

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

Αύγουστος 2020

Όνομα: Νικόλαος Γκουγκουλιάς

Βαθμίδα: Αναπληρωτής Καθηγητής

Τμήμα: Γεωπονίας-Αγροτεχνολογίας

Γνωστικό αντικείμενο: Γονιμότητα εδαφών και χημική σύσταση φυτικών ιστών

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ΤΙΤΛΟΙ ΣΠΟΥΔΩΝ

1. Πτυχίο χημείας με χρόνο κτήσης στις 08- 04-1987 από το Α.Π.Θ.
2. Διδακτορικό δίπλωμα με χρόνο κτήσης στις 30-12-2005 από το Agricultural University of Plovdiv, Bulgaria. ΔΟΑΤΑΠ, αριθμός πράξης: 4-1064, 15/12/2006.

Διδακτική Εμπειρία σε προπτυχιακά προγράμματα σπουδών

Έχει διδάξει επί 20 συναπτά έτη στο Τμήμα Φυτικής Παραγωγής και στο Τμήμα Τεχνολόγων Γεωπόνων του πρώην ΤΕΙ Θεσσαλίας τα παρακάτω μαθήματα:

Εδαφολογία, εφαρμοσμένη εδαφολογία, αξιοποίηση εδαφών, θρέψη και λίπανση καλλιεργειών, γεωργική χημεία και μεταποίηση αγροτικών προϊόντων.

Επίσης, διδάσκει από το 2019 στο Τμήμα Γεωπονίας-Αγροτεχνολογίας τα παρακάτω μαθήματα:

Γενική Χημεία-Βιοχημεία, Εδαφικοί Πόροι και Διαχείριση τους.

Διδακτική Εμπειρία σε μεταπτυχιακά προγράμματα σπουδών

A. Πρόγραμμα μεταπτυχιακών σπουδών με τίτλο «Σύγχρονες τεχνολογίες στον πρωτογενή τομέα και τη διαχείριση του περιβάλλοντος», του τμήματος τεχνολόγων γεωπόνων του ΤΕΙ Θεσσαλίας.

Διδασκαλία των παρακάτω μαθημάτων:

1. Μικροβιολογία εδάφους και εδαφοβελτιωτικών προϊόντων (ένα εξάμηνο).
2. Ποιότητα και Χρήση Αρδευτικού Νερού (ένα εξάμηνο).

B. Πρόγραμμα μεταπτυχιακών σπουδών με τίτλο «Ολοκληρωμένη διαχείριση αρωματικών και φαρμακευτικών φυτών», του τμήματος τεχνολόγων γεωπόνων του ΤΕΙ Θεσσαλίας.

Διδασκαλία των παρακάτω μαθημάτων:

1. Χημεία οργανικών ενώσεων στα αρωματικά και φαρμακευτικά φυτά (τρία εξάμηνα).
2. Ποιοτικός έλεγχος δρογών και αιθέριων ελαίων (τρία εξάμηνα).
3. Καλλυντικά - Παραφαρμακευτικά Σκευάσματα (δυο εξάμηνο).

Επιβλέπων καθηγητής σε προπτυχιακές διατριβές που έχουν ολοκληρωθεί

34. Ολοκληρωμένη διαχείριση θρεπτικών στοιχείων στον αμπελώνα.

Επιβλέπων καθηγητής: Νικόλαος Γκουγκουλιάς

Φοιτήτρια: Στυλιανή Γραβάνη

33. Επίδραση φυλλικών ιστών κρίταμου στην οργανική ουσία του εδάφους και στις χημικές ιδιότητες του εδάφους για ένα πείραμα επώασης.

Επιβλέπων καθηγητής: Νικόλαος Γκουγκουλιάς

Φοιτητής: Σπυρίδων Ζαφειριάδης

32. Χημικές και βιολογικές ιδιότητες ενός εδάφους που τροποποιήθηκε με υπολείμματα σπόρων κάνναβης που παρέμειναν μετά την εκχύλιση του ελαίου.
Επιβλέπων καθηγητής: Νικόλαος Γκουγκουλιάς
Φοιτήτριες: Βασιλική Καραγιάννη και Χαρίκλεια Παπαϊωάννου

31. Μελέτη χρήσης των αποβλήτων ελαιοτριβείου στην Γεωργία.
Επιβλέποντες καθηγητές: Νικόλαος Γκουγκουλιάς - Αγαθός Φιλίντας
Φοιτητής: Στυλιανός Βλάχος

30. Μελέτη των πολυφαινολών και της αντιοξειδωτικής δύναμης κατά τη διάρκεια ωρίμανσης διαφορετικών ποικιλιών σταφυλιού από την περιοχή Τυρνάβου Λάρισας.
Επιβλέπων καθηγητής: Γκουγκουλιάς Νικόλαος
Φοιτήτρια: Πράπα Ελένη

29. Επίδραση φυλλικών ιστών Κάνναβης Sativa στην αποικοδόμηση της οργανικής ουσίας και στις άλλες χημικές ιδιότητες του εδάφους.
Επιβλέπων καθηγητής: Γκουγκουλιάς Νικόλαος
Φοιτητής: Πατελοδήμος Γρηγόριος-Παναγιώτης.

28. Η βιοαποικοδόμηση του υπολείμματος πράσινου καφέ Robusta και Arabica στο έδαφος και οι επιπτώσεις στις χημικές ιδιότητες του εδάφους, σε ένα πείραμα επώασης, 2019.
Επιβλέπων καθηγητής: Γκουγκουλιάς Νικόλαος
Φοιτητής: Περιβολάρης Νικόλαος.

27. Μελέτη των πολυφαινολών και της αντιοξειδωτικής ενεργητικότητας διαφορετικών ποικιλιών πορτοκαλιού από την περιοχή Αργολίδας, 2019.
Επιβλέπων καθηγητής: Γκουγκουλιάς Νικόλαος
Φοιτητής: Σταυρόπουλος Γεώργιος-Χρήστος.

26. Ποιότητα Ελαιολάδου στην περιφερειακή ενότητα Μαγνησίας, 2018.
Επιβλέπων καθηγητής: Γκουγκουλιάς Νικόλαος
Φοιτητές: Κανέλλος Απόστολος – Μπέλλος Ελευθέριος.

25. Εδαφολογική ανάλυση στην εξαετή καλλιέργεια της Αγριοαγκινάρας, 2018.
Επιβλέπων καθηγητής: Γκουγκουλιάς Νικόλαος
Φοιτήτρια: Νικητοπούλου Αναστασία.

24. Μελέτη των πολυφαινολών και της αντιοξειδωτικής δύναμης διαφορετικών ποικιλιών σταφυλιού από την περιοχή Ελασσόνας, 2018.
Επιβλέπων καθηγητής: Γκουγκουλιάς Νικόλαος
Φοιτητές: Ντέρκου Πολυξένη – Ασλανίδης Βαλέριος.

23. Η Παραγωγή και η Ποιότητα του Τσίπουρου, 2018.
Επιβλέπων καθηγητής: Γκουγκουλιάς Νικόλαος
Φοιτητής: Ματεντσίδης Αθανάσιος.

22. Σύσταση και φυσικοχημικές ιδιότητες που επηρεάζουν την ποιότητα του μελιού, 2018.
Επιβλέποντες: Μακρίδης Χρήστος – Γκουγκουλιάς Νικόλαος
Φοιτητής: Μανώλης Ιωάννης.

21. Μελέτη των πολυφαινολών και της αντιοξειδωτικής δύναμης διαφορετικών ποικιλιών ελιάς στην περιοχή της Λάρισας, 2018.
Επιβλέπων καθηγητής: Γκουγκουλιάς Νικόλαος
Φοιτητές: Εμμανουήλ Δημήτριος και Αλατάς Ιωάννης.

20. Εργαστηριακή μελέτη του αίματος των ζώων από σφαγεία, στις χημικές ιδιότητες του εδάφους, 2017.
Επιβλέπων καθηγητής: Γκουγκουλιάς Νικόλαος
Φοιτητής: Ντούγκος Φίλιππος.

- 19.** Ποιότητα του οίνου στην περιοχή της Ξάνθης, 2017.
Επιβλέπων καθηγητής: Γκουγκουλιάς Νικόλαος
Φοιτητής: ΙΡΦΑΝ ΑΧΜΕΤΣΙΚ.
- 18.** Μελέτη των πολυφαινολών και της αντιοξειδωτικής δύναμης διαφορετικών ποικιλιών Ελιάς από την περιοχή της Χαλκιδικής, 2017.
Επιβλέπων καθηγητής: Γκουγκουλιάς Νικόλαος
Φοιτήτριες: Κανούλα Παναγιώτα και Μικέ Ελένη
- 17.** Μελέτη των πολυφαινολών και της αντιοξειδωτικής δύναμης διαφορετικών ποικιλιών ελιάς από την Πάρο, 2017.
Επιβλέπων καθηγητής : Γκουγκουλιάς Νικόλαος
Φοιτητής: Σαμαλτάνης Στυλιανός.
- 16.** Συγκριτική μελέτη αιθέριου ελαίου ποικιλιών δενδρολίβανου (*Rosmarinus officinalis*) σε διαφορετικές καλλιεργητικές τεχνικές, 2016.
Επιβλέποντες: Βογιατζή Καμβούκου Ελένη – Γκουγκουλιάς Νικόλαος
Φοιτήτριες: Παπαδούλη Ζωή – Θεοδοσίου Βάια.
- 15.** Μελέτη των πολυφαινολών και των αντιοξειδωτικών ιδιοτήτων στα σταφύλια των τοπικών ποικιλιών της Πάρου και του Παραγόμενου κρασιού από αυτές, 2016.
Επιβλέποντες : Γκουγκουλιάς Νικόλαος- Καλφούντζος Δημήτριος
Φοιτητής: Κρητικός Δημήτριος.
- 14.** Μελέτη της περιεκτικότητας των πολυφαινολών και των αντιοξειδωτικών ιδιοτήτων στις επιτραπέζιες ποικιλίες σταφυλιών Victoria και Muscat Hamburg που καλλιεργούνται στην περιοχή του νομού Λάρισας, 2016.
Επιβλέποντες : Γκουγκουλιάς Νικόλαος- Καλφούντζος Δημήτριος
Φοιτήτρια: Φόλα Ευγενία.
- 13.** Χρήση μίγματος στερεών και υγρών αποβλήτων ελαιοτριβείου ως λίπασμα σε θερμοκηπιακή καλλιέργεια οπωροκηπευτικών, 2016.
Επιβλέπων : Γκουγκουλιάς Νικόλαος
Φοιτητές: Μπλέκας Δημήτριος - Μπουντίνας Ιωάννης.
- 12.** Εργαστηριακή μελέτη επίδρασης των στερεών αποβλήτων παραγωγής βιοντίζελ από άλγεις (*Chlorella Vulgaris*) στις χημικές ιδιότητες του εδάφους, 2016.
Επιβλέποντες : Γκουγκουλιάς Νικόλαος- Παπαχατζής Αλέξανδρος
Φοιτήτρια: Σαλονικιώτη Αφροδίτη.
- 11.** Παραγωγή και Εμφιάλωση Τσίπουρου και Ούζου, 2014.
Επιβλέπων: Γκουγκουλιάς Νικόλαος
Φοιτήτρια: Καμινιώτη Παναγιώτα.
- 10.** Ηλεκτρική αγωγιμότητα θρεπτικού διαλύματος σε υδροπονική καλλιέργεια τομάτας στο θερμοκήπιο και θρεπτική κατάσταση των φυτών, 2014.
Επιβλέπων: Γκουγκουλιάς Νικόλαος
Φοιτήτρια: Γκουντουβά Ευδοκία.
- 9.** Εφαρμογή υπολειμμάτων υποστρώματος υδροπονίας από κοκοφοίνικα ως λίπανση σε θερμοκηπιακή καλλιέργεια Τομάτας, 2013.
Επιβλέπων: Γκουγκουλιάς Νικόλαος
Φοιτητές: Κασιμάτης Γεωργιος και Φτάκας Δημήτριος.
- 8.** Εργαστηριακή αξιολόγηση εφαρμογής κοκοφοίνικα στο έδαφος ως εδαφοβελτιωτικού (υπόστρωμα υδροπονίας) ύστερα από τη χρήση του σε υδροπονική καλλιέργεια, 2012.
Επιβλέπων: Γκουγκουλιάς Νικόλαος
Φοιτήτρια: Τούλιου Ευτυχία.
- 7.** Η εξέλιξη της αλατότητας σε θρεπτικό διάλυμα και σε υδροπονική καλλιέργεια τομάτας θερμοκηπίου, 2012.

Επιβλέπων: Γκουγκουλιάς Νικόλαος

Φοιτητής: Βαρδούλης Αλέξανδρος.

6. Μεταποίηση και Τυποποίηση Ελαιολάδου, 2012.

Επιβλέπων: Γκουγκουλιάς Νικόλαος

Φοιτήτρια: Μόκα Στυλιανή.

5. Παραγωγή λιπασματικού μίγματος με στερεά και υγρά απόβλητα ελαιοτριβείων, 2011.

Επιβλέπων: Γκουγκουλιάς Νικόλαος

Φοιτητές: Βαρδάκας Ευάγγελος και Κουλμανδά Σταυρίτσα.

4. Εξέλιξη της αλατότητας του εδάφους σε καλλιέργεια θερμοκηπίου, 2011.

Επιβλέπων: Γκουγκουλιάς Νικόλαος

Φοιτήτρια: Μπαλτούμη Μαρία.

3. Λιπαντική καταλληλότητα του κατσίγαρου, 2011.

Επιβλέπων: Γκουγκουλιάς Νικόλαος

Φοιτητές: Ζούσης Δημήτριος και Φλώρος Χρήστος.

2. Εργαστηριακή αξιολόγηση εφαρμογής αποβλήτων ελαιοτριβείου στο έδαφος, 2010.

Επιβλέπων: Γκουγκουλιάς Νικόλαος

Φοιτήτρια: Στεργίου Ελευθερία.

1. Εξέλιξη της αλατότητας του εδάφους σε καλλιέργεια θερμοκηπίου, 2010.

Επιβλέπων: Γκουγκουλιάς Νικόλαος

Φοιτήτρια: Παπαδήμα Παρασκευή.

Επιβλέπων καθηγητής σε μεταπτυχιακές διατριβές που έχουν ολοκληρωθεί:

6. Μελέτη της σύστασης των πολυφαινολών και της αντιοξειδωτικής ενεργητικότητας σε ορισμένα αυτοφυή αρωματικά και φαρμακευτικά φυτά της Θεσσαλίας, 2020.

Μεταπτυχιακός φοιτητής: Αλέξανδρος Βεγγόπουλος.

5. Καλλυντικές κρέμες με δραστικά συστατικά φυτικής προελεύσεως, 2020.

Μεταπτυχιακός φοιτητής: Κωνσταντίνος Μπούτλας.

4. Παραγωγή σαπουνιού με φυσικές χρωστικές και αιθέρια έλαια, 2020.

Μεταπτυχιακή Φοιτήτρια: Αντωνιάδου Άννα.

3. Εφαρμογή επεξεργασμένων υγρών αποβλήτων σε Χλοοτάπητα, 2019.

Μεταπτυχιακή Φοιτήτρια: Δρογοΐδου Αικατερίνη.

2. Μεταβολή των πολυφαινολών και της αντιοξειδωτικής δύναμης στους καρπούς γλυκιάς πιπεριάς κατά την ανάπτυξη της σε θερμοκηπιακή καλλιέργεια, 2018.

Μεταπτυχιακός Φοιτητής: Παπαθανασίου Θεόδωρος.

1. Μελέτη των πολυφαινολών και της αντιοξειδωτικής δύναμης σε διαφορετικές ποικιλίες ραδικιών, 2018.

Μεταπτυχιακή Φοιτήτρια: Καραμπούλα Αναστασία.

Μέλος 7/μελούς εξεταστικής επιτροπής για την κρίση διδακτορικής διατριβής

1. Θέμα «Αλληλεπίδραση καλλιεργητικών τεχνικών με την οργανική ουσία του εδάφους, τις εκπομπές αερίων των θερμοκηπίου και την δομή του εφάφους». Της κ. Γούλα Ιωάννας-Μαρίας, Τμήματος Γεωπονίας, Φυτικής Παραγωγής και Αγροτικού Περιβάλλοντος, Πανεπιστημίου Θεσσαλίας, 1 Ιουλίου 2020.
Επιβλέπων καθηγητής: Γέμτος Θεοφάνης.

Πανεπιστημιακά Συγγράμματα

5. Χημικές βιοδραστικές ενώσεις αρωματικών και φαρμακευτικών φυτών

- Ελένη Κ. Βογιατζή - Νικόλαος Κ. Γκουγκουλιάς
 Εκδόσεις γραμμικό, Λάρισα, 2017, σελ.130, ISBN: 978-960-9506-16-8.
- 4. Μέθοδοι ανάλυσης του εδάφους**
 Νικόλαος Κ. Γκουγκουλιάς
 Εκδόσεις γραμμικό, Λάρισα, 2016, σελ. 152, ISBN:978-960-9506-14-4.
- 3. Μεταποίηση αγροτικών προϊόντων - μέθοδοι ανάλυσης**
 Νικόλαος Κ. Γκουγκουλιάς
 Εκδόσεις Γραμμικό, Λάρισα, 2011, σελ. 151, ISBN: 978-960-9506-07-6.
- 2. Μεταποίηση Αγροτικών Προϊόντων**
 Νικόλαος Γκουγκουλιάς-Αλέξανδρος Παπαχατζής
 Εκδόσεις Γραμμικό, Λάρισα, 2011, σελ. 189, ISBN: 978-960-9506-08-3.
- 1. Λίπανση των καλλιεργειών και μέθοδοι προσδιορισμού**
 Νικόλαος Χουλιαράς
 Εκδόσεις ίων, Αθήνα, 2008, σελ. 286, ISBN:978-960-411-697-3.
 Επιμέλεια της περιγραφής των μεθόδων χημικής ανάλυσης.

Διατριβή

Στην Επιστημονική ειδικότητα «Αμπελουργία» με τίτλο «Συγκριτική μελέτη των φαινολών σαν αντιοξειδωτικά στο σταφύλι και το κρασί από διαφορετικές περιοχές της Ελλάδας και της Βουλγαρίας».

Κριτής σε επιστημονικά περιοδικά (Scopus):

5. CYTA-Journal of Food.
4. Romanian Biotechnological Letters.
3. Emirates Journal of Food and Agriculture.
2. The Chemical Society of Ethiopia.
1. Chemical Industry & Chemical Engineering Quarterly.

► Συμμετοχή με αμοιβή σε ερευνητικά προγράμματα.

ΕΠΙΤΡΟΠΗ ΕΚΠΑΙΔΕΥΣΗΣ ΚΑΙ ΕΡΕΥΝΩΝ ΠΑΝΕΠΙΣΤΗΜΙΟΥ ΘΕΣΣΑΛΙΑΣ

20. Ειδικός Λογαριασμός Κονδυλίων Έρευνας του Πανεπιστήμιο Θεσσαλίας, έργο με τίτλο «Αξιοποίηση υγρών αποβλήτων για καλλιέργεια μικροφυκών και χρησιμοποίηση αυτών προς παραγωγή βιοντήζελ και συμπληρωμάτων ιχθυοτροφών-Γενικό Τμήμα Λάρισας» και κωδικό 5944. Συμμετοχή από 19/06/2019 έως 8/07/2021.
19. Ειδικός Λογαριασμός Κονδυλίων Έρευνας του Πανεπιστήμιο Θεσσαλίας, έργο με τίτλο «Έλεγχος ποιότητας αερίων, υγρών και στερεών εκροών της μονάδας βιοαέριο ΑΦΟΙ ΣΕΪΤΗ Α.Ε. και μελέτη χρήσης των υγρών και στερεών εκροών για την λίπανση αγρών» και κωδικό 6085. Συμμετοχή από 03/07/2019 έως 16/05/2022.

ΕΠΙΤΡΟΠΗ ΕΚΠΑΙΔΕΥΣΗΣ ΚΑΙ ΕΡΕΥΝΩΝ ΤΕΙ ΘΕΣΣΑΛΙΑΣ

18. Επιτροπής Εκπαίδευσης και Ερευνών του Τ.Ε.Ι. Θεσσαλίας, έργο με τίτλο «Τριπτόλεμος (Αμπελουργία και οινολογία. Από το σταφύλι στο κρασί)» και κωδικό 5260. Συμμετοχή στο πρόγραμμα από 01/03/2018 έως 31/05/2018.
17. Επιτροπής Εκπαίδευσης και Ερευνών του Τ.Ε.Ι. Θεσσαλίας, έργο με τίτλο «Χημική ανάλυση χορτοδοτικών φυτών». Συμμετοχή στο πρόγραμμα από 01/02/2017 έως 30/09/2017 για αναλύσεις δειγμάτων χορτοδοτικών φυτών.
16. Επιτροπής Εκπαίδευσης και Ερευνών του Τ.Ε.Ι. Θεσσαλίας, έργο με κωδικό 3971 και τίτλο «Παροχή υπηρεσιών μετρήσεων αιθέριων ελαίων καφέ». Συμμετοχή

στο πρόγραμμα από 30/12/2016 έως 31/12/2017 για μέτρηση αντιοξειδωτικών ιδιοτήτων και φαινολών με τη μέθοδο FRAP σε δυο διαφορετικές ποικιλίες καφέ (Robusta και Arabica) και για αναλύσεις σημαντικότητας του καφέ ως εδαφοβελτιωτικού στην κομποστοποίηση.

15. Με την υπ. αριθμ. 199/19-01-2016/Θ10Α απόφαση του Συλλογικού Οργάνου της Επιτροπής Εκπαίδευσης και Ερευνών του Τ.Ε.Ι. Θεσσαλίας, έργο με κωδικό 3963 και τίτλο «Πρόγραμμα Δια Βίου εκπαίδευσης με τίτλο: Ολοκληρωμένη διαχείριση Φαρμακευτικών και Αρωματικών Φυτών» από 24-02-2016 μέχρι 31-12-2016 για Διδασκαλία του μαθήματος Οργανική Χημεία 4 ώρες.
14. Με την υπ. αριθμ. 183/28-05-2015/Θ13Θ απόφαση του Συλλογικού Οργάνου της Επιτροπής Εκπαίδευσης και Ερευνών του Τ.Ε.Ι. Θεσσαλίας, έργο με κωδικό 3924 και τίτλο «ΠΕΓΑ - Προσαρμογή της Γεωργικής Παραγωγής στην κλιματική αλλαγή και ειδικότερα στην περιορισμένη χρήση υδάτινων πόρων». Συμμετοχή στο πρόγραμμα από 01/08/2015 μέχρι 31/10/2015 για α) Ανάπτυξη του εκπαιδευτικού υλικού του μαθήματος Διαχείριση αποβλήτων – Επαναχρησιμοποίηση και β) Διδασκαλία συνολικά 10 ώρες: 5 ώρες για το μάθημα Διαχείριση Φυσικών πόρων – Συστήματα Λίπανσης, 5 ώρες για το μάθημα Διαχείριση αποβλήτων - Επαναχρησιμοποίηση.
13. Με την υπ. Αρ. 152/04-09-2013 απόφαση της Επιτροπής Εκπαίδευσης και Ερευνών του Τ.Ε.Ι. Θεσσαλίας, έργο με κωδικό 4851 και τίτλο «Παραγωγή Βιοκαυσίμων από Άλγεις (Algal Biofuel Production)» Συμμετοχή στο πρόγραμμα από 05/09/2013 μέχρι 30/06/2015 και παραδοτέα:
 1. Λειτουργία του αντιδραστήρα πιλοτικής κλίμακας.
 2. Παραχθείσα βιομάζα άλγεων.
 3. Μετατροπή του ελαίου των Άλγεων σε βιοκαύσιμο και έλεγχος της ποιότητας του βιοκαυσίμου.
 4. Παραχθέν βιοκαύσιμο.
 5. Διερεύνηση και μελέτη τεχνικής σκοπιμότητας για τη χρήση της βιομάζας των άλγεων ως λίπασμα.
 6. Διερεύνηση και μελέτη τεχνικής σκοπιμότητας για τη χρήση της βιομάζας των άλγεων ως συμπλήρωμα ζωοτροφών.
 7. Μελέτη Τεχνικής Σκοπιμότητας για την παραγωγή όλων των προϊόντων σε μεγάλη κλίμακα.
12. Με την υπ. Αριθ.: 64 /17/02/2010 απόφαση της Επιτροπής Εκπαίδευσης και Ερευνών, του Τ.Ε.Ι. Λάρισας, έργο με τίτλο «Βελτίωση παραγωγικής διαδικασίας και παραγωγή μυζήθρας με βελτιωμένα οργανοληπτικά» και κωδ. 0069 για την εκπόνηση μελέτης, ανάπτυξη νέου προϊόντος, χημικές αναλύσεις και τεχνική έκθεση. Συμμετοχή στο πρόγραμμα από 15/4/2011 μέχρι 15/8/2011.
11. Με την υπ. Αριθ.: 64 /17/02/2010 απόφαση της Επιτροπής Εκπαίδευσης και Ερευνών του Τ.Ε.Ι. Λάρισας, έργο με τίτλο « Μελέτη παραγωγής κεριών αρωματικών και για αρωματοθεραπεία με χρήση αιθέριων ελαίων και εκχυλισμάτων με κωδ. 0070 για την εκπόνηση μελέτης, πειραματική ανάπτυξη, τεχνική έκθεση». Συμμετοχή στο πρόγραμμα από 15/4/2011 μέχρι 15/8/2011.
10. Με την υπ. αριθ. 86/22-2-2011 απόφαση της Επιτροπής Εκπαίδευσης και Ερευνών του Τ.Ε.Ι. Λάρισας, έργο με τίτλο « Α.ΤΡΩ.ΤΟ. Αν ΤΡΩγαμε ΤΟπικά». Συμμετοχή στο πρόγραμμα από 01/04/2011 - 30/11/2011 για την διεξαγωγή χημικών αναλύσεων τοπικών και φυσικών προϊόντων. Αξιολόγηση της σύστασης.
9. Αποτίμηση εισροών - εκροών Βαρέων Μετάλλων στις κτηνοτροφικές μονάδες και διακύμανση τους στα Ζωοκομικά προϊόντα, που προορίζονται για ανθρώπινη

κατανάλωση του έργου «ΠΕΡΙΒΑΛΛΟΝ – ΑΡΧΙΜΗΔΗΣ 2», που χρηματοδοτείται από το Γ ΚΠΣ. Συμμετοχή στο πρόγραμμα από 22-12-2006 έως 31-12-2007 ως συντονιστής για τις χημικές αναλύσεις των δειγμάτων, στην ατομική απορρόφηση (AAS).

8. Αντιμετώπιση ζιζανίων με τη χρήση αρωματικών φυτών και αιθέριων ελαίων στα πλαίσια της ολοκληρωμένης διαχείρισης γεωργικής παραγωγής και της βιολογικής γεωργίας του έργου «ΑΡΧΙΜΗΔΗΣ 2». που χρηματοδοτείται από το Γ ΚΠΣ. Συμμετοχή στο πρόγραμμα από 01-01-2005 έως 31-12-2006 για την διεξαγωγή εδαφολογικών αναλύσεων και επίδρασης αρωματικών φυτών στους μικροοργανισμούς του εδάφους.
7. Βιολογική αντιμετώπιση αδρομυκώσεων και νηματωδών, με βιολογικούς ανταγωνιστές, αιθέρια έλαια, οργανικά πρόσθετα και αμειψισπορά του έργου «ΑΡΧΙΜΗΔΗΣ 1». Ενίσχυση ερευνητικών ομάδων στο ΤΕΙ/Α, που χρηματοδοτείται από το Γ ΚΠΣ. Συμμετοχή στο πρόγραμμα από 13-05-2004 έως 31-12-2007 για παραλαβή δειγματοληψιών και διεξαγωγή εργαστηριακών και χημικών προσδιορισμών.

ΚΕΝΤΡΟ ΤΕΧΝΟΛΟΓΙΚΗΣ ΕΡΕΥΝΑΣ ΘΕΣΣΑΛΙΑΣ

6. Κέντρο τεχνολογικής έρευνας Θεσσαλίας, στο πλαίσιο του έργου « Έλεγχος ποιότητας αερίων, υγρών και στερεών εκροών της μονάδας βιοαέριο ΑΦΟΙ ΣΕΙΤΗ Α.Ε.» από 22/06/2017 έως 21/06/2019 και με παραδοτέα.
 - Μετρήσεις περιεκτικότητας του υγρού και στερεού οργανικού λιπάσματος σε άζωτο, φώσφορο και κάλιο.
 - Μετρήσεις του στερεού οργανικού λιπάσματος σε οργανική ύλη και βαρέα μέταλλα.
 - Μετρήσεις του υγρού κλάσματος σε βαρέα μέταλλα.
5. Κέντρο τεχνολογικής έρευνας Θεσσαλίας, στο πλαίσιο του έργου « Μελέτη αξιοποίησης απειλωμένης ιλύος διυλιστηρίου και προϊόντος βιοεξυγίανσης αυτής στη βιομηχανία δομικών κεραμικών» της Εταιρείας ΕΛΛΗΝΙΚΑ ΠΕΤΡΕΛΑΙΑ από 16/12/2016 έως 16/3/2017 και με παραδοτέα:
 - Χημική ανάλυση και χαρακτηρισμό των δειγμάτων απειλωμένης ιλύος και προϊόντος βιοεξυγίανσης αυτής πριν την Παρασκευή των δοκιμίων.
 - Χημική ανάλυση των πηλωδών χωμάτων-πρώτων υλών για την παραγωγή κεραμικών δοκιμίων.
 - Δοκιμές Βουγιούκου για τις πρώτες ύλες πηλωδών χωμάτων και μίγματα αυτών με προϊόν βιοεξυγίανσης.
 - Μέτρηση σύστασης στραγγισμάτων από τα παραχθέντα δοκίμια.
4. Κέντρο τεχνολογικής έρευνας Θεσσαλίας, ως ειδικός επιστήμων στο πλαίσιο του έργου «Έλεγχος ποιότητας αερίων, υγρών και στερεών εκροών της μονάδας βιοαέριο ΑΦΟΙ ΣΕΙΤΗ Α.Ε. και μελέτη χρήσης των υγρών και στερεών εκροών για τη λίπανση των αγρών » από 9/03/2016 έως 8/03/2017 και με παραδοτέα αποτελέσματα των μετρήσεων ολικού Αζώτου, Φωσφόρου, βαρέων μετάλλων στα υγρά και στερεά Απόβλητα και αξιολόγηση της καταλληλότητας τους για την λίπανση των αγρών.
3. Κέντρο τεχνολογικής έρευνας Θεσσαλίας, επιστημονική υποστήριξη του προγράμματος « FREE-MED για τη διαχείριση των υδάτινων πόρων και τη βιώσιμη ανάπτυξη » της Εταιρίας ICAP. Συμμετοχή στο πρόγραμμα από 01/06/2011 - 31/03/2012 για την μελέτη της χημικής σύστασης των ποτάμιων υδάτων στη Θεσσαλία.

ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΕΣΣΑΛΙΑΣ

2. Πανεπιστήμιο Θεσσαλίας / ειδικός λογαριασμός Κονδυλίων Έρευνας που εδρεύει στο Βόλο έργο με κωδικό 4494 και τίτλο «ΘΑΛΗΣ-ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΕΣΣΑΛΙΑΣ- Φιλική προς το περιβάλλον παραγωγή βιομάζας » επιστημονικός υπεύθυνος Γέμτος Θεοφάνης. Συμμετοχή στο πρόγραμμα από 1/10/2015 μέχρι 30/11/2015 για ΤΕΧΝΙΚΗ ΕΚΘΕΣΗ ΕΛΑΦΙΚΩΝ ΧΑΡΑΚΤΗΡΙΣΤΙΚΩΝ ΠΕΙΡΑΜΑΤΩΝ.
1. Πανεπιστήμιο Θεσσαλίας / ειδικός λογαριασμός Κονδυλίων Έρευνας που εδρεύει στο Βόλο έργο με κωδικό 4494 και τίτλο «ΘΑΛΗΣ-ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΕΣΣΑΛΙΑΣ- Φιλική προς το περιβάλλον παραγωγή βιομάζας » επιστημονικός υπεύθυνος Γέμτος Θεοφάνης. Συμμετοχή στο πρόγραμμα από 1/6/2012 μέχρι 30/6/2014 για ΤΕΧΝΙΚΗ ΕΚΘΕΣΗ ΕΛΑΦΙΚΩΝ ΧΑΡΑΚΤΗΡΙΣΤΙΚΩΝ ΠΕΙΡΑΜΑΤΩΝ.

► Δημοσιεύσεις σε διεθνώς αναγνωρισμένα επιστημονικά περιοδικά με κριτές (Scopus)

Μετά την εκλογή του στην βαθμίδα του Αναπληρωτή Καθηγητή

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61. GIANNOULIS, K., PLATIS, I., **GOUGOULIAS, N.**, WOGIATZI, E. 2020. INFLUENCE OF *Trichoderma harzianum* AND *Glomus mycorrhiza* ON BIOMASS AND ESSENTIAL OIL YIELD OF ORGANIC *Ocimum basilicum* CULTIVATION. *Agriculture & Forestry*, Vol. 66 Issue 3: 139-154.
60. Giannoulis, K. D., Kamvoukou, C. A., **Gougoulis, N.**, & Wogiatzi, E. (2020). *Matricaria chamomilla* L. (German chamomile) flower yield and essential oil affected by irrigation and nitrogen fertilization. *Emirates Journal of Food and Agriculture*, 32(5): 328-335.
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Πριν την εκλογή του στην βαθμίδα του Αναπληρωτή Καθηγητή

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48. **Nikolaos Gougoulias**, Liviu Giurgiulescu, Ioannis Vagelas, Eeni Wogiatzi, Maria-Nektaria Ntalla. 2017. Changes in Total Phenol Content and Antioxidant Activity of Greek Table Olive Cultivar Amfissis During Maturation. *STUDIA UBB CHEMIA*, Vol. 62 (LXII), 2, pp. 387-396.
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► **Κυλιόμενα διεθνή συνέδρια με κριτές (πρακτικά πλήρες κείμενο)**

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