



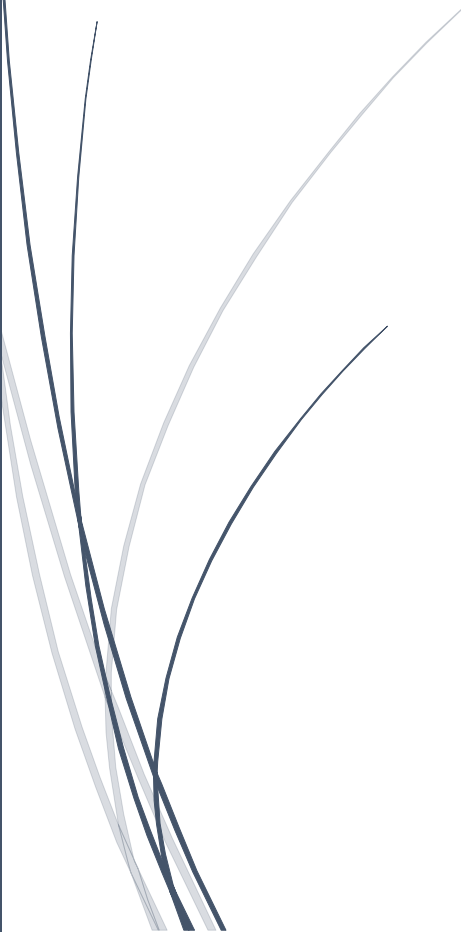
Curriculum Vitae

Dr. Anestis Karkanis

Assistant Professor of Weed Science

University of Thessaly

Department of Agriculture Crop Production and Rural Environment



Volos, 2019

1. Personal Data

Family Name: Karkanis

First Name: Anestis

Date of Birth: 21-03-1980

Nationality: Greek

Address: Laboratory of Weed Science, Department of Agriculture Crop Production and Rural Environment, University of Thessaly, Fytokoy Str., 38446, N. Ionia, Magnisia, Greece.

e-mail: akarkanis@agr.uth.gr, anekark80@yahoo.gr, **Tel:** +302421093135.

Military obligations fulfilled.

Present Position: Lecturer of Weed Science, Department of Agriculture Crop Production and Rural Environment, University of Thessaly, N. Ionia, Volos, Greece.

2. Academic Qualifications

1997-2002: Degree in Agriculture. Department of Crop Science, Agricultural University of Athens.

2002-2003: MSc in Field Crops and Plant Breeding. Department of Crop Science, Agricultural University of Athens.

2004–2007: PhD in Weed Science. Department of Crop Science, Agricultural University of Athens.

03/2010: I was elected as Lecturer of Weed Science in the Department of Agriculture Crop Production and Rural Environment, University of Thessaly.

9/2016: I was elected as Assistant Professor of Weed Science in the Department of Agriculture Crop Production and Rural Environment, University of Thessaly.

3. Main Research interests

- ✓ Weed biology, crop-weed interactions.
- ✓ Weed management in field crops and vegetables.
- ✓ Integrated weed management.
- ✓ Herbicide-resistant weeds and their management.
- ✓ Pharmaceutical and nutritional value of weeds.

4. Scholarships-Awards

1. Scholarships during two years (1999-2000 and 200-2001) of my undergraduate studies in Agricultural University of Athens given by Greek State Scholarships Foundation.
2. Scholarship from the Greek State Scholarships Foundation for 3 years PhD studies (2004-2007).

5. Language Skills

- Greek (mother language)
- English (Certificate of Lower in English, December 2003, University of Cambridge).

6. Computer Literacy

Skillful use of:

- Statgraphics,
- MS Word, MS Excel, MS Access, MS Power Point, MS Internet Explorer & Outlook Express and MS Windows XP (Certificate ECDL: European Computer Driving Licence).

7. Professional Experience

8/2002-9/2002: Agronomist at Agricultural Cooperative of «Oropedio teos limni Xianados»

3/2009-7/2009: Agronomist at OPEKEPE (Opekepe is the Greek Payment Authority of Common Agricultural Policy).

01/09/2010 έως 31/08/2011: Teaching of undergraduate courses in the Department of Agriculture Crop Production and Rural Environment, University of Thessaly.

15/10/2011 έως 15/07/2012: Teaching of undergraduate courses in the Department of Agriculture Crop Production and Rural Environment, University of Thessaly.

01/03/2013 έως 15/07/2013: Teaching of undergraduate courses in the Department of Agriculture Crop Production and Rural Environment, University of Thessaly.

18/12/2013-29/12/2016: Lecturer of Weed Science, Department of Agriculture Crop Production and Rural Environment, University of Thessaly, Greece.

30/12/2013-present: Assistant Professor of Weed Science, Department of Agriculture Crop Production and Rural Environment, University of Thessaly, Greece.

8. Administrative Experience

Member in 33 committees of the Department of Agriculture Crop Production and Rural Environment, University of Thessaly.

9. Academic Activities

i. Teaching in:

✓ Undergraduate Studies

Academic Year	Course Title	Semester	University
2010-2011	Weed biology and ecology	9 th	

	Plant Morphology and Anatomy	2 nd	Department of Agriculture Crop Production and Rural Environment, University of Thessaly
2011-2012	Plant Physiology	5 th	
	Plant Morphology and Anatomy	2 nd	
	Weed Science	6 th	
2012-2013	Weed Science	6 th	
2013-2014	Weed Science	6 th	
2014-2015	Agriculture Pharmacology	9 th	
	Weed Science	6 th	
	Systematic Botany	4 th	
2015-2016	Agriculture Pharmacology	9 th	
	Weed Science	6 th	
	Systematic Botany	4 th	
2016-2017	Agriculture Pharmacology	9 th	
	Weed Science	6 th	
	Systematic Botany	4 th	
2017-2018	Agriculture Pharmacology	7 th , 9 th	
	Weed Science	6 th	
	Systematic Botany	4 th	
2018-2019	Agriculture Pharmacology	7 th	
	Weed Science	6 th	
	Systematic Botany	4 th	

2019-20	Agriculture Pharmacology	7 th	
	Weed Science	6 th	
	Systematic Botany	4 th	

✓ **Postgraduate studies**

Academic Year	Course Title	Semester	University
2011-2012	Weed and herbicide management	1 st	Department of Agriculture Crop Production and Rural Environment, University of Thessaly
2012-2013	Weed and herbicide management	1 st	
2012-2013	Weed biology, ecology and management	2 nd	
2013-2014	Weed management	2 nd	
2014-2015	Protocols and Programs in Plant Protection	1 st	
2014-2015	Weed management	2 nd	
2015-2016	Protocols and Programs in Plant Protection	1 th	
2015-2016	Weed management	2 nd	
2016-2017	Protocols and Programs in Plant Protection	1 th	
2016-2017	Weed management	2 nd	
2017-2018	Protocols and Programs in Plant Protection	1 th	
2017-2018	Weed management	2 nd	
2018-2019	Weed Management	1 th	
2019-20	Weed Management	1 th	

ii. Supervised Students

Supervisor of:

- ✓ Seventeen (17) BSc dissertations.
- ✓ Two (2) MSc theses.
- ✓ One (1) Ph.D thesis (in progress)

iii. Member of the student's advisory committee

Member of advisory and evaluation committee in:

- ✓ Twenty-seven (27) BSc dissertations
- ✓ Eight (8) MSc theses
- ✓ One (1) Ph.D thesis (in progress)

10. Research Projects

1. Member of the research team in a project entitled “The position of Genetically Modified Plants in Greece” in the period from 12/05/2005 to 12/6/2015.
2. Member of the research team in an international research project funded by the 7th Research Framework Programme of the European Union (FP7, Project reference: 613781) entitled “EUROLEGUME: Enhancing of legumes growing in Europe through sustainable cropping for protein supply for food and feed”. Duration of the project: 1/11/2014 to 30/10/2015.
3. Coordinator of the project “Efficacy of post-emergence herbicides applied at reduced doses on wheat in durum wheat (*Triticum durum* L.) in central Greece” funded by the Research Committee of the University of Thessaly. Duration of the project: 21/01/2014 to 21/01/2015.
4. Member of the research team in a research project funded by the company Barilla G & R Frattelli, SpA entitled «*Sustainable Grains*, Project Number: 5069». Duration of the project: 01/01/2015 to 31/12/2015.
5. Member of the research team in a research project funded by the European Union entitled “*LIFE09 EN/GR/000296 Adapt to change, Adapt Agricultural production to climate*”

change and limited water supply (Χρηματοδότηση Ευρωπαϊκή Ένωση)". Duration of the project: 01/08/2014 to 31/08/2016.

6. Member of the research team in a research project funded by the European Union entitled "*Innovative ecofriendly traps for the control of Pine Lepidoptera in urban and recreational places (LIFE13 ENV/ES/000504, Χρηματοδότηση Ευρωπαϊκή Ένωση)*" Duration of the project: 01/01/2017 to 30/06/2017.

7. Member of the research team of project entitled "Studies and other related research activities on pest, food safety and plant protection issues" having collaborated in the context of the following sub-projects (duration of the project: 21/02/2017 to present):

- ✓ Evaluation of new pesticides for cotton crop and investigation of cotton grower's satisfaction in relation to modern plant protection and environmental protection.
- ✓ Evaluation of fungicides efficacy in wheat crop.

Duration of the project: 21/02/2017 to present.

8. Member of the research team in a research project funded by the European Union entitled "*TRUE: Transition paths to sustainable legume based systems in Europe. Project Number: 727973 (Horizon 2020)*" Duration of the project: 1/10/2017 to present.

9. Coordinator of the project "Evaluation of compatibility and efficacy of herbicides and fungicides in durum wheat crop (Project number: 5649)" funded by the BARILLA HELLAS. Duration of the project: 1/03/2019 to 31/10/2019.

11. Membership in Chambers and Scientific Societies

1. Geotechnical Chamber of Greece.
2. Weed Science Society of Greece.
3. European Weed Research Society.

12. Conferences

I have participated in the following national and international conferences:

2002: 12th Conference of the Weed Science Society of Greece (1 paper).

2004: 10th Conference of the Hellenic Soil Science Society of Greece (2 papers).

2006: 14th Conference of the Weed Science Society of Greece (4 papers).

2010: 13th Conference of the Hellenic Soil Science Society of Greece (1 paper).

2010: 16th Conference of the Weed Science Society of Greece (2 papers).

2011: The 10th International Symposium “Prospects for the 3rd Millennium Agriculture. 29 September-1 October 2011, Cluj-Napoca, Romania (3 papers).

2012: 17th Conference of the Weed Science Society of Greece (2 papers).

2014: 6th Panhellenic Plant Protection Meeting (1 presentation).

2014: The 13th International Symposium “Prospects for the 3rd Millennium Agriculture. 25-27 of September 2014, Cluj-Napoca, Romania (2 papers).

2014: 17th Hellenic Phytopathological Congress (1 paper).

2015: 18th Conference of the Weed Science Society of Greece (3 paper).

2015: Workshop of the European Weed Science Society on Optimizing herbicide use in an Integrated Weed Management (IWM) context. Heraklion, Greece (2 paper).

2015: 14th International Symposium “Prospects for the 3rd Millennium Agriculture. 24th-26th of September 2015, Cluj-Napoca, Romania (2 papers).

2015: 27th Conference of Greek Association of Horticultural Science (EEEEO) (1 paper).

2015: International Symposium on New Technologies and Management for Greenhouses, GreenSys 2015. Evora, Portugal (1 paper).

2016: The III International Symposium on Organic Greenhouse Horticulture, Izmir, Turkey (1 paper).

2017: The 52nd Croatian and 12th International Symposium on Agriculture, February 12-17, 2017, Dubrovnik, Croatia (1 paper).

2017: The International Conference Plant Nutrition, Growth & Environment Interactions III. February 20-21, 2017, Vienna, Austria (1 paper).

2017: 19th Conference of the Weed Science Society of Greece (6 papers).

2017: International Symposium “40 YEARS OF HORTICULTURE EDUCATION”, Faculty of Horticulture, CLUJ-NAPOCA, Romania (1 paper).

2017: VIII International Scientific Agriculture Symposium, Jahorina (1 paper)

2017: 28th Conference of Greek Association of Horticultural Science (EEEE) (4 papers).

2018: 7th Panhellenic Plant Protection Meeting, Larissa (1 presentation).

2018: Fifth International Symposium on Green Chemistry, Sustainable Development and Circular Economy, Skiathos, Greece (1 paper).

2018: 30th International Symposium on the Chemistry of Natural Products Athens, Greece (1 paper).

2019. 20th Conference of the Weed Science Society of Greece (7 papers).

2019: The 18th International Conference “LIFE SCIENCES FOR SUSTAINABLE DEVELOPMENT,” 26th-28th of September 2019, Cluj-Napoca, Romania (1 paper).

2019: 29th Conference of Greek Association of Horticultural Science (EEEE) (3 papers).

13. Other Activities

- ✓ Vice-President of the Weed Science Society of Greece, 2019 to present.
- ✓ Member of Administrative Board of the Weed Science Society of Greece, 2017-2019.
- ✓ General Secretary of the Weed Science Society of Greece, 2015-2017.
- ✓ Member of industrial hemp advisory committee. Ministry of Reconstruction of Production, Environment and Energy (Ministerial act, ΑΔΑ:6ΤΨΘ465ΦΘΗ-ΙΨ3).

14. Presentations/Invited Talks

- ✓ *Integrated weed management in vegetables.* **Karkanis A.**, Efthimiadou A., and Bilalis D. 6th Panhellenic Plant Protection Meeting, Larissa, Greece, 24-27 February 2014.
- ✓ *Weed control in wheat crop.* **Karkanis A., 2015.** Workshop “Plant Protection and rational fertilization in wheat”. Nikaia, Thessaly, Greece. 29 October 2015. The workshop was held under the auspices of the Municipality of Kilerer.
- ✓ *Integrated weed management programs in vegetables.* **Anestis Karkanis.** 6th Panhellenic Plant Protection Meeting, Larissa, Greece, 5-8 March 2018.
- ✓ *Aromatic and medicinal native plants of Thessaly region.* **Anestis Karkanis.** Workshop «Rural Women». The workshop was held under the auspices of the Y.W.C.A. (Young Women's Christian Association) of Volos. Volos, 6 February 2019.
- ✓ *Weed management in pistachio and walnut.* **Anestis Karkanis.** Workshop for pistachio and walnut crops which organized by the Regional Center for Plant Protection, Quality and Phytosanitary Control of Volos and the Agricultural Cooperative of Stefanovikeio. Stefanovikeio, 7 February 2019.
- ✓ *Integrated weed management in field crops and orchards.* **Anestis Karkanis.** Workshop “Sustainable agriculture: a need for the environment and our children», Agrothessaly 2019-12th Pan-Hellenic Fair for Agriculture and Livestock. Larissa, 28 February 2019.

15. Publications

Published 63 papers in international peer-reviewed journals, 54 conference papers and 1 book chapter. Below, there is a list of the journal publications, conferences and book chapters.

List of Publications

A. Ph.D Thesis

1. **Karkanis A., 2007.** Effect of irrigation and green manure on weed flora. Ph.D Thesis, Agricultural University of Athens, pp. 1-447, Athens.

B. Publications in international peer reviewed journals

Note: Articles 1-10 published before the Election as Lecturer of Weed Science (March 2010).

1. **Karkanis A.**, Bilalis D., Efthimiadou A., **2007**. Tobacco (*Nicotiana tabacum*) infection by branched broomrape (*Orobanche ramosa*) as influenced by irrigation system and fertilization, under East Mediterranean Conditions. *Journal of Agronomy*. 6 (3): 397-402.
2. **Karkanis A.**, Bilalis D., Efthimiadou A., **2007**. The effect of green manure and irrigation on morphological and physiological characteristics of Virginia (flue-cured) organic tobacco (*Nicotiana tabacum*). *International Journal of Agricultural Research*. 2 (11): 910-919.
3. Bilalis D., **Karkanis A.**, Efthimiadou A., Konstantas Ar., Triantafyllidis V., **2009**. Effects of irrigation system and green manure on yield and nicotine content of Virginia (Flue-cured) Organic tobacco (*Nicotiana tabacum*), under Mediterranean conditions. *Industrial Crops and Products*. 29 (2-3):388-394.
4. Efthimiadou A., **Karkanis A.**, Bilalis D., Efthimiadis P., **2009**. The phenomenon of crop-weed competition; a problem or a key for sustainable weed management? *Journal of Food Agriculture and Environment*. 7 (2): 861-868.
5. Efthimiadou A., Bilalis D., **Karkanis A.**, Froud-Williams B., Eleftherochorinos I., **2009**. Effects of cultural system (organic and conventional) on growth, photosynthesis and yield components of sweet corn (*Zea mays* L.), under semi-arid environment. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*.37 (2): 104-111.
6. Bilalis D., **Karkanis A.**, Efthimiadou A., **2009**. Effects of two legume crops on weed flora, under Mediterranean conditions: Competitive ability of five winter season weed species. *African Journal of Agricultural Research*. 4(12):1431-1441.
7. Bilalis D., Patsiali S., **Karkanis A.**, Konstantas A., Makris, M., Efthimiadou A., **2010**. Effects of cultural system (organic and conventional) on growth and fibre quality of two cotton (*Gossypium hirsutum* L.) varieties. *Renewable Agriculture and Food Systems*. 25: 228-235.
8. Bilalis D., **Karkanis A.**, Triantafyllidis V., Ladavos A., Bizos D., Patsiali S., Efthimiadou A., Papatheohari Y., **2010**. Effect of organic and inorganic fertilization on growth, yield and nicotine content of flue-cured and oriental tobacco (*Nicotiana tabacum* L.) seedlings grown

in organic and conventional float system. *Journal of Food Agriculture and Environment*. 8 (2):585-589.

9. Bilalis D., Papastylianou P., Konstantas A., Patsiali S., **Karkanis A., 2010.** Weed suppressive effects of maize-legume intercropping in organic farming. *International Journal of Pest Management*. 56 (2): 173-181.
10. **Karkanis A.,** Bilalis, D., Efthimiadou A., Efthimiadis P., **2010.** Cultural practices effects on weed flora in Virginia (flue-cured) organic tobacco (*Nicotiana tabacum* L.): Green manure and Irrigation systems. *Turkish Journal of Agriculture and Forestry*. 34: 487-496.

Note: Papers 11-42 published after the Election as Lecturer of Weed Science (March 2010).

11. Bilalis D.J., **Karkanis A.,** Papastylianou P., Patsiali S., Athanasopoulou M., Barla G., Kakabouki I., **2010.** Response of organic linseed (*Linum usitatissimum* L.) to the combination of tillage systems, (minimum, conventional and no-tillage) and fertilization practices: Seed and oil yield production. *Australian Journal of Crop Science*. 4 (9): 700-705.
12. Efthimiadou A., Bilalis D., **Karkanis A.,** Froud-Williams B., **2010.** Combined organic/inorganic fertilization enhance soil quality and increased yield, photosynthesis and sustainability of sweet maize crop. *Australian Journal of Crop Science*. 4 (9): 722-729.
13. **Karkanis A.,** Bilalis D., Efthimiadou A., **2011.** Architectural plasticity, photosynthesis and growth responses of velvetleaf (*Abutilon theophrasti* Medicus) plants to water stress in a semi-arid environment. *Australian Journal of Crop Science*. 5 (4):369-374.
14. **Karkanis A.,** Efthimadou A., Bilalis D., **2011.** Cultivation of milk thistle (*Silybum marianum* L. Gaertn.), a medicinal weed. *Industrial Crops and Products*. 34:825-830.
15. Bilalis D., **Karkanis A.,** Konstantas A, Patsiali S, Triantafyllidis V., **2011.** Arbuscular mycorrhizal fungi: a blessing or a curse for weed management in organic olive crops? *Australian Journal of Crop Science*. 5 (7): 858-864.
16. Bilalis D., **Karkanis A.,** Patsiali S., Agrogianni M. , Konstantas A., Triantafyllidis V., **2011.** Performance of wheat varieties (*Triticum aestivum* L.) under conservation tillage practices in organic agriculture. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*. 39(2):28-33.
17. Bilalis D., Katsenios N., Efthimiadou A., Efthimiadis P., **Karkanis A., 2012.** Pulsed electromagnetic fields effect in oregano rooting and vegetative propagation: a potential new organic method. *Acta Agriculturae Scandinavica. Section B - Plant soil Science*. 62:94-99.

18. Bilalis D., Katsenios N., Efthimiadou A., **Karkanis A.**, Efthimiadis A., **2012**. Investigation of pulsed electromagnetic field as a novel organic pre-sowing method on germination and initial growth stages of cotton. *Electromagnetic Biology and Medicine*. 31(2): 143-150.
19. Bilalis D., **Karkanis A.**, Pantelia A., Patsiali S., Konstantas A., Efthimiadou A., **2012**. Weed populations are affected by tillage systems and fertilization practices in organic flax (*Linum usitatissimum* L.) crop. *Australian Journal of Crop Science*. 6:157-163.
20. **Karkanis A.**, Bilalis D., Efthimiadou A., Katsenios N., **2012**. Comparison between conventional and organic weed management: growth and yield of leek (*Allium porrum* L.). *Horticultural Science*. 39(2):81-88.
21. **Karkanis A.**, Bilalis D., Efthimiadou A., Katsenios N., **2012**. Effects of field bindweed (*Convolvulus arvensis* L.) and powdery mildew (*Leveillula taurica* (Lev.) Arn.) on pepper growth and yield. *Horticultural Science*. 39(3):135-138.
22. Efthimiadou A., **Karkanis A.**, Bilalis D., Katsenios N., **2012**. Cultivation of cow cockle (*Vaccaria hispanica* (Mill.) Rauschert): An industrial-medicinal weed. *Industrial Crops and Products*. 40:307-311.
23. Efthimiadou A., Froud-Williams R.J., Eleftherochorinos I., **Karkanis A.**, Bilalis D.J., **2012**. Effects of organic and inorganic amendments on weed management in sweet maize. *International Journal of Plant Production*. 6(3): 291-308.
24. Bilalis D., Kakabouki I., **Karkanis A.**, Travlos I., Triantafyllidis V., Hela D., **2012**. Seed and saponin production of organic quinoa (*Chenopodium quinoa* Willd.) for different tillage and fertilization. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*.40(1):42-46.
25. Bilalis D., **Karkanis A.**, Sidiras N., Travlos I., Efthimiadou A., Thomopoulos P., Kakabouki I., **2012**. Maize and legumes root growth and yield as influenced by organic fertilization, under Mediterranean environmental conditions. *Romanian Agricultural Research*. 29: 211-217.
26. Bilalis D., Katsenios N., Efthimiadou A., **Karkanis A.**, **2012**. Pulsed electromagnetic field: An organic compatible method to promote plant growth and yield in two corn types. *Electromagnetic Biology and Medicine*. 31(4):333-343.
27. **Karkanis A.**, Bilalis D., Katsenios N., Efthimiadou A., **2012**. The critical period for weed competition in parsley (*Petroselinum crispum* (Mill.) Nyman ex A.W. Hill) in Mediterranean areas. *Crop Protection*. 42:268-272.

28. Bilalis D., Triantafyllidis, V., **Karkanis A.**, Efthimiadou, A., Kakabouki, I., **2012**. Effect of tillage system and rimsulfuron application on weed flora, arbuscular mycorrhizal (AM) root colonization and yield of maize (*Zea mays* L.). *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*. 40 (2): 73-79.
29. Bilalis D., Katsenios N., Efthimiadou A., **Karkanis A.**, Khah E.M., Mitsis T., **2013**. Magnetic field pre-sowing treatment as an organic friendly technique to promote plant growth and chemical elements accumulation in early stages of cotton. *Australian Journal of Crop Science*. 7 (1):46-50.
30. Vitoratos A., Bilalis D., **Karkanis A.**, Efthimiadou A., **2013**. Antifungal activity of plant essential oils against *Botrytis cinerea*, *Penicillium italicum* and *Penicillium digitatum*. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*. 41, 86-92.
31. Bilalis D.J., Travlos I.S., **Karkanis A.**, Gournaki M., Katsenios G., Hela D., Kakabouki I., **2013**. Evaluation of the allelopathic potential of quinoa (*Chenopodium quinoa* Willd.). *Romanian Agricultural Research*. 30, 359-364.
32. Bilalis D., Kamariari PE., **Karkanis A.**, Efthimiadou A., Zorpas A., Kakabouki I. **2013**. Energy inputs, output and productivity in organic and conventional maize and tomato production, under Mediterranean conditions. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*. 41, 190-194.
33. Bilalis D., Tzortzi I., Vavoulidou E., **Karkanis A.**, Emmanouel N., Efthimiadou A., Katsenios N., Patsiali S., Dellaporta L., **2013**. Effects of aluminum and moisture levels on aluminum bioaccumulation and protein content in the earthworm *Octodrilus complanatus*. *Journal of Soil Science and Plant Nutrition*. 13 (4), 845-854.
34. Alemardan A., **Karkanis A.**, Salehi R., **2013**. Breeding objectives and selection criteria for milk thistle [*Silybum marianum* (L.) Gaertn.] improvement. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*. 41 (2), 340-347.
35. Efthimiadou A., Katsenios N., **Karkanis A.**, Papastylianou P., Triantafyllidis V., Travlos I., Bilalis D.J., **2014**. Effects of presowing pulsed electromagnetic treatment of tomato seed on growth, yield, and lycopene content. *Scientific World Journal*. 2014, article ID 369745, 6 pages.

36. Kakabouki I., Bilalis D., **Karkanis A.**, Zervas G., Tsiplakou E., Hela D., **2014**. Effects of fertilization and tillage system on growth and crude protein content of quinoa (*Chenopodium quinoa* Willd.): An alternative forage crop. *Emirates Journal of Food and Agriculture*. 26 (1), 18-24.
37. Bilalis D., **Karkanis A.**, Savvas D., Kontopoulou CK., Efthimiadou A., **2014**. Effects of fertilization and salinity on weed flora in common bean (*Phaseolus vulgaris* L.) grown following organic or conventional cultural practices. *Australian Journal of Crop Science*. 8 (2), 178-182.
38. Angelopoulou F., Kakabouki I., Papastylianou P., Papatheohari Y., Konstantas A., **Karkanis A.**, Travlos I., Bilalis D., **2014**. Effect of organic fertilization on growth and development of the root system of two medicinal plants, oregano (*Origanum vulgare* L.) and milk thistle (*Silybum marianum* L. Gaertn.). *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca Horticulture*. 71, 201-206.
39. **Karkanis A.**, Vellios E., Thomaidis T., Bilalis D., Efthimiadou A., Travlos I., **2014**. Phytochemistry and biological properties of burnet weed (*Sanguisorba* spp.): A Review. *Notulae Scientia Biologicae*. 6 (4), 395-398.
40. Bilalis D.J., Patsiali S., Kakabouki I., Travlos I.S., **Karkanis A.**, **2015**. Effects of cropping system (organic and conventional) on the fiber quality index, spinning consistency index and multiplicative analytic hierarchy process of cotton (*Gossypium hirsutum* L.). *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*. 43 (2): 388-391.
41. Kakabouki I., **Karkanis A.**, Travlos I.S., Hela D., Papastylianou P., Wu H., Chachalis D., Sestras R., Bilalis D., **2015**. Weed flora and seed yield in quinoa crop. (*Chenopodium quinoa* Willd.) as affected by tillage systems and fertilization practices. *International Journal of Pest Management*. 61: 228-234.
42. Petropoulos S., **Karkanis A.**, Fernandes A., Barros L., Ferreira I.C.F.R., Ntatsi G., Petrotos K., Lykas C., Khah E., **2015**. Chemical composition and yield of six genotypes of common purslane (*Portulaca oleracea* L.): An alternative source of omega-3 fatty acid. *Plant Foods for Human Nutrition*. 70: 420-426.

Note: Papers 43-63 published after the Election as Assistant Professor of Weed Science (September 2016).

43. Petropoulos S., **Karkanis A.**, Martins N., Ferreira I.C.F.R., **2016**. Phytochemical composition and bioactive compounds of common purslane (*Portulaca oleracea* L.) as affected by crop management practices. *Trends in Food Science and Technology*. 55: 1-10.
44. Katsenios N., Bilalis D., Efthimiadou A., Aivalakis G., Nikolopoulou A.-E, **Karkanis A.**, Travlos, I., **2016**. Role of pulsed electromagnetic field on enzyme activity, germination, plant growth and yield of durum wheat. *Biocatalysis and Agricultural Biotechnology*. 6: 152-158.
45. **Karkanis A.**, Ntatsi G., Kontopoulou C.-G., Pristeri A., Bilalis D., Savvas D., **2016**. Field Pea in European Cropping Systems: Adaptability, Biological Nitrogen Fixation and Cultivation Practices. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*. 44: 325-336.
46. Petropoulos S., Fernandes Â., **Karkanis A.**, Ntatsi G., Barros L., Ferreira I.C.F.R., **2017**. Successive harvesting affects yield, chemical composition and antioxidant activity of *Cichorium spinosum* L. *Food Chemistry*. 237: 83-90.
47. **Karkanis A.C.**, Petropoulos S.A., **2017**. Physiological and Growth Responses of Several Genotypes of Common Purslane (*Portulaca oleracea* L.) under Mediterranean Semi-arid Conditions. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*. 45(2): 569-575.
48. Vellios E., **Karkanis A.**, Bilalis D., **2017**. Powdery mildew (*Erysiphe cruciferarum*) infection on camelina (*Camelina sativa*) under Mediterranean conditions and the role of wild mustard (*Sinapis arvensis*) as alternative host of this pathogen. *Emirates Journal of Food and Agriculture*. 29(8):639-642.
49. **Karkanis A.**, Lykas C., Liava V., Bezou A., Petropoulos S., Tsiropoulos N., **2018**. Weed interference with peppermint (*Mentha x piperita* L.) and spearmint (*Mentha spicata* L.) crops under different herbicide treatments: Effects on biomass and essential oil yield. *Journal of the Science of Food and Agriculture*. 98: 43-50.
50. **Karkanis A.C.**, Kontopoulou C-K., Lykas C., Kakabouki I., Petropoulos S.A., Bilalis D., **2018**. Efficacy and Selectivity of Pre- and Post-emergence Herbicides in Chia (*Salvia hispanica* L.) under Mediterranean Semi-arid Conditions. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*. 46(1):183-189.

51. **Karkanis A.**, Martins N., Petropoulos S.A., Ferreira I.C.F.R., **2018**. Phytochemical composition, health effects, and crop management of liquorice (*Glycyrrhiza glabra* L.): A medicinal plant. *Food Reviews International*. 34:2, 182-203.
52. Petropoulos S., Fernandes A., **Karkanis A.**, Antoniadis V., Barros L., Ferreira I.C.F.R. **2018** Nutrient solution composition and growing season affect yield and chemical composition of *Cichorium spinosum* plants. *Scientia Horticulturae*. 231:97-107.
53. Petropoulos S., **Karkanis A.**, Martins N., Ferreira I.C.F.R., **2018**. Edible halophytes of the Mediterranean basin: potential candidates for novel food products. *Trends in Food Science and Technology*. 74: 69-84.
54. Petropoulos S., **Karkanis A.**, Martins N., Ferreira I.C.F.R., **2018**. Halophytic herbs of the Mediterranean basin: an alternative approach to health. *Food and Chemical Toxicology*. 114: 155-169.
55. Ntatsi, G., **Karkanis A.**, Yfantopoulos D., Olle M., Travlos I, Thanopoulos R., Bilalis D., Bebeli P., Savvas D., **2018**. Impact of variety and farming practices on growth, yield, weed flora and symbiotic nitrogen fixation in faba bean cultivated for fresh seed production. *Acta Agriculturae Scandinavica, Section B-Plant Soil Science*. 38(7):619-630.
56. **Karkanis A.**, Vellios A., Grigoriou F., Gkrimbis T, Giannouli P., **2018**. Evaluation of efficacy and compatibility of herbicides with fungicides in durum wheat (*Triticum durum* Desf.) under different environmental conditions: Effects on grain yield and gluten content. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*. 46(2):601-607.
57. **Karkanis A.**, Ntatsi G., Lepse L, Fernández J.A., Vågen I.M., Rewald B., Alsiņa I., Kronberga A., Balliu A., Olle M., Bodner G., Dubova L., Rosa E., Savvas D., **2018**. Faba bean cultivation-Revealing novel managing practices for a more sustainable and competitiveness European cropping systems. *Frontiers in Plant Science*. 9:1115, doi:10.3389/fpls.2018.01115.
58. **Karkanis A.**, Ntatsi G., Alemardan A., Petropoulos S., Bilalis D., **2018**. Interference of weeds in vegetable crop cultivation, in the changing climate of Southern Europe with emphasis on drought and elevated temperatures: A review. *The Journal of Agricultural Science*. 156, 1175-1185

59. Ntatsi G., **Karkanis A.**, Yfantopoulos D., Pappa V., Konosonoka I.H., Travlos I., Bilalis D., Bebeli P., Savvas D., **2019**. Evaluation of the field performance, nitrogen fixation efficiency and competitive ability of pea landraces grown under organic and conventional farming systems. *Archives of Agronomy and Soil Science*. 65: 249-307.
60. Arampatzis D.A., **Karkanis A.C.**, Tsiropoulos N.G., **2019**. Silymarin content and antioxidant activity of seeds of wild *Silybum marianum* populations growing in Greece. *Annals of Applied Biology*. 174:61-73.
61. **Karkanis A.C.**, Fernandes A., Vaz J., Petropoulos S., Georgiou E., Ciric A., Sokovic M., Taofiq Q., Barros L., Ferreira I.C.F.R. **2019**. Chemical composition, and bioactive properties of *Sanguisorba minor* Scop. under Mediterranean growing conditions. *Food & Function*. 10(3): 1340-1351.
62. **Karkanis A.**, Alexiou, A., Katsaros C., Petropoulos S. **2019**. Allelopathic activity of spearmint (*Mentha spicata* L.) and peppermint (*Mentha x piperita* L.) reduces yield, growth, and photosynthetic rate in a succeeding crop of maize (*Zea mays* L.). *Agronomy*. 9, 461:1-13, doi:10.3390/agronomy9080461.
63. Arampatzis, D.A., **Karkanis A.C.**, Tsiropoulos, N.G., **2019**. Impact of plant density and mepiquat chloride on growth, yield, and silymarin content of *Silybum marianum* grown under Mediterranean semi-arid conditions. *Agronomy*. 9, 669: 1-14, doi:10.3390/agronomy9110669.

C. Paper in proceedings of national conferences

Note: Papers 1-7 published before the Election as lecturer of Weed Science (March 2010).

1. Bilalis D., Sidiras N., **Karkanis A.**, Thomopoulos P., Gerogianni, E., **2002**. Effects of different levels of wheat straw soil surface coverage on weed flora in *Vicia faba* crop. *Proceedings of the 12th Conference of the Weed Science Society of Greece*. Volos, Greece. p. 52 (in Greek).
2. Sidiras N., Bilalis D., **Karkanis A.**, Thomopoulos P, Travlos I, Papatheohari Y. **2004**. Effects of two different organic fertilizers on growth and nitrogen accumulation of three legume crops.

Proceedings of the 10th Conference of the Hellenic Soil Science Society of Greece. Volos, Greece. pp. 325-336 (in Greek, Abstract: in English).

3. Bilalis D., Sidiras N., Thomopoulos P, Travlos, I, **Karkanis A.**, Papatheohari Y. **2004**. Effects of three legumes, as green manure, on growth and yield of maize (*Zea mays*). *Proceedings of the 10th Conference of the Hellenic Soil Science Society of Greece*. Volos, Greece. pp. 337-347 (in Greek, Abstract: in English).
4. **Karkanis A.**, Bouchagier P., Bilalis D., Efthimiadis P. **2006**. Effect of irrigation on growth and physiological characteristics of velvetleaf (*Abutilon theophrasti*), common cocklebur (*Xanthium strumarium*), black nightshade (*Solanum nigrum*) and jimsonweed (*Datura stramonium*). *Proceedings of the 14th Conference of the Weed Science Society of Greece*. Volos, Greece. p. 31 (in Greek).
5. Bouchagier P., Gasparatos D., **Karkanis A.**, Bilalis D., Moustakas N., Efthimiadis P. **2006**. Alterations of photosynthesis parameters and the level of N, P, K, Ca and Mg in leaves and roots of cotton (*Gossypium hirsutum* L.) due to the influence of bermuda grass (*Cynodon dactylon* L.). *Proceedings of the 14th Conference of the Weed Science Society of Greece*. Volos, Greece. p. 33 (in Greek).
6. Bouchagier P., **Karkanis A.**, Bilalis D., Efthimiadis P. **2006**. Alterations of photosynthetic parameter values of cotton (*Gossypium hirsutum* L.) due to the influence of bermuda grass (*Cynodon dactylon* L.) a) when plants are growing in soil and b) after the effect of water extract of bermuda grass in cotton. *Proceedings of the 14th Conference of the Weed Science Society of Greece*, Volos, Greece. p. 36 (in Greek).
7. **Karkanis A.**, Bilalis D., Efthimiadou E. **2006**. Competition between plants of green manure and weeds. *Proceedings of the 14th Conference of the Weed Science Society of Greece*. Volos, Greece. p. 55 (in Greek).

Note: Papers 8-17 published after the Election as Lecturer of Weed Science (March 2010).

8. Bilalis D., Athanasopoulou M., Patsiali S., **Karkanis A.**, Papastylianou, P. **2010**. Effects of three tillage system and two kind of organic fertilizers on root mycorrhiza colonization in

organic flax crop. *Proceedings of the 13th Conference of the Hellenic Soil Science Society of Greece*. Volos, Greece. pp. 309-317 (in Greek, Abstract: in English).

9. **Karkanis A.**, Efthimiadou D., Bilalis D. **2010**. Competition between field bindweed (*Convolvulus arvensis* (Lev.) Arn) and pepper: the role of field bindweed on powdery mildew control in pepper, in Domokos region. *Proceedings of the 16th Conference of the Weed Science Society of Greece*. Karditsa, Greece. p. 26 (in Greek).
10. **Karkanis A.**, Bilalis D., Efthimiadou D. **2010**. Biological and chemical methods for weed management in leek (*Allium porrum* L.). *Proceedings of the 16th Conference of the Weed Science Society of Greece*. Karditsa, Greece. p. 35 (in Greek).
11. **Karkanis A.**, Bilalis D., Efthimiadou A., Katsenios N. **2012**. Effect of temperature on the efficacy of glyphosate against common cocklebur (*Xanthium strumarium* L.). *Proceedings of the 17th Conference of the Weed Science Society of Greece*. Athens, Greece. pp. 60-62 (in Greek).
12. Efthimiadou A., **Karkanis A.**, Bilalis D., Katsenios N. **2012**. Effect of plant density on growth and yield of medicinal weed *Silybum marianum*. *Proceedings of the 17th Conference of the Weed Science Society of Greece*. Athens, Greece. pp. 88-90 (in Greek).
13. Anthouli E., **Karkanis A.**, Vellios E. 2014. Range of host variation of dodder (*Cuscuta* spp.) in Central Greece. *Proceedings of the 17th Hellenic Phytopathological Congress*. Volos, Greece. p. 195 (in Greek).
14. Petropoulos S., **Karkanis A.**, Khah E., Lykas C. **2015**. Evaluation of growth and yield of selected common purslane genotypes (*Portulaca oleracea* L.). *Proceedings of the 18th Conference of the Weed Science Society of Greece*. Heraklion, Greece. pp. 43-44 (in Greek and English).
15. **Karkanis A.**, Bilalis D., Efthimaidou A., Lykas C., Travlos I., **2015**. Selectivity of herbicides in chia crop (*Salvia hispanica*). *Proceedings of the 18th Conference of the Weed Science Society of Greece*. Heraklion, Greece. pp. 47-48 (in Greek and English).
16. Lykas C., **Karkanis A.**, Tsiropoulos N., Petropoulos S., **2015**. Effect of selected of pre-emergence and post-emergence on peppermint (*Mentha x piperita* L.) growth and production.

Proceedings of the 18th Conference of the Weed Science Society of Greece. Heraklion, Greece. pp. 49-50 (in Greek and English).

17. **Karkanis A.**, Lykas C., Tsiropoulos N., Liava V., Petropoulos S., **2015**. Selectivity of herbicides in spearmint crop (*Mentha spicata* L.). *Proceedings of the 27th Conference of Greek Association of Horticultural Science.* Volos. p. 63 (In Greek).

Note: Papers 18-37 published after the Election as Assistant Professor of Weed Science

18. **Karkanis A.**, Antonopoulos M., Bilalis D., **2017**. Cleavers resistance (*Galium aparine* L.) to ALS-inhibiting herbicides. *Proceedings of the 19th Conference of the Weed Science Society of Greece.* Orestiada, 2017. pp. 11-13(in Greek and English).
19. Arampatzis D., Tsiropoulos N., **Karkanis A.**, **2017**. Silymarin content in Greek biotypes of the herb *Silybum marianum* L. Gaertn. *Proceedings of the 19th Conference of the Weed Science Society of Greece.* Orestiada, 2017. pp. 35-37 (in Greek and English).
20. Georgiou E., **Karkanis A.**, Petropoulos S., **2017**. The potential for commercial cultivation of small burnet (*Sanguisorba minor* Scop.). *Proceedings of the 19th Conference of the Weed Science Society of Greece.* Orestiada, 2017. pp. 37-38(in Greek and English).
21. Liava V., Tsiropoulos N., **Karkanis A.**, Lykas C., Petropoulos S., **2017**. Evaluation of selectivity and persistence of herbicides linuron and pendimethalin in established spearmint crop. *Proceedings of the 19th Conference of the Weed Science Society of Greece.* Orestiada, 2017. pp. 45-46 (in Greek and English).
22. **Karkanis A.**, Grigoriou F., Vellios E., **2017**. Evaluation of compatibility of herbicides florasulam+2,4-D and bromoxynil+2,4-D with different fungicides in durum wheat. *Proceedings of the 19th Conference of the Weed Science Society of Greece.* Orestiada, 2017. pp. 61-63(in Greek and English).
23. Mokou V., **Karkanis A.**, Petropoulos S., Souipas S., **2017**. Evaluation of selectivity of pre-herbicides in parsley crop. *Proceedings of the 19th Conference of the Weed Science Society of Greece.* Orestiada, 2017. pp. 91-92(in Greek and English).

24. Yfantopoulos D., Ntatsi G., **Karkanis A.**, Bilalis D., Savvas D. **2017**. Effects of crop rotation with legumes and biological nitrogen fixation on conventional and organic cabbage cultivation. *Proceedings of the 28th Conference of Greek Association of Horticultural Science*. Thessaloniki, 2017. p. 121.
25. Raptis A, **Karkanis A.**, Petropoulos S. **2017**. Effects of nitrogen fertilization on growth and quality of stamnagathi (*Cichorium spinosum* L.). *Proceedings of the 28th Conference of Greek Association of Horticultural Science*. Thessaloniki, 2017. p. 220.
26. Yfantopoulos D., Ntatsi G., Vougeleka V., Arapis G., **Karkanis A.**, Savvas D. **2017**. Effect of production system (biological or conventional) and crop rotation with legumes on greenhouse gas emissions (CO₂, CH₄, N₂O) in cabbage crop. *Proceedings of the 28th Conference of Greek Association of Horticultural Science*. Thessaloniki, 2017. p. 242.
27. Kolovou P., **Karkanis A.**, Antoniadis V., Petropoulos S. **2017**. Effects of different nitrogen fertilizer form on growth and quality of stamnagathi plants. *Proceedings of the 28th Conference of Greek Association of Horticultural Science*. Thessaloniki, 2017. p. 247.
28. **Karkanis A.**, Papadopoulou S., Tsita C., Karamoutis C, Souipas S., **2019**. *Silybum marianum* control with post-emergence herbicides in durum wheat crop. *Proceedings of the 20th Conference of the Weed Science Society of Greece*. Agrinio, 2019. pp. 34-35 (in Greek and English).
29. Mokou V., **Karkanis A.**, Souipas S., **2019**. Efficacy of three post-emergence applied herbicides against johnsongrass (*Sorghum halepense* (L.) Pers.) and on growth of its rhizomes. *Proceedings of the 20th Conference of the Weed Science Society of Greece*. Agrinio, 2019. pp. 36-37 (in Greek and English).
30. **Karkanis A.**, Athanasiadou D., Zografos S., Karanasou K., Souipas S., **2019** Johnsongrass control with herbicides and its impact on maize production. *Proceedings of the 20th Conference of the Weed Science Society of Greece*. Agrinio, 2019. pp. 50-51 (in Greek and English).
31. Arampatzis D., Tsiropoulos N., **Karkanis A.**, **2019**. Effects of plant growth regulator mepiquat chloride and crop density on growth and yield of medicinal plant *Silybum marianum*. *Proceedings of the 20th Conference of the Weed Science Society of Greece*. Agrinio, 2019. pp. 62-63 (in Greek and English).

32. Vardaka A., Gnioni A., Arampatzis D., Tsiropoulos N., **Karkanis A., 2019** Evaluation of *Silybum marianum* populations from various areas of the Peloponnese region, based on seed silymarin content. *Proceedings of the 20th Conference of the Weed Science Society of Greece*. Agrinio, 2019. pp. 100-101 (in Greek and English).
33. Arampatzis D., Tzortzis A., Giatsiou E., Tsiropoulos N., **Karkanis A., 2019**. Evaluation of silymarin content and antioxidant capacity of *Silybum marianum* seeds harvested at different ripening stages. *Proceedings of the 20th Conference of the Weed Science Society of Greece*. Agrinio, 2019. pp. 114-115 (in Greek and English).
34. Georgousakis H., Sakka M.K., **Karkanis A., Athanassiou C.G., 2019**. Population growth of *Rhizopertha dominica* and *Sitophilus oryzae* in mixtures of wheat and barley kernels with seeds of *Silybum marianum*. *Proceedings of the 20th Conference of the Weed Science Society of Greece*. Agrinio, 2019. pp. 118-119 (in Greek and English).
35. Kafetzopoulos G., Fernandes, Â., Polyzos N., Simopoulou S., **Karkanis A., Barros, L., Ferreira, I.C.F.R., Petropoulos S., 2019**. Influence of nitrogen fertilization on yield and quality of *Centaurea raphanina* subsp. *mixta*. *Proceedings of the 29th Conference of Greek Association of Horticultural Science*. Patra, 15-18 October 2019. p. 68 (in Greek).
36. Kotsalidou N., Arampatzis D., **Karkanis A., Tsiropoulos N., 2019**. Influence of weed competition on yield and silymarin content of medicinal weed *Silybum marianum* under different plant densities. *Proceedings of the 29th Conference of Greek Association of Horticultural Science*. Patra, 15-18 October 2019. p. 76 (in Greek).
37. Alexiou A., Katsaros C., Petropoulos S., **Karkanis A., 2019**. Allelopathic effects of spearmint and peppermint on maize crop. *Proceedings of the 29th Conference of Greek Association of Horticultural Science*. Patra, 15-18 October 2019. p. 230 (in Greek).

D. Papers in proceedings of international conferences

Note: Papers 1-10 published after the Election as Lecturer of Weed Science.

1. **Karkanis A., Bilalis, D., Efthimiadou A., Savvas D., Konstantas A., 2011**. Effects of plant density and row arrangement on weed management and yield in organic cabbage crop (*Brassica oleracea* var. *capitata* L.). *The 10th International Symposium "Prospects for the*

3rd Millennium Agriculture. 29th September – 1st October 2011. Cluj-Napoca, Romania. *Bulletin UASVM Horticulture*. 68(1): 238-243.

2. Bilalis D., Patsiali S., **Karkanis A.**, Padaleon K., Kontopoulou C.K., **2011**. Effects of mycorrhiza on fiber quality parameters, root characteristics and yield of organic cotton (*Gossypium hirsutum* L.). *The 10th International Symposium “Prospects for the 3rd Millennium Agriculture*. 29 September - 1 October 2011. Cluj-Napoca, Romania. *Bulletin UASVM Agriculture*. 68(1): 51-57.
3. Konstantas A., Bilalis D., Mbeopoulos N., **Karkanis A.**, Patsiali S., **2011**. A survey concerning organic, integrated and conventional agriculture in Greece. *The 10th International Symposium “Prospects for the 3rd Millennium Agriculture*. 29th September – 1st October 2011. Cluj-Napoca, Romania. *Bulletin UASVM Horticulture*. 68(2): 120-126.
4. Bilalis D., Angelopoulou F., Papastylianou P., **Karkanis A.**, Kakabouki I., Konstantas A., **2014**. Effect of irrigation on growth and development of the root system of two medicinal plants, *Hyssopus officinalis* and *Passiflora incarnata*. *Proceedings of the 13th International Symposium “Prospects for the 3rd Millennium Agriculture*. 25th-27th of September 2014, Cluj-Napoca, Romania. Book of Abstracts. p. 226. *Bulletin UASVM Horticulture*. 71(2): 212-217.
5. **Karkanis A.**, Bilalis D., Efthimiadou A., Gavalaki A., Koustas N., **2014**. Efficacy of post-emergence herbicides applied at reduced doses on wheat in durum wheat (*Triticum durum* L.) in central Greece. *Proceedings of the 13th International Symposium “Prospects for the 3rd Millennium Agriculture*. 25th-27th of September 2014, Cluj-Napoca, Romania. Book of Abstracts. p. 683. *Bulletin UASVM Horticulture*. 71(2): 353-354.
6. **Karkanis A.**, Bilalis D., Efthimiadou A., Travlos I., Chachalis D., Katsenios N., **2015**. Reduced rates of herbicides to control *Galium aparine*, *Sinapis arvensis* and *Avena sterilis* in late-sown durum wheat (*Triticum durum* L.). *Proceedings of the Workshop of the European Weed Science Society on Optimizing herbicide use in an Integrated Weed Management (IWM) context*. 5th-7th of March 2015. Heraklion, Greece. pp. 34-35.
7. Koustas A., Travlos I.S., Bilalis D.J., Papastylianou P., Papadimitriou D., Douma D., Chachalis D., **Karkanis A.**, **2015**. Field horsetail (*Equisetum arvense* L.) and its effects on chickpea. *Proceedings of the Workshop of the European Weed Science Society on Optimizing herbicide use in an Integrated Weed Management (IWM) context*. Heraklion, Greece. p. 49.

8. Bilalis D., **Karkanis A.**, Angelopoulou F., Antoniadis A., Travlos I., Ntatsi G., Lazaridi E., Savvas D., **2015**. Effect of organic and mineral fertilization on growth and mycorrhizal colonization of pea crops. *Proceedings of the 14th International Symposium “Prospects for the 3rd Millennium Agriculture*. 24th-26th of September 2015, Cluj-Napoca, Romania. Book of Abstracts. p. 158. *Bulletin UASVM Horticulture*. 72(2):288-294.
9. Bilalis D., **Karkanis A.**, Travlos I., Antoniadis A., Ntatsi G., Bebeli P., Savvas D., **2015**. Wild mustard (*Sinapis arvensis* L.) and corn poppy (*Papaver rhoeas* L.) competition with four pea varieties cultivated following conventional or organic farming practices. *Proceedings of the 14th International Symposium “Prospects for the 3rd Millennium Agriculture*. 24th-26th of September 2015, Cluj-Napoca, Romania. Book of Abstracts. p. 479. *Bulletin UASVM Horticulture*. 72(2):443-444.
10. Lykas C., Basouris G., Petropoulos S., **Karkanis A.**, **2015**. Comparison of soil and soilless production of basil (*Ocimum basilicum* L.) in Mediterranean climatic conditions. *Proceedings of the International Symposium on New Technologies and Management for Greenhouses, GreenSys 2015*. 19th to 23rd July 2015. Evora, Portugal. p. 127.

Note: Papers 11-16 published after the Election as Assistant Professor of Weed Science.

11. Petropoulos A., Fernandes A., **Karkanis A.**, Ntatsi G., Barros L., Ferreira I.C.F.R., **2017**. Harvesting time affects yield and chemical composition of *Cichorium spinosum* L. *Proceedings of the 52nd Croatian and 12th International Symposium on Agriculture*, February 12-17, 2017, Dubrovnik, Croatia. p. 136.
12. Ioannou A., Petropoulos S., Fernandes A., **Karkanis A.**, Antoniadis V., Barros L., Ferreira, I.C.F.R., **2017**. Yield and chemical composition of *Cichorium Spinosum* L. in relation to nitrogen rate. *Proceedings of the International Conference Plant Nutrition, Growth & Environment Interactions III*. February 20-21, 2017, Vienna, Austria. p. 40.
13. Savvas D., Pappa V.A., Yfantopoulos D., **Karkanis A.**, Travlos I., Bebeli P.J., Ntatsi G., Bilalis D., **2017**. Impact of organic practices on growth, yield, and greenhouse gas emissions by pea landraces. *Proceedings of the III International Symposium on Organic Greenhouse Horticulture*, Izmir, Turkey, 2016. *Acta Horticulturae (ISHS)*. 1164:77-84.

14. Kolovou P., Antoniadis V., **Karkanis A.**, Ferreira I.C.F.R., Petropoulos S. **2017**. The effect of nutrient solution composition on development of *Cichorium spinosum* plants. *Proceedings of the VIII International Scientific Agriculture Symposium*, October 5-8, 2017. Jahorina, Bosnia and Herzegovina. pp. 270-274.
15. Liava V., **Karkanis A.**, Golia E., Antoniadis V., Tsiropoulos N., **2018**. Influence of agricultural byproducts use as organic amendments to the pesticides behavior in soil. *Proceedings of the Fifth International Symposium on Green Chemistry, Sustainable Development and Circular Economy*, September 30 to October 3, 2018, Skiathos, Greece. pp. 49.
16. Arampatzis D.A., **Karkanis A.C.**, Tsiropoulos N.G., **2018**. Evaluation of silymarin content and flavonolignans composition in *Silybum marianum* populations growing in Greece. *Proceedings of 30th International Symposium on the Chemistry of Natural Products*, 25-29 November, 2018, Athens, Greece. PS1-K-005.
17. **Karkanis Anestis**, Tsipni Eirini, **2019**. Cleavers (*Galium aparine* L.) resistance to acetolactate synthase (ALS)-inhibiting herbicides and its impact on growth rate. *Proceedings of the 18th International Conference "Life Sciences for Sustainable Development"*, 26-28 September, 2019, Cluz-Napoca, Romania. pp. 349.

E. Book chapters

Note: Book chapter published after the Election as Lecturer of Weed Science.

Karkanis A., Travlos I.S., Bilalis D.J., Tabaxi E.I., **2016**. Integrated weed management in winter cereals in Southern Europe, in: Travlos, I.S., Bilalis, D.J., Chachalis, D., Weed and pest control: Molecular biology, practices and environmental impact. Nova Science Publishers, Inc. USA. pp. 1-15.

F. Magazine article

Note: The magazine article published after the Election as Lecturer of Weed Science.

Karkanis A., 2014. Weed management in spring vegetable crops. Fresher. 3/2014. pp. 58-59 (in Greek).

16. Citations-Impact of Published Research (December 2019)

Total number of citations in Scopus: 618.

Total number of citations in Google Scholar: 1119.

H-index in Scopus: 13

H-index in Google Scholar: 19

17. Reviewer

Reviewer for >95 papers in 38 International Scientific Journals (<https://publons.com/author/1306353/anestis-karkanis#profile>).

1. Industrial Crops and Products
2. Crop Protection
3. International Journal of Pest Management
4. Agronomy for Sustainable Development
5. Scientia Horticulturae.
6. Archives of Agronomy and Soil Science
7. Frontiers in Plant Science
8. Agronomy
9. Plant Physiology and Biochemistry
10. Annals of Applied Biology.
11. Crop Science

12. Plants
13. BMC Plant Biology
14. Phytochemistry
15. Sustainability
16. Molecules
17. International Journal of Molecular Sciences
18. Journal of the Science of Food and Agriculture
19. Trends in Food Science & Technology
20. Biotechnology Reports
21. Notulae Botanicae Horti Agrobotanici Cluj-Napoca
22. Agriculture
23. Acta Agriculturae Scandinavica, Section B-Plant Soil Science
24. Journal of Integrative Agriculture (formerly Agricultural Sciences in China).
25. American Journal of Agricultural and Biological Science
26. Acta Universitatis Agriculturae et Silviculturae Mendelianae Brunensis.
27. Journal of Agriculture and Rural Development in the Tropics and Subtropics.
28. Notulae Scientia Biologicae
29. Journal of Soil Science and Environmental Management.
30. The Plant Pathology Journal
31. Annals of Agricultural Sciences
32. Asian Journal of Agriculture and Biology
33. Sensors

34. Agricultural and Food Science
35. African Journal of Agricultural Research
36. Acta Agrobotanica
37. Horticulturae
38. Land Degradation & Development