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Ioannis Vagelas, PhD, MPhil, MSc
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Professor (Associate)
Plant Pathology

Education

University of Reading, United Kingdom, Reading

MPhil, Mathematics and Statistics - Biological control.

Reading, United Kingdom

The University of Manchester, School of Biology

PGCert (Immunobiology), Immunobiology.

Manchester, United Kingdom

University of Reading, United Kingdom, Reading

PhD, Phytopathogenic fungi - Biological control. Pseudomonas.

Reading, United Kingdom

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 oryzae 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

2023 to present | Associate Professor (Department of Agriculture Crop Production and Rural Environment)

2019 to 2023 | 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

Skills Plant Pathology, Biological Control, Statistical Modeling, Nematology, Essential Oils, Biopesticides, Bacteria, Fungi

Scientific Memberships Mediterranean Phytopathological Union.

Hobbies 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

Pepper, I. L., Gerba, C. P., & Gentry, T. J. (2025). *Περιβαλλοντική μικροβιολογία* (Επιστημονική επιμέλεια της ελληνικής έκδοσης: Ιωάννης Βαγγέλας, Σωτήριος Βασιλειάδης, Γεώργιος Μιχαήλ, Μιχάλης

Ορφανουδάκης, Ευαγγελία Παπαδοπούλου, Αναστασία Ταμπακάκη, Εμμανουήλ Φλεμετάκης, Δημήτρης Χατζηνικολάου, Ιορδάνης Χατζηπαυλίδης). Εκδόσεις Παπαζήση. ISBN978-960-02-4548-6
<https://papazissi.gr/product/perivallontiki-mikroviologia/>

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

Book Chapters

Vagelas, I., & Michail, G. (2025). Nanotechnology in Crop Production: A Sustainable Approach. Sustainable Era of Nanomaterials, 85–110. https://doi.org/10.1007/978-981-96-4471-1_5

Vagelas, I., Michail, G., & Madesis, P. (2024). Pests and Diseases: A Global Threat to Plants. Microbial Biostimulants, 1–29. <https://doi.org/10.1201/9781003484837-1>

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

MDPI - Agronomy journal. Editor's Choice Article. The article "Raman Spectroscopy as a Tool for Early Identification of Tan Spot Disease and Assessment of Fungicide Response in Wheat" (<https://doi.org/10.3390/agronomy15081952>) was selected as an "Editor's Choice Article" for the second half of 2025."

Editorial Board – Editor in Chief – Special Issues

Editor in Chief: *Journal of Environmental Science, Sustainability, and Green Innovation* (JESSGI).
ISSN, 3067-8366.

Editor in Chief: *Current Research in Agricultural Sciences* (CRAS). ISSN, 2313-3716

Editorial Board

Agrochemicals (MDPI). Editorial Board for section 'Fungicides and Bactericides'.
https://www.mdpi.com/journal/agrochemicals/sectioneditors/fungicides_bactericides

Asian Journal of Plant Pathology. <https://ajpp.scione.com/cms/eboard.php>

Pakistan Journal of Biology.
<https://rjsaonline.com/journals/index.php/pjb/about/editorialTeam>

American Journal of Agriculture and Forestry. [Editorial Team:: American Journal of Agriculture and Forestry:: Science Publishing Group](#)

South-Western Journal of Horticulture, Biology and Environment.
<https://biozoojournals.ro/swjhbe/edit.html>

Special Issues

Applied Microbiology (MDPI). The Structure and Function of Cave Microbiota: A Resource for Discovering New Bioactive Compounds and Modeling Extraterrestrial Life.
https://www.mdpi.com/journal/applmicrobiol/special_issues/P5PD299UW8

Agronomy (MDPI). Early Detection of Diseases in Crops for Efficient Application of Pesticides.
https://www.mdpi.com/journal/agronomy/special_issues/60N6MI3MPL

Agronomy (MDPI). Morphological and Genetic Studies on Legume Plants.
https://www.mdpi.com/journal/agronomy/special_issues/X1UR7YUJJU

Agronomy (MDPI). Innovations in Agriculture for Sustainable Agro-Systems.
https://www.mdpi.com/journal/agronomy/special_issues/innovation_agriculture_system

Agronomy (MDPI). Biodiversity and Biocontrol in Horticulture: Methods and Statistical Analysis.
https://www.mdpi.com/journal/agronomy/special_issues/biodiversity_biocontrol_horticulture

Journal Publications

- Vagelas, I. (2026). Modeling Foliar Infection Dynamics in Wheat Using a SEIR Framework: Effects of Seed Treatment and Foliar Fungicide Under Mediterranean Conditions. *Agrochemicals*, 5(1), 10. <https://doi.org/10.3390/agrochemicals5010010>
- Pentsidis, S., Sakka, M., Rumbos, C., Vagelas, I., & Athanassiou, C. G. (2026). Insecticidal effect of diatomaceous earth on grains infected with fungi. *Crop Protection*, 202, 107501. <https://doi.org/10.1016/j.cropro.2025.107501>
- Vagelas, I. (2025). Raman Spectroscopy as a Tool for Early Identification of Tan Spot Disease and Assessment of Fungicide Response in Wheat. *Agronomy*, 15(8), 1952. <https://doi.org/10.3390/agronomy15081952>
- Vagelas, I.; Sourlas, A.; Cavalaris, C. (2025). SDHI fungicides: An important step in maintaining control of tan spot and Septoria leaf blotch diseases of wheat. *J. Environ. Sci. Sustain. Green Innov.*, 1, 1–8. <https://doi.org/10.63620/MKJESSGI.2025.1009>
- Quellhorst, H. E., Ponce, M. A., Holguin Rocha, A. F., Sakka, M. K., Tsintzou, G., Maille, J. M., Vagelas, I., Madesis, P., Athanassiou, C. G., Scully, E. D., Zhu, K. Y., & Morrison, W. R. (2025). The capacity of 3 stored product insect species to vector microbes after increasing dispersal periods. *Journal of Economic Entomology*, 118(4), 1981–1992. <https://doi.org/10.1093/jee/toaf123>
- Vagelas, I. (2025). Effective Strategies for Managing Wheat Diseases: Mapping Academic Literature Utilizing VOSviewer and Insights from Our 15 Years of Research. *Agrochemicals*, 4(1), 4. <https://doi.org/10.3390/agrochemicals4010004>
- Vagelas, I., Manthos, I., & Sotiropoulos, T. (2024). Applications of Raman Microscopy/Spectroscopy-Based Techniques to Plant Disease Diagnosis. *Applied Sciences*. DOI:10.3390/app14135926
- Manthos, I., Sotiropoulos, T., & Vagelas, I. (2024). Is the Artificial Pollination of Walnut Trees with Drones Able to Minimize the Presence of *Xanthomonas arboricola* pv. *juglandis*? A Review. *Applied Sciences*. DOI:10.3390/app14072732
- Vagelas, I. (2024). Math in plant pathology: is the early blight of tomato one more example of the golden ratio? *Plant Protection*. DOI:10.33804/pp.008.04.5435
- Mukhtar, T., Vagelas, I., & Javaid, A. (2023). Editorial: New trends in integrated plant disease management. *Frontiers in Agronomy*. DOI:10.3389/fagro.2022.1104122
- Vagelas, I., & Leontopoulos, S. (2023). A Bibliometric Analysis and a Citation Mapping Process for the Role of Soil Recycled Organic Matter and Microbe Interaction due to Climate Change Using Scopus Database. *AgriEngineering*. DOI:10.3390/agriengineering5010037
- Vagelas, I., & Leontopoulos, S. (2023). Differentiated Education on Teaching Notions of Plants' Pathology Assessment. *WSEAS TRANSACTIONS ON ADVANCES in ENGINEERING EDUCATION*. DOI:10.37394/232010.2023.20.17

- Vagelas, I., Reizopoulou, A., Exadactylos, A., Madesis, P., Karapetsi, L., & Michail, G. (2023). Stalactites Core Prospect as Environmental “Microbial Ark”: The Actinomycetota Diversity Paradigm, First Reported from a Greek Cave. *Polish Journal of Microbiology*, 72, 155 - 168. DOI:10.33073/pjm-2023-016
- Lykas, C., & Vagelas, I. (2023). Innovations in Agriculture for Sustainable Agro-Systems. *Agronomy*. DOI:10.3390/agronomy13092309
- Kakavas, K., Vagelas, I., Papachatzis, A., Tsiountsioura, V., & Flora, A. (2023). Identification of microbial infections in Greek geothermal greenhouses tomato cultivation. *E3S Web of Conferences*. DOI:10.1051/e3sconf/202343603001
- Vagelas, I., Cavalaris, C., Karapetsi, L., Koukidis, C., Servis, D., & Madesis, P. (2022). Protective Effects of Systiva® Seed Treatment Fungicide for the Control of Winter Wheat Foliar Diseases Caused at Early Stages Due to Climate Change. *Agronomy*. <https://doi.org/10.3390/agronomy12092000>
- Vagelas, I., & Leontopoulos, S. (2022). Modeling the Overdispersion of *Pasteuria penetrans* Endospores. *Parasitologia*, 2(3), 206-227. <https://doi.org/10.3390/parasitologia2030018> *Pathogens*
- Lampiri, E., Agraftioti, P., Vagelas, I., & Athanassiou, C.G. (2022). Insecticidal Effect of an Enhanced Attapulgit for the Control of Four Stored-Product Beetle Species. *Agronomy*, 12(7), 1495; <https://doi.org/10.3390/agronomy12071495>
- Vagelas, I. (2022). Analysis of Over-Dispersed Count Data: Application to Obligate Parasite *Pasteuria Penetrans*. *WSEAS TRANSACTIONS ON ENVIRONMENT AND DEVELOPMENT*, 18, 333-339. doi: 10.37394/232015.2022.18.33
- Michail, G., Karapetsi, L., Madesis, P., Reizopoulou, A., & Vagelas, I. (2021). Metataxonomic Analysis of Bacteria Entrapped in a Stalactite’s Core and Their Possible Environmental Origins. *Microorganisms*, 9(12), 2411. <https://doi.org/10.3390/microorganisms9122411>
- 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. <https://doi.org/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. (2021). Phytophthora Root and Crown Rot of Plum. *Modern Concepts & Developments in Agronomy*, 7(5). doi:10.31031/MCDA.2021.07.000671
- Vagelas I. (2021). A Simple Infection Model for Foliar Pathogens of Wheat. *Nov Res Sci*. 6(2). *Novel Research in Sciences (NRS)*, 6(2) 000635.2021. DOI: 10.31031/NRS.2021.06.000635
- Vagelas I. (2021). A Tool for Early Detection of Septoria Tritici Blotch of Wheat. *Nov Res Sci*. 7(1). *Novel Research in Sciences (NRS)*, 7(1) 000651.2021. DOI: 10.31031/NRS.2021.07.000651

- 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., & Gougoulas, 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., Gougoulas, 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
- Gougoulas, 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.
- Gougoulas 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., Gougoulas N., & L. Mihaly-Cozmuta. (2017). Chemical composition and heavy metals content in distilled products from plums obtained in the northwest of Romania. *Acta horticulturae* 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.
- Gougoulas, 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 Babes-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.
- Gougoulas 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.

- Gougoulas 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 annuum* L.) under environmental conditions of Thessaly region, Greece. *Carpathian Journal of Food Science and Technology*, 9(1):109-116.
- Gougoulas, 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., Gougoulas 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. Gougoulas. (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. Gougoulas, 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
- Gougoulas, 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 Babes-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).
- Gougoulas, 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., Gougoulas 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.
- Lykas, C. I. Vagelas, & N. Gougoulas. (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
- Gougoulas, 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
- Gougoulas, 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
- Gougoulas, 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*, 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.
- Gougoulas, N. A. Papachatzis, H. Kalorizou, I. Vagelas, L. Giurgulescu, & 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. Gougoulas, L. Giurgulescu, & 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.
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