

Dr Demetris Francis Lekkas

CONTACT INFO

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EDUCATION

2005 - 2006	Post Doc – School of Chemical Engineering, National Technical University of Athens, Environmental & Energy Management Research Unit. Project Title: “Development of a methodology for assessing water quality in a water supply system taking into account environmental costs due to pollution” Funded by Pythagoras II
2002 - 2004	Post Doc, Department of Civil and Environmental Engineering Imperial College London, UK Project Title “Improved Methods for National Spatial-Temporal rainfall and Evaporation Modelling for Broad Scale Modelling (BSM)” Funded by DEFRA
1998 -2002	Ph.D., DIC in Hydrology, Department of Civil and Environmental Engineering Imperial College London, UK.
1994 - 1998	B.Sc. in Environmental Studies, Department of Environmental Sciences, University of the Aegean, Greece

ACADEMIC & WORK EXPERIENCE:

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- 2016 – today Associate Professor in Analysis and Simulation of Environmental Systems, Department of Environment, University of Aegean, Greece
 - 2014 – 2016 Associate Professor in Statistical Methods of Simulation and Data Mining. Department of Statistics and Actuarial-Financial Mathematics. University of the Aegean, Samos Greece
 - 2006 – 2014 Assistant Professor in Statistical Methods of Simulation and Data Mining. Department of Statistics and Actuarial-Financial Mathematics. University of the Aegean, Samos Greece
 - 2005 – 2006 Lecturer, Department of Marine Sciences , University of the Aegean (on contract)
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WORK EXPERIENCE (non- academic) :

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- 5/2023 – today Member of research Network of European Reform University Alliance <https://erua-eui.eu/>
 - 2022 – total Special research partner of Circular Economy and Climate Change Institute of the European Public Law Organization <https://www1.eplo.int/cecci>
 - 2022 – total Member of the technical committee ELOT / TC2 of National Quality Infrastructure System “Environment and Circular Economy”
 - 2017 – 2020. Vice President of the Research and Innovation Council of the North Aegean Region
 - 2016 – 4/2019 Special DVG Partner - waste management expert
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- 2014 - 2022. Executive Board Member of the Research Unit of the University of the Aegean
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RESEARCH PROJECTS

- Partner in the project: CRESCENTO CiRcular Economy Skills enhanCEment NeTwOrk Funded by Interreg ADRION Launch date 1/2023, duration 9 months <https://crescento.adrioninterreg.eu/>
 - Partner in the project: COAST-EPS" Recycling and reuse of polymer foams in cement-based materials. Financed by the Ministry of Environment Green Fund - Start 1/2013, Duration 24 months.
 - Partner in the project: COMPAIR funded by from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101036563. <https://www.wecompair.eu/>
 - Partner in the project: Innovation and Entrepreneurship in the Domain of Digital Transformation, Circular Economy and Sustainable Development – PROMETHEUS funded by EIT's HEI Initiative (EU) Launch date 7/2021, duration 24 months.
 - Coordinator of the project: Centre of Sustainable and Circular Bioeconomy". co-funded by the European Regional Development Fund (ERDF) Launch date 10/2020, duration 30 months.
 - Coordinator of the project: Aegean AgroWaste Lab - Research Infrastructure for treatment and valorization of by-products and residues of agrowaste sector to produce alternative products and energy. Financed by the Operational Program "North Aegean 2014-2020", co-funded by the European Regional Development Fund (ERDF) Launch date 10/2018, duration 36 months
 - Partner in the project: Intelligent Research Infrastructure for Shipping, Supply Chain, Transport and Logistics (EN.I.R.I.S.S.T) MIS: 5027930 Financed by the programme "Strengthening National Research Infrastructures Of the Operational Program Competitiveness, Entrepreneurship and Entrepreneurship Innovation (2014-2020)" EPANEK - (the new NSRF) Launch date 3/2019, duration 36 months
 - Coordinator of the project: Analysis of packaging materials in Solid Wastes. Financed by HERRco Launch date 4/2018, duration 48 months
 - Partner in the project: Establishment of sustainable infrastructures for the valorization of organic by products and special wastes related to migrants and refugees' streams on the example of Lesbos and Chios Island Funded by BMUB (Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety) project "SusNisia" (FKZ 16EXI2228A) Launch date 2/2018, duration 16 months
 - Coordinator of the project: Geo-Ergon Paideia" «Start Up Farm: Skills for future eco-farmers». European programme Erasmus+, through the Greek State Scholarship Foundation. Launch date 9/2016, duration 24 months.
 - Coordinator of the project "Support and development of Waste Management practices for the Municipality of Paxos Island - Municipality of Paxos Island Launch date 12/2016, duration 12 months
 - Coordinator of the project "Practices for integrated Municipal Waste Management for the Island of Kythnos Launch date 11/2016, duration 12 months
 - Coordinator of the project "Evaluation and optimization of a mobile treatment unit for Municipal Solid - Municipality of Kalamata" financed by the Municipality of Kalamata, 2013 – 2016
 - Researcher for the project "ΘΑΑ-ΧΩΡ- Cross-border Cooperation for the development of Marine Spatial Planning" financed by INTERREG IVC Programme Greece-Cyprus 2007-2013.
 - Coordinator of the project "Reduction of operating cost of tourist corporation via sustainable management of water and energy" financed by the National Strategic Reference Framework (NSRF)
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Operational Programme “Education and Lifelong Learning 2007-2013. Launch date 3/2014, duration 5 months.

- Coordinator of the project “EarthBias 2014 - Summer School in Big Data Analysis in Earth Sciences” financed by the National Strategic Reference Framework (NSRF) - Operational Programme “Education and Lifelong Learning 2007-2013. MIS 355434. Start 1/2014, duration 8 months.
 - Scientific responsible for the project “Identification of water bodies as part of the Water Framework Directive management plan for the islands in the Aegean water district”, financed by the Ministry of Environment, Energy and Climate Change - Start 7/2013, Duration 10 months.
 - Researcher for the project “ISLA - Physical and Economic Impacts of Sea Level Changes on the Island Beaches of the Aegean Archipelago” financed by the Operational Program Education and Lifelong Learning of the National Strategic Reference Framework (NSRF) - Research Funding Program: THALES, Start 2012, duration 36 months
 - Researcher for the project “DROUGHT R-SPI - Fostering European Drought Research and Science-Policy Interfacing” School of Chemical Engineering, National Technical University of Athens, financed by the European Commission, 7th Framework Programme, Collaborative Project - Start 10/2011, Duration 36 months.
 - Researcher for the project “WASSERMed - Water Availability and Security in Southern Europe and the Mediterranean” School of Chemical Engineering, National Technical University of Athens, financed by the European Commission, 7th Framework Programme, Collaborative Project - start 1/2010, Duration 36 months.
 - Researcher for the project “SWITCH - Sustainable Water management Improves Tomorrow’s Cities’ Health ”, School of Chemical Engineering, National Technical University of Athens. Joint project between a UN organization and the European Commission. - Start 1/2006, duration 60 months.
 - Researcher for the project “AquaStress - Mitigation of Water Stress through new approaches to Integrating Management, Technical Economic and Institutional Instruments”, School of Chemical Engineering, National Technical University of Athens, financed by European Commission, DG Research, 6th Framework Programme, 511231, (2005-2008).
 - Researcher for the project “WaterStrategy Man - Developing Strategies for Regulating and Managing Water Resources and Demand in Water Deficient Regions” School of Chemical Engineering, National Technical University of Athens, financed by European Commission, DG Research, 5th Framework Programme, Water Key Action, EVK1-CT-2001-00098, (2001-2005).
 - Researcher for the project “Development of a methodology for assessing the change of water quality in a water system incorporating environmental cost” School of Chemical Engineering, National Technical University of Athens, financed by EPEAEK Programme - PYTHAGORAS II (2005-2006).
 - Research assistant (Post-Doc) “Improved Methods for National Spatial-Temporal rainfall and Evaporation Modelling for Broad Scale Modelling (BSM)” EWRE, Dept. of Civil and Environmental Engineering, Imperial College, London, UK financed by DEFRA UK (2002-2004).
 - Research assistant, Department of Environment, University of Aegean. Project Title “Alternative methods for water disinfection – EYDAP” (2002-2005).
 - Research assistant, Department of Environment, University of Aegean. Project Title: Determination of Environmental state in inland waters with respect to Priority Substances of Directives 76/464/EEC (1998-2000).
 - Research assistant, Department of Environment, University of the Aegean. Project Title: Monitoring Priority Substances of Directives 76/464/EEC and 2000/60/EC in Greek Water Bodies (1996-1998)
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PUBLICATIONS IN SCIENTIFIC JOURNALS

1. Pavlogeorgatos G., Karantanelli M., Lekkas D., (1999) Determination of Cadmium in the surface waters of the Northern Greece. *Toxicological and environmental chemistry*, vol. 69, 165 – 169
 2. Lekkas D.F., Imrie C.E., Lees M.J., (2001) Improved non-linear transfer function and neural network methods of flow routing for real-time forecasting. [*Journal of Hydroinformatics*, vol. 3\(3\), 153-164.](#)
 3. Koumenides K., Sakkas N., Lekkas D.F., Xylourgidis N., (2001) Using GAC to control THMs in drinking water. An experimental study at the Athens water works and a first economic evaluation of the method. [*GLOBAL NEST: the International Journal*, vol. 3\(3\), 189-197.](#)
 4. Golfinopoulos S.K., Nikolaou A.D., Kostopoulou M.N., Xilourgidis N.K., Vagi M.Ch., Lekkas D., (2003). Organochlorine pesticides in the surface waters of Northern Greece, [*Chemosphere*, vol. 50\(4\), 507 – 516.](#)
 5. Lekkas T., Kostopoulou M., Petsas A., Vagi M., Golfinopoulos S., Stasinakis A., Thomaidis N., Pavlogeorgatos G., Kotrikla A., Gatidou G., Xylourgidis N., Kolokythas G., Makri C., Babos D., Lekkas D.F. and Nikolaou A., (2003) Monitoring Priority Substances of Directives 76/464/EEC and 2000/60/EC in Greek Water Bodies. [*Jour. Environ. Monitoring* vol. 5\(4\), 593 - 597.](#)
 6. Lekkas D.F., Maxey R.T, Wheater H.S., (2004) Intercomparison of forecasting methods for flood warning in the river cam catchment. *GLOBAL NEST: the International Journal*, vol. 5(2), 87-95.
 7. Lekkas T., Kostopoulou M., Kolokythas G., Thomaidis N., Golfinopoulos S., Kotrikla A., Pavlogeorgatos G., Stasinakis A., Nikolaou A., Gatidou G., Petsas A., Vagi M., Babos D., Lekkas D., Makri M. (2004) Optimization of analytical methods for determination of trace concentrations of toxic pollutants in drinking and surface waters. *GLOBAL NEST: the International Journal*, vol. 5(3), 133-143.
 8. Lekkas T., Kolokythas G., Nikolaou A., Kotrikla A., Gatidou G., Thomaidis N., Golfinopoulos S., Makri C., Vagi M., Stasinakis A., Petsas A., Lekkas D.F., (2004) Evaluation of the pollution of the surface waters of Greece from the priority compounds of list II, 76/464/EEC Directive. *Environment International*, vol. 30, 995-1007..
 9. Lekkas D.F., Onof C., Lees M.J., Baltas E.A., (2004) Application of artificial neural networks for flood forecasting. *GLOBAL NEST: the International Journal*, vol. 6(3), 209-215
 10. Wheater H.S., Chandler R.E., Onof C.J., Isham V.S., Bellone E., Yang C., Lekkas D. F., Lourmas G., Segond M-L., (2005) Spatial-temporal rainfall modelling for flood risk estimation. *Stochastic and Environmental Research and Risk Assessment*. vol. 19(6), 403-416.
 11. Lekkas D.F., (2005) Identification of water quality changes in Athens water system – limitations and perspectives. *Transactions on Environment and Development*. vol. 1(1), 69-74
 12. Lekkas D.F., Onof C., (2006) Introducing the variation of advective time delay (ATD) to Transfer Function models. *Environmental Modelling and Software*, vol. 21, 1180 -1189
 13. Kanaki M, Nikolaou A., Makri C.A, Lekkas D.F., (2007) The occurrence of priority PAHs, nonylphenol and octylphenol in inland and coastal waters of Central Greece and the island of Lesbos, *Desalination*, vol. 210, 16-23
 14. Nikolaou A.D., Meric S., Lekkas D.F., Naddeo V., Belgiorno V., Groudev S., Tanik C., (2008) A Multi-parametric water quality monitoring approach according to the WFD application in Evros trans-boundary river basin: Priority pollutants. *Desalination*, vol. 226, 306-320.
 15. Lekkas D.F., (2008) Using complementary methods for improved flow forecasting. *Journal of Hydrological Sciences*, vol. 53(4), 696-706
 16. Lekkas D. F., Manoli E., Assimacopoulos D., (2008) Integrated urban water modelling using Aquacycle model. *Global NEST Journal* vol. 10(3), 310-319
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17. Lekkas, T. D., Babi, K. G., Koumenides, K. M., Makri, C. A., Lekkas, D. T., Nikolaou, A. D., (2009) Removal of specific DBPs by GAC in Galatsi WTP, Athens. *GLOBAL NEST Journal* , vol. 11(3), Sp. Iss. SI, 349-356
 18. Malmsten M., Lekkas D.F., (2010) An econometric cost analysis of urban water supply and waste water treatment processes. Application to a number of Swedish communities. *Desalination*, vol. 18, 327–340, (doi: 10.5004/dwt.2010.1961).
 19. N Kampragou E., Lekkas DF., Assimacopoulos D. (2010) Water demand management: Implementation principles and indicative success stories. *Water and Environment Journal*, vol. 25 (2011) 466–476 (doi: 10.1111/j.1747-6593.2010.00240.x).
 20. Karka P., Lekkas D.F., Grigoropoulou, E., Assimacopoulos, D., (2011). Conceptual modelling for quantifying wastewater production. A case study for Athens wastewater system. *Journal of Environmental Science and Engineering*, vol. 5, 1-4
 21. Anastasiadis S., Boglis A., Pechlivanidis I.G., Lekkas D.F., Baltas E., 2013, Application of GIS-based Clark’s Unit hydrograph and transfer function model to describe runoff response in a small catchment - Case study: Lykoremma River, Greece, *Fresenius Environmental Bulletin*, 22(7B), 2152-2158
 22. Pechlivanidis I.G., Anastasiadis S. and Lekkas D.F. (2015) Development and testing of the MWBMT toolbox to predict runoff response at the poorly gauged catchment of Mornos, Greece. *European Water Issue* 39, 3-18
 23. Ioannidis K., Karagrigoriou A., Lekkas DF., (2015). Analysis and Simulation of Rainfall Events. *Mathematics in Engineering, Science & Aerospace (MESA)*,6(4).
 24. Klontza E.E., Kampragkou E., Ververidis K. Papadopoulou M.P., Lekkas D.F. (2016) Evaluation of a water saving methodology for mid-sized tourist lodging units. *European Journal of Environmental Sciences* Vol. 6, No. 1, pp. 37-42 <https://doi.org/10.14712/23361964.2016.7>
 25. Golfinopoulos S.K, Nikolaou Ad, Thomaidis NS, Kotrikla AM, Vagi M, Petsas A, Lekkas DF and Lekkas TD. (2017) Determination of the priority substances regulated by 2000/60/EC and 2008/105/EC Directives in the surface waters supplying water treatment plants of Athens, Greece *JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH, PART A, Toxic/Hazardous Substance & Environmental Engineering* Volume 52, 2017 - Issue 4 doi.org/10.1080/10934529.2016.1262600
 26. Mamas, K., Lekkas, D.F., (2018) Rainfall Generation using Markov Chain Models; Case Study: Central Aegean Sea *Water* 2018, 10(7), 856; <https://doi.org/10.3390/w10070856>
 27. Mathioudakis, D., Papadopoulou, K., Lytras, G.M. Pavlopoulos, C., Niakas,S., Filippou, K., Melanitou, E. Lekkas, D.F., Lyberatos, G.,. A Detailed Characterization of Household Municipal Solid Waste. *Waste Biomass Valor* (2020). <https://doi.org/10.1007/s12649-020-01260-6>
 28. Lekkas DF., Panagiotakis I., Dermatas D., (2021) A digital circular bioeconomy – Opportunities and challenges for waste management in this new era. *Waste Management & Research*
 29. Mamas, K.; Lekkas, D.F. Characterization of Bias during Meteorological Drought Calculation in Time Series Out-of-Sample Validation. *Water* 2021, 13, 2531. <https://doi.org/10.3390/w13182531>
 30. Daskaloudis I. Lekkas D.F. (2021) Co-composting olive mill wastes with food residues and evaluation of the obtained compost maturity. *Journal of Environmental Engineering*. [https://doi.org/10.1061/\(ASCE\)EE.1943-7870.0001913](https://doi.org/10.1061/(ASCE)EE.1943-7870.0001913)
 31. Lekkas D.F., Kazamias F., Klontza EE (2002) Composting of the organic fraction of municipal solid waste as an alternative to the uncontrolled disposal: The case of Kalamata Municipality (Greece) *GLOBAL NEST JOURNAL* 24 (1), 119-128 <https://doi.org/10.30955/gnj.003486>
 32. Skouloudis, A., Malesios, C., Lekkas, DF. *et al.* Consumer Preferences in Greece for Bio-Based Products: a Short Communication. *Circ.Econ.Sust.* (2022). <https://doi.org/10.1007/s43615-022-00215-4>
 33. Tsaligopoulos, A.; Kyvelou, S.S.; Chiotinis, M.; Karapostoli, A.; Klontza, E.E.; Lekkas, D.F.; Matsinos, Y.G. The Sound of a Circular City: Towards a Circularity-Driven Quietness. *Int. J. Environ. Res. Public*
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34. Kalantzis D., Daskaloudis I., Lacoere T., Stasinakis AS., Lekkas, DF, De Vrieze J., Fountoulakis MS. (2023) Granular activated carbon stimulates biogas production in a pilot-scale anaerobic digester treating agro-industrial wastewater. *Bioresource Technology* <https://doi.org/10.1016/j.biortech.2023.128908>
 35. Papastefanakis N., Daliakopoulos I.N., Maragkaki A.E., Tsompanidis C., Zotos N., Lekkas D.F., Manios T., Fountoulakis M.S., (2023) Application of solar drying as a pre-treatment method for storing wet feedstocks prior to use in anaerobic digesters: Effect on methane production and digestate composition. *Fuel* <https://doi.org/10.1016/j.fuel.2023.128477>
 36. Xypolias P., Vakalis S., Daskaloudis I., Lekkas DF. (2023) Hydrothermal Carbonization of Dry Anaerobic Digestion Residues derived from Food and Agro Wastes in Lesvos Island. *Energies Special Issue "Advanced Technologies for Sustainable Bio-Fuels Production"* <https://www.preprints.org/manuscript/202304.0589/v1>
 37. Economou F., Papamichael I., Voukkali I., Loizia P., Klontza E., Lekkas DF., Naddeo V., Demetriou G., Navarro-Pedreño J., Hadjisavvas C., Zorpas (2023) Life cycle assessment of potato production in insular communities under subtropical climatic conditions. *Case Studies in Chemical and Environmental Engineering* <https://doi.org/10.1016/j.cscee.2023.100419>
 38. Skouloudis A., Malesios C., Lekkas DF., (2023) Notes from the field: Public views of bioplastics - findings from Greece. *Circular Economy and Sustainability* (accepted 26/7/2023)
 39. Liakos D., Altiparmaki G., Kalampokidis A., Lekkas DF., Vakalis S., (2023) The role of hydrochar on the production of biogas and volatile fatty acids during anaerobic digestion of cheese whey wastewater. *Sustainable Chemistry and Pharmacy* <https://doi.org/10.1016/j.scp.2023.101153>
 40. Athanasiadou V., Klontza E.E., Dimitriou – Christidis P., Fountoulakis MS, Lekkas DF., (2023) Evaluation of *Arthrospira* (*Spirulina*) *platensis* growth using cheese whey in the context of circular economy. *Sustainable Chemistry and Pharmacy* <https://doi.org/10.1016/j.scp.2023.101173>
 41. Voukkali I., Papamichael, I., Loizia, P., Lekkas, D.F., Rodríguez-Espinosa, T; NAVARRO PEDRENO, J; Zorpas, A (2023) Waste metrics in the framework of Circular Economy (2023) *Waste Management & Research: The Journal for a Sustainable Circular Economy (WM&R) Manuscript ID WMR-23-0129.R1*
 42. UNDER REVIEW A. Orfanou, S. Vakalis, C. Karelis, C Alexopoulos, Y Charalabidis, D F Lekkas (2023) Assessing the correlation between citizen science and carbon footprint: Introduction of COMPAIR's CO2 calculator. *Energies* manuscript number: energies-2517029
 43. UNDER REVIEW Tsaligopoulos A., Kyvelou SS., Karapostoli A., Bobolos N., Tsintzou T., Lekkas DF., Matsinos YG., (2023) Sound complexity on the land-sea interface: Studying the effects of noise on the waterfront of a Mediterranean metropolis (2023) *Noise Mapping*. manuscript number: NOISE-D-23-00012.
 44. UNDER REVIEW Development of a methodology for sampling and treatment of food waste and food residues in Kara-Tepe (Lesvos) Refugee Camp (2023) Kouvousi D., Xypolias P., Daskaloudis I., Papamichael I. Klontza EE., Zorpas A.A., Lekkas. F. D. (2023) in *Euro-Mediterranean Journal for Environmental Integration* EMJE-D-23-00119
 45. UNDER REVIEW Tiziano Zarra, Md. Nahid Pervez, Iliana Papamichael, Antonis A. Zorpas, Chi-Wang Li, Eleftheria Klontza, Demetris F. Lekkas, Vincenzo Belgiorno (2023) A Comparative Analysis of Ecological Status Assessment in River Water Quality under the European Water Framework Directive. *Case Studies in Chemical and Environmental Engineering*
 46. UNDER Preparation Kalampokidis A., Klontza E.E., Vakalis S., Naddeo V., Lekkas D.F. (2023) State of the art on the consistency of PHA composition from organic wastes
 47. UNDER Preparation Botzori M., Daskaloudis I., Wern B., Klontza E.E., Lekkas D.F. (2023) Valorisation of biomass waste towards the integration of an anaerobic digestion installation strengthening electricity generation in Lesvos Island
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PUBLICATIONS IN SCIENTIFIC CONFERENCES

1. Karantanelli M., Golfinopoulos S., Kotrikla A., Pavlogeorgatos G., Xilourgides N., Makri Ch., Kolokithas G., Lekkas D., (1997) Determination of the substances of the Catalog I of the 76/464 EEC Directive in the surface waters of the Northern Greece, 5th Conference on Environmental Science and Technology, Volume B', 346-356, Molyvos, Lesvos, Greece, (ISSN 1106-5516).
 2. Karadanelli M., Golfinopoulos S., Kotrikla A., Pavlogeorgatos G., Xilourgides N., Makri Ch., Kolokithas G., Lekkas D., Nikolaou A.D., (1998) Occurrence of micropollutants in the surface waters of Northern Greece (Catalogue I, 76/464/EEC Directive), 4th International Conference Protection and Restoration of the Environment, Vol. I, 153-160, Halkidiki, Makedonia Greece.
 3. Lekkas D., Plomaritis Th., Tsirtsis G., Karydis M., (1999) Antifouling toxicity on marine microalgae. 6th Conference on Environmental Science and Technology, Volume A, 473-479.
 4. Imrie C.E., Lekkas D.F., Lees M.J., (2000) Comparison of non-linear transfer function and artificial network for flow routing. 7th National Hydrology Symposium, British Hydrological Society p. 5.15-5.16, Newcastle upon Tyne, UK.
 5. Lekkas D.F., Baltas E., Mimikou M., Onof C., (2001) Preliminary study of a new non-linear Transfer Function model for real-time river flow forecasting and control. Proceedings of the Mahadevan Birth Centenary International Symposium on Challenges of Water Resources Management in the Developing Countries in the 21st Century. Andhra University, Visakhapatnam, India.
 6. Lekkas D.F., Baltas E., Mimikou M., Onof C., (2001) River flood forecasting with a Transfer Function model. 7th Int. Conference on Environmental Science and Technology, Vol. B p.518-523, Ermoupolis, Syros Greece.
 7. Lekkas T., Kostopoulou M., Kolokythas G., Petsas A., Vagi M., Stasinakis A., Thomaidis N., Gatidou G., Kotrikla A., Golfinopoulos S., Makri C., Lekkas D., Nikolaou A. (2003) Investigation of priority pollutants belonging to the new water framework directive in the surface waters of Greece. HELLECO 2003, Vol. A, p 232-239, Thessaloniki, Greece.
 8. Wheeler H.S., Isham V., Onof C.J., Chandler R.E., Bellonie E., Chi Y., Lekkas D.F., Segond M-L. (2003) Stochastic Modelling of Rainfall and Evaporation for Continuous Simulation Rainfall-Runoff Modelling. EGS - AGU - EUG Joint Assembly, Nice, France.
 9. Lekkas D.F., Onof C., (2005) Improved flow forecasting using Artificial Neural Networks. 9th int. conference on Environmental Science and Technology. vol. A, 877-884.
 10. Kanaki M., Nikolaou A., Makri C., Lekkas D.F., (2005) The occurrence of priority PAHs in inland and coastal waters in Athens and Mytilene, Greece. 9th int. conference on Environmental Science and Technology vol. A, 653-658
 11. Lekkas DF, Makri C., Golfinopoulos S., Nikolaou, AD, Babi,A, Koumenidis, K. (2005) Alternative disinfection methods. – Minimisation of toxic organic compounds: Application in Athens water supply 5o ΕΕΔΥΠ. in greek
 12. Minasidou K., Lekkas D.F., Nikolaou A., Golfinopoulos S., (2006) Water quality changes during storage - The case of Mornos reservoir International Conference Protection and Restoration of the Environment VIII, Chania, Crete, Greece.
 13. Nikolaou A.D., Meric S., Lekkas D.F., Naddeo V., Belgiorno V., Groudev S., Tanik A., (2006) Multi-parametric water quality monitoring approach according to the WFD in the Evros transboundary river basin: Priority pollutants. DIPCON, Istanbul, TURKEY.
 14. Karka P., Lekkas D.F., Grigoropoulou E., Assimacopoulos D., (2006) Stochastic modelling of organic material in urban waste water systems, Aqua 2006- **Water Science and Technology Integrated Management of Water Resources, 23 – 26, Greece.**
 15. Karka P., Manoli E., Lekkas D.F., Assimacopoulos D., (2007) A case study on integrated urban water modelling using Aquacycle. 10th int. Conference on Environmental Science and Technology, vol. A,
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16. Apostolaki S., Lekkas D.F., Assimacopoulos D., Elbadawy O., Abuzeid K. Batchelor C., Bury P.J.(2007) Integrating Visioning, RIDA and DSS activities in Alexandria. 2nd SWITCH Scientific Meeting, Tel-Aviv, Israel.
17. Lekkas T.D., Babi K.G., Koumenides K.M., Makri C.A., Lekkas D.F., Nikolaou A.D. (2008) REMOVAL OF SPECIFIC DBPs BY GAC IN GALATSI WTP, ATHENS In Protection and Restoration of the Environment IX, Corfu, Greece.
18. Lekkas D.F., Gkaras A., Boukas L. (2009) Spatial Representation of Rainfall Field Using Cellular Backbone Networks. Κοινό Συνέδριο - **11ο της Ελληνικής Υδροτεχνικής Ένωσης & 7ο της Ελληνικής Επιτροπής Διαχείρισης Υδατικών Πόρων.**
19. Boglis A, Evelpidou N., Vasilopoulos A., Lekkas D.F., Foudoulis I. (2009) Urban flood modeling in Karlovassi area – Samos Island. 11th int. Conference on Environmental Science and Technology Chania, Crete.
20. Lekkas D.F., Modarres R., (2009) Investigation of the watershed area- peak flow relationship using artificial neural networks. EGU General Assembly vol 11.
21. Lekkas D.F., Boukas L., (2009) High resolution rainfall estimation platform for urban flooding protection URBAN FLOOD CONFERENCE - PARIS.
22. Kakoura V.I., Boukas L., Lekkas D.F., Konofaos N., (2010) Examining the performance of an open space laser network link under various weather conditions, Pan-Hellenic Conference EUREKA, 2010, Patras, Greece.
23. Mammias K., Anastasiadis S., Lekkas D.F., (2011) Statistical Analysis of Precipitation Indexes and Investigation of Climate Change in Naxos Island, 12th int. Conference on Environmental Science and Technology, Rhodes, Greece.
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International Association of Hydrological Science
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Summer school [Big Data Analysis in Earth Sciences](#) (coordinator)