Curriculum Vitae
Effimia M. Papatheodorou

Title: Professor

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Research Interests: Response of soil microbes to disturbances; microbial interactions in soil and their effects on crop productivity; relation among structure and function of the soil microbial communities; soil enzymes; soil nematodes; restoration of soils

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Administrative Experience & Reviewing Activities

2026-2027	Guest Editor of the journal *Microorganisms* (MDPI), Switzerland
2024-2028	Head of the Biology School, AUTh University, Greece
2024-2028	Member of the COST Action "Root Benefit" (Beneficial Root-associated microorganisms for sustainable agriculture)
2022-2024	Deputy President in the Biology School, AUTh University, Greece
2022, 2024	Guest Editor of the journal *Microorganisms* (MDPI), Switzerland
2021	Guest Editor of the journal *Agronomy* (MDPI), Switzerland
2021-2025	Member of the Collaborative International Research Network "Bug-Net"
2020-2021	Head of the Department of Ecology, Biology School, AUTh University, Greece
2020- 2024	Member of the Reviewer Board of the Applied Sciences Journal (MDPI), Switzerland
2019-2023	Member of the Gender and Equality Committee, Faculty of Science, AUTh University, Greece
2017-2020	Head of the Msc Program "Sustainable Agriculture and Business", International Hellenic University, Greece
2017-2021	Member of the Governing Board of the International Hellenic University, Greece
2017-2018	Head of the Department of Ecology, Biology School, AUTh University, Greece
2014-2018	Member of the management Board of the Hellenic Ecological Society
1995-2005	Member of the Editorial Board (Managing Editor) of the electronic peer review journal WEB ECOLOGY supported by the European Ecological Federation.

Research Projects

- 2022-2023 "Assessment of soil quality under different biotechnologically treated agricultural wastes". State Scholarships Foundation (IKY). Supervisor

- 2016-2017 “The effects of mixing of soil communities on soil functions: the role of inoculum”. State Scholarships Foundation- Coordinator
- 2014-2015 “Plant-microbes interactions under the influence of essential oils in the Mediterranean environment: searching for new applications”. Aristeia II (Member of the Scientific Team)
- 2013-2014 “The recovery of soil functionality after disturbance: the role of mycorrhizal symbiosis on N cycling” Research Committee AUTh–Coordinator
- 2012-2013 “The effects of irrigation and inoculation with arbuscular mycorrhizal fungi on soil quality and plant productivity” Research Committee AUTh–Coordinator
- 2005–2009 **“**The use of alternative methods to improve soil fertility” (PENED 2003) -Coordinator
- 2002-2005 “The development of an integrated system for assessing soil quality by using innovative technologies: its application in organic farming” (PENED 2001), General Secretary for Research and Technology (Member of the Scientific Team)
- 2000-2001 *“*Assessing soil quality by using new computer vision techniques” (PENED 1999), General Secretary for Research and Technology (Member of the Scientific Team)
- 1999-2001 “Virtual reality technology and multimedia in environmental training in Culture, Development and Tourism issues (TECHNIKORAMA)” General Secretary for Research and Technology (Member of the Scientific Team)
- 1998-1999 “Global change and biodiversity in soils (GLOBIS)” European Commission (Member of the scientific Team)
- 1997-1998 “Management, Restoration and Protection of Biological Reserve in Neolithik Lacustrine Settlement of Lake Kastoria”. LIFE (Member of the scientific Team)
- 1996-1998 “Diversity effects in grassland ecosystems of Europe (DEGREE)”. European Commission (Member of the Scientific Team)
- 1993 –1995 “Mediterranean desertification and Land Use II (MEDALUS II)”. European Commission (Member of the Scientific Team)
- 1992 “Mediterranean desertification and Land Use (MEDALUS)”. European Commission
- 1989-1990 “Model of nutrients recycling and energy transfer in Mediterranean grasslands”. European Commission
- 1989-1990 ‘’Model of nutrients recycling in grazed evergreen sclerophyllous formations”. General Secretary for Research and Technology

Publications

A. Dissertation

Papatheodorou E.M. (1996) The vegetation dynamics and the recycling of nutrients (N and P) in a degraded evergreen sclerophyllous formations at Mt.Hortiatis. AUTh Univ., Thessaloniki, Greece.

B. Journal Publications

1. Kempel A., Adamidis G. C., Anadón J. D., et al. (2025). "The Bug-Network (BugNet): A Global Experimental Network Testing the Effects of Invertebrate Herbivores and Fungal Pathogens on Plant Communities and Ecosystem Function in Open Ecosystems." ***Ecol. Evol.*** 15, 10: e72111. https://doi.org/10.1002/ece3.72111
2. Mourouzidou S., Mola M., Ceriani A., Papakostas S., Sena-Vélez M., **Papatheodorou E.M.,** Montagnoli A., Morabito D., Monokrousos N. (2025). Adding invasive alien plant-derived biochar and stinging nettle powder in Populus nigra phytoremediation of arsenic- and lead-contaminated Technosol alters microbial community assembly and network stability. ***Sci. Tot. Environ***., 1004, 180693, https://doi.org/10.1016/j.scitotenv.2025.180693
3. Kapagianni P., Mola M., Papakostas, S., Monokrousos N., Stamou G.P., **Papatheodorou E.M.** (2025). Legacy effects of invasive plant species on soil bacterial community assembly, β-diversity, and ecological interactions. ***Soil Ecol. Lett.*** **7**, 250321 (2025). https://doi.org/10.1007/s42832-025-0321-3
4. Stamou G.P., Papakostas S., Rojas C., **Papatheodorou E.M.** (2025). Short term effects of fire on assembly rules and β-diversity of soil bacteria in Mediterranean soils. Appl. Soil Ecol., 209, 105994. https://doi.org/10.1016/j.apsoil.2025.105994
5. Magkdi M., Stratilaki E., Mourouzidou S., Kougias P.G., Statiris E., **Papatheodorou E.M.**, Malamis S., Monokrousos N. (2025). Seasonal dynamics and functional diversity of soil nematode communities under treated wastewater irrigation in abandoned agricultural soils. ***J. Environ Manage***., 375, 124231. https://doi.org/10.1016/j.jenvman.2025.124231
6. Stagiopoulou R., Mellidou I., Krigas N., **Papatheodorou E.M.** (2025) Altitude's Impact on the Rhizosphere Prokaryotic Communities of the Cretan Endemic Plant *Petromarula pinnata* (L.) A.DC**.** ***Microorganisms***, 13, 74**.** https://doi.org/10.3390/ microorganisms13010074
7. Stamou G.P., Panagos P., **Papatheodorou E.M.** (2024) Connections between soil microbes, land use and European climate: Insights for management practices. ***J. Environ Manage***., 360, 121180 https://doi.org/10.1016/j.jenvman.2024.121180
8. Kekelis P., Argyropoulou M.D., Theofilidou A., **Papatheodorou E.M.,** Aschonitis V., Monokrousos N. (2023) The differentiations in the soil nematode community in an agricultural field after soil amendment using composted coffee waste in various concentrations. ***Agronomy***, 13, 2832. https://doi.org/10.3390/agronomy13112831
9. **Papatheodorou E.M.** (2023) Interventions change soil functions and the mechanisms controlling the structure of soil microbial communities. ***Microorganisms,*** 11(6):1502. https://doi.org/10.3390/microorganisms11061502
10. Karmezi M., Krigas N., **Papatheodorou E.M.**, Argyropoulou M.D. (2023) The Invasion of Alien Populations of *Solanum elaeagnifolium* in Two Mediterranean Habitats Modifies the Soil Communities in Different Ways. ***Plants*****,** 12(11):2193. https://doi.org/10.3390/plants12112193
11. Dimou M.D., Monokrousos N., Katapodis P., Diamantopoulou P.A., Argyropoulou M.D., **Papatheodorou E.M.** (2023) Use of Microbially Treated Olive Mill Wastewaters as Soil Organic Amendments: Their Short-Term Effects on the Soil Nematode Community. ***Diversity***, 15, 497. https://doi.org/10.3390/d15040497

12. **Papatheodorou E.M.,** Papakostas S., Stamou G.P. (2023) Fire and Rhizosphere Effects on Bacterial Co-Occurrence Patterns. ***Microorganisms*** 11, 790. https://doi.org/10.3390/ microorganisms11030790
13. Stamou G.P., **Papatheodorou E.M.** (2023) Deterministic versus stochastic control in β-diversity, abundance and co-occurrence patterns of a soil nematode assemblage living in a Mediterranean soil. ***Appl. Soil Ecol.*** 188, 104879. https://doi.org/10.1016/j.apsoil.2023.104879
14. Stamou G.P., Monokrousos N., Papapostolou A., **Papatheodorou E.M.** (2023) Recurring heavy rainfall resulting in degraded-upgraded phases in soil microbial networks that are reflected in soil functioning. ***SEL*** 5 (3) 220161. https://doi.org/10.1007/s42832-022-0161-3
15. Tziourrou P., **Papatheodorou E.M.** (2022) Microplastics: Is There Any Environmental Information about Insect Glue Trap Plastic (IGTP)? ***J. Agric. Food Chemistry*** 70(1) https://doi.org/10.1021/acs.jafc.2c07653
16. Kekelis P., **Papatheodorou E.M.,** Terpsidou E., Dimou M., Aschonitis V., Monokrousos, N. (2022) The Free-Living Nematodes as Indicators of the Soil Quality in Relation to the Clay Content, When Coffee Waste Is Applied. ***Agronomy*** 12(11), 2702; https://doi.org/10.3390/agronomy12112702
17. Dostos T., Kapagianni P.D., Monokrousos N., Stamou G.P., **Papatheodorou E.M.** (2022) Spatial heterogeneity of *Cladonia rangiformis* and *Erica* spp. induces variable effects on soil microbial communities which are most robust in bare-soil microhabitats. ***Web Ecol.,*** 22, 21–31, https://doi.org/10.5194/we-22-21-2022
18. **Papatheodorou E.M**., Monokrousos N (2022) Crop Yield and Soil Quality Are Partners in a Sustainable Agricultural System. ***Agronomy*** 12, 140. https://doi.org/10.3390/ agronomy12010140
19. Nikolaidou C., Monokrousos N., Kapagianni P.D., Orfanoudakis M., Dermitzoglou T., **Papatheodorou E.M.** (2021) The effect of *Rhizophagus irregularis*, *Bacillus subtilis* and water regime on the multifunctionality of the plant-soil system: The case of *Lactuca sativa,* ***Agronomy,*** 11, 2183**.** https://doi.org/10.3390/agronomy11112183
20. Christopoulou N., Chatzistathis T., **Papatheodorou E.M.,** Aschonitis V., Monokrousos N. (2021) The crucial role of soil organic matter in satisfying the phosphorus requirements of olive trees (*Olea european* L.) ***Agriculture*****,** 11, 111. https://doi.org/10.3390/agriculture 11020111
21. **Papatheodorou E.M.,** Monokrousos N., Angelina E., Stamou G.P. (2021) Robustness of rhizosphere microbial communities of *L. sativa* originated from soils of different legacy after inoculation with Plant Growth Promoting Rhizobacteria. ***Appl. Soil Ecol***. https://doi.org/10.1016/j.apsoil.2021.104028
22. Kapagianni P.D., Topalis I., Jones D-W., Menkissoglu-Spiroudi U., Stamou G.P., **Papatheodorou E.M.** (2020). Effects of plant invaders on rhizosphere microbial attributes depend on plant identity and growth stage. ***Soil Res.*** 10.1071/SR20138
23. **Papatheodorou E.M**., Papapostolou A., Monokrousos N., Jones D-W., Scullion J., Stamou G.P. (2020). Crust cover and prior soil moisture status affect the response of soil microbial community and function to extreme rain events in an arid area. ***Eur. J. Soil Biol.***, 101:103243. doi.org/10.1016/j.ejsobi.2020.103243.
24. Bizos G., **Papatheodorou E.M.**, Chatzistathis T., Ntalli N., Aschonitis V.G., Monokrousos N. (2020). The role of microbial inoculants on plant protection, growth stimulation, and crop productivity of the olive tree (*Olea europea* L.). ***Plants*** 9, 743. doi:10.3390/plants9060743

25. Schizas D., **Papatheodorou E.**, Vezagkou T., Stamou G. (2020). Unravelling the holistic nature of ecosystems: biology teachers' conceptions of ecosystem borders. ***Int. J. Sci. Educ.,*** doi:10.1080/09500693.2020.1781287
26. Stamou G.P., Argyropoulou M., Rodriguez-Polo I., Boutsis G., Kapagianni P., **Papatheodorou E.M.** (2020). A case study of nematode communities' dynamics along successional paths in the reclaimed landfill. ***Diversity*** 12, 274. doi:10.3390/d12070274
27. Angelina E., **Papatheodorou E.M.**, Dermitzoglou T., Monokrousos N. (2020). Effects of *Bacillus subtilis* and *Pseudomonas fluorescens* inoculation on attributes of the lettuce (*Lactuca sativa* L.) soil rhizosphere microbial community: The role of the management system. ***Agronomy*** 10, 1428. doi:10.3390/agronomy10091428
28. Schizas D., **Papatheodorou E.**, Stamou G.P. (2020). Unraveling the holistic nature of ecosystems: biology teachers' conceptions of methodological choices regarding the study of ecosystems. ***Envir. Educ. Res.***,doi.org/10.1080/13504622.2020.1819963
29. Schizas D., **Papatheodorou E.**, Stamou G. (2019) Unravelling the holistic nature of ecosystems: biology teachers' conceptions of ecosystem balance and self-regulation. ***Int J Sci Educ***. doi: 10.1080/09500693.2019.1690179
30. **Papatheodorou E.M.**, Hatzoudis, G., Kapagianni P., Tsiripidis, P., Stamou G.P. (2019) Social network analysis as a tool for the study of ecological succession route in reclaimed landfills. ***Res Plant Sci.***, doi:10.12691/plant-7-1-1
31. Ntalli N., Zioga D., Argyropoulou D.A., **Papatheodorou E.M.**, Menkissoglu-Spiroudi U., Monokrousos N. (2019) Anise, parley and rocket as nematicidal soil amendments and their impact on non-target soil organisms. ***Appl. Soil Ecol***., 143: 17-25. https://doi.org/10.1016/j.apsoil.2019.05.024
32. Kapagianni P.D., Papadopoulos D., Menkissoglu-Spiroudi U., Stamou G.P., **Papatheodorou E.M.** (2019). Soil functionality produced by soil mixing: The role of inoculum and substrate. ***Ecol. Res.,*** 1-12. doi: 10.1111/1440-1703.12026.
33. Konstantinou S., Monokrousos N., Kapagianni P., Menkissoglu-Spiroudi U., Gywnn-Jones D., Stamou G.P., **Papatheodorou E.M.** (2019). Instantaneous responses of microbial communities to stress in soils pretreated with *Mentha spicata* essential oil and/or inoculated with arbuscular mycorrhizal fungus. ***Ecol. Res.,*** 1-10, doi: 10.1111/1440-1703.12030.
34. Stamou G.P., Monokrousos N., Gwynn-Jones D., Whitworth D.E., **Papatheodorou E.M.** (2019). A Polyphasic Approach for Assessing Eco-System Connectivity Demonstrates that Perturbation Remodels Network Architecture in Soil Microcosms. ***Microb. Ecol.,*** doi.org/10.1007/s00248-019-01367-x.
35. Monokrousos N., **Papatheodorou E.M.,** Orfanoudakis M., Gwynn-Jones D., Scullion J., Stamou G.P. (2019) The effects of plant type, AMF inoculation and water regime on rhizosphere microbial communities. ***Eur. J. Soil Sci.*** doi: 10.1111/ejss.12882
36. Nantsios T., Monokrousos N., **Papatheodorou E.M.** (2019) Microbial Inoculation as a tool in livestock farming. ***Mod Concepts Develop Agron.,*** doi: 10.31031/MCDA.2019.05.000608
37. Monokrousos N., **Papatheodorou E.M.,** Stamou G.P. (2018) Dimension and structural traits of soil micropores in cultivations differing in the duration of organic management. ***Environ. Eng Manag J***, 17(7): 1555-1562.

38. Stamou G.P., Konstadinou S., Monokrousos N., Mastrogianni A., Orfanoudakis M., Hassiotis Ch., Menkissoglu-Spiroudi U., Vokou D., **Papatheodorou E.M.** (2017) The effects of arbuscular mycorrhizal fungi and essential oil on soil microbial community and N-related enzymes during the fungal early colonization phase. ***AIMS Microbiology***, 3(4): 938-959. doi: 10.3934/microbiol.2017.4.938.
39. Schizas D., **Papatheodorou E.M.,** Stamou G.P. (2017). Transforming "ecosystem" from a scientific concept into a teachable topic: philosophy and history of ecology informs science textbook analysis. ***Res. Sci. Educ***., DOI 10.1007/s11165-016-9568-0.
40. Stamou G.P., **Papatheodorou E.M.** (2016). Studying the complexity of the secondary succession process in the soil of restored open mine lignite areas; the role of chemical template. ***Appl. Soil Ecol.***, 103: 56-60. https://doi.org/10.1016/j.apsoil.2016.03.003.
41. Monokrousos N., Charalampidis G., Kapagianni P., Argyropoulou M.D., **Papatheodorou E.M.** (2016). Spatial and temporal variations of soil function in a Mediterranean serpentine ecosystem. ***Soil Res***. http://dx.doi.org/10.1071/SR15291.
42. Monokrousos N., Charalampidis G., Boutsis G., Sousanidou V., **Papatheodorou E.M.,** Argyropoulou M.D. (2014) -Plant-induced differentiation of soil variables and nematode community structure in a Mediterranean serpentine ecosystem. ***Soil Res***.,52(6): 593-603. doi.org/10.1071/SR14011.
43. Mastrogianni A., **Papatheodorou E.M.**, Monokrousos N., Menkissoglou-SpiroudiU., Stamou G.P. (2014) - Reclamation of lignite mine areas with *Triticum aestivum*: the dynamics of soil functions and microbial communities. ***Appl. Soil Ecol***., 80:51-59. https://doi.org/10.1016/j.apsoil.2014.03.009
44. **Papatheodorou E.M.**, Margariti Ch., Vokou D. (2014) - Effects of the two carvone enantiomers on soil enzymes involved in C, P and N cycles. ***J. Biol. Res.-Thessaloniki***, 21:7.doi:10.1186/2241-5793-21-7.
45. **Papatheodorou E.M.,** Kapagianni P., Goergila E-D., Monokrousos N., Stamou G.P. (2013)-Predictability in soil succession patterns under different agricultural land use practices: continual conventional cultivation versus transformation to organic cultivation or fallow land. ***Pedobiologia***, 56: 233-239
46. Vlachodimos K., **Papatheodorou E.M.,** Diamantopoulos J., Monokrousos N. (2013). Assessment of *Robinia pseudoacacia* cultivations as a restoration strategy for reclaimed mine spoil heaps. ***Environ. Monit. Assess*** 185(8): 6921-6932.
47. Kapagianni P., Monokrousos N., Stamou G.P., **Papatheodorou E.M.** (2013). The response of properties of soil cropped with shell beans and treated with disinfectant and fertilizer during the plant growing season. ***Biol. Fertil. Soils*** 49(2): 225-233. https://doi.org/10.1007/s00374-012-0712-3
48. Costa C., **Papatheodorou E.M.**, Monokrousos N., Stamou G.P. (2012). Spatial variability of soil organic C, inorganic N and extractable P in a Mediterranean grazed area. ***Land Degrad.*** Develop DOI: 10.1002/ldr.2188
49. **Papatheodorou E.M.,** Kordatos H., Kouseras T., Monokrousos N., Menkissoglu-Spiroudi U., Diamantopoulos I., Stamou G.P., Argyropoulou M.D. (2012). Differential responses of structural and functional aspects of soil microbes and nematodes to abiotic and biotic modifications of the soil environment. ***Appl. Soil Ecol.*** 61: 26-33. https://doi.org/10.1016/j.apsoil.2012.04.002
50. Monokrousos N., **Papatheodorou E.M.**, Stamou G.P. (2011). Under climatic change, soil microbail community and variables relating to N-cycle are modulated by changes in the upper limit temperature. ***Global Nest 13(4)*:** 385-394.

51. Efthimiadou E., **Papatheodorou E.M**., Monokrousos N. and G.P. Stamou (2010) - Changes of soil chemical, microbiological, and enzymatic variables in relation to management regime and the duration of organic farming in *Phaseolus vulgaris*. ***J. Biol. Res, -Thessaloniki***,. 14: 151-159.
52. Stamou G.P., Argyropoulou M.D., Tsiafouli M., Monokrousos N., Sgardelis S., **Papatheodorou E.M.** (2011). The study of secondary successional patterns in soil using network analysis: The case of conversion from conventional to organic farming. ***Pedobiologia*** 54: 253-259.
53. Kapagianni P.D., Boutsis G., Argyropoulou M.D., **Papatheodorou E.M**. and G.P. Stamou (2010) -The network of interactions among soil quality variables and nematodes: short-term responses to disturbances induced by chemical and organic disinfection. ***Appl. Soil Ecol.,*** 44: 67-74.
54. Monokrousos N., Bobori D., Tsiafouli M., Boutsis G., Chalkos D., Vlachodimos K., Kladas E., Blake K., Pyrovetsi M., **Papatheodorou E**., Sgardelis S., Symeonidis L., and Diamantopoulos I. (2009) - Evaluation of biological soil properties as indicators of flying ash deposition from lignite power plants in the Florina-Kozano basin. ***Fres. Environ. Bull.,***18:1289-1294
55. Yadav R.K.P., **Papatheodorou E.M**., Karamanoli K., Konstantinidou H-I.A. and Vokou D. (2008) - Abundance and diversity of the phyllosphere bacterial communities of Meditteranean perennial plants that differ in leaf chemistry. ***Chemoecology***, DOI 10.1007/s00049-008-0408-1.
56. **Papatheodorou E.M**., Efthimiadou E and G.P. Stamou (2008). – Functional diversity of soil bacteria as affected by management practices and phenological stage of *Phaseolus vulgaris.* ***Eur. J. Soil Biol.***, 40: 429-436. https://doi.org/10.1016/j.ejsobi.2008.06.002
57. Monokrousos N**., Papatheodorou E.M**. and G.P. Stamou (2008). - The response of soil biochemical variables to organic and conventional cultivation of *Asparagus* sp**. *Soil Biol. Biochem.*** 40: 198-206. https://doi.org/10.1016/j.soilbio.2007.08.001
58. Monokrousos N., **Papatheodorou E.M.**, Diamantopoulos J.D. and G.P. Stamou (2006). – Soil quality variables in organically and conventionally cultivated field sites. ***Soil Biol. Biochem.*** , 38(6): 1282-1289. https://doi.org/10.1016/j.soilbio.2005.09.023
59. Monokrousos N., **Papatheodorou E.M**., Diamantopoulos J.D. and G.P. Stamou (2004). - Temporal and spatial variability of soil chemical and biological variables in a Mediterranean shrubland. ***For. Ecol. Manage.***, 202: 83-91.
60. Maragos P., Sofou A., Stamou G.B., Tzouvaras V., **Papatheodorou E.** and G.P. Stamou (2004). – Image abalysis of soil micromorphology: feature extraction, segmentation, and quality inference. ***J. Appl. Signal Proc.***, 6: 1-11.
61. Stamou G.P., Stamou G.V., **Papatheodorou E.M.**, Argyropoulou M.D. and S.G Tzafestas (2004). – Population dynamics and life history tactics of arthropods from Mediterranean-type ecosystems. ***Oikos*****,** 104: 98-108. http://www.jstor.org/stable/3548320
62. Argyropoulou M.D., Karris G., **Papatheodorou E.M.** and G.P. Stamou (2005) - Epiedaphic Coleoptera in the Dadia Forest Reserve (Thrace, Greece): The effect of Human Activities on Community Organization Patterns. ***Belg. J. Zool.*****,** 135(2) 127-133.
63. Stamou G.P., **Papatheodorou E.M.**, Hovardas A. and M.D. Argyropoulou(2005) - Some structural and functional characteristics of a soil nematode community from a Mediterranean grassland. ***Belg. J. Zool.,*** 135(2) 253-259

64. **Papatheodorou E.M**., Stamou G.P. and A. Giannotaki (2004). - Response of soil chemical and biological variables to small- and large-scale changes in climatic factors**.** ***Pedobiologia***, 48, 329-338
65. **Papatheodorou E.M**., Argyropoulou M.D. and G.P. Stamou (2004). - The effects of large- and small-scale differences in soil temperature and moisture on bacterial functional diversity and the community of bacterivorous nematodes. ***Appl. Soil Ecol.*****,** 25, 37-49. https://doi.org/10.1016/S0929-1393(03)00100-8
66. **Papatheodorou E.M.**and G.P. Stamou, (2004). - Nutrient attributes of tissues in relation to grazing, in an evergreen sclerophyllous shrub (*Quercus coccifera* L.) dominating vegetation in Mediterranean-type ecosystems. ***J. Arid Environ.***, 59, 217-227.
67. Waite I.S., O'Donnell A.G., Harrison A., Davies J.T., Colvan S.R., Ekschmitt K., Dogan H., Wolters V., Bongers T., Bongers M., Bakonyi G.., Nagy P., **Papatheodorou E.M**., Stamou G.P. and S. Boström (2003). - Design and evaluation of nematode 18S rDNA primers for PCR and denaturing gradient gel electrophoresis (DGGE) of soil community DNA. ***Soil Biol. Biochem***, 35: 1165-1173. https://doi.org/10.1016/S0038-0717(03)00177-9
68. Klemens E., Bakonyi G., Bongers M., Bongers T., Boström S., Dogan H., Harrison A., Nagy P., O'Donnell A.G., **Papatheodorou E.M**., Sohlenius B., Stamou G.P. and V. Wolters (2001). - Nematode community structure as indicator of soil functioning in European grassland soils. ***Eur. J. Soil Biol.***, 37, 263-268. DOI: 10.1016/S1164-5563(01)01095-0
69. Stamou G.P., Karris G., Tsiafouli M.A., **Papatheodorou E.M**. and M. D. Argyropoulou (2000). - The effect of acclimation to constant temperatures, pollution of food by heavy metals and short-term fasting on the metabolic activity of *Glomeris balcanica* (Diplopoda: Glomeridae). ***Web Ecol.*** *1*: 11-19.
70. Korfiatis K., **Papatheodorou E.,** Paraskevopoulos S. and G.P. Stamou (1999). – An investigation of the effectiveness of computer simulation programs as tutorial tools for teaching population ecology at university**.** ***Int. J. Sci. Educ.,*** 21(12): 1269-1280.
71. **Papatheodorou E.M**., Pantis J.D and G.P. Stamou (1998). - The effect of grazing on phenology and biomass allocation in *Quercus coccifera.* ***Acta Oecol.***, 19(4): 339-347.
72. **Papatheodorou E.M**., Pantis J.D and G.P. Stamou (1993). - The effects of grazing on growth, spatial pattern and age structure of *Quercus coccifera.* ***Acta Oecol.***, 14(5): 589-602

C. Book chapters

Kapagianni P.D. and **Papatheodorou E.M.** (2010). The effect of disinfection on soil bacterial functionality in organically and conventionally cultivated plots. In: Grossman D.C and Barrios T.L. (eds), Organic farming and Peanut Crops. Nova Science Publishers, New York., pp. 137-151 (Invited article).

Papatheodorou E.M. (2008) Responses of soil microbial communities to climatic and human impacts in Mediterranean regions (Review). In: Liu T-X (ed), Soil Ecology Research Developments. Nova Science Publishers, New York. Pp. 63-87 (Invited article).

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