοδότηση, Γενική Γραμματεία Έρευνας και Τεχνολογίας)

30. 2016-2019. Bridging competence infrastructure gaps and speeding up growth and jobs delivery in regions – BRIDGES. (Χρηματοδότηση Interreg Europe)
31. 2019-2021. Ανάπτυξη συστήματος παραγωγής ορνίθιου κρέατος μειωμένου περιβαλλοντικού αποτυπώματος με πλήρη απουσία χρήσης αντιβιοτικών (Green poultry production, antibiotic free). (Χρηματοδότηση, Γενική Γραμματεία Έρευνας και Τεχνολογίας, ΕΔΚ)
32. 2019-2021. Ανάπτυξη ασύρματων αισθητήρων αερίων με χρήση νανοσωλήνων άνθρακα και εφαρμογές στην προστασία αποθηκευμένων γεωργικών προϊόντων και τη διασφάλιση της ασφάλειας τροφίμων. (Χρηματοδότηση, Γενική Γραμματεία Έρευνας και Τεχνολογίας, Διμερής συνεργασία Ελλάδα-Γερμανία)
33. 2020-2022. Enabling Smart Livestock Farming Technologies for Environmental Sustainability using Blockchain. (H2020-Era-Gas-ICT AGRI-Susan Joint Call 2018)
34. 2020-2022. Mitigating greenhouse gas emissions from livestock systems. (H2020-Era-Gas-ICT AGRI-Susan Joint Call 2018)
35. 2020-2022. Decision support system for sustainable and GHG optimized milk production in key European areas. (H2020-Era-Gas-ICT AGRI-Susan Joint Call 2018)
36. 2020 – 2023. Digital TEchnologies as an enabler for a conTinuuous transformation of food safety system – DITECT. (H2020-SFS-2019-2)
37. 2020-2022. Ανάπτυξη καινοτόμων ζωοτροφών εμπλουτισμένες με βιοδραστικούς παράγοντες από εδώδιμα φυτά και βότανα για αντιμετώπιση των ασθενειών της ζωικής παραγωγής και μείωση της χρήσης αντιβιοτικών. Περιφέρεια Κρήτης / Ειδική Υπηρεσία Διαχείρισης Ε.Π Περιφέρειας Κρήτης
38. 2020-2022. Strategies and technologies to achieve a European Fossil-energy-free agriculture – AgroFossilFree. (H2020)
39. 2020-2023. Energy Smart Livestock Farming towards Zero Fossil Fuel Consumption – Res4Live (H2020)
40. 2020-2023. Ανάπτυξη και εφαρμογή ενός αυτοματοποιημένου, ενεργειακά αυτόνομου, συστήματος κάθετης υδροπονικής καλλιέργειας σε κλειστούς χώρους: Αξιολόγηση σε εφαρμογές αστικής γεωργίας και θερμοκηπιακών καλλιεργειών. (ΕΔΚ-ΓΓΕΤ)
41. 2020-2023. ORganIc PhOtovoltaic GreeNhouse. Solar Era Net
42. 2020-2023. Κόμβος Καινοτομίας στην Ευφυή Γεωργία και Κυκλική Βιοοικονομία, SMART BIC. . Ενίσχυση των Υποδομών Έρευνας και Καινοτομίας (ΓΓΕΤ)

43. 2020-2023Κόμβος Έρευνας Καινοτομίας και Επιχειρηματικότητας στον Αγροδιατροφικό τομέα Agro Know Hub. Ανάπτυξη Υποδομών και Δομών σε κρίσιμες περιοχές και τομείς Ε&Κ σε συμφωνία με την Υλοποίηση της RIS3 της Περιφέρειας Αττικής (ΓΓΕΤ)
44. 2022-2026. Green-health-safety Nexus for new Urban Spaces. Horizon Europe, HORIZON-MSCA-DN-2021
45. 2022-2026. Innovative concepts and technologies for ECOlogically sustainable NUTRIent management in agriculture aiming to prevent, mitigate and eliminate pollution in soils, water and air, HORIZON-CL6-2022-ZEROPOLLUTION-01-03
46. 2024-2027. Supporting the potentials of digital, data-driven solutions for livestock tracking-Digi4Live, HORIZON-CL6-2023-GOVERNANCE-01-14
47. 2024-2027. Promoting excellence through innovative eco-systems -ENABLES, HORIZON-WIDERA-2023-ACCESS-03-01
48. 2024-2027. Fostering Carbon Farming Practices through Living Labs in the Mediterranean and Southern EU for the healthy future of European Soils -LiLas4Soil, HORIZON-MISS-2023-SOIL-01-09: Carbon farming in living labs
49. 2025-2028. STORCITO- Sustainable Transformation Of Rural Communities via technical, social and organizational InnovaTiOns, Horizone Europe
50. 2026-2030. Futureproof Innovations and Technologies for Controlled Environment Agriculture - FIT4CEA, Horizone Europe

2.3 ΔΙΟΙΚΗΣΗ

1. 2007-2013: Μέλος της επιτροπής αξιολόγησης εξοπλισμούς του Κέντρου Έρευνας Τεχνολογίας και Ανάπτυξης Θεσσαλίας
2. 2007- 2013: Επικεφαλής του Εργαστηρίου Γεωργικής Μηχανικής και Περιβάλλοντος του Κέντρου Έρευνας Τεχνολογίας και Ανάπτυξης Θεσσαλίας
3. 2012-2013: Επικεφαλής του Τμήματος Αγροτεχνολογίας του Κέντρου Έρευνας Τεχνολογίας και Ανάπτυξης Θεσσαλίας
4. 2012-2013: Μέλος του Διοικητικού Συμβουλίου του Κέντρου Έρευνας Τεχνολογίας και Ανάπτυξης Θεσσαλίας
5. 2013-2018. Μέλος του Τεχνικού Συμβουλίου του ΕΚΕΤΑ
6. 2016-2018: Αναπληρωτής Διευθυντής ΙΕΤΕΘ / ΕΚΕΤΑ
7. 2015- 2020. Συντονιστής της πλατφόρμας καινοτομίας Αγροδιατροφής της Γενικής Γραμματείας Έρευνας και Τεχνολογίας

8. 2018 – Αντιπρόεδρος και συντονιστής των ακαδημαϊκών φορέων της Ελληνικής Τεχνολογικής Πλατφόρμας Τρόφιμων Food for Life
9. 2017- 2020. Πρόεδρος της Ένωσης Γεωργικών Μηχανικών Ελλάδας (ΕΓΜΕ)
10. 2019- Διευθυντής, Εργαστήριο Γεωργικών Κατασκευών, Γεωπονικό Πανεπιστήμιο Αθηνών
11. 2021-2022. Διευθύνων Σύμβουλος και Πρόεδρος του τεχνοβλαστού του Γεωπονικού Πανεπιστημίου Αθηνών Smart Agro Hub A.E
12. 2021-2023. Πρόεδρος της Ελληνικής Εταιρείας Γεωργικών Μηχανικών Ελλάδας
13. 2022- Πρόεδρος ΔΣ του Κέντρου Ικανοτήτων (spin off Γεωπονικού Πανεπιστημίου Αθηνών) SmartAgroHub
14. 2023- Αντιπρύτανης Έρευνας, Οικονομίας και Ανάπτυξης, Γεωπονικό Πανεπιστήμιο Αθηνών
15. 2026- Πρόεδρος ΔΣ της εταιρείας GreenHub A.E

2.4 ΜΕΛΟΣ ΕΠΙΤΡΟΠΩΝ

1. 2013- 2018. Μέλος του Επιστημονικού Συμβουλίου του Ινστιτούτου Έρευνας και Τεχνολογίας Θεσσαλίας (ΙΕΤΕΘ-ΕΚΕΤΑ)
2. 2013- μέλος (με ρόλος συντονιστή) του θεματικού άξονα Αγροδιατροφή στο περιφερειακό πρόγραμμα RIS3 της Περιφέρειας Θεσσαλίας
3. 2014 – μέλος (εκπρόσωπος Ελλάδας) στην Ευρωπαϊκή πλατφόρμα αειφορικής παραγωγής κτηνοτροφικών προϊόντων (Animal Task Force)
4. 2015- μέλος της Ευρωπαϊκής Επιτροπής Καινοτομίας (European Innovation Partnership) στο θεματικό δίκτυο για τις εκδόμπες αερίων θερμοκηπίου από αγροτικές δραστηριότητες)
5. 2015 – Συντονιστής (Chair) του θεματικού δικτύου της διεθνούς κοινότητας οπωροκηπευτικών (International Society of Horticultural Sciences) στο τομέα Υπολογιστική Ρευστοδυναμική στη γεωργία
6. 2018- Μέλος του Περιφερειακού Συμβουλίου Καινοτομίας Θεσσαλίας
7. 2028- Αντιπρόεδρος της Ελληνικής Τεχνολογικής Πλατφόρμας Τροφίμων υπό το συντονισμό του ΣΕΒΤ και εκπρόσωπος των ακαδημαϊκών-ερευνητικών φορέων
8. 2018-2021. Chair του επιστημονικού δικτύου LivAge (Greenhouse gas and Ammonia Emissions from Livestock Buildings) στο πλαίσιο της ευρωπαϊκής δράσης COST
9. Vice Chair του Session II (Structures & Environment) του CIGR
10. 2022-Μέλος του Τομεακού Επιστημονικού Συμβουλίου (ΤΕΣ) στον τομέα της Αγροτεχνολογίας

2.5 ΔΙΑΤΡΙΒΕΣ

- [1] Θ. Μπαρτζάνας, 2004. Διαχείριση της υψηλής υγραμετρίας σε ελληνικά θερμοκήπια Διδακτορική διατριβή. Πανεπιστήμιο Θεσσαλίας, 2004, 258 σελίδες.
- [2] Θ. Μπαρτζάνας, 1998. Τύποι, εξοπλισμός, ενεργειακή αξιολόγηση και προτάσεις για την βελτίωση του εξοπλισμού των θερμοκηπίων της Μαγνησίας. Πτυχιακή διατριβή. Πανεπιστήμιο Θεσσαλίας, 1998, 84 σελίδες.

2.6 ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΕΠΙΣΤΗΜΟΝΙΚΑ ΠΕΡΙΟΔΙΚΑ ΜΕ ΚΡΙΤΕΣ

2.6.1 ΔΗΜΟΣΙΕΥΜΕΝΕΣ

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2.10 ΠΟΣΤΕΡΣ

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2.11 ΤΕΧΝΙΚΑ ΠΕΡΙΟΔΙΚΑ

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- [13] T. Bartzanas and C. Kittas, 2006. Improving greenhouse ventilation openings design using CFD, Agriculture and Animal Production 7:38-45.
- [14] C. Kittas and T. Bartzanas, 2009. Food Technology Platform of Thessaly. Agriculture and Animal Production 1:76-78
- [15] C. Kittas, T. Bartzanas, N. Katsoulas. Greenhouses in Grece, 2011: Current trends and future perspectives, Agriculture and Animal Production 10:19-28
- [16] N. Katsoulas, T. Bartzanas, C. Kittas, 2011. Automation in greenhouses. Agriculture and Animal Production 10:38-45
- [17] N. Katsoulas, T. Bartzanas, C. Kittas, 2011. Energy saving and energy saving technologies in greenhouses. Agriculture and Animal Production 10: 54-57

2.12 ΔΙΑΧΥΣΗ ΑΠΟΤΕΛΕΣΜΑΤΩΝ (ΠΑΡΟΥΣΙΑΣΕΙΣ)

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- [19] C. Kittas and T. Bartzanas. Possibilities for using biomass resources in greenhouses. Workshop Biofuels and Environment, Technical Chamber of Greece, 28 January 2004
- [20] C. Kittas and T. Bartzanas. Use of biomass for greenhouse heating. Workshop of the Biofuels Technology Platform. Karditsa 15 December 2007
- [21] C. Kittas, N. Katsoulas, T. Bartzanas, 2008. Novel technologies for sustainable greenhouses. Workshop for the research activities in the University of Thessaly. 23 January 2008

- [22] C. Kittas, N. Katsoulas, T. Bartzanas. New technologies for environmental friendly greenhouses. Workshop for sustainable greenhouses in rural areas, 10 May 2008, Filiatra, Greece
- [23] C. Kittas and T. Bartzanas. Green Buildings: Influence on building microclimate. Workshop for environment, 5 November 2009 Volos, Greece
- [24] T. Bartzanas. Possibilities for RTD support in the SMEs. Workshop in the framework of the 1st EU week for innovation and technology, Volos, 3 June 2010
- [25] C. Kittas and T. Bartzanas. The role of green roofs and green areas in the reduction of aerial pollution in cities. Workshop of the chamber of Greek Architectures 16 April 2010
- [26] C. Kittas, N. Katsoulas, T. Bartzanas. Protected cultivation for sustainable rural development. 2nd Regional Conference of Karditsa, 19-21 February 2010, Karditsa
- [27] T. Bartzanas. D. K Papanastasiou, D. Fidaros, C. Baxevanou, S. Tsiantou, C. Kittas. Sustainable green roof systems for energy and pollution reduction. Workshop for green roofs systems, Athens 13 May 2010
- [28] C. Kittas, N. Katsoulas, T. Bartzanas. Energy and water saving in greenhouse crops. Workshop for greenhouse growers, 24 May 2011, Almyros, Greece.
- [29] C. Kittas, N. Katsoulas, T. Bartzanas. New trends In greenhouse construction. Workshop for greenhouse growers, 8 September 2011, Ellasona, Greece.
- [30] T. Bartzanas, N. Katsoulas, C. Kittas. An integrated web-based platform for rational water use in irrigated agriculture. Workshop for horticulture industry, 22 March 2012, Vestino,, Greece.
- [31] T. Bartzanas. Reducing the environmental footprint livestock industry. Workshop of TEI of Epirus for regional innovation, Arta, 5 April 2013
- [32] T. Bartzanas. Agrofood Clusters & Regional Development. 1st Workshop of Transnational Network for SME support in the animal breeding and horticulture sector» Bucharest, Romania 5-7 May2013
- [33] T. Bartzanas. Effective approaches for technology and innovation transfer to SMEs. 3rd Workshop of Transnational Network for SME support in the animal breeding and horticulture sector» Aigio Greece, 4-6 September 2013
- [34] T. Bartzanas. Design and development of ifarma: a farm management application for mobile devices. 4th Workshop of Transnational Network for SME support in the animal breeding and horticulture sector» Tirana, Albania, 21-23 October 2013
- [35] T. Bartzanas. Effective support approaches to assess entering new markets, meeting European quality standard, promotion of products and facilitate the internationalisation of SMEs. 5th Workshop of Transnational Network for SME support in the animal breeding and horticulture sector» Ruse, Bulgaria, 11-12 Ruse, Bulgaria 2013
- [36] C. Kittas, T. Bartzanas, N. Katsoulas, 2014. Greenhouse crops in Greece: Technological trends and needs. Workshop for the competitiveness of Greek Agriculture Sector, Embassy of Netherlands in Greece, 31 March, 2014, Athens, Greece

3 ΔΙΕΘΝΗΣ ΑΝΑΓΝΩΡΙΣΗ

3.1 ΚΡΙΤΗΣ ΕΠΙΣΤΗΜΟΝΙΚΩΝ ΠΕΡΙΟΔΙΚΩΝ

- Journal: **Biosystems Engineering**, Elsevier / Associate Editor
- Journal: **Agriculture and Forest Meteorology**, Elsevier
- Journal: **Computers and Electronics in Agriculture**, Elsevier
- Journal: **International Journal of Heat and Mass transfer**, Elsevier
- Journal: **Transactions of the ASABE**, ASABE org
- Journal: **Applied Engineer in Agriculture**, ASABE org
- Journal: **European Journal of Horticulture Science**, German Society for Horticultural Science
- Journal of **Zhejiang University**, Zhejiang University
- Journal: **Agricultural Engineering International**: the CIGR Journal
- Journal: **Solar Energy**, Elsevier
- Journal: **Sensors**, MDPI
- Journal: **Agronomy**
- Journal: **Energy and Buildings**
- Journal of **Cleaner Production**
- **African Journal of Biotechnology**
- **Scientia Agricola**

3.2 ΠΡΟΕΔΡΕΙΟ ΣΕ ΣΥΝΕΔΡΙΑ

- 2007: 2nd Palenc Conference and 28th AIVC Conference “Building low energy cooling and advanced ventilation technologies in the 21st century. Session: Natural Ventilation Systems
- 2008: AgEng2008 International Conference on Agricultural Engineering & Industry Exhibition, 23-25 June 2008, Hersonissos Creta, Greece. Προεδρείο στις θεματικές Session: Renewable Energy II
- 2008: AgEng2008 International Conference on Agricultural Engineering & Industry Exhibition, 23-25 June 2008, Hersonissos Creta, Greece. Session: Microclimate in Greenhouses
- 2009: International Symposium on High Technology for Greenhouse Systems GreenSys 2009, Quebec, Canada, 14-19 June 2009. Session: CFD
- 2009: 6th National (Greek) conference of Agricultural Engineers. Session: Numerical Models
- 2011: Advanced technologies and management towards sustainable greenhouse ecosystems-GreenSys2011. Session: CFD

- 2011: Advanced technologies and management towards sustainable greenhouse ecosystems-GreenSys2011. Session: CFD
- 2011: 7th National Conference of Agriculture Engineer, 23-25 November, Athens: Session: Agricultural Constructions – Energy
- 2013: 8th National Conference of Agriculture Engineer, 25-27 September, Volos, Greece: Session: Agricultural Constructions
- 2013: International Symposium «New Technologies for Environment Control, Energy saving and Crop Production in Greenhouses and Plant Factory - GreenSys2013», October 6-10, 2013, Jeju, Korea).Session - CFD
- 2015: 7th International Conference for Precision Livestock Farming, 15-18 September, Milano, Italy
- 2016: CIGR - AgEng joint conference, 26 – 29 June, Aarhus, Denmark, Session CFD
- 2017: 8th European Conference on Precision Livestock Farming (EC-PLF), Nante, France. Session: Dust and Ventilation for pigs/chickens / Session: Emissions
- 2018: XXX ISHS Conference. Session: Greenhouse Structures
- 2019: 11ο Πανελλήνιο Συνέδριο Γεωργικής Μηχανικής, Βόλος, 8 Νοεμβρίου 2019
- 2019: GrenSys 2019, 16-20 June 2019, Angers, France
- 2021: EurAgEng 2021 Conference – 4-8 July 2021, Évora – PORTUGAL
- 2021: 12^ο Πανελλήνιο Συνέδριο της ΕΓΜΕ, 21 Οκτωβρίου 2021

3.3 ΕΠΙΣΤΗΜΟΝΙΚΕΣ ΟΡΓΑΝΩΣΕΙΣ

3.3.1 ΜΕΛΟΣ ΣΥΜΒΟΥΛΙΟΥ

- 2026-present. Chair of the CIGR working group II (WGII), Structures and Environment
- 2009-2011. Board Member of the Greek agricultural engineering society (**GrAgEng**-Greek Branch of the EuAgEng)
- Member of the management committee in the DairyCare COST action (www.dairycare.org)
- Member of the management committee in the COST action GroupHouseNet
- Chair of the management committee in the COST action LivAge
- 2021- Πρόεδρος ΔΣ της Spin off του Γεωπονικού Πανεπιστημίου Αθηνών SmartAgroHub A.E

3.3.2 ΜΕΛΟΣ

- **EurAgEng** - European Society of Agricultural Engineers
- **ISHS**, International Society of Horticulture Science (ISHS)
- **EIP-AGRI**, Member of the Expert Focus Group, Livestock Emissions

- **Animal Task Force**, Representing Greece, CErTH

3.3.3 ΣΥΝΤΟΝΙΣΤΗΣ

- **2015- 2017 CFD WG – ISHS**. Chair of CFD working group under the auspices of International Society of Horticulture Science (ISHS)
- **2016-2019**. Συντονιστής της ελληνικής πλατφόρμας καινοτομίας Αγροδιατροφής που εποπτεύεται από τη ΓΓΕΤ
- **2017-** σήμερα. Συντονιστής / εκπρόσωπος της ακαδημαϊκής / ερευνητικής κοινότητας στην ελληνική τεχνολογική πλατφόρμα Food for Life. Αντιπρόεδρος στο Συμβούλιο καθοδήγησης.
- **2018-2021**. Chair στην ευρωπαϊκή δράση δικτύωσης COST LivAge για τις εκπομπές αερίων θερμοκηπίου και αμμωνίας από κτηνοτροφικά κτίρια
- **2026-**σήμερα. Chair στο Section II of CIGR “Structures and Environment”
- **2021-2023**, Πρόεδρος, Ένωση Γεωργικών Μηχανικών Ελλάδος (ΕΓΜΕ)

3.4 ΠΡΟΣΚΕΚΛΗΜΕΝΕΣ ΟΜΙΛΙΕΣ (KEYNOTE)

- C. Kittas, T. Bartzanas, N. Katsoulas, 2009. Greenhouse heating- challenges in the Mediterranean region in light of the increase in fuel prices: a review and current trends in Greece. 19th Agro Mashov Exhibition, Israel Trade Fairs and Convention Center, Tel Aviv, Israel 14-15 January 2009
- C. Kittas, N. Katsoulas, T. Bartzanas, 2009. Characterization and analysis of the effects of greenhouse climate control equipment on greenhouse microclimate and crop response, GreenSys 2009, 14-19 June, 2009, Quebec Canada (invited presentation)
- C. Kittas, N. Katsoulas, T. Bartzanas, 2011. Effects of greenhouse climate control equipment on greenhouse microclimate and crop response. Protected Horticulture Advances and Innovations, Proceedings of 2011 and 2nd High-level International Forum on Protected Horticulture (invited presentation)
- Bartzanas T., Baxevanou K., Fidaros D., Kacira M., Boulard T., Fatnassi H., Bournet P E., Roy J C., Katsoulas N., Kittas C. 2013. The use of User Define Functions in CFD applications in greenhouses. Invited presentation, International Symposium «New Technologies for Environment Control, Energy saving and Crop Production in Greenhouses and Plant Factory - GreenSys2013», October 6-10, 2013, Jeju, Korea).
- Θ. Μπαρτζάνας, 2020. Έξυπνες τεχνολογίες στον αγροδιατροφικό τομέα για βιώσιμα συστήματα παραγωγής εν όψει κλιματικής αλλαγής. Ειδική Μόνιμη Επιτροπή Έρευνας και Τεχνολογίας, Αθήνα 12 Φεβρουαρίου 2020
- Bartzanas T., 2021. Towards Climate Neutral Farming Systems. International Webinar, Rural Green Energy, June 22, 2021
- Bartzanas T., 2021. ICT management for the environmental performance of farming systems, EFITA21
- Bartzanas T. 2022. Precise environmental control in broiler houses towards climate neutral production systems. VI workshop Internacional de Ambiencia de Preciso, 01-03 February 2022

3.5 ΑΝΑΦΟΡΕΣ

Πηγή	Συνολικές αναφορές	h-index	Τελευταία ενημέρωση
Google Scholar	8898	46	09/2026