

University of Thessaly
Department of Agriculture Crop Production
and Rural Environment
Volos
Greece

Email: vagelas@uth.gr
Phone: 0030 24210 93295
Web of Science Researcher ID [I-5761-2013](https://orcid.org/0000-0001-9141-1000)



Ioannis Vagelas, PhD, MPhil, MSc
https://www.researchgate.net/profile/Ioannis_Vagelas

Professor (Assistant)
Plant Pathology

Education (BSc Agriculture)

- Oct 2003 – Sep 2011* **University of Reading, United Kingdom, Reading**
MPhil, Mathematics and Statistics - Biological control.
Reading, United Kingdom
- Sep 2002 – Sep 2003* **The University of Manchester, School of Biology**
PGCert (Immunobiology), Immunobiology.
Manchester, United Kingdom
- Oct 1999 – Sep 2002* **University of Reading, United Kingdom, Reading**
PhD, Phytopathogenic fungi - Biological control. Pseudomonas.
Reading, United Kingdom
- Oct 1998 – Sep 1999* **University of Reading, United Kingdom, Reading**
MSc, Crop Protection (Plant Pathology).
Reading, United Kingdom

Thesis

- Vagelas I. (2011). *Analysis of the movement of juvenile root-knot nematodes encumbered with spores of Pasteuria penetrans*. Dissertation note: Thesis (MPhil.) - University of Reading, Department of Mathematics and Statistics (School of Mathematical and Physical Sciences).
- Vagelas I. (2002). *Efficacy of Pseudomonas oryzihabitans as a biocontrol agent of root pathogens*. Dissertation note: Thesis (PhD.) - University of Reading, Department of Agriculture (School of Agriculture, Policy and Development).

Vagelas I. (1999). *Assessing Pathogenic and Morphological Variability in Colletotrichum gloeosporioides in South Pacific*. Dissertation note: Thesis (MSc.) - University of Reading, Department of Agriculture (School of Agriculture, Policy and Development)

Research Experience

University of Thessaly: Volos, Greece

2019 to present | Assistant Professor (Department of Agriculture Crop Production and Rural Environment)

Technological Educational Institute of Thessaly: Larissa, Greece

2015 to 2019 | Assistant Professor (Department of Agriculture (School of Plant Production))

Technological Educational Institute of Larissa: Larissa, Greece

2009 to 2015 | Lecturer (Department of Plant Production)

Skills & Activities - Hobbies

<i>Skills</i>	Plant Pathology, Biological Control, Statistical Modeling, Nematology, Essential Oils, Biopesticides, Bacteria, Fungi
<i>Scientific Memberships</i>	Mediterranean Phytopathological Union.
<i>Hobbies</i>	Larissa Marathon Runners Club (http://larisarunners.blogspot.gr/) Music / Flute, Piccolo Flute

Research Projects

«ENBIOS»

Project Goal: Application of Nanotechnology Solutions in Crop Protection

Starting Date: 22 August 2018

Current Stage: «ENCAPSULATION OF BIOACTIVE SUBSTANCES OF AROMATIC AND PHARMACEUTICAL PLANTS IN NANOSOMATIDES FOR USE IN THE PRODUCTION OF: (a) BIOLOGICAL FOODS & FOOD SUPPLEMENTS (b) ANIMAL HEALTH PROTECTION PRODUCTS (c) PLANT PROTECTION PRODUCTS» Acronym: «ENBIOS»

Publication Highlights

Books

Rigas G., & I. Vagelas. (2017). *Biometry*. Utopia, ISBN: 978-618-5173-31-9

Vagelas I., Pembroke B., & S.R. Gowen. (2010). *Modelling Plant Science Data: Digital Image Analysis*. LAP LAMBERT Academic Publishing, ISBN: 978-3838377537

Vagelas I., & S. Leontopoulos. (2010). *Safe and Use of Pesticides*. Grammiko Publications, Larissa, ISBN: 978-960-99256-3-1

Leontopoulos S., & I. Vagelas. (2010). *Insects-Acari-Nematodes, Determination and Recognition*. Grammiko Publications, Larissa, ISBN: 978-960-99256-4-8

Vagelas I., Leontopoulos S., & F. Gravanis. (2010). *Plant Protection of Grapevines and Horticultural Crops*. Grammiko Publications, Larissa, ISBN: 978-960-98448-9-1

Vagelas I., Leontopoulos S., & F. Gravanis. (2010). *Plant Protection of Arable Crops*. Grammiko Publications, Larissa, ISBN: 978-960-98448-8-8

Book Chapters

Leontopoulos, S., Skenderidis, P., & Vagelas, I. K. (2020). *Potential Use of Polyphenolic Compounds Obtained from Olive Mill Waste Waters on Plant Pathogens and Plant Parasitic Nematodes*. *Plant Defence: Biological Control*, 137–177. doi:10.1007/978-3-030-51034-3_6

Abd-Elgawad, M. M. M., & Vagelas, I. K. (2015). *Nematophagous bacteria: field application and commercialization*. *Biocontrol Agents of Phytonematodes*, 276–309. doi:10.1079/9781780643755.0276

Vagelas, I. K. (2015). *Novel bacteria species in nematode biocontrol*. *Biocontrol Agents of Phytonematodes*, 310–320. doi:10.1079/9781780643755.0310

Awards

WORLD MICROBE FORUM, 20-24 June, 2021 (Online Worldwide, www.worldmicrobeforum.org)

POSTER & ORAL PRESENTATION PRIZES, won one of the iPoster Prizes at the World Microbe Forum, sponsored by the FEMS Journals

Journal Publications

Vagelas, I., Papadimos, A., & Lykas, C. (2021). Pre-Symptomatic Disease Detection in the Vine, Chrysanthemum, and Rose Leaves with a Low-Cost Infrared Sensor. *Agronomy*, 11(9), 1682. doi:10.3390/agronomy11091682

Vagelas, I. (2021). Important Foliar Wheat Diseases and their Management: Field Studies in Greece. *Modern Concepts & Developments in Agronomy*, 8(1). doi:10.31031/mcda.2021.08.000680

Vagelas, I. (2021). Latest Application Technology in Wheat Crop Simulation and Disease Prediction Models. *Modern Concepts & Developments in Agronomy*, 7(5). doi:10.31031/mcda.2021.07.000674

- Vagelas, I. (2021). Assessing Wheat Damage Caused by *Gaeumannomyces graminis* Using Plant Pathology Techniques, Image Analysis, and Satellite Data Image Analysis. *Modern Concepts & Developments in Agronomy*, 8(4). doi:10.31031/mcda.2021.08.000692
- Vagelas, I. (2020). Data analysis and modeling of *Pasteuria penetrans* spore attachment. *International Journal of Agriculture & Environmental Science*, 7(5), 108–113. doi:10.14445/23942568/ijaes-v7i5p116
- Vagelas, I., Michail, G., & Reizopoulou, A. (2020). Bacteria Isolated from Cave Aquatic Environment Exhibit Significant Antifungal Activity Against Phytopathogenic Fungi and Oomycetes. *International Research Journal of Engineering and Technology (IRJET)*, 7(12), 1781–1785.
- Vagelas, I., & Gougoulias, N. (2020). Research regarding wine faults due to filamentous fungi. *International Journal of Agriculture & Environmental Science*, 7(5), 114–119. doi:10.14445/23942568/ijaes-v7i5p117
- Lykas, C., Gougoulias, N., & Vagelas, I. (2019). Effect of Manure and Cocoa Shell Biomass Addition on Soil Chemical Properties Under Laboratory Incubation Conditions. *International Journal of Agriculture & Environmental Science*, 6(6), 58–66. doi:10.14445/23942568/ijaes-v6i6p109
- Gougoulias, N., I. Vagelas, L. Giurgiulescu, M.-N. Ntalla, & P. Nterkou, A. Salonikioti, S. Efthimiou, & I.-R. Sugar. (2018). Comparative study on polyphenols content and antioxidant effect of some grape varieties grown in central greece. *Carpathian Journal of Food Science and Technology*, 10(1):141-149.
- Gougoulias N., Vagelas I., Giurgiulescu L., Touliou E., Kostoulis V., & A. Chouliara. (2017). The coir substrate for soilless cultures, reused as soil amendment (study in vitro and in vivo). *Carpathian Journal of Food Science and Technology*, 9(4):61-70.
- Giurgiulescu L., Vagelas I., Gougoulias N., & L. Mihaly-Cozmuta. (2017). Chemical composition and heavy metals content in distilled products from plums obtained in the northwest of Romania. *Acta horticultrae* 10. DOI:10.17660/ActaHortic.2017.1175.16
- Leontopoulos, S. P. Skenderidis, V. Anatolioti, M. Kokkora, S. Tsilfoglou, K. Petrotos, & I. Vagelas. (2017). Antifungal Activity of *Azadirachta indica* Aqueous and Non-Aqueous Extracts on *Colletotrichum gloeosporioides*, *Botryodiplodia theobromae* and *Fusarium solani*. A First Approach. *International Journal of Food and Biosystems Engineering*, 6(1), 38-50.
- Leontopoulos, S. K. Petrotos, V. Anatolioti, P. Skenderidis, S. Tsilfoglou, & I. Vagelas. (2017). Effects of Cells and Cells-Free Filtrates Supernatant Solution of *Pseudomonas oryzihabitans* on Root-Knot Nematodes (*Meloidogyne javanica*). *International Journal of Food and Biosystems Engineering*, 6(1), 23-37.
- Leontopoulos, S. K. Petrotos, V. Anatolioti, P. Skenderidis, S. Tsilfoglou, & I. Vagelas. (2017). Chemotactic Responses of *Pseudomonas oryzihabitans* and Second Stage Juveniles of *Meloidogyne javanica* on Tomato Root Tip Exudates. *International Journal of Food and Biosystems Engineering*, 5(1), 75-100.
- Gougoulias, N. L. Giurgiulescu, I. Vagelas, E. Wogiatzi, & M.-N. Ntalla. (2017). Changes in Total Phenol Content and Antioxidant Activity of Greek Table Olive Cultivar Amfissis During Maturation. *Studia Universitatis Babeş-Bolyai. Chemia*, 62 (LXII)(2):387-396., DOI:10.24193/subbchem.2017.2.3
- Leontopoulos, S. K. Petrotos, V. Anatolioti, P. Skenderidis, S. Tsilfoglou, C. Papaioannou, M. Kokkora, & I. Vagelas. (2017). Preliminary Studies on Mobility and Root Colonization Ability of *Pseudomonas oryzihabitans*. *International Journal of Food and Biosystems Engineering*, 3(1), 73-89.

- Gougoulias N., Vagelas I., Wogiatzi E., Giurgiulescu L., Samaltanis S., Chouliara A. (2017). Comparative study on polyphenols content and antioxidant effect of olive cultivars from the Island Paros, Greece. *Carpathian Journal of Food Science and Technology*, 9(1):144-151.
- Gougoulias N., Wogiatzi E., Vagelas I., Giurgiulescu L., Gogou I., Ntalla M.N., & D. Kalfountzos. (2017). Comparative study on polyphenols content, capsaicin and antioxidant activity of different hot peppers varieties (*Capsicum annum* L.) under environmental conditions of Thessaly region, Greece. *Carpathian Journal of Food Science and Technology*, 9(1):109-116.
- Gougoulias, N., Papachatzis, A., Vagelas, I., Giurgiulescu, L., Karaboula, A., & Kalfountzos, D. (2016). Total phenols, antioxidant activity and yield, in tomatoes and peppers in a closed greenhouse and comparison with a conventional greenhouse. *Stud. UBB Chem*, 61, 295-303.
- Giurgiulescu L., Vagelas I., Gougoulias N., Stoica F, Banica M., & N. Ungureanu. (2016). VARIATION IN CHEMICAL COMPOSITION OF WHITE WINES CONTAMINATED WITH MOLDS. *Annals of the University of Craiova* 12/2016; Series: *Biology, Horticulturae, Food produce processing technology, Environmental engineering*, (Vol. XXI (LVII)):311-314.
- Giurgiulescu, L. Vagelas I., & N. Gougoulias. (2016). Research regarding the influence of *Penicillium chrysogenum*, *Penicillium expansum* and *Phanerochaete* spp. on chemical composition of red wines. *Romanian Biotechnological Letters*, 21 (2):11290-11297.
- Giurgiulescu, L. L. Qian, A. Cadar, I. Vagelas, & N. Gougoulias, I. Sugar. (2015). Classification of Vinegar Blender with Different Wood Essences by Spectroscopy Method. *Annals of the University of Craiova Series: Biology, Horticulturae, Food produce processing technology, Environmental engineering*, (Vol. XX (LVI)):157-164.
- Vagelas, I. & S. Leontopoulos. (2015). Cross-protection of cotton against *Verticillium* wilt by *Verticillium nigrescens*. *Emirates Journal of Food and Agriculture*, 27(9):687-691., DOI:10.9755/ejfa.2015-04-047
- Gougoulias, N. L. Giurgiulescu, D. Kalfountzos, A. Papachatzis, I Vagelas, D. Ftakas, D. Pateras, & A. Chouliara. (2015). Coir Employed as Soilless Cultivation Substrate and its Interference With Nutrien Solution During Two Tomatoes Cropping Periodes (Case Study). *Studia Universitatis Babeş-Bolyai. Chemia*, LX, 2, Tom I: 177-185.
- Peter, A. D. Tegla, L. Giurgiulescu, A.M. Cozmuta, C. Nicula, & L.M. Cozmuta, I. Vagelas. (2015). Development of Ag/TiO₂-SiO₂-coated food packaging film and its role in preservation of green lettuce during storage. *Carpathian Journal of Food Science & Technology*, 7(4).
- Gougoulias, N. I. Vagelas, A. Papachatzis, D. Kalfountzos, L. Giurgiulescu, & A. Chouliara. (2014). Mixture of solid with water soluble, olive oil mill waste application, as soil amendment in greenhouse cultivation of vegetables (case study). *Carpathian Journal of Food Science and Technology*, 6 (2): 63-68.
- Giurgiulescu L., Vălean Bianca, Vagelas I., Gougoulias N., & Sugar I.R. (2014). Study on Red Wines Contamination With Different Types of Moulds. *Annals of the University of Craiova Series: Biology, Horticulturae, Food produce processing technology, Environmental engineering*, (Vol.XIX (LV)):201-206.
- Vagelas, I. H. Kalorizou, A. Papachatzis, & M. Botu. (2014). Bioactivity of Olive Oil Mill Wastewater Against Plant Pathogens and Post-Harvest Diseases. *Biotechnology & Biotechnological Equipment*, 23(2):1217-1219., DOI:10.1080/13102818.2009.10817641

- Lykas, C. I. Vagelas, & N. Gougoulias. (2014). Effect of olive mill wastewater on growth and bulb production of tulip plants infected by bulb diseases. *SPANISH JOURNAL OF AGRICULTURAL RESEARCH*, 12(1):233-243., DOI:10.5424/sjar/2014121-4662
- Gougoulias, N. I. Vagelas, A. Papachatzis, D. Kalfountzos, A. Chouliara & L. Giurgiulescu. (2014). Mixture of solid with water soluble, olive oil mill waste application, as soil amendment in greenhouse cultivation of vegetables (case study). *Carpathian Journal of Food Science and Technology*, 6(2):63-68.
- Vagelas, I. & F. Gravanis. (2013). *Phelipanche nana* (Reut.) Sojak parasitism on lentil (*Lens culinaris*) and parasitism of *P. aegyptiaca* on *Carduus marianus* in Thessalia region, Greece. *Archives of Phytopathology and Plant Protection*, 47(16):1-7., DOI:10.1080/03235408.2013.862944
- Vagelas I.. (2013). Diagnosis and management of Sclerotinia stem rot (white mould) of lentils in Greece. *Archives of Phytopathology and Plant Protection*, 47(10):1209-1217., DOI:10.1080/03235408.2013.835986
- Gougoulias, N., Vagelas, I., Papachatzis, A., Stergiou, E., Chouliaras, N., & Chouliara, A. (2013). Chemical and biological properties of a sandy loam soil amended with olive mill waste, solid or liquid form, in vitro. *International journal of Recycling of Organic waste in Agriculture*, 2(1), 1-8.
- Vagelas, I., Dennett, M. D., Pembroke, B., & Gowen, S. R. (2013). Fitting the negative binomial distribution to *Pasteuria penetrans* spore attachment on root-knot nematodes and predicting probability of spore attachments using a Markov chain model. *Biocontrol Science and Technology*, 23(11), 1296-1306. DOI:10.1080/09583157.2013.829800
- Vagelas, I., Dennett, M. D., Pembroke, B., Ipsilandis, P., & Gowen, S. R. (2013). Understanding the movement of root-knot nematodes encumbered with or without *Pasteuria penetrans*. *Biocontrol Science and Technology*, 23(1), 92-100. DOI:10.1080/09583157.2012.736474
- Gougoulias, N. A. Papachatzis, H. Kalorizou, I. Vagelas, E. Wogiatzi, & N. Chouliaras. (2013). Comparative studies on biodegradation effect of Neem (*Azadirachta indica* A. juss) and of an organic fertilizer added in soil. *Acta horticultrae*, 981(1):379-384..
- Vagelas, I. K., Dennett, M. D., Pembroke, B., & Gowen, S. R. (2012). Adhering *Pasteuria penetrans* endospores affect movements of root-knot nematode juveniles. *Phytopathologia Mediterranea*, 618-624.
- Gougoulias, N. A. Papachatzis, H. Kalorizou, I. Vagelas, L. Giurgiulescu, & N. Chouliaras. (2012). Total phenolics, lycopene and antioxidant activity of hydroponically cultured tomato sandin F1. *Carpathian Journal of Food Science and Technology*, 4(2):46-51.
- Vagelas, I. N. Gougoulias, L. Giurgiulescu, & A. Raluca. (2012). Study on red wines contamination with different types of moulds. *Carpathian Journal of Food Science and Technology*, 4 (1):17-21.
- Vagelas, I. & S. R. Gowen. (2012). Control of *Fusarium oxysporum* and root-knot nematodes (*Meloidogyne* spp.) with *Pseudomonas oryzihabitans*. *Pak. J. Phytopathol*, 24(1), 32-38.
- Vagelas, I. S. Leontopoulos, B. Pembroke, & S. Gowen. (2012). Poisson and Negative Binomial Modeling Techniques for Better Understanding *Pasteuria penetrans* Spore Attachment on Root-Knot Nematode Juveniles.. *Journal of Agricultural Science and Technology* 2 (A2):273-277. DOI:10.17265/2161-6256/2012.02A.013

- Gougoulas, N. A. Papachatzis, H. Kalorizou, I. Vagelas, N. Chouliaras, & E. Iliadou. (2012). Hydroponically Cultured Tomato Fruit Phenolics, Lycopene and Antioxidant Activity at Different Ripening Stages. *Annals of Nutrition and Metabolism*, 60(2):137-137.
- Vagelas, I. N. Gougoulas, L. Giurgulescu, & I. Papageorgiou. (2012). Potential antifungal activity of olive mill wastewater against postharvest diseases of pears. *Carpathian Journal of Food Science and Technology*, 4(1):31-36.
- Vagelas, I.K. C.I. Rumbos, & J. Tsiantos: (2012). Variation in disease development among Persian walnut cultivars, selections and crosses when inoculated with *Xanthomonas arboricola* pv. *juglandis* in Greece. *Journal of Plant Pathology*, 94(1sup), 1-57.
- Vagelas, I. H. Kalorizou, A. Papachatzis, & F. Gravanis. (2011). First Report of Powdery Mildew of *Cydonia oblonga* Caused by *Podosphaera clandestina* and *Setoerysiphe kashmeriensis* in Greece. *Acta horticulturae*, (917): 181-186., DOI:10.17660/ActaHortic.2011.917.23
- Leontopoulos S, Vagelas I.K, & F.T Gravanis. (2011). Estimate the Emergence of *Pectinophora gossypiella* Saunders. (Lepidoptera: Gelechiidae) With Degree Days in the Region of Thessaly, Greece. *Journal of Agricultural Science and Technology*, 1(2):182-186. DOI:10.17265/2161-6256/2011.06A.005
- Vagelas I, Gougoulas N, Nedesca, E.-D, & L. Giurgulescu. (2011). Bread contamination with fungus. *Carpathian Journal of Food Science and Technology*, 3(2):1-6.
- Vagelas, I., Pembroke, B., & Gowen, S. (2011). Modelling Movements of Root-knot Nematodes *Meloidogyne* spp. Juveniles when Encumbered with Spores of *Pasteuria penetrans*. In *HAICTA* (pp. 559-570).
- Vagelas, I., Pembroke, B., & Gowen, S. R. (2011). Techniques for image analysis of movement of juveniles of root-knot nematodes encumbered with *Pasteuria penetrans* spores. *Biocontrol science and technology*, 21(2), 239-250. DOI:10.1080/09583157.2010.535895
- Leontopoulos, S. V. S. R. Gowen, E. Topalidou, I. K. Vagelas, & F. T. Gravanis. (2011). *Pseudomonas oryzihabitans* Suppresses Damage Caused by Root-knot Nematode *Meloidogyne javanica* on Tomato.. *Journal of Agricultural Science and Technology*, 5(4):502-507. DOI:10.17265/2161-6256/2011.04A.017
- Gravanis F.T, I.K. Vagelas, S.V. Leontopoulos, & D. Natsiopoulou. (2011). Nematicidal effects of *Azadirachta indica* seed extract on *Meloidogyne* spp. *Journal of Agricultural Science and Technology*, 1(1):136-141. DOI:10.17265/2161-6256/2011.05A.016
- Vagelas, I., Pembroke, B., & Gowen, S. R. (2011). Fitting discrete distributions to *Pasteuria penetrans* spore attachment data. *Pakistan Journal of Phytopathology*, 23(2), 88-91.
- Gougoulas, N., Vagelas, I., Vasilakoglou, I., Gravanis, F., Louka, A., Wogiatzi, E., & Chouliaras, N. (2010). Comparison of neem or oregano with thiram on organic matter decomposition of a sand loam soil amended with compost, and on soil biological activity. *Journal of the Science of Food and Agriculture*, 90(2), 286-290. DOI:10.1002/jsfa.3812
- Vagelas, I., Papachatzis, A., Kalorizou, H., & Wogiatzi, E. (2009). Biological control of Botrytis fruit rot (gray mold) on strawberry and red pepper fruits by olive oil mill wastewater. *Biotechnology & Biotechnological Equipment*, 23(4), 1489-1491. DOI:10.2478/V10133-009-0017-3

- Wogiatzi, E., Gougoulias, N., Papachatzis, A., Vagelas, I., & Chouliaras, N. (2009). Chemical composition and antimicrobial effects of Greek *Origanum* species essential oil. *Biotechnology & Biotechnological Equipment*, 23(3), 1322-1324. DOI:10.1080/13102818.2009.10817662
- Wogiatzi, E., Gougoulias, N., Papachatzis, A., Vagelas, I., & Chouliaras, N. (2009). Greek oregano essential oils production, phytotoxicity and antifungal activity. *Biotechnology & Biotechnological Equipment*, 23(1), 1150-1152. DOI:10.1080/13102818.2009.10817630
- Vagelas, I. (2009). First report of phoma stem canker (Blackleg) of oilseed rape caused by the species complex *Leptosphaeria maculans* and *L. biglobosa* in Greece. *Journal of Plant Pathology*, 91(4), S98-S98.
- Vagelas I., A. Papachatzis, & F. Gravanis. (2009). First report of root rot Caused by *Rosellinia necatrix* to almond nursery trees and fig orchard trees in Greece. *Journal of Plant Pathology*, 91(4), S97-S97.
- Vagelas, I., Kalorizou, H., Papachatzis, A., & Botu, M. (2009). Bioactivity of olive oil mill wastewater against plant pathogens and post-harvest diseases. *Biotechnology & Biotechnological Equipment*, 23(2), 1217-1219.
- Gougoulias N., Papachatzis A., Vagelas I., & N. Chouliaras:. (2008). Total phenols and antiradical activity (DPPHo) of red and white wines from different regions of Greece. *Annals of the University of Craiova Series: Biology, Horticulturae, Food produce processing technology, Environmental engineering*, (Vol. XIII (XLIX)):11-26.
- Chouliaras, N., Gravanis, F., Vasilakoglou, I., Gougoulias, N., Vagelas, I., Kapotis, T., & Wogiatzi, E. (2007). The effect of basil (*Ocimum basilicum* L.) on soil organic matter biodegradation and other soil chemical properties. *Journal of the Science of Food and Agriculture*, 87(13), 2416-2419. DOI:10.1002/jsfa.2907
- Vagelas, I. K., Pembroke, B., Gowen, S. R., & Davies, K. G. (2007). The control of root-knot nematodes (*Meloidogyne* spp.) by *Pseudomonas oryzihabitans* and its immunological detection on tomato roots. *Nematology*, 9(3), 363-370. DOI:10.1163/156854107781352061
- Vagelas, I. K., Kapsalis, A., Gravanis, F. T., & Gowen, S. R. (2004). Biological control of *Rhizoctonia solani* Damping-off with a bacterium symbiotically associated with *Steinernema abbasi*. *IOBC Bulletin*, 27, 285-289.
- Vagelas, I. K., Gravanis, F. T., & Gowen, S. R. (2004). Soilborne fungi and bacteria symbiotically associated with *Steinernema* spp. acting as biological agents against Fusarium wilt of tomato. *IOBC Bulletin*, 27, 279-284.
- Vagelas, I. K., Gravanis, F. T., & Gowen, S. R. (2004). Antifungal activity of bacterium symbiotically associated with *Steinernema abbasi* towards *Fusarium oxysporum*. *IOBC Bulletin*, 27, 271-277.
- Leontopoulos, S., Vagelas, I., Gravanis, F., & Gowen, S. R. (2004). The effect of certain bacteria and fungi on the biology of the root-knot nematode *Meloidogyne* spp. *IOBC Bulletin*, 27(1), 165-169.
- Andreoglou, F. I., Vagelas, I. K., Wood, M., Samaliev, H. Y., & Gowen, S. R. (2003). Influence of temperature on the motility of *Pseudomonas oryzihabitans* and control of *Globodera rostochiensis*. *Soil Biology and Biochemistry*, 35(8), 1095-1101. DOI:10.1016/S0038-0717(03)00157-3
- Vagelas, I. K., Andreoglou, F. I., Peters, J. C., Gravanis, F. T., & Gowen, S. R. (2000). Tests of the biological effect of the nematode symbiotic bacterium *Flavimonas oryzihabitans* (= *Pseudomonas oryzihabitans*)

Holmes et al. on *Fusarium oxysporum* f. sp. *lycopersici*. MITTEILUNGEN-BIOLOGISCHEN BUNDESANSTALT FUR LAND UND FORSTWIRTSCHAFT, 106-106.

Gravanis, F. T., Vagelas, I. C., & Buchelos, C. T. (1998). First record for *Sinoxylon sexdentatum* Oliv. (Coleoptera, Bostrychidae) on walnut trees in Thessalia, Greece. In *Annales de l'Institut phytopathologique Benaki* (Vol. 18, No. 2, pp. 135-137). Benakion phytopathologikon institouton.

Conference Proceedings

Ventzas, D, Panagiotidi, E, Balabekou I, Vagelas J, Zavrakas G,, & G Adam, 2013). *TRAFFIC MONITORING of an AGRICULTURAL TRAFFIC CROSS-ROAD by IMAGE and VIDEO PROCESSING TECHNIQUES* Πρόγραμμα 8ου ΕΘΝΙΚΟΥ ΣΥΝΕΔΡΙΟΥ ΓΕΩΡΓΙΚΗΣ ΜΗΧΑΝΙΚΗΣ «Η Γεωργική Μηχανική μοχλός ανάπτυξης του αγροτικού τομέα», Volos, GREECE.

Gougoulias N., A. Papachatzis, H. Kalorizou, I. Vagelas, E. Wogiatzi, & N. Chouliaras. (2013). *COMPARATIVE STUDIES ON BIODEGRADATION EFFECT OF NEEM (AZADIRACHTA INDICA A. JUSS) AND OF AN ORGANIC FERTILIZER ADDED IN SOIL*. Acta Horticulturae, ISHS : II Balkan Symposium on Fruit Growing. DOI:10.13140/RG.2.1.2990.2889/1

Papachatzis A., H. Kalorizou, T. Arvanitis, N. Gougoulias, I. Vagelas, & C. Kakogiannos. (2012). *Super high density (SHD) olive growing system in Greece: Quantity and quality assessment*. Proceedings of the 4th International Conference on Olive culture and Biotechnology of olive tree Products, October 31st – November 4th, 2011. Chania, Crete, pp. 211-214.

Vagelas I. (2011). *Techniques for image analysis of movement of juveniles of root-knot nematodes*. ISHS, Leuven, Belgium.

Papachatzis, A., Kalorizou, H., Vagelas, I., Sotiropoulos, T., & K. Tsipouridis. (2010). *Screening Quince Cultivars and Hybrids for Resistance to Fire Blight (Erwinia amylovora)*. Proceedings of the IIIrd International Symposium on Plant Genetic Resources, Lisbon, Portugal. DOI:10.17660/ActaHortic.2011.918.122

Vagelas I, Leontopoulos S, & K. Vainas. (2008). *A more effective way of teaching plant pathology..* 6th PanHellenic Conference of Hellenic Pedagogical Society.

Vagelas I, Leontopoulos S, & F. Gravanis. (2008). *Pasteuria penetrans as a commercial bio-nematicide*. The XVI International Plant Protection Congress.

Chouliaras N., Gravanis F., Vasilakoglou I., Anastassopoulos E., Gougoulias N., Vagelas I., Tsitsigiannis A., & E.: Wogiatzi. (2007). *Effects of oregano and basil residue incorporation in soil chemical and biological properties cultivated with corn and cotton..* 5th National Conference of Agricultural Engineering. DOI:10.13140/2.1.4258.3041

Chouliaras N., F. Gravanis, I. Vasilakoglou, N. Gougoulias, I. Vagelas, C. Drossinos, & E. Wogiatzi. (2007). *The biodegradation of oregano and basil foliar tissues in soil*. 2nd Panhellenic Symposium, Green Chemistry & Sustainable Development, University of Patras, Greece, Patras, GREECE. DOI:10.13140/2.1.3930.6240

Vagelas I. K, Leontopoulos S. V, & F. T Gravanis. (2007). *Pasteuria penetrans as a commercial bio-nematicide*. International plant protection congress 16th, International plant protection congress.

- Gravanis F.T., I.K. Vagelas, & D.G Natsiopoulos. (2007). *Verticillium nigrescens; a non-aggressive wilt pathogen as a promising biocontrol agent for Verticillium wilt of eggplant and cotton..* International plant protection congress 16th, International plant protection congress; 478-479.
- Gravanis F, Vagelas I, Natsiopoulos D.G, & S.V Leontopoulos. (2006). *Neem effect (azadirachtin) in immobilization of 2nd stage juveniles of Meloidogyne spp..* 13th Fytopathological Conference of Greek Phytopathological Society.
- Gravanis F.T, Vagelas I.K, & D.G Natsiopoulos. (2006). *Nematicidal effect of Neem on Meloidogyne spp..* 12th Mediterranean Phytopathological Congress, Rhodes, Greece.
- Gravanis F T, N A Chouliaras, S Xifilidou, N Gougoulias, I K Vagelas, & T A Gemtos. (2005). *Effect of Cotton-Seed Acid Delinting Product and Gin Trash on Soil Nitrification and the Possibility in Disseminating Cotton Pathogens..* Acta horticulturae, ISHS proceedings, Kerkyra, GREECE; DOI:10.13140/RG.2.1.3759.2803
- Gravanis F. T., N. Chouliaras, I. K. Vagelas, & N. Gougoulias. (2005). *The effect of oregano (Origanum vulgare) as an alternative soil-borne pathogen control agent, on soil organic matter biodegradation and other soil chemical properties* P2A-11. BCPC INTERNATIONAL CONGRESS CROP SCIENCE AND TECHNOLOGY, GLASCOW, UK.
- Leontopoulos S, Vagelas I, Gravanis F, & S. Gowen. (2004). *The effect of P. oryzihabitans on biology of M. javanica on tomato plants..* 12th PanHellenic Phytopathological Conference, Greek Phytopathological Society.
- Leontopoulos S.V, S.R. Gowen, I.K. Vagelas, & F.T. Gravanis. (2003). *Influence of Pseudomonas oryzihabitans on growth of tomato plants and development of root-knot nematode Meloidogyne javanica..* The BCPC International Congress-Crop Science and Technology.
- Vagelas I, Gravanis F,& S. Gowen. (2003). *Control of Fusarium oxysporum and Meloidogyne spp. with Pseudomonas oryzihabitans.* International congress, Crop science & technology; The BCPC International Congress.
- Vagelas I K, S R Gowen, M Wood, K G Davies, & F T Gravanis. (2002). *Antifungal activity of Pseudomonas oryzihabitans, a bacterium symbiotically associated with Steinernema abbasi, towards Fusarium oxysporum and Rhizoctonia solani..* BRIGHTON CROP PROTECTION CONFERENCE PESTS AND DISEASES;
- Vagelas I K, F I Andreoglou, J C Peters, S R Gowen, & F T Gravanis. (2000). *Testing the efficacy of microorganisms for antagonism to Fusarium oxysporum.* BRIGHTON CROP PROTECTION CONFERENCE PESTS AND DISEASES.