

Δρ Βασίλειος Γκισάκης

*Dr. Vasileios Gkidakis*

Γεωπόνος – Εντεταλμένος ερευνητής

του Ελληνικού Γεωργικού Οργανισμού (ΕΛΓΟ) - ΔΗΜΗΤΡΑ

*Agronomist – researcher of the Hellenic Agricultural Organisation (ELGO) - DIMITRA*

Διεύθυνση εργασίας: Λακωνικής 87, Τ.Κ. 24100, Καλαμάτα, Μεσσηνία  
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Προπτυχιακές σπουδές/Bachelor studies:

- 2001, Πτυχίο Γεωπονίας, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης (ΑΠΘ) / *Bachelor in Agriculture, Aristotle University of Thessaloniki (AUTH)*

Μεταπτυχιακές σπουδές / Post-graduate studies:

- 2006, Μεταπτυχιακός τίτλος στην Αειφόρο Γεωργία, Μεσογειακό Αγρονομικό Ινστιτούτο Χανίων (ΜΑΙΧ) / *Msc in Sustainable Agriculture, Mediterranean Agronomic Institute of Chania (CIHEAM-MAICH)*
- 2016, Διδακτορικός τίτλος σπουδών (PhD), Scuola Superiore Sant'Anna, Πίζα, Ιταλία. Διδακτορική διατριβή επί της μελέτης συστημάτων & πρακτικών διαχείρισης ελαιώνων (βιολογικό, ολοκληρωμένο, συμβατικό) και ζωνών καλλιέργειας (πεδινή & λοφώδης) της ελιάς σχετικά με την επίδρασή στη λειτουργική βιοποικιλότητα (ωφέλιμη αρθρόποπανίδα & παράσιτα). Τίτλος: "Functional biodiversity of Cretan olive orchards as influenced by Management Intensity and Agroecological Zones". (Αναγνώριση ΔΟΑΤΑΠ: 4-1669)  
*PhD from Scuola Superiore Sant'Anna (SSSA), Pisa, Italy. Thesis title: "Functional biodiversity of Cretan olive orchards as influenced by Management Intensity and Agroecological Zones".*

Πιστοποιημένες γνώσεις / Certified skills & competences

- Γλώσσες: Αγγλικά (C2), Ισπανικά (B2), Ιταλικά (B2), Γερμανικά (B2)  
*Languages: English (C2), Spanish, (B2), Italian (B2), German (B2)*
- Χειρισμός Microsoft Office - Word, Excel & Internet (Cambridge International Diploma)  
*Certified IT skills in Microsoft office- Word, Excel & Internet (Cambridge International Diploma)*

Μεθοδολογικές & Τεχνικές δεξιότητες / Methodological & Technical skills

- Παραγωγή & διαχείριση αγενούς πολλαπλασιαστικού υλικού δένδροκομικών ειδών  
*Production & management of vegetative propagating material*
- Στατιστική Ανάλυση Δεδομένων (Canoco & SPSS), Πολύ-κριτηριακή ανάλυση αποφάσεων (Visual Promethee & TOPSIS)  
*Statistical analysis of Ecological Data (Canoco, SPSS), Multicriteria analysis (Visual Promethee & TOPSIS)*

Συνεργασίες με διεθνή επιστημονικά περιοδικά / Collaboration with scientific journals

- Κριτής σε 9 διεθνή επιστημονικά περιοδικά:  
*Reviewer in 9 international scientific journals:*  
i) Nature Publishing Group - Scientific Reports; ii) Agronomy; iii) Sustainability, iv) International Journal of Environmental Research and Public Health, v) Journal of Research and Applications in Agricultural Engineering; vi) Ecological indicators; vii) Journal of Sustainable Production and Consumption; viii) and ix) Agriculture, Ecosystems and Environment.
- Μέλος Συντακτικής Επιτροπής – Επιμέλεια θεματικών εκδόσεων του Sustainability Journal  
*Member of Editorial Board - Topic editor of Sustainability Journal*

Υποτροφίες / *Scholarships*

- Υποτροφία αριστείας στα πλαίσια της πρόσκλησης «Υποστήριξη ερευνητών με έμφαση στους νέους ερευνητές - κύκλος Β' / Ε.Π. ΑΝΑΔ-ΕΔΒΜ»  
*Scholarship of excellence (2020-2021) by the Greek state - Operational Programme of Human Resources Development. NSRF 2014-2020 (partly supported by the European Social Fund).*

Επιστημονικές εταιρείες & επιτροπές / *Scientific associations & committees*

- Μέλος της Διεθνούς Εταιρείας Επιστήμης των Οπωροκηπευτικών  
*Member of the International Society for Horticultural Science (ISHS)*
- Μέλος της Μόνιμης Επιτροπής Αγροτικής Έρευνας της ΕΕ (SCAR -EU) Ομάδα εργασίας για την Αγροοικολογία  
*Standing Committee on Agricultural Research (SCAR of EU): Member of the working group on Agroecology*
- Μέλος ΔΣ του European Association for Agroecology  
*Board member (elected) of the European Association for Agroecology (agroecology-europe.org)*  
Coordinator of organizing committee of the 2<sup>nd</sup> Agroecology Europe Forum (26-28 Sept. 2019)
- Συντονιστής του Αγροοικολογικού Δικτύου Ελλάδος  
*Moderator of the Agroecological Network of Greece (agroecology.gr)*

Διδακτική εμπειρία / *Teaching experience*

- 2017 – σήμερα / *today*, Μεσογειακό Αγρονομικό Ινστιτούτο Χανίων:  
Επισκέπτης καθηγητής στο μεταπτυχιακό πρόγραμμα σπουδών “Αειφορος Γεωργία”  
*Mediterranean Agronomic Institute of Chania (CIHEAM – MAICh)*  
*Visitor professor in the MSc programme “Sustainable Agriculture”*  
- Επιστημονικός σχεδιασμός & επίβλεψη μεταπτυχιακών διατριβών:  
*Scientific supervision of MSc theses:*
  - i) I. Michail. (2022-23) “Sustainable Approaches to Land & water Management in Mediterranean Drylands”
  - ii) M. Asewer (2021-22). “Energy use & greenhouse gases emissions in Mediterranean tree crops”
  - iii) O. Hrameche (2021-22, σε εξέλιξη). “Impact of olive grove agroecological practices on climate change mitigation-related indicators”
  - iv) S. Pilafidis (2020-21). “Assessment of agroecological practices in Cretan vineyards for the development of a Decision Support System for sustainable Viticulture”
  - v) K. Skorjanc (2019-20). “Mapping Agroecological farming: Application of a survey method & indicators system in olive orchards in Croatia and Crete, Greece”
  - vi) O. Hussain (2019-20). “Herbivore-Induced Plant Volatiles (HIPV) attractants in olive orchards: effect on canopy arthropods of the olive agroecosystem”
  - vii) M. Milosevic (2018-19): “Herbivore-Induced Plant Volatiles based attractants in olive orchards, through the evaluation of passive trapping methodologies of canopy arthropods”.
  - viii) A. Dimitrova (2017-18), “Comparison of different trapping methodology of the functional canopy arthropod diversity in the olive agroecosystem”.
- 2016-2021, Ελληνικό Μεσογειακό Πανεπιστήμιο, Ηράκλειο Κρήτης /  
*Hellenic Mediterranean University, Heraklion, Crete.*  
Συμβασιούχος καθηγητής – Σχολή Γεωπονίας /  
*Adjacent lecturer - School of Agriculture:*
  - i) Γενική Δενδροκομία / *General Pomology*, 2020-21
  - ii) Μεσογειακές Δενδρώδεις Καλλιέργειες - Ελαιοκομία / *Mediterranean Tree Crops*, 2019-20;
  - ii) Βιολογική Γεωργία / *Organic Farming*, 2016-17, 2017-18, 2018-19; 2020-21
  - iii) Παραγωγή & διαχείριση πολλαπλασιαστικού Υλικού/ *Plant propagation material*, 2018-19.
  - iv) Συστήματα Παραγωγής Τροφίμων / *Food Production Systems*, 2016-17 & 2017-18;
  - v) καλλιέργειες εκτός εδάφους / *Soilless culture*, 2019-2020
- 2019, Πανεπιστήμιο Vic – Κεντρικής Καταλονίας, Σχολή επιστημών & τεχνολογίας, Ισπανία  
*University of Vic – Central Catalunya (SGGW), Spain*  
Επισκέπτης καθηγητής  
*Visiting lecturer*

- 2017-18, Πανεπιστήμιο Βαρσοβίας, Σχολή Γεωπονίας & βιολογίας, Πολωνία (SGGW)  
*Warsaw University of Life Sciences (SGGW), Poland*  
Επισκέπτης καθηγητής  
*Visiting lecturer*
- 2017-18 Γεωπονικό Πανεπιστήμιο Plovdiv, Βουλγαρία  
*Agricultural University Plovdiv, Bulgaria*  
Επισκέπτης καθηγητής  
*Visiting lecturer*

## Επιστημονικές δημοσιεύσεις / *Scientific publications*

### Διεθνή επιστημονικά περιοδικά με κριτές / *International Scientific peer-reviewed Journals*

1. Pilafidis, S., Kosmas, E., Livieratos, I., & **Gkisakis, V. D.** (2023). Assessing energy use and greenhouse gas emissions in Cretan vineyards for the development of a crop-specific decision support tool. *Environment, Development and Sustainability*, 1-38.
2. Skiada, V., Katsaris, P., Kambouris, M. E., **Gkisakis, V.**, & Manoussopoulos, Y. (2023). Classification of olive cultivars by machine learning based on olive oil chemical composition. *Food Chemistry*, 429, 136793.
3. Georgopoulou, E., **Gkisakis, V. D.**, & Kabourakis, E. M. (2022). Land Snail Assemblages of Olive Orchards in Crete, Greece. *Diversity*, 14(7), 565.
4. Ebenso B., Otu A., Giusti A., Cousin P., Adetimirin V., Razafindralambo H., Effa E., **Gkisakis, V. D.**, Mounir M. (2022) Nature-based One Health approaches to urban agriculture can deliver food and nutrition security. *Frontiers J. 9: 773746*
5. Peeters, A., Lefebvre, O., Balogh, L., Barberi, P., Batello, C., Bellon, S., **Gkisakis, V. D.** & Wezel, A. (2020). A Green Deal for implementing agroecological systems: reforming the common agricultural policy of the European Union.
6. **Gkisakis, V. D.**, Volakakis N., Kosmas E. & Kabourakis, E. M. (2020). Developing a decision support tool for the environmental performance of olive production, in terms of energy use and greenhouse gases emissions. *J Sustain Prod Consum*, 24: 156-168.
7. Migliorini, P., Barberi, P., Bellon, S., Gaifami, T., **Gkisakis, V. D.**, Peeters, A., & Wezel, A. (2020). Controversial topics in agroecology: A European perspective. *Inter J Agric Nat Res*, 47(3), 159-173.
8. **Gkisakis, V. D.**, Volakakis N. & Kabourakis, E. M. (2020). Agroecological zones as an important driver of canopy arthropod community in olive agroecosystems. *Biol control*. 104319
9. **Gkisakis, V. D.** & Damianakis K., (2020). Digital innovations for the agroecological transition: A user innovation and Commons-based approach. *J Sustainable Organic Agric Syst*, 70 (2): 1-4
10. Dimitrova, A., Milošević, M., Spanos, T., Livieratos, I., **Gkisakis, V. D.**, (2020). Yellow or transparent? Comparison of sticky traps for monitoring functional arthropod diversity in an olive agroecosystem. *Anim Biodiv Conserv*, 43.1: 159–167
11. Migliorini P., **Gkisakis V.D.**, Gonzalez V., Barberi P. (2018). Agroecology in Mediterranean Europe: genesis, state and perspectives. *Sustainability J*, 10(8), 1-23.
12. **Gkisakis, V. D.**, Barberi, P. & Kabourakis, E. M. (2018). Olive canopy arthropods under organic, integrated and conventional management. The effect of farming practices, climate and landscape. *Agroecol Sust Food Sys*, 42 (8): 843-858
13. **Gkisakis, V. D.**, Volakakis N., Kollaros, D., Barberi, P. & Kabourakis, E. M. (2016). Soil arthropod community in the olive agroecosystem: Determined by environment & farming practices in different management systems & agroecological zones. *Agric Ecosyst Environ*, 218, 178-189.
14. **Gkisakis, V. D.**, Barberi, P., Livieratos, I. C., & Kabourakis, E. M. (2015). Soil arthropod diversity in organic, integrated, and conventional olive orchards and different agroecological zones in Crete, Greece. *Agroecol Sust Food Sys*, 39 (3), 276-294.
15. Klein D., **Gkisakis V.**, Krumbein A., Liveriatos Y., and Köpke U. (2010). Old and endangered tomato cultivars under organic greenhouse production: effect of harvest time on flavour profile and consumer acceptance. *Int. J Food Sci & Technology*, 45(11): 2250-2257.
16. Alvarez, J., Porwolik, S., Laconcha, I. **Gkisakis V.**, Vivanco, A., Gonzalez, I., et al. (2003). Detection of a *Salmonella enterica* serovar California strain spreading in Spanish feed mills and Genetic characterization with DNA Microarrays. *Appl Environ Microbiol*, 69: 7531-7534.

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\* Αντεπιστέλλων συγγραφέας / *Corresponding author*

Διεθνή Συνέδρια με κριτές / *International peer-reviewed conferences*

1. **Gkissakis V.D.**, Georgopoulou E., Kabourakis E.M. (2020) Olive orchard management and zones of cultivation affecting beneficial and edible fauna in Crete, Greece. Προφορική παρουσίαση στο International Conference on Agricultural, Biological & Life Science (AGBIOL) 2020. 1-3 Σεπτεμβρίου 2020, Edirne, Turkey.
2. Milosevic M., Dimitrova A., Livieratos I., & **Gkissakis V.D.** (2019). Olive production in a changing climate: Effect of herbivore-induced plant volatiles on functional canopy arthropods in the olive agroecosystem. ADAPTtoCLIMATE International conference 2019, June 2019.
3. Dimitrova A., Livieratos Y., **Gkissakis V.D.**, (2018). Trapping methodologies for functional canopy arthropod diversity in olive agroecosystem. 2<sup>nd</sup> Mediterranean Forum "Research and Innovation as Tools for Sustainable Agriculture, Food & Nutrition Security". 18-20 September 2018. CIHEAM-IAMB, Bari, Italy. *Journal Options Méditerranéennes A* 124: 60-66.
4. Kulišić B., Perovic M. (...), **Gkissakis V.**, Spanos T., Owen C., Rodik D., Pohajda I., Roggenabauer R., (2018). FarmCircle project: Young farmers as Circles of a Circular Economy. 164<sup>th</sup> EAAE Seminar: Preserving Ecosystem Services via Sustainable Agro-food Chains, 05 - 07 September, 2018, Chania, Greece.
5. **Gkissakis, V.D.**, (2017). "Diversify & minimize" Agroecological approaches for GHG mitigation & increasing resilience of Mediterranean agroecosystems. Climate Changing Agriculture International Conference, 29 August- 2 September 2017, Chania, Greece.
6. Kabourakis, E.M., **Gkissakis, V.D.**, Volakakis, N., (2017). Climate change & olive farming. The case of olive growing in different agroecological zones & under different management systems in Crete. Climate Changing Agriculture International Conference, 29/8 - 2/9 2017, Chania, Greece.
7. **Gkissakis V.D.**, (2016). Comparison of the environmental impact between olive oil & other edible oils: a literature review. 1<sup>st</sup> International Scientific Meeting on Olive Oil. 26-28/10 2016, Barcelona, Spain.
8. **Gkissakis, V.D.**, Volakakis N. & Kabourakis, E.M., (2016). Development of a decision support tool for on-farm assessment of energy consumption and greenhouse gas emissions in Cretan olive orchards. VII International Scientific Agriculture Symposium "Agrosym 2016" Jahorina, 6-9 October 2016, Bosnia & Herzegovina.
9. **Gkissakis, V. D.**, Kollaros, D., & Kabourakis E.M., (2015). Air arthropod community in different agroecological zones of the Cretan olive orchards, as determined by environment and farming practices. International Congress on Zoogeography & Ecology of Greece and Adjacent Regions, 13th ICZEGAR, 7-11 October 2015, Heraklion, Greece.
10. **Gkissakis, V. D.**, Kollaros, D., Barberi, P., Livieratos I. & Kabourakis E.M., (2015). Effect of management & environmental factors on soil arthropod diversity in organic, conventional & integrated olive orchards. Oral presentation & proceedings of ISHS International Symposium, Innovation in Integrated & Organic Horticulture, 8-12 June 2015, Avignon, France.
11. Volakakis, N., Bogka, G., **Gkissakis V.**, & Kabourakis E. (2015) Seasonal monitoring of olive fruit fly, *Bactrocera oleae* (Diptera: tephritidae) in different agroecological zones in Greece. Oral presentation and abstract in the 7th IOBC-WPRC. Integrated Protection of Olive Crops, 11-14 May 2015, Kalamata, Greece.
12. **Gkissakis, V.**, Kollaros, D., Barberi, P., Livieratos, I., & Kampourakis, E., (2014). Soil arthropod diversity in organic, integrated & conventional olive orchards in Crete. *Building Organic Bridges*, 2: 579-582.

Εκδόσεις, Πρακτικά συνεδρίων, άρθρα / *Editions, chapters, issue papers*

1. "Pests and diseases of the olive tree" (2020). Mini-paper. Έκδοση EIP– AGRI, Βρυξέλλες. Χρηματοδότηση: Ευρωπαϊκή Επιτροπή (*Funded by European Commission*).
2. **Gkissakis V.**, Bellon S., Barberi P., Migliorini P., Peeters A., Wezel A. (2019). Scaling out, moving forward. Proceedings of the 2nd Agroecology Europe Forum, September 26-28 Heraklion, Crete, Greece. Edition of Agroecology Europe. 82 p.
3. **Γκισάκης Β.**, Βακάλη Χ., Βεϊκοντής Γ., Παπαδόπουλος Π., Παπάζογλου Κ., Καλαϊτζογλου Κ., Διαλυνά Ι., Κοντελέ Β., Παλασιδής Κ., Τσίγγου Ρ., Χατζηγεωργίου Σ. (2019). Η προοπτική της Αγροοικολογίας στη γεωργία. Για τη μετάβαση προς ένα πραγματικά βιώσιμο αγροδιατροφικό σύστημα. Θεματική έκδοση του Αγροοικολογικού Δικτύου Ελλάδος. ISBN: 978-618-84512-0-9