

## Curriculum Vitae

Name	<b>Pavlos Bouchagier</b>	Year of Birth: 1968
Current Position	Assistant Professor, Ionian University, Department of Food Science	
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WebPage: <a href="https://www.researchgate.net/profile/Pavlos_Bouchagier/info">https://www.researchgate.net/profile/Pavlos_Bouchagier/info</a>		

**Research Interests:** Organic farming, Weed Science, Crop Production, Allelopathy, Invasive Plants, Quality Systems, Agricultural Extension.

### Successfully completed Projects (co-funded by European Union and Private Sector)

#### After assigned as Assistant Professor:

1. "Cooperazione scientifica per lo sviluppo della ricerca e trasferimento delle conoscenze tecnologiche alle imprese biologiche di prodotti locali allo scopo di favorirne la competitività nell'ambito dello sviluppo sostenibile (Co-Bio). Programma di Iniziatiava Comunitaria INTERREG IIIA Grecia-Italia **2006-2008**. (Scientific Coordinator for the Technological Educational Institute of Ionian Islands. Co-funded by European Union).
2. "Sviluppo e promozione per i sistemi di produzione biologica" (Pro.Bio.Sis). Programma di Iniziatiava Comunitaria INTERREG IIIA Grecia-Italia **2006-2008**. (Scientific Co-ordinator for the Technological Educational Institute of Ionian Islands. Co-funded by European Union).
3. Traditional United Europe Food. Sixth Framework Programme. Priority 5. Food Quality and Safety Call 3, **2006-2010**. (Scientific Co-ordinator for the Technological Educational Institute of Ionian Islands. Co-funded by European Union).
4. "Registration, selection and establishment of a genetic material bank of the indigenous varieties of the Ionian Islands" (2010-2012). Promotion of the Technological Educational Institute of the Ionian Islands as an International Pole of Education and Innovation. Business Plan for Education and Lifelong Learning 2007-2013. (Scientific director). Co-financing from European Resources.
5. "Assessment of the Environmental Degradation of the Ionian Islands due to Alien Plant Species" (2010-2012). Promotion of the Technological Educational Institute of the Ionian Islands as an International Pole of Education and Innovation. Education and Lifelong Learning Business Plan 2007-2013. (Scientific coordinator). Co-funded by European Union.

#### After assigned as Permanent Assistant Professor:

6. Preliminary Study on the Utilization of Cheese Production Waste in Kefalonia for Production of Protein Concentrate and Bioethanol (2015)". This study was exclusively funded by the Association of Kefalonia Cheesemakers (Scientific Coordinator).
7. "Identification of requirements for the monitoring of olive tree diseases and evaluation of the standard intelligent system" of the Act "Development of an intelligent application for remote monitoring and real-time prediction of olive tree pest infestation and diseases", with MIS code 5007257 (2016) (Scientific Coordinator). Co-funded by European Union.
8. Assessment of the impact on the biodiversity of areas of High Natural Value of the Region of the Ionian Islands due to the invasion of non-native invasive weeds 'Ailanthus altissima' (HNV-Threat) MIS 5032911. Funded by Operational Program "Ionian Islands 2014-2020" Co-funded by the European Union. Scientific coordinator.
9. Recording, Characterization, Evaluation and Conservation of Natural Genetic Resources of the Region of Ionian Islands in the framework of the National Strategy for Biodiversity: Indigenous Species with Medicinal Value (BIOCONSION) MIS 5033717. Funding from the Operational Program "Ionian Islands 2014-2020", (Project Team Member) (2019).

## Education and training

- ▯ **2002-2005:** PhD student in the Agricultural University of Athens (Department of Crop Production) Διδακτορική Διατριβή στο Γεωπονικό Πανεπιστήμιο Αθηνών (Τμήμα Φυτικής Παραγωγής). Title: Study of Allelopathic potential of bermudagrass (*Cynodon dactylon*, L.), with emphasis in the influence on the development of cotton (*Gossypium hirsutum*, L.).
- ▯ **1999-2000:** Master of Science in Tropical Agricultural Development (Crop Protection Option). University of Reading, UK.
- ▯ **1987-1995:** Agronomist, Agricultural University of Athens, Department of crop Production.
- ▯ **Training in Quality Systems** (ISO Standards): ISO 14001:2001, ISO 22000:2005, ISO 17021:2006, ISO 19011:2002, EurepGap/GlobalGap, Food Security (852/2004, 853/2004, 854/2004, 882/2004)
- ▯ **Economics of European Integration-Jean Monnet Program.** Agricultural University of Athens, 1991-1992.
- ▯ **Genetically Modified Organisms in the Agricultural and Natural Environment.** MSc Program, Department of Natural Resources and Agricultural Engineering, Agricultural University of Athens, (2003).

## Education experience

### Education in Bachelor Programs

- ▯ **January 3, 2007 to present:** Assistant Professor, Department of Organic Farming Technological education Institute of Ionian Islands. Head of Department between 1 September 2007 to 31 August 2010.
- ▯ **October 9, 2006 to 2 January 2007:** Assistant Professor under contract in the Department of Food Science of the Technological Educational Institute of Ionian Islands.
- ▯ **March 1 to 30 June 2006. Lecturer under contract in the Agricultural University of Athens.**
- ▯ **February 19, 2001 to 26 June 2001 and 25 September 2001 to 26 February 2002:** Lecturer under contract in the Department of Organic Farming in the Technological Education Institute of Epirus.

### Education in MSc Programs

- ▯ **October 2018 to February 2019: University of Patras** (MBA Food Business Management), Department of Farm and Food Business.
- ▯ **February 2019 to July 2019: Agricultural University of Athens,** (Joint MBA in Farm Business). Department of Agricultural Economics and Livestock Science.

## Published papers

### Papers in research journals

1. **Pavlos Bouchagier**, 2020. Implementation of quality systems to improve performance in food sector business. International Journal of Economics and Management Studies, 7 (5) 97-101, DOI: 10.14445/23939125/IJEMS-V7I5P115
2. Efstathia Skotti, Christos Pappas, Maria Kaiafa, Iliada K. Lappa, Dimitrios Tsitsigiannis, Charilaos Giotis, **Pavlos Bouchagier** and Petros Tarantilis, 2020. Discrimination and quantification of aflatoxins in *Pistachia vera* Seeds Using FTIR-DRIFT spectroscopy after their treatment by Greek medicinal and aromatic plants extracts. Food Science and Engineering, 1, 45-57, DOI: 10.37256/fse.112020213
3. **Pavlos Bouchagier**, Efstathia Skotti, 2020. Is implementation of an Environmental Management System a reliable option for the control of plant quarantine organisms? International Journal of Economics and Management Studies, 7, (2), 128-134, DOI: 10.14445/23939125/IJEMS-V7I2P118
4. **Pavlos Bouchagier**, Konstantinos Tsimpoukas, Panagiotis Kaldis, 2018. Inferior performance in organic vine and olive sector due to the poor implementation of quality processes. The case of Kefallinia. Journal of Plant Science, 2, (3). DOI: 10.25177/JPS.2.3.1
5. Efstathia Kalli, Iliada Lappa, **Pavlos Bouchagier**, Petros A. Tarantilis and Efstathia Skotti, 2018. Novel application and industrial exploitation of winery by-products. *Bioresources and Bioprocessing*, 5:46, Springer Open. <https://doi.org/10.1186/s40643-018-0232-6>
6. **Pavlos Bouchagier**, 2018. Survival of root-knot nematodes and their egg-parasitic fungus *Pochonia chlamydosporia* (Goddard) on weeds roots. Journal of Plant Science, 2 (2). DOI: 10.25177.JPS.2.2.4

7. Romanos Kalamatianos, **Pavlos Bouchagier**, Markos Avlonitis, 2018. Modeling the effect of olive fruit bearing percentage on *Bactrocera oleae* stochastic depression. *Journal of Agricultural Informatics*: Vol. 9, No. 2. doi: 10.17700/jai.2018.9.2.437
8. Peter A. Roussos, Dionisios Gasparatos, Konstantina Kechroglou, Peter Katsenos, **Pavlos Bouchagier** (2017). Impact of organic fertilization on soil properties, plant physiology and yield in two newly planted olive (*Olea europaea* L.) cultivars under Mediterranean conditions. *Scientia Horticulturae*, 220: 11-19. <https://doi.org/10.1016/j.scienta.2017.03.019>
9. Skotti, E., Kountouri, S., Kaiafa, M., **Bouchagier, P.**, Tsitsigianis, D.I., Polissiou, M., Tarantilis, P.A. (2016). Biological activity of selected Greek medicinal and aromatic plants extracts on *Alternaria alternata*. *Emirates Journal of Food and Agriculture*, 28, (11), 796-804. doi: 110.9755/ejfa.2016-06-618
10. Skotti, E., Kountouri, S., **Bouchagier, P.**, Tsitsigianis, D.I., Polissiou, M., Tarantilis, P.A. (2014). FTIR spectroscopic evaluation of changes in the cellular biochemical composition on the phytopathogenic fungus *Alternaria alternata* induced by extracts of some Greek medicinal aromatic plants. *Spectrochimica Acta -Part A: Molecular and Biomolecular Spectroscopy*, 127, 463-472. doi: 10.1016/j.saa.2014.02.113
11. Filippou, P., **Bouchagier, P.**, Skotti, E., Fotopoulos, V. (2014). Proline and reactive oxygen/nitrogen species metabolism is involved in the tolerant response of the invasive plant species *Ailanthus altissima* to drought and salinity. *Environmental and Experimental Botany*, 97, 1-10. doi: 10.1016/j.envexpbot.2013.09.010
12. Ribas-Agusti, A., **Bouchagier, P.**, Skotti, E., Erba, D., Casiraghi, C., Sarraga, C., Castellari, M. (2013). Effects of different organic and anti-fungal treatments on tomato plant productivity and selected nutritional components of tomato fruit. *Journal of Horticultural Science and Biotechnology*, 88 (1), 67-72.
13. **P. Bouchagier** and P. Efthimiadis (2010). Allelopathic susceptibility of Cotton to Bermudagrass. *J. Agron.*, 9: 23-28. doi: 10.3923/ja.2010.23.28.
14. **P. Bouchagier**, A. Efthimiadou, A. Katsileros, D. Bilalis and P. Efthimiadis (2008). Adverse Effect of Bermudagrass on Physiological and Growth Components of Cotton. *Journal of Agronomy* 7 (1), 2008, 49-55. DOI:10.3923/ja.2008.4955 URL: <http://scialert.net/abstract?doi=ja.2008.49.55>

#### International Conference papers

1. Mavronas, A., I Katsalirou, E. Skotti and **P. Bouchagier** (2011). Perceptions for organic agricultural products by the consumers of three areas (Aegaleo, Daphni, Kifissia) in Athens, Greece. International Conference of AgriBioMediterraneo , IFOAM: Organic Agriculture and Agro-Eco Tourism in the Mediterranean". 16-18 September 2011, Zakynthos, Greece.
2. **P. Bouchagier** and E. Skotti (2009). *Ailanthus altissima* (Mill.) Swingle. A significant environmental threat in urban areas. Third Ain-Shams University International Conference on Environmental Engineering (3), 22-28.
3. E. Skotti, **P. Bouchagier**, E. Spanidi and M. Plappert (2009). The role of heavy metals in the acute toxicity of landfill leachates towards two aquatic crustaceans. Third Ain-Shams University International Conference on Environmental Engineering (3), 207-213.
4. E. Skotti, K. Kabassi, **P. Bouchagier** and A. Martinis (2009). Environmentally sustainable strategies for solid wastes management in island areas (Zakynthos island case). Third Ain-Shams University International Conference on Environmental Engineering (1), 256-264.

#### Greek conference papers

1. Π. Βατίτσα, Γ. Κωστελένος, **Π. Μπουχάγιερ**, Ε. Ντάνος, Α. Τσαφούρος, Ν.-Κ. Δεναξά, Μ. Πατέρας, και Π.Α. Ρούσσος (2017). Επίδραση του υποκειμένου στο φωτοσυνθετικό μηχανισμό και το επίπεδο σακχάρων στα φύλλα ελιάς ποικιλίας «Καλαμών» υπό συνθήκες αλατότητας. 28<sup>ο</sup> Συνέδριο Ελληνικής Εταιρείας Επιστήμης Οπωροκηπευτικών, Αθήνα.
2. Σκώπτη Ε., Αναστασάκη Ε., Κουντούρη Σ.Δ., **Μπουχάγιερ Π.**, Τσιτσιγιάννης Δ.Ι., Ταραντίλη Π.Α., Πολυσίου Μ. (2012). Βιολογική δράση υδατικών εκχυλισμάτων αρωματικών φυτών σε φυτοπαθογόνους και εντομοπαθογόνους μύκητες. Συνέδριο MICROBIOKOSMOS, Αθήνα.
3. Π. Φιλίππου, **Π. Μπουχάγιερ**, Ε. Σκώπτη, Ε. Κατσαλήρου και Β. Φωτόπουλος (2012). Επίδραση της αβιοτικής καταπόνησης υπό συνθήκες αλατότητας στο αλλόχθονο δενδρώδες ζιζάνιο *Ailanthus altissima*. 17<sup>ο</sup> Συνέδριο της Ελληνικής Ζιζανιολογικής Εταιρείας. Αθήνα.
4. Π. Φιλίππου, **Π. Μπουχάγιερ**, Ε. Σκώπτη, Ε. Κατσαλήρου και Β. Φωτόπουλος (2012). Μελέτη της αντοχής της βρωμοκαρυδιάς (*Ailanthus altissima*) σε συνθήκες ξηρασίας. 17<sup>ο</sup> Συνέδριο της Ελληνικής Ζιζανιολογικής Εταιρείας. Αθήνα.

5. **P. Bouchagier**, M. Ioannou-Skenter, E. Skotti, E. Efthimiadou, P. Efthimiadis (2008). Assessment of biological activity of the extract of Tree of heaven (*Ailanthus altissima*, Mill. Swingle). 15o Greek Weed Science Congress Conference, Thessaloniki, Greece (in Greek).
6. **Bouchagier P.**, A. Kalamaraki, G. Troyanos, F. Karamaouna, E. Skotti, V. Mauroeidi and E. Markellou (2008). Effect of two foliar elicitors Milsana® and Chitoplant® on powdery mildew development, plant growth and quality characteristics of tomatoes. 14o Greek Phytopathological Congress Conference, Nafpio, Greece (in Greek).
7. Karkanis A. **Bouchagier P.**, Bilalis D. and P. Efthimiadis (2006). Effect of irrigation in growth and physiological characteristics of velvetleaf (*Abutilon theophrasti*), common cocklebur (*Xanthium strumarium*), black nightshade (*Solanum nigrum*) and jimsonweed (*Datura stramonium*). 14o Greek Weed Science Congress Conference, Volos, Greece (in Greek).
8. **Bouchagier P.**, Gasparatos D., Karkanis A., Bilalis D., Moustakas N. And P. Efthimiadis (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 Bermudagrass (*Cynodon dactylon*, L.). 14o Greek Weed Science Congress Conference, Volos, Greece (in Greek).
9. **Bouchagier P.**, Karkanis A., Bilalis D. and Efthimiadis P. (2006). Alterations of photosynthetic parameter values of cotton (*Gossypium hirsutum*, L) due to the influence of Bermudagrass (*Cynodon dactylon*, L) a) when plants are growing in soil and b) after the effect of water extract of Bermudagrass in cotton. 14o Greek Weed Science Congress Conference, Volos, Greece (in Greek).

#### International Conference Papers (before Assigned as Assistant Professor)

1. **P. Bouchagier**, P. Efthimiadis (2005). Study of Bermudagrass (*Cynodon dactylon* L.) allelopathy to cotton (*Gossypium hirsutum* L.) when growing in a nutrient solution. A new approach. The BCPC International Congress Crop Science and Technology, Glasgow, UK, 479-483.
2. E. Skorda, P. Liakopoulou-Grivakou, A. P. Efthimiadis and **P. Bouchagier** (2005). Indirect weed control in wheat by variety selection and high crop density. The BCPC International Congress Crop Science and Technology, Glasgow, UK, 861-866.
3. **P. Bouchagier** and P. Efthimiadis (2003). Growth reduction of cotton (*Gossypium hirsutum*, L.) caused by Bermudagrass (*Cynodon dactylon*, L). A case of allelopathy. The BCPC International Congress Crop Science and Technology, Glasgow, UK, 611-614.

#### Greek Conference Papers (before Assigned as Assistant Professor)

1. **P. Bouchagier**, T. Mitsis and P. Efthimiadis (2004): Application of hydroponics in the study of allelopathic effect of Bermudagrass (*Cynodon dactylon*, L.) in cotton (*Gossypium hirsutum*, L.). 13o Greek Weed Science Congress Conference, Orestiada, Greece (in Greek).
2. **Bouchagier P.**, Efthimiadis P., Polysiou M. and Lolas P. (2002): Allelopathic effect of Bermudagrass (*Cynodon dactylon*, L.) in cotton (*Gossypium hirsutum*, L.). 12o Greek Weed Science Congress Conference, Athens, Greece (in Greek).

#### High Profile Positions

- July 1, 2005 until present: Assessor Greek National Accreditation System (NAGREF) in the Farm/Food Sector

#### Other Interests

Lyrics, tango