



PERSONAL INFORMATION

Maria K. Doula



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WORK EXPERINECE

1/10/2014-Today

Researcher Grade B

 Benaki Phytopathological Institute, 8 Stef. Delta, 14561, Kifissia, Greece. <http://www.bpi.gr>

23/12/2014-Today

Head of the Laboratory of Non Parasitic Diseases, Department of Phytopathology

 Benaki Phytopathological Institute, 8 Stef. Delta, 14561, Kifissia, Greece. <http://www.bpi.gr>

11/2014-Today

Quality Manager

 Benaki Phytopathological Institute, 8 Stef. Delta, 14561, Kifissia, Greece. <http://www.bpi.gr>

Quality Manager according to ISO 9001:2008 for managing co-financed projects with no technical content (e.g. supplies, services, etc.).

1/10/1997-30/9/2017

Chemist

Soil Science Institute of Athens-National Agricultural Research Foundation (NAGREF), 1 Sof. Venizelou str. 14123 Likovrisi, Greece. (NAGREF was merged with other Institutions into the Hellenic Agricultural Organization DEMETER-ELGO).

2007-2013

Quality Manager

Soil Science Institute of Athens – ELGO DEMETER, 1 Sof. Venizelou str. 14123 Likovrisi, Greece.

Quality Manager according to ISO 17025 for the accredited soil analysis laboratory of the Institute

2012-2013

Internal Inspector

Soil Science Institute of Athens – ELGO DEMETER, 1 Sof. Venizelou str. 14123 Likovrisi, Greece.

Internal inspector according to ISO 17025 for the accredited soil analysis laboratory of the Institute

1992-1997

Technical staff

Soil Science Institute of Athens – ELGO DEMETER, 1 Sof. Venizelou str. 14123 Likovrisi, Greece.

EDUCATION AND TRAINING

2003

Doctor of Philosophy (PhD)

PhD

National Kapodistrian University of Athens, School of Chemistry, Department of Industrial Chemistry.

Title «Heavy metals adsorption by inorganic polymers (zeolites)».

1997

Master of Science (M.Sc)

M.Sc

National Kapodistrian University of Athens, School of Chemistry, Department of Industrial Chemistry

Title « Adsorption of Copper and desorption of Ca, Mg, Mn, Zn from kaolinite ».

1993

Bachelor of Science

National Kapodistrian University of Athens, School of Chemistry

TEACHING EXPERIENCE

- 2014-Today **Collaborating Academic Staff at the Open University of Cyprus**
Faculty of Pure and Applied Science-Environmental Conservation and Management
- 2014-Today **Supervisory committee member**
Member of supervisory committees of PhD, MSc and graduate students
- 10/2014 **John Paul II University, Lublin Poland**
Lectures after invitation on the subject "Sustainable soil and waste management in the European agricultural and environmental policy" for PhD students.
- 2008-2009 **University of Thessaly**
"Soil Science-Laboratory practicals" as visiting Professor in University of Thessaly, Department of agriculture, crop production and agricultural environment.
- 2005-2008 **Technological Educational Foundation of Kalamata**
Department fo Crop production. Teaching of "Agricultural Chemistry" as visiting Professor
Department of Technology of Agricultural Products. Teaching "Inorganic Chemistry-Laboratory practicals" as visiting Professor

EVALUATION AND MONITORING EXPERT

- 2013-2015 **Monitoring**
General Secretariat for Research and Technology (GSRT). Project: ESPA, for funded projects monitoring
- 2013-Today **Evaluations**
 - GSRT: Certified Evaluator for submitted proposal
 - Greek Ministry of Education, Lifelong Learning and Religious (EYSED/ETAK). Project: Cooperation, ESPA 2007-2013, 2014-2020.
 - Region of West Greece in the framework of MANUMET II call
 - Romania (Romanian National Council for Research and Development-National Authority for Scientific Research, Ministry of Education, Research, Youth and Sport).
 - Kazakhstan (National Center of Science and Technology Evaluation, Ministry of Education Science).
 - European Union (HORIZON 2020-SC5-2014, HORIZON 2020-BBI JU call 2018, COST-OC2018-1 as independent external expert).
 - Bulgaria (Bulgarian National Science Fund-NSF).
 - Poland (National Science Center)

PERSONAL SKILLS

Mother tongue(s) Greek

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C2	C1	C1
TOIEC (C1 level)					
German	B1	B2	B1	B1	B1
Mittelstufe					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Research Interests

- Soil protection and remediation, soil contamination, movement and adsorption of heavy metals and nutrients, soil management
- Waste management, composting, waste reuse in agricultural sector
- Sustainable agriculture, Mediterranean agriculture and sustainability
- Development of software and web GIS-based apps for rural areas monitoring
- Stakeholders networking
- Development of regional/national policies for protecting the sustainability of the rural environment
- Desertification in Mediterranean, adaptation and mitigation measures
- EU policy: wastes, soil, water
- Soil/water/plant analysis, water-softening methods, analysis, water contamination and purification and softening using natural ion-exchangers
- Physicochemical properties of natural zeolites, clay minerals and Fe/Al oxides, synthesis/modification of silicate substrates to achieve high adsorption capacity.
- Adsorption/desorption of heavy metals and nutrients on different soil types; clay minerals; Fe/Al oxides; natural zeolites. Processes modelling
- Quality systems as being Quality Manager of Quality Manager of the Chemical Laboratory of SSIA according to ISO 17025.
- Instrumental analysis (AA-flame/furnace, ICP-MS, Ionic chromatography, FT-IR, UV/Vis, Flame photometer, TOC, BOD, COD).

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

ADDITIONAL INFORMATION

PROJECTS

As Coordinator and Scientific Responsible

1. "Innovative technologies for climate change mitigation by Mediterranean agricultural sector-ClimaMED" (LIFE17 CCM/GR/000087). Total budget 2.859.788€; Duration: 4,5 years (2018-2022); Participating countries : Greece, Cyprus. Italy, Spain.Start date:1st July 2018
2. "Towards farms with zero carbon-, waste- and water footprint. Roadmap for sustainable management" - BalkanROAD (INTERREG V-B, BALKAN-MEDITERRANEAN 2014-2020), Total budget 1.400.850€; Duration: 2 years (2017-2019). Participating countries : Greece, Cyprus, Bulgaria, Albania, FYROM.
3. "Strategies to improve and protect soil quality from the disposal of olive oil mills' wastes in the Mediterranean region-PROSODOL" (LIFE07 ENV/GR/000280). Total budget: 1.628.911€; Duration: 4 years (2009-2012). Web site: <http://www.prosodol.gr>
4. "Sustainable strategies for the improvement of seriously degraded agricultural areas. The example of Pistachia vera L.-AgroStrat" (LIFE11 ENV/GR/000951). Total budget: 1.026.509€; Duration: 5 years (2012-2017). Web site: <http://www.agrostrat.gr>

As Coordinator of the
research team

1. «*Actions to protect and promote the biodiversity of ecosystems and of areas of natural beauty of the Ionian Islands through “smart” systems of detection, recording, digital mapping and pressures management-BioIONIAN*» (Operational Regional Program of Ionian Islands region, funded by ERDF- MIS code 5009978). Total budget 875.458€; Duration 3,5 years (2018-2021); Participants: Benaki Phytopathological Insitute, Region of Ionian Islands, Ionian University, Foundation for Research & Technology-Hellas.

As Member of the research team

1. “*Best practices for agricultural waste tratment and reuse in the Mediterranean countries*”- Wastereuse (LIFE10 ENV/GR/594) , Duration 4 years (2011-2015) (<http://www.wastereuse.eu>).
2. “*Integrated Geoinformatic Technologies for the monitoring of soil pollution due to Olive Mill Waste disposal*” - GeoDiametris, Project THALIS (2012-2015) (http://www.ssia.gr/images/PEPRAGMENA_IEA_2012.pdf).
3. “*Development of specific agricultural practices with the use of recycled wastes suitable for intensively cultivated Mediterranean areas under degradation risk*” - ARIDWASTE. Project ARIMnet. (2012-2014). Web site: <http://www.aridwaste.gr>
4. “*OLIVE crop management practices focused on CLIMAt change mitigation and adaptation*” - OLIVE-CLIMA (LIFE12+ ENV/GR) Duration 5 years (2012-2017). Website: <http://www.oliveclima.eu>
5. “*Quality assessment and optimization of the compost produced from the co-composting of the organic fraction of municipal and green wastes in Chania, Crete*”. (funding: Inter-Municipal Solid Waste Management Corporation-DEDISA)
6. “*Treating waste for restoring land sustainability*”-TWIRLS. (LIFE04 ENV/UK/000820).
7. National projects and projects funded by the private sector

PUBLICATIONS

International Journals

1. **Doula, M.K.**, Zorpas, A.A., Inglezakis, V., Navvaro Pedreno, J., Bilalis, D.J. 2019. Optimization of heavy polluted soil from olive mill waste through the implementation of zeolites. *Environmental Engineering and Management Journal* (in press)
2. **Doula, M.K.**, Elaiopoulos, K., Kouloumbis, P., Zorpas, A.A. 2018. In situ application of clinoptilolite to improve compost quality produced from pistachio bio-wastes. *Fresenius Environmental Bulletin*, 27 (3), 1312-1318.
3. Komnitsas, K., **Doula, M.** 2017. Framework to improve sustainability of agriculture in small islands. The case of *Pistacia vera* L. cultivation in Aegina, Greece. *Environmental Forensics*, 18 (3), 214-225.
4. Komnitsas, K., **Doula, M.K.** 2017. Guidelines towards sustainable agriculture in small Mediterranean islands. *European Journal of Sustainable Development*, 6 (4), 185-194.
5. Bartzas, G., Zaharaki, D., **Doula, M.K.**, Komnitsas, K. 2017. Evaluation of groundwater vulnerability in a Greek island using GIS-based models. *Desalination and Water Treatment*, 67, 61-73.
6. **Doula, M.K.**, Sarris, A., Hliaoutakis, A., Kydonakis, A., Papadopoulos, N.S., Argyriou, L. 2016. Building a Strategy for soil protection at local and regional scale-the case of agricultural wastes landsprading. *Environmental Monitoring and Assessment*, 188 (3), 1-14.
7. Komnitsas, K., Modis, K. **Doula, M.**, Kavvadias, V., Sideri, D., Zaharaki, D. 2016. Geostatistical estimation of risk for soil and water in the vicinity of olive oil mill wastewater disposal sites. *Desalination and Water Treatment*, 57 (7), 2982-2995.
8. Kavvadias, V. **Doula M. K.**, Papadopoulou, M. Theocharopoulos, S., 2015. Long-term application of olive-mill wastewater affects soil chemical and microbial properties. *Soil Research*, 53(4), 461-473.
9. Kavvadias, V., **Doula, M.K.**, Theocharopoulos S. 2014. Long-term effects of olive oil mill wastes waters. *Environmental Forensics*, 15: 37-51.
10. **Doula, M.K.**, Kavvadias, V. Elaiopoulos, K. 2013. Proposed soil indicators for Olive Mill Waste (OMW) disposal areas. *Water, Air & Soil Pollution*, 224,1621.
11. Inglezakis, V.J., Moreno, J.L., **Doula, M.K.** 2012. Olive oil waste management EU legislation: Current situation and policy recommendations. *International Journal of Chemical and Environmental Engineering Systems*, 3(2), 65.
12. **Doula, M.K.**, Elaiopoulos, K., Kavvadias, V.A., Mavraganis, V. 2012. Use of Clinoptilolite to improve and protect soil quality from the disposal of Olive Oil Mills Wastes. *Journal of Hazardous Materials*, 207-208, 103.
13. Komnitsas, K., Zaharaki, D., **Doula, M.**, Kavvadias, V. 2011. Origin of recalcitrant heavy metals present in olive mill wastewater evaporation ponds and nearby agricultural soils. *Environmental Forensics*, 12, 319.
14. Kavvadias, V., **Doula, M.**, Komnitsas, K., Liakopoulou, N. 2010. Disposal of olive oil mill wastes in evaporation ponds: Effects on soil properties. *Journal of Hazardous Materials*, 182, 144.
15. Inglezakis V.J., **Doula, M.K.**, Aggelatou, V, Zorpas, A.A. 2010. Removal of iron and manganese from underground water by use of natural minerals in batch mode treatment. *Desalination and Water Treatment*, 18, 341.
16. **Doula, M.K.** 2009. Simultaneous removal of Cu, Mn and Zn from drinking water with the use of clinoptilolite and its Fe-modified form. *Water Research*, 43, 3659.
17. Dimirkou A., **Doula M.K.** 2008. Use of Clinoptilolite and of a Fe-overexchanged Clinoptilolite in Zn²⁺ and Mn²⁺ removal from drinking water. *Desalination*, 224, 280.
18. **Doula K. M.**, Dimirkou A. 2008. Use of an Iron-overexchanged Clinoptilolite for the removal of Cu²⁺ ions from drinking water. *Journal of Hazardous Materials* 151, 738.
19. **Doula K. M.**, Dimirkou A. 2008. An EPR study of Cu adsorption by Clinoptilolite from Cl⁻, NO₃⁻ and SO₄²⁻ solutions. *Journal of Porous Materials*,15, 457.

20. **Doula K. M.** 2007. Synthesis of a Clinoptilolite-Fe system with high Cu sorption capacity. *Chemosphere*, 67, 731.
21. **Doula K. M.** 2006. Removal of Mn^{2+} ions from drinking water by using Clinoptilolite and a Clinoptilolite-Fe oxide system. *Water Research*, 40, 3167.
22. **Doula K. M.**, Ioannou A., 2003. The effect of electrolyte anion on Cu adsorption-desorption by clinoptilolite, *Microporous and Mesoporous Materials*, 58/2,115. Dimirkou. A.,Ioannou A.,
23. **Doula M.**, 2002. Preparation, Characterization and Sorption properties for phosphates of Hematite, Bentonite and Bentonite-Hematite system, *Advances in Colloid and Interface Science*, 97, 37.
24. **Doula M.**, Ioannou A., Dimirkou A. 2002. Copper adsorption and Si, Al, Ca, Mg and Na release from Clinoptilolite» *Journal of Colloid and Interface Science*, 245, 237.
25. **Doula M.**, Ioannou A., Dimirkou A. 2000. Thermodynamics of copper adsorption-desorption by Ca-kaolinite, *Adsorption*, 6, 325.
26. **Doula M.**, Ioannou A., Dimirkou A. 2000. Application of four layer model to describe Hematite, Kaolinite and Kaolinite-Hematite system (k-h) surfaces, *Acta Agronomica Hungarica*, 48(4): 381.
27. **Doula M.**, Ioannou A., Dimirkou A. 1999. Influence of ionic strength and pH on Cu^{2+} adsorption and on Mg^{2+} , Ca^{2+} , Mn^{2+} , Zn^{2+} release by kaolinite, *Agrochimica* 43(5-6): 215.
28. **Doula M.**, Dimirkou A., Ioannou A. 1996. Potassium sorption by Ca-bentonite (Commonly used isotherms), *Communication in Soil Science & Plant Analysis*, 27(5&8) : 1107.
29. **Doula M.**, Ioannou A., Dimirkou A. 1996. Thermodynamics of phosphate adsorption-desorption by Alfisols , Entisols, Vertisols and Inceptisol, *Communication in Soil Science & Plant Analysis*, 27(5&8) : 1749.
30. **Doula M.**, Ioannou A., Dimirkou A. 1995. Thermodynamics of potassium exchange by Calcium-bentonite, *Communication in Soil Science & Plant Analysis* 26(9&10) : 1535.
31. Ioannou A., Dimirkou A., **Doula M.** 1994. Phosphate sorption by Ca-bentonite as described by commonly used isotherms, *Communication in Soil Science & Plant Analysis*, 25(13&14): 2299.
32. Mitsios J., Dimirkou A., Ioannou A., Paschalidis Ch., **Doula M.** 1994. The sorption isotherms of potassium, *Communication in Soil Science & Plant Analysis*, 25(9&10) : 1373.
33. Dimirkou A., Ioannou A., Mitsios J., **Doula M.**, Deligianni Ch. 1994. Kinetics of potassium adsorption by Entisols of Greece, *Communication in Soil Science & Plant Analysis*, 25(9&10) : 1417.
34. Ioannou A., Dimirkou A., **Doula M.**, Paschalidis Ch. 1994. Kinetics of potassium desorption by Alfisols of Greece, *Communication in Soil Science & Plant Analysis*, 25(9&10) : 1355.
35. Ioannou A., Dimirkou A., Mitsios J. **Doula M.** 1994. Kinetics of potassium adsorption by Alfisols of Greece, *Communication in Soil Science & Plant Analysis*, 25(9&10) : 1401.
36. **Doula M.**, Ioannou A., Dimirkou A., Mitsios J. 1994. Potassium sorption by Calcium-bentonite (Ca-b), *Communication in Soil Science & Plant Analysis*, 25(9&10) : 1387.
37. Dimirkou A., Mitsios J., Ioannou A., Paschalidis Ch., **Doula M.** 1993. Kinetic study of phosphorous desorption by Alfisols and Entisols, *Communication in Soil Science & Plant Analysis*, 24(9&10) : 989.

Greek Journals

1. Dimirkou A., **Doula M.**, Ioannou A. 1995. The use of two models to describe the adsorption of potassium by Alfisols, *Chimika Chronika, New Series*, 24:115.
2. Dimirkou A., Ioannou A., **Doula M.**, Deligianni Ch. 1994. Kinetics of potassium adsorption by Entisols (as described by two mathematical model), *Chimika Chronika, New Series*, 23:169.
3. **Doula M.**, Ioannou A., Dimirkou A. 1994. Potassium exchange from soil *Chimika Chronika, New Series*, 23:103.
4. Ioannou A., **Doula M.**, Dimirkou A., Papadopoulos P. 1993. Interfacial polarization in solids, *Chimika Chronika, New Series*, 22: 141.

Proceedings of International Conferences

1. **Doula, M.K.**, Kolovos, Ch., Papadopoulos, A. 2018. Irrigation water use in Mediterranean islands-Fresh water or wastewater reuse? 6th International Conference on Sustainable Solid Waste Management, 13-16 June, Naxos, Greece
2. Kosmidis, S., **Doula, M.K.**, Assimakopoulou, A., Kolovos, Ch., Troyanos, Y., Papadopoulos, A., Kostopoulos, P. 2018. Pepper cultivation on a substrate consisting of soil, natural zeolite and olive mill waste sludge-Changes in soil properties 6th International Conference on Sustainable Solid Waste Management, 13-16 June, Naxos, Greece
3. Pavlidis, G., Karasali, H., **Doula, M.K.**, Ploumistou, E., Malamis, D., Moustakas, K. 2018. Hazardous agricultural waste in Greece: Current status and future perspectives. 6th International Conference on Sustainable Solid Waste Management, 13-16 June, Naxos, Greece.
4. **Doula, M.K.**, Papadopoulos, A., Kolovos, Ch., Zorpas, A.A. 2017. Assessing impact of Olive Mill Waste disposal on soil at nine randomly selected disposal areas in Crete, Greece. 15th International Conference on Environmental Science and Technology-CEST, 31 August-2 September 2017, Rhodes, Greece.
https://cest.gnest.org/sites/default/files/presentation_file_list/cest2017_00940_oral_paper.pdf
5. Gounela, E., Kolovos, Ch., Papadopoulos, A., Doula, M.K., Theocharopoulos, S., Kalivas, D. 2017. Evaluation of land suitability for Olive Mill Waste distribution on soil. International Conference on Climate Changing Agriculture, 29 August-2 September 2017, Chania, Crete, Greece.
6. Zorpas, A.A., Neofytou, N., Loizia, P., **Doula, M.K.** 2017. The concept of circular economy in food waste management for the production of energy in UASB-R. International Conference on Information Society and Sustainable development ISSD, IVth Edition, April, 28-29 2017, Romania, Academica Brancusi, Publisher ISN 2248-0889, ISSN-L 2248-0889.
7. Zorpas, A.A., Inglezakis, V., Daddi, T., Jeguirim, M., Limousy, L., Navarro-Pedreno, J., **Doula, M.K.**, Loizia, P., Voukkali, I., Tofali, N., Zorpa, S. 2017. Differences between waste compositional analysis and management system from European and Mediterranean area as well as from Central Asia. 5th International Conference on Sustainable Solid Waste Management, 21-14 June 2017, Athens, Greece.
8. Komnitsas, K., **Doula, M.K.** 2017. Guidelines towards sustainable agriculture in small Mediterranean islands. 5th International Conference on Sustainable Development, 6-7 September, 2017, Rome, Italy.
9. **Doula, M.K.**, Sarris, A., Papadopoulos, N.S., Hliaoutakis, A., Kydonakis, A., Argyriou, L., Theocharopoulos, S., Kolovos, Ch. 2016. A software for soil quality conservation at organic waste disposal areas: the case of olive mill and pistachio wastes. EGU General Assembly, 17-22 April, 2016, Vienna. Vol. 18, EGU2016-5092-1.
10. **Doula, M.K.**, Papadopoulos, N.S., Hliaoutakis, A., Kydonakis, A., Argyriou, L., Sarris, A. 2016. Monitoring agricultural waste disposal by local and regional authorities. 4th International Conference on Sustainable Solid Waste Management, Limassol, Cyprus, 23–25 June 2016.

- (http://uest.ntua.gr/cyprus2016/proceedings/pdf/Doula_mgmt_monitoring_agri_waste_disposal.pdf).
11. Bartzas, G., Zaharaki, D., **Doula, M.K.**, Komnitsas, K. 2016. Evaluation of groundwater vulnerability in a Greek island using GIS-based models. 4th International Conference on Sustainable Solid Waste Management, Limassol, Cyprus, 23–25 June 2016.
 12. **Doula, M.K.**, Komnitsas, K., Zorpas, A., Kavvadias, V., Zaharaki, D. 2016. Migration of Cu, Mn, Fe and Zn at high soil depths due to the disposal of Olive Mill Waste. Proceedings, pp. 596-604. 13th International Conference on the protection and restoration of the environment, 3-8th July, 2016, Mykonos island, Greece.
 13. **Doula, M. K.**, Komnitsas, K., Zorpas, A.A., Kavvadias, V., Zaharaki, D. 2016. Soil degradation at high depths at olive mill waste disposal areas: The case of soil organic matter and polyphenols 5th International Conference on Industrial and Hazardous waste management, 27-30th September 2016 Chania, Crete, Greece.
 14. Zorpas, A.A. Demitriou, M., Voukkali, I., **Doula, M.K.** 2016. Social attitude and behavior in the framework of the disposal of household pharmacies. 5th International Conference on Industrial and Hazardous waste management, 27-30th September 2016 Chania, Crete, Greece.
 15. **Doula, M.K.** Elaiopoulos, K., Kouloumpis, P., Zorpas, A.A. 2015. Composting pistachio wastes: The use of clinoptilolite to improve compost quality. 5th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2015), 14 - 18 June 2015, Mykonos Island, Greece. (in Proceedings' CD).
 16. **Doula, M.K.**, Kouloumbis, P., Elaiopoulos, K. "Turning wastes into valuable materials: Valorization of pistachio wastes in agricultural sector". SYMBIOSIS International Conference 2014, Athens 19-21 June, Athens, Greece. (http://uest.ntua.gr/conference2014/pdf/doula_et_al.pdf)
 17. Soupios, P., Papadopoulos, N., Alexakis, D., Sarris, A., **Doula, M.K.**, Kavvadias, V., Geodiametris: An Integrated Geoinformatics Approach For Monitoring Land Pollution From The Disposal Of Olive Oil Mill Wastes, 2nd International Conference On Remote Sensing And Geoinformation 2014, 7-10 April 2014, Paphos, Cyprus
 18. **Doula M.K.**, Kavvadias, V., Theocharopoulos, S., Elaiopoulos, K. "Use of clinoptilolite for soil improvement at olive oil mills wastes disposal areas". Proceedings of "ATHENS 2012, International Conference on Sustainable Solid Waste Management", 28-29 June 2012, Athens, Greece.
 19. Inglezakis, V.J., Moreno, J.L., **Doula, M.K.** "Implications and complications arising from the EU legislation on the management of olive oil waste". Proceedings of "ATHENS 2012, International Conference on Sustainable Solid Waste Management", 28-29 June 2012, Athens, Greece.
 20. **Doula M.K.**, Theocharopoulos, S., Kavvadias, V., Lolos, P. "Disposal of olive oil mills wastes in evaporation ponds: a serious threat for soil quality". Proceedings of the 3rd International Conference on Hazardous and Industrial Waste Management, 12-14 September, 2012, Chania-Crete, Greece.
 21. Chliaoutakis, A., Kydonakis, A., **Doula, M. K.**, Kavvadias, V., Sarris, A., Theocharopoulos, S. "Proposed tool for soil monitoring for olive oil mills wastes disposal areas". Proceedings of the 3rd International Conference on Hazardous and Industrial Waste Management, 12-14 September, 2012, Chania-Crete, Greece.
 22. Moreno, J.L, **Doula, M.K.**, Sánchez-Moreno, M.A., García, C., Kavvadias, V., Theocharopoulos, S. "Implementation of bioremediation technology to olive oil mill waste disposal area". Proceedings of the 3rd International Conference on Hazardous and Industrial Waste Management, 12-14 September, 2012, Chania-Crete, Greece.
 23. Kavvadias, V., Papadopoulou, M., **Doula, M.K.**, Theocharopoulos, S. "Olive mill waste application on soil: effect on soil microbial activity and its relation to soil chemical properties". Proceedings of the 3rd International Conference on Hazardous and Industrial Waste Management, 12-14 September, 2012, Chania-Crete, Greece.

24. Chliaoutakis, A., Kydonakis, A., **Doula, M.K.**, Kavvadias, V., Sarris, A., Papadopoulos, N. "Geospatial tools for olive oil mills' wastes (OOMW) disposal areas management". Advances in Geoscience, EARSeL, 2012, 24-15 May 2012, Mykonos island, Greece.
25. **Doula, M.K.**, Theocharopoulos, S., Kavvadias, V., Kouloubis, P. "Proposed system for soil quality monitoring at olive mill waste disposal areas". Symposium on Olive Mill Wastes and Environmental Protection, 16-18 October, 2012, Chania, Crete, Greece, pp. 170-179.
26. **Doula, M.K.**, Kavvadias, V., Theocharopoulos, S., Sarris, A., Zorpas, A. "Proposals for the olive mills' owners and the local authorities". Symposium on Olive Mill Wastes and Environmental Protection, 16-18 October, 2012, Chania, Crete, Greece, pp. 337-347.
27. Kavvadias, V., **Doula, M.K.**, Theocharopoulos, S., Kouloubis, P. "Effects of OMW disposal on soil and on the environment-Results of PROSODOL project". Symposium on Olive Mill Wastes and Environmental Protection, 16-18 October, 2012, Chania, Crete, Greece, pp. 260-266.
28. Inglezakis, V., **Doula, M.K.**, Theocharopoulos, S., Kavvadias, V. "Review and discussion on the costs and economic feasibility of olive mill waste treatment methods". Symposium on Olive Mill Wastes and Environmental Protection, 16-18 October, 2012, Chania, Crete, Greece, pp. 202-211.
29. Kavvadias, V., **Doula, M.K.**, Theocharopoulos, S., Kouloubis, P. "Lettuce cultivation at an olive mill waste disposal area". Symposium on Olive Mill Wastes and Environmental Protection, 16-18 October, 2012, Chania, Crete, Greece, pp. 92-100.
30. Moreno, J.L., **Doula, M.K.**, Sanchez-Moreno, M.A., Garcia, C., Kavvadias, V., Theocharopoulos, S. "Bioremediation technology implementation at an olive mill waste disposal area". Symposium on Olive Mill Wastes and Environmental Protection, 16-18 October, 2012, Chania, Crete, Greece, pp.112-119.
31. Theocharopoulos, S., **Doula, M.K.**, Kavvadias, V., Kouloubis, P. "Indicators for monitoring soil quality at olive mill waste disposal areas". Symposium on Olive Mill Wastes and Environmental Protection, 16-18 October, 2012, Chania, Crete, Greece, pp.101-110.
32. Tinivella, F., Minuto, A., Medini, L., Bruzzone, D., **Doula, MK.**, Kavvadias, V. "Effects of OMWW spreading on soil properties and on plant growth of an experimental olive orchard". Symposium on Olive Mill Wastes and Environmental Protection, 16-18 October, 2012, Chania, Crete, Greece, pp. 73-81.
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- Chair of the Session "Agricultural Waste Management" of the 6th International Conference on Sustainable Solid Waste Management, 13-16 June 2018, Naxos, Greece.
- Chair of the Session "Agricultural Waste" of the 5th International Conference on Sustainable Solid Waste Management, 21-24 June 2017, Athens, Greece.
- Chair of the Session "Agricultural Waste/LIFE-Agrostrat" of the 4th International Conference on Sustainable Solid Waste Management, 23-25 June 2016, Limassol, Cyprus.
- Member of the Editorial Board of Information Processing in Agriculture - Elsevier, <http://www.elsevier.com/locate/inpa>
- Member of the Editorial Board of The Open Access Journal of Science and Technology, <http://www.oajost.com/editorialboard/d/2/>
- Member of the Editorial Board of The Open Hydrology Journal, <http://www.benthamscience.com/open/tohyd/EBM.htm>
- Member of the Steering Committee of AMIREG 2009: Advances in Resources & Hazardous Wastes Management towards Sustainable Development, 3rd International Conference, 7-9 September, Athens, Greece (<http://heliotos.conferences.gr/4434.html>).
- Member of the Steering Committee and Organization of Symposium on Olive Mill Wastes and Environmental Protection, 16-18 October, 2012, Chania, Crete, Greece (<http://www.prosodol.gr>).
- Member of the external Committee of the FP7 project "Farm-Level Indicators for New Topics in policy evaluation – FLINT".

EVALUATOR FOR SCIENTIFIC JOURNALS

Invited Reviewer for: Journal of Colloid and Interface Science; Separation Science and Technology; Water Research, Microporous and Mesoporous Materials; Journal of Hazardous Materials; Journal of Chemical Technology & Biotechnology; Water, Air, & Soil Pollution;

Industrial & Engineering Chemical Research; The Open Hydrology Journal, Australian Journal of Soil Research; Journal of Chemical Engineering and Materials Science, Clays and Clay Minerals; Applied Clay Science; Journal of Soil Science and Environmental Management; The Philippine Scientist; Compost Science & Utilization; International Research Journal of Pure and Applied Chemistry; Chemical Industry & Chemical Engineering Quarterly; International Journal of Agricultural Resources, Governance and Ecology; African Journal of Agricultural Research; Environment, Systems and Decisions, Adsorption Science and Technology, Journal of Environmental Management and others..

HONOURS AND AWARDS



June 2015

The project LIFE PROSODOL was awarded by the European Commission in Brussel as one of the Best LIFE projects in 2014.

CITATIONS

March 2019

873 (Scopus data)

h-index

12

OTHER ACTIVITIES

- Member of Greek Chemist Society
- Member of the Cretan Association of Petroupolis, Athens.
- Member of the Cretan Association of Agioi Anargyroi, Athens
- Member of Pontian Association of Petroupolis, Athens