

CURRICULUM VITAE

of

Dr Dionisios Gasparatos

Associate Professor

Laboratory of Soil Science and Agricultural Chemistry

Agricultural University of Athens, Greece

ATHENS 2020

Personal Details

- Last Name: Gasparatos
- Name: Dionisios
- Date of Birth: 03/01/1974
- Place of Birth: Athens, Greece
- Nationality: Greek
- Marital Status: Single
- Scopus Author ID 8255558800
- Tel.: +30 2105294095
- E-mail: gasparatos@aua.gr
- Current Job: Associate Professor, Department of Natural Resources and Agricultural Engineering, School of Environment and Agricultural Engineering, Agricultural University of Athens.

Academic Training

- BSc in Agricultural Science, Agricultural University of Athens
- MSc in Applied Environmental Geology, National and Kapodistrian University of Athens
- PhD in Soil Science, Agricultural University of Athens

Grants – Scholarships

- National State Scholarships Foundation (IKY) for doctoral studies (1997)
- European Society for new Methods in Agricultural Research, for participation in the XXXI Annual Meeting in the Maich, Hania, Greece, September 8-12 (2004)

Teaching Experience:

2001-2013: Graduate courses in the Laboratory of Soil Science and Agricultural Chemistry of Agricultural University of Athens.

Soil Genesis and Taxonomy

Environmental Soil Science

Applied Soil Science

Soil Science & Fertilizers

Degraded Soil Management

Soil Fertility

2010-2011 Visiting Lecturer (407/80), Department of Natural Resources Management & Agricultural Engineering, Agricultural University of Athens

Soil Fertility

2014 – 2016 Lecturer, School of Agriculture, Aristotle University of Thessaloniki

Soil Science

Soil Chemistry

Soil Fertility

Chemical Analysis of Soils, Irrigation Waters and Plant Tissues

2016 – 2019 Assistant Professor, School of Agriculture, Aristotle University of Thessaloniki

Soil Science

Soil Chemistry

Soil Fertility

Soil Clay Mineralogy

Applied Soil Science

Chemical Analysis of Soils, Irrigation Waters and Plant Tissues

2019 – Associate Professor, Department of Natural Resources and Agricultural Engineering, Agricultural University of Athens

Soil Science

Applied Soil Science

Languages

- English
- French

Computer Skills

- Office Suite: MSOffice,
- StatGraphics for Windows,
- Origin

Member

- Hellenic Soil Science Society
- European Society of New Methods in Agricultural Science
- European Association of Chemistry and Environment

Coordination and Participation in Research Projects:

- 1) 1997: Study of negative effects in the plant production by the use of poor-quality irrigation water. **Funded:** General Secretariat for Research and Technology.
- 2) 1999: Quality evaluation of soils of Kilkis: Productive development and environmental protection. **Funded:** Local Authorities.
- 3) 1998-1999: Best utilization of agrochemicals: Consequences of the environment and the protection of the consumers. **Funded:** Ministry of National Education and religious affairs (Aegean University).
- 4) 2000: Study of the excavated clay material of the Psitalia work as subsoil appropriate from planting. **Funded:** Themeliodomi S.A.
- 5) 1999-2002: Restoration and upgrading of landfill cover soils with the selection of the appropriate vegetation and planting material. **Funded:** Ministry for the Environment, Physical Planning and Public Works (Aegean University).
- 6) 2004-2007: Nitrogen fertilization effects on the environment and evaluation of methods to control nitrate –N leaching during the winter period in soils of Western Greece using ¹⁵N labelled fertilizers. **Funded:** General Secretariat for Research and Technology.
- 7) 2006-2009: "Dynamics of soil phosphorus in natural and agricultural ecosystems: Effect on the environment". **Funded:** General Secretariat for Research and Technology.
- 8) 2007-2010: "Assessment of nutrients, heavy metals and hydrodynamic soil properties for the wise use of water and fertilizers and the growth of safe products in the Region of Eastern Macedonia and Thrace" **Funded:** Region of Eastern Macedonia and Thrace.
- 9) 2011 - 2015 Contribution of Mycorrhizae to the sustainability of marginal Mediterranean ecosystems – development of mycorrhizal inocula **Funded:** NSRF (2007 – 2013) THALIS 2011.
- 10) 2014 - 2015 Efficacy evaluation of various products under high soil salinity in lettuce (*Lactuca sativa* L.). **Funded:** Valagro. (Coordination)
- 11) 2014 - 2015 Distribution, fractionation and bioavailability of antimony in greek soils. A first approach. **Funded:** A.U.TH Research Committee. (Coordination)
- 12) 2014 – 2019 Laboratory analysis of soil, plant tissue, water irrigation and fertilizer. **Funded:** Private Sector (A.U.TH Research Committee)

- 13) 2016 – 2018 Effect of addition of stabilized sewage sludge on soil physical, chemical and biochemical properties and on yield, composition and quality of wheat and corn.
Funded: EYATH S.A.
- 14) 2017-2018 Efficacy evaluation of Azospir in olive groves. **Funded:** Humofert (Coordination)
- 15) 2018- 2019 LIFE GAIA Sense - Innovative Smart Farming services supporting Circular Economy in Agriculture Innovative. **Funded:** LIFE17 ENV/GR/000220

International Recognition

a. Editorial Board Member

- 1) International Journal of Plant and Soil Science (Chief Editor)
- 2) Frontiers in Environmental Science (Associate Editor)
- 3) Frontiers in Earth Science (Associate Editor)
- 4) Agricultural Sciences
- 5) International Journal of Geosciences
- 6) AIMS Environmental Science

b. Guest Editor

- 1) 2016 IOP Conf. Ser.: Earth Environ. Sci. 41 011001
- 2) Environments - Special Issue: Soil Contamination by Heavy Metals and Metalloids

c. Reviewer for international journals:

- 1) Soil Science Society of America Journal
- 2) Environmental Science: Processes & Impacts
- 3) Science of Total Environment
- 4) Journal of Environmental Management
- 5) Soil Research
- 6) Environmental Pollution
- 7) Archives of Agronomy and Soil Science
- 8) PLOS ONE
- 9) Data
- 10) Journal of Chemistry
- 11) PeerJ — the Journal of Life and Environmental Sciences
- 12) Waste Management
- 13) Catena
- 14) RSC Advances

- 15) Forests
- 16) International Journal of Environmental Research and Public Health
- 17) Physiology and Molecular Biology of Plants
- 18) Agronomy
- 19) Applied Sciences
- 20) Processes
- 21) Journal of Geochemical Exploration
- 22) Pedosphere
- 23) Environmental Science and Pollution Research
- 24) Earth Environmental Sciences
- 25) Soil Systems
- 26) Plants
- 27) Land
- 28) Environmental Geochemistry and Health
- 29) Acta Agriculturae Scandinavica, Section B — Soil & Plant Science
- 30) Journal of Soil Science and Plant Nutrition
- 31) Emirates Journal of Food and Agriculture
- 32) Journal of Integrative Agriculture
- 33) Environmental Processes
- 34) Springer Plus
- 35) Sustainability
- 36) Water
- 37) Frontiers in Plant Science
- 38) Agriculture
- 39) International Journal of Environmental Science and Technology
- 40) Agronomy for Sustainable Development
- 41) Water, Air and Soil Pollution
- 42) Scientia Horticulturae
- 43) Journal of Agricultural Science and Technology, USA
- 44) Air, Soil and Water Research
- 45) Central European Journal of Geosciences
- 46) Journal of Soil Science and Environmental Management
- 47) Arid Land Research and Management
- 48) Open Journal of Soil Science
- 49) African Journal of Biotechnology
- 50) Current World Environment Journal

Research Interests

- Pedology – Hydropedology
- Soil Degradation, Restoration and Management
- Soil Classification
- Environmental Chemistry and Geochemistry
- Soil Chemistry and Mineralogy
- Soil Fertility and Plant Nutrition
- Soil Amendments and Organic Farming
- Soil Contamination - Heavy Metals and Metalloids in Soils and Plants

CURRENT SCIENTIFIC RECORD

	(Google Scholar)	(Scopus)	(Web of Science)
Citations	882	491	430
h index	15	12	11

LIST OF PUBLICATIONS

THESIS

1. **Gasparatos D. 2007.** Genesis of Fe – Mn Concretions and Nodules in Alfisols of Thessaly. PhD Dissertation. Agricultural University of Athens. pp. 275.
2. **Gasparatos D. 2015.** Mineralogy and chemical composition of Fe-Mn concretions and nodules in Alfisols of Thessaly. MSc thesis. National and Kapodistrian University of Athens. Athens. p. 72.

BOOK CHAPTERS

3. **Gasparatos D. 2012.** Fe-Mn concretions and nodules to sequester heavy metals in soils. In: Environmental Chemistry for a Sustainable World, E. Lichtfouse, J. Schwarzbauer, D. Robert (eds), Springer, p. 443 - 474.
4. **Karamesouti M and D. Gasparatos. 2017.** Sustainable management of soil phosphorus in a changing world. In A Rakshit et al (eds). Adaptive Soil Management – From Theory to Practice. Springer-Verlag Springer Science+Business Media, pp 189-214.
5. **Gasparatos D. and N. Barbayiannis. 2018.** The Origin of Nickel in Soils. In C. Tsadilas et al (eds) Nickel in soils and plants. Boca Raton: CRC Press, pp 105-128.
6. **Ipsilantis I., M. Karamesouti and D. Gasparatos. 2018.** Beneficial micro-organisms: a key requirement for sustainable management of soil phosphorus. In E. Lichtfouse et al (eds). Sustainable Agriculture Reviews 32. Springer Nature, pp 53-75.

PUBLICATIONS IN INTERNATIONAL REFEREED JOURNALS

Science Citation Index (SCI) & Scopus

7. **Gasparatos D. and C. Haidouti. 2001.** A comparison of wet oxidation methods for determination of total phosphorus in soils. Journal of Plant Nutrition and Soil Science, Vol. 164, p. 435-439.
8. **Gasparatos D., C. Haidouti, D. Tarenidis. 2004.** Characterization of iron oxides in Fe-rich concretions from an imperfectly drained Greek soil: A study by selective-dissolution techniques and X-ray diffraction. Archives of Agronomy and Soil Science, Vol. 50, p. 485 – 493.

9. **Gasparatos D., D.Tarenidis, C. Haidouti and G. Oikonomou. 2005.** Microscopic structure of Fe-Mn nodules: environmental implications. *Environmental Chemistry Letters*, Vol. 2, p. 175 – 178.
10. **Gasparatos D., C. Haidouti, A. Haroulis, P. Tsaousidou. 2006.** Estimation of phosphorus status of soil Fe-enriched concretions with the acid ammonium oxalate method. *Communications in Soil Science and Plant Analysis*, Vol. 37, 2375-2387.
11. **Roussos P.A, D. Gasparatos, E. Tsantili and C. A. Pontikis. 2007** Mineral nutrition of jojoba explants in vitro under sodium chloride salinity. *Scientia Horticulturae*, Vol. 114, p. 59-66.
12. **Papafilippaki A., D. Gasparatos, C. Haidouti and G. Stavroulakis. 2007.** Total and bioavailable forms of Cu, Zn, Pb and Cr in agricultural soils: a study from the hydrological basin of Keritis, Chania, Greece. *Global Nest Journal*, Vol. 9, p. 201-206.
13. **Giannakopoulou F., C. Haidouti, Aik. Chronopoulou and D. Gasparatos. 2007.** Sorption behavior of cesium on various soils under different pH levels. *Journal of Hazardous Material*, Vol. 149, p. 553-556.
14. **Matsoukis A., D. Gasparatos, Chronopoulou-Sereli A. 2007.** Specific leaf area and leaf nitrogen concentration of Lantana in response to light regime and Triazole treatment. *Communications in Soil Science and Plant Analysis*, Vol. 37, 2323-2331.
15. **Tsaousidou P., E. Gartzos, A. Tsagalides, C. Haidouti and D. Gasparatos. 2008.** Iron oxides in four red Mediterranean soils on metarhyolite and metadolerite in Kilkis, Greece. *Archives of Agronomy and Soil Science*, Vol. 54, p. 227 – 235.
16. **Matsoukis A., A. Chronopoulou-Sereli and D. Gasparatos. 2009.** Influence of Triazoles on leaf mineral content of Lantana Camara subsp. Camara in relation to light regime. *Acta Horticulturae*, Vol. 813, p. 615-622.
17. **Roussos P.A. and D. Gasparatos. 2009.** Apple tree growth and overall fruit quality under organic and conventional orchard management. *Scientia Horticulturae*, Vol. 123, p. 247-252.
18. **Gasparatos D., P.A. Roussos, E. Christofilopoulou and C. Haidouti. 2011.** Comparative effects of organic and conventional apple orchard management on soil chemical properties and plant mineral content under Mediterranean climate conditions *Journal of Soil Science and Plant Nutrition*, Vol. 11, p. 105-117.
19. **Giannakopoulou F., D. Gasparatos, C. Haidouti and I. Massas 2012.** Sorption behavior of Cesium in two Greek soils: Effects of Cs initial concentration, clay mineralogy and particle size fraction. *Soil and Sediment Contamination* Vol. 21, p. 937-950.
20. **Petridis A., D. Gasparatos, C. Haidouti Ch. Paschalidis, P. Zamanidis 2013.** Effect of nitrogen and boron fertilization on Lettuce (*Lactuca sativa* L.) mineral nutrition in a

calcareous soil. Communications in Soil Science and Plant Analysis Vol 44, p. 733 - 740.

21. **Gasparatos D. 2013.** Sequestration of heavy metals from soil with Fe-Mn concretions and nodules. Environmental Chemistry Letters Vol. 11, p. 1-9.
22. **Roussos P., D. Gasparatos, C. Kyriakou, K. Tsihli, E. Tsantili, C. Haidouti. 2013.** Growth, Nutrient Status And Biochemical Changes In Sour Orange (*Citrus aurantium* L.) Plants Subjected To Sodium Chloride Stress. Communications in Soil Science and Plant Analysis Vol. 44, p. 805-816.
23. **Massas I., D. Kalivas, C. Ehaliotis, D. Gasparatos. 2013.** Total and available heavy metal concentrations in soils of the Thriassio plain (Greece) and assessment of soil pollution indexes. Environmental Monitoring and Assessment Vol. 185, p. 6751-6766.
24. **Dousis P., I. Anastopoulos, D. Gasparatos, C. Ehaliotis and I. Massas 2013.** Effect of Time and Glucose-C on the Fractionation of Zn and Cu in a Slightly Acid Soil. Communications in Soil Science and Plant Analysis Vol 44, p. 722–732.
25. **Matsoukis A., D. Gasparatos, and A. Chronopoulou-Sereli 2014.** Environmental conditions and drenched-applied paclobutrazol effects on lantana specific leaf area and N, P, K and Mg content. Chilean Journal of Agricultural Research Vol. 74, p. 117-122.
26. **Gasparatos D., G. Mavromati, P. Kotsovilis, I. Massas 2015.** Fractionation of heavy metals and evaluation of the environmental risk for the alkaline soils of the Thriassio plain: a residential, agricultural, and industrial area in Greece. Environmental Earth Sciences Vol. 74, p. 1099-1108.
27. **Matsoukis A., D. Gasparatos, and A. Chronopoulou-Sereli 2015.** Mepiquat chloride and shading effects on specific leaf area and K, P, Ca, Fe and Mn contents of Lantana. Emirates Journal of Food and Agriculture Vol. 27, p. 122-126.
28. **Matsoukis A., D. Gasparatos, and A. Chronopoulou-Sereli 2015.** Impact of shading and chlormequat chloride on Lantana specific leaf area and mineral content. The Journal of Animal & Plant Sciences Vol. 25, p. 1371-1376.
29. **Giannakopoulou F., C. Haidouti, D. Gasparatos, I. Massas, G. Tsiakatouras 2016.** Characterization of multi-walled carbon nanotubes and application for Ni²⁺ adsorption from aqueous solutions. Desalination and Water Treatment Vol. 57, p. 11623-11630.
30. **Chorianopoulou S.N., S. Nikologiannis, D. Gasparatos, D.L. Bouranis 2017.** Relationships between iron, sulfur, nitrogen and phosphorus in lawns grown on a calcareous soil irrigated by slightly saline water. Fresenius Environmental Bulletin Vol. 26, p. 1240-1246.
31. **Roussos P. A., D. Gasparatos, K. Kechrologou, P. Katsenos, P. Bouchagier 2017.** Impact of organic fertilization on soil properties, physiology and yield in two newly planted Greek olive (*Olea europaea* L.) cultivars under Mediterranean conditions. Scientia Horticulturae Vol. 220, p. 11-19.

32. **Chatzistathis T., A. Papaioannou, D. Gasparatos, A. Molassiotis. 2017.** From which soil metal fractions Fe, Mn, Zn and Cu are taken up by olive trees (*Olea europaea* L., cv. 'Chondrolia Chalkidikis') in organic groves? *Journal of Environmental Management* Vol. 203, p. 489-499.
33. **Massas I., D. Gasparatos, D. Ioannou, D. Kalivas. 2018.** Signs for secondary buildup of heavy metals in soils at the periphery of Athens International Airport, Greece. *Environmental Science and Pollution Research* Vol 25, 658-671.
34. **Kalyvas G, Gasparatos D & Massas I. 2018.** A critical assessment on arsenic partitioning in mine-affected soils by using two sequential extraction protocols, *Archives of Agronomy and Soil Science* Vol. 64, p. 1549-1563.
35. **Kalyvas G, Gasparatos D, Papassiopi N, Massas I. 2018** Topsoil pollution as ecological footprint of historical mining activities in Greece. *Land Degradation and Development* Vol. 29, p. 2025-2035.
36. **Sevastas S, Gasparatos D, Botsis D, Siarkos I, Diamantaras KI and Bilas G. 2018.** Predicting bulk density using pedotransfer functions for soils in the Upper Anthemountas basin, Greece. *Geoderma Regional* Vol 14, p. e00169.
37. **Kalyvas G, Tsitselis G, Gasparatos D, Massas I. 2018.** Efficacy of EDTA and olive mill wastewater to enhance As, Pb, and Zn phytoextraction by *Pteris vittata* L. from a soil heavily polluted by mining activities. *Sustainability* Vol. 10, p. 1962.
38. **Raptis S., Gasparatos D., Economou-Eliopoulos M., Petridis A. 2018.** Chromium uptake by lettuce as affected by the application of organic matter and Cr(VI)-irrigation water: Implications to the land use and water management. *Chemosphere* Vol. 210, p. 597-606.
39. **Bouranis D.L., Gasparatos D., Zechmann B., Bouranis L.D., Choriantopoulou S.N. 2019.** The Effect of Granular Commercial Fertilizers Containing Elemental Sulfur on Wheat Yield under Mediterranean Conditions. *Plants* Vol. 8, p. 2.
40. **Gasparatos D., Massas I. Godelitsas, A. 2019.** Fe-Mn concretions and nodules formation in redoximorphic soils and their role on soil phosphorus dynamics: Current knowledge and gaps. *Catena* Vol. 182, p. 104106.
41. **Karapouloutidou S., Gasparatos D. 2019** Effects of Biostimulant and Organic Amendment on Soil Properties and Nutrient Status of *Lactuca Sativa* in a Calcareous Saline-Sodic Soil. *Agriculture* Vol. 9, p. 164.
42. **Zafeiriou I., Gasparatos D., Kalyvas G., Ioannou, D., Massas I. 2019** Desorption of Arsenic from Calcareous Mine Affected Soils by Phosphate Fertilizers Application in Relation to Soil Properties and As Partitioning. *Soil Systems* Vol 3, 54.
43. **Roussos P.A., Dimou A., Assimakopoulou A., Gasparatos D., Kostelenos G., Bouchaghier P., Argyrokastritis I. 2019.** Spatial distribution of nutrients and morpho-physiological indicators of salinity tolerance among five olive cultivars - The use of

relative nutrient concentration as an efficient tolerance index. *Journal of Plant Nutrition* Vol. 42, p. 2269-2286.

44. **Kalyvas, G., Gasparatos, D., Liza, C.A., and Massas, I. 2020.** Single and combined effect of chelating, reductive agents, and agro-industrial by-product treatments on As, Pb, and Zn mobility in a mine-affected soil over time. *Environmental Science and Pollution Research* Vol 27, 5536–5546.
45. **Sewu D. D., Woo S. H., Anastopoulos I., Verheijen F., Lehmann J., Teixeira W.G., Biliadis F., Gasparatos D., Draper K., Kalderis D. 2020.** Glossary of terms used in biochar research. *Pure and Applied Chemistry* (submitted)

OTHER REFEREED JOURNALS

46. **Giannakopoulou F., D. Gasparatos, I. Massas and C. Haidouti. 2010.** Comperative interaction of Cs and K in the shoots of *Trifolium Pratense* plants. *Anadolu Journal of Agricultural Sciences* Vol. 25, p. 126-130
47. **Bastounopoulou M., D. Gasparatos, C. Haidouti and I. Massas. 2011.** Chemical Fractionation and Sorption of Phosphorus in Greek Inceptisols. *Journal of Agricultural Science and Technology* Vol. 1, p. 33 – 38.
48. **Matsoukis A., D. Gasparatos, and A. Chronopoulou-Sereli 2015.** Micronutrient content in relation to specific leaf area, light regime and drenched-applied paclobutrazol in *Lantana Camara* L. *Current Agriculture Research Journal* Vol. 3, p. 101-104.

PUBLICATIONS IN PROCEEDINGS OF INTERNATIONAL CONGRESSES AND SYMPOSIA

49. **Gasparatos D., D. Myloni, C. Haidouti and I. Massas. 2001.** Heavy metals distribution in soils from Eleonas area, Athens Greece in relation to land use. European Society for new Methods in Agricultural Research, Maich, Hania, Greece, September 8-12. Proceedings of the XXXI Annual Meeting. p. 46-51.
50. **Gasparatos D., A. Papafilippaki, C. Haidouti and I. Massas. 2001.** Evaluation of Pb, Cu and Zn bioavailability in contaminated soils from an urban - industrial area in Greece. European Society for new Methods in Agricultural Research, Maich, Hania, Greece, September 8-12. Proceedings of the XXXI Annual Meeting. p. 52-56.
51. **Gasparatos D., C. Haidouti, G. Antonakos, A. Haroulis, I. Massas. 2004.** Chemical characterization of soil phosphorus in a Greek Alfisol under continuous cultivation. European Society for new Methods in Agricultural Research, Novi Sad, Serbia and Montenegro, 29 August-2 September. Proceedings of the XXXIV Annual Meeting, p. 380-384.

- 52. Tsaousidou P., Tsagalides A., Gartzos E., Haidouti C., Gasparatos D., and Tarenides D. 2004.** The distribution of Fe, Al, Cu, Co, Cr, Ni, Zn in Alfisols developed on gabbros from Kilkis area. Bulletin of the Geological Society of Greece vol. XXXVI, Proceedings of the 10th International Congress, Thessaloniki, April 2004, 174-181.
- 53. Gasparatos D., Haidouti C., Tarenidis D., and Tsagalidis A. 2004.** Enrichment factors of heavy metals in Iron – Manganese concretions from imperfectly drained soils. Bulletin of the Geological Society of Greece vol. XXXVI, Proceedings of the 10th International Congress, Thessaloniki, April 2004, 158-163.
- 54. Gasparatos D., C. Haidouti, F. Adrinopoulos, O. Areta. 2005.** Chemical speciation and bioavailability of Cu, Zn and Pb in soils from the National Garden of Athens, Greece. Proceedings of the **9th International Conference on Environmental Science and Technology, Rhodes island, Greece 1-3 September**, Volume A, p. 438-444.
- 55. Papafilippaki A., D. Gasparatos, C. Haidouti and G. Stavroulakis 2006.** Total and bioavailable forms of Cu, Zn, Pb and Cr in agricultural soils: a study from the hydrological basin of Keritis, Chania, Greece. E-Proceedings. Protection and Restoration of the Environment VIII. Chania, Crete, Greece 3-7 July.
- 56. Giannakopoulou F., C. Haidouti, Aik. Chronopoulou and D. Gasparatos 2006.** Sorption behavior of cesium on various soils under different pH levels. E-Proceedings. Protection and Restoration of the Environment VIII. Chania, Crete, Greece 3-7 July.
- 57. Giannakopoulou F., C. Haidouti and D. Gasparatos. 2007.** Simultaneous effect of the concentration, clay mineralogy and particle size fractions on Cs sorption on two Greek soils. Proceedings of SECOTOX Conference and the International Conference on Environmental Management Engineering, Planning and Economics. Skiathos. Vol IV., 2653 – 2659.
- 58. Gasparatos D. and C. Haidouti, 2007.** Chromium accumulation in ferromanganese nodules and concretions from some Greek soils. Proceedings of SECOTOX Conference and the International Conference on Environmental Management Engineering, Planning and Economics. Skiathos. Vol IV., 2682.
- 59. Bastounopoulou M., D. Gasparatos and C. Haidouti 2007.** Degree of phosphorus saturation in Greek sandy cultivated soils. Proceedings of 10th International Conference on Environmental Science and Technology. Kos, A 136-143.
- 60. Bastounopoulou M., D. Gasparatos and C. Haidouti 2008.** Fertilization effect on phosphorus fractionation accumulation and release in Greek Alfisols. Book of Abstracts, Eurosoil 2008. 25- 29 August, Vienna, Austria p. 156-157.
- 61. Giannakopoulou F, D. Gasparatos.and C. Haidouti 2009.** The influence of soil – plant factors on the uptake of Cs by two plant species. Proceedings of the 2nd International CEMEPE & SECOTOX Conference. Mykonos. Vol I., 603 – 608.

62. **Massas I., D. Gasparatos, P. Kefalas, F. Giannakopoulou K. Spiriounis. 2010.** Aqua regia and DTPA metal fractions in top soils of Thriasian plain, Attica, Greece. In: Proceedings of International Soil Science Congress on "Management of Natural Resources to Sustain Soil Health and Quality, May 26 – 28, 2010. Samsun, Turkey, p. 765-771.
63. **Gasparatos D., P.A. Roussos, F. Giannakopoulou, I Massas., C Haidouti. 2010.** Effects of organic versus conventional management on soil and leaf micronutrients in Greek apple orchards . In: Proceedings of International Soil Science Congress on "Management of Natural Resources to Sustain Soil Health and Quality, May 26 – 28, 2010. Samsun, Turkey, p. 603-608.
64. **Giannakopoulou F., D. Gasparatos, I. Massas and C. Haidouti. 2011.** Soil properties and K plant status affect Cs uptake by Lolium perenne plants. Third International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2011) & SECOTOX Conference, Skiathos island, June 19 to 24, Greece p. 281-286.
65. **Roussos P.A., A. Dimou, A. Assimakopoulou, D. Gasparatos, G. Kostelenos. 2011.** Growth and nutrient status of five Greek olive (*Olea europaea* L.) varieties subjected to sodium chloride stress, Proceedings of International Conference for Olive Tree and Olive Products (OliveBioteq 2011) Chania, Crete, Greece, October 31st - November 4th, p. 367-372.
66. **Giannatou S., F. Giannakopoulou, D. Gasparatos, and I. Massas. 2012.** Potassium solution concentration effect on Cs sorption in an acid soil, Proceedings of Protection and Restoration of the Environment XI, p. 740-747.
67. **Bouranis D. L., S. N. Chorianpoulou, S. Nikologiannis, D. Gasparatos. 2014.** Performance of C4 versus C3 grasses in calcareous soil irrigated by slightly saline water in terms of the S:Fe index. Proceedings of 12th International Conference on Protection and Restoration of the Environment, Skiathos island, Greece.p. 653-658.
68. **Mertzimekis T., I. Ioannidis, A. Godelitsas, D Gasparatos, K. Stamoulis, and K. Ioannides. 2014.** Assessing Chernobyl's impact on Central Greece soils: a study overtaken a radiocesium halflife later. Geophysical Research Abstracts Vol. 16, EGU2014-7817.
69. **Giannakopoulou F., C. Haidouti, D. Gasparatos, G. Tsiakatouras 2015.** Removal of Pb⁺² and Ni⁺² by sorption onto multi-walled carbon nanotubes. Nanotechnology for Water Treatment, 5th Dissemination workshop of the Nano4water cluster, Barcelona, Spain; 01/2015.
70. **Mertzimekis T., I. Ioannidis, A. Godelitsas, D Gasparatos, K. Stamoulis, and K. Ioannides. 2015.** ¹³⁷Cs Retainment in Central Greece Soils: A Study Undertaken a

Radiocesium Half-life After Chernobyl. ENVIRA 2015. International Conference Environmental Radioactivity, Thessaloniki, Greece.

71. **Massas I., D. Ioannou, D. Kalivas and D. Gasparatos. 2016.** Distribution of heavy metals concentrations in soils around the International Athens Airport (Greece). An assessment on preliminary data. Bulletin of the Geological Society of Greece, vol. L, Proceedings of the 14th Intern. Conference, Thessaloniki, Greece, p. 2231-2240.
72. **Bouranis D.L., A. Venieraki, M. Margetis, S.N. Chorianopoulou, F. Maniou, B. Zechmann, D. Gasparatos, H. Mavrogiannis, D. Benardos, P. Katinakis 2017.** PGRP response to elemental sulfur coated fertilizers application in a calcareous soil under wheat cultivation. "Significance of Sulfur in High-Input Cropping Systems". 25th International Symposium of the Scientific Centre for Fertilizers. September 5-8, 2017, Hampshire Hotel - Plaza Groningen, Groningen, The Netherlands.
73. **Bouranis D.L., D. Argyros, G. Georgoulas, D. Petrakos, A. Varnas, D. Gasparatos, M. Margetis, F. Maniou, S.N. Chorianopoulou, H. Mavrogiannis, D. Benardos 2017.** The incorporation of elemental sulfur as fertilizer coating material increased yields of wheat crop. "Significance of Sulfur in High-Input Cropping Systems". 25th International Symposium of the Scientific Centre for Fertilizers. September 5-8, 2017, Hampshire Hotel - Plaza Groningen, Groningen, The Netherlands.

PUBLICATIONS IN PROCEEDINGS OF NATIONAL CONGRESSES

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