

## PERSONAL INFORMATION

### Daniel Mamais



📍 14 Thiseos Street, Filothei, Athens, Greece

☎ +302107722901 📠 + 306944324434

✉ [mamais@central.ntua.gr](mailto:mamais@central.ntua.gr)

🏢 [School of Civil Engineering \(ntua.gr\)](http://School of Civil Engineering (ntua.gr))

Sex Male | Date of birth 14/07/1962 | Nationality Greek

## RELEVANT FRAMEWORK EXPERTISE

Water Resources Management, Wastewater treatment and reuse, Circular Economy, Resources Recovery, Water quality monitoring, Priority pollutants and Emerging contaminants fate in wastewater treatment and in the aquatic environment, bioremediation

## PERSONAL STATEMENT

Professor Mamais is teaching ten graduate and postgraduate courses on Environmental Engineering topics at the School of Civil Engineering of N.T.U.A., has supervised more than 100 undergraduate and postgraduate theses, eight PhD thesis and has participated as invited lecturer in a large number of seminars and conferences. He has been engaged in 75 research projects dealing mainly with water, wastewater and sludge treatment, removal and fate of priority substances and emerging pollutants in wastewater treatment plants and in the aquatic environment, wastewater disposal and reuse and bioremediation. As scientific coordinator he has co-ordinated 21 projects with a total budget approximately 3.5 million euro (CHARM LIFE ENV/GR/000601, SPECHROM FP7-PEOPLE-2011-IIF, etc). In addition to teaching and research at NTUA he is involved in extensive administrative work, serving in several Faculty Committees, mainly related to the curriculum of the School of Civil Engineering. He has been the Chairman of the Department of Water Resources and Environmental Engineering for three terms, (2014 – 2017). He is currently the Director of the Sanitary Engineering Laboratory of NTUA. He is the author of over 170 publications in international journals and conference proceedings with peer review. According to Scopus his published work has received more than 3300 citations (h index = 30).

Since 1987 D. Mamais has been professionally involved in more than 50 projects related to the design of water and wastewater treatment plants in various cities, including the major cities Athens, Thessaloniki, Ioannina, Volos and Lamia, to the design of industrial wastewater treatment plants (Johnson & Johnson Hellas SA, Manos SA, etc).

Between 2010 - 2014, D. Mamais was appointed the Greek National representative (focal point) for the Working Group E on Priority Substances and river-basin-specific pollutants and for the Work Group Chemicals under the Water Framework Directive Common Implementation Strategy. During 2010 -12, he was a member of two Working Groups of the Special Secretary of Water of the Ministry of Environment, Energy and Climatic Change that were responsible for the review and amendment of the legislation regarding municipal wastewater discharge and reuse. He has acted as consultant to the Ministry of Environment and Public Works, the Ministry of Development, the Ministry of Environment, Energy and Climatic Change, the Water and Sewage Corporation of Athens (EYDAP) and various municipalities, on environmental issues. He is fluent in oral and written Greek and English.

## EDUCATION AND TRAINING

1987 – 1991

### PhD in Civil Engineering

**University of California, Berkeley, USA**

Department of Civil Engineering, Division of Environmental Engineering

Level in EQF: EQF level 8

1986 - 1987

### MSc in Civil and Environmental Engineering

**University of California, Berkeley, USA**

Department of Civil Engineering, Division of Environmental Engineering

Level in EQF: EQF level 7

1980 - 1986 **Degree in Civil Engineering (5 years programme)**  
**National Technical University of Athens (NTUA), Athens, Greece**  
 Department of Civil Engineering, Division of Water Resources  
 Level in EQF: EQF level 7

## PERSONAL SKILLS

Mother tongue(s) Greek

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

## WORK EXPERIENCE

2018 – present

### Director

Sanitary Engineering Laboratory, Department of Water Resources & Environmental Engineering, School of Civil Engineering, National Technical University of Athens (NTUA)  
 Co-ordinating teaching, research and administrative activities of the Sanitary Engineering Laboratory that focuses in the areas of management of water resources, drinking water treatment, wastewater and sludge treatment and reuse, nutrients and energy recovery from waste, quality of aquatic environment, fate of priority pollutants and emerging contaminants in wastewater treatment systems and in the aquatic environment, mathematical modelling of biological processes, bioremediation, ecosystems and environmental impact assessments.

2017 – present

### Professor

Sanitary Engineering Laboratory, Department of Water Resources & Environmental Engineering, School of Civil Engineering, National Technical University of Athens (NTUA)

- Research in the area of water resources, circular economy, resources recovery, wastewater and sludge treatment, removal and fate of priority substances and emerging pollutants in wastewater treatment plants and in the aquatic environment, wastewater disposal and reuse and bioremediation
- Coordinator and researcher in National and EU projects (FP7, H2020)
- Supervisor of Undergraduate and Postgraduate Diploma Thesis (School of Civil Engineering, Interdepartmental Program of Postgraduate Studies «Water Resources Science and Technology»)
- Supervisor of PhD Dissertations (School of Civil Engineering).
- Participation in various evaluation committees at national and international level.
- Consulting (participation in water, wastewater reuse projects and water legislation projects)

2012 – 2016

### Associate Professor

Sanitary Engineering Laboratory, Department of Water Resources & Environmental Engineering, School of Civil Engineering, National Technical University of Athens (NTUA)

- Research in the area of water resources, circular economy, resources recovery, wastewater and sludge treatment, removal and fate of priority substances and emerging pollutants in wastewater treatment plants and in the aquatic environment, wastewater disposal and reuse and bioremediation
- Coordinator and researcher in National and EU projects (FP7, H2020)
- Supervisor of Undergraduate and Postgraduate Diploma Thesis (School of Civil Engineering, Interdepartmental Program of Postgraduate Studies «Water Resources Science and Technology»)
- Supervisor of PhD Dissertations (School of Civil Engineering).
- Participation in various evaluation committees at national and international level.
- Consulting (participation in water, wastewater reuse projects and water legislation projects)

2006 – 2012

### Assistant Professor

Sanitary Engineering Laboratory, Department of Water Resources & Environmental Engineering, School of Civil Engineering, National Technical University of Athens (NTUA)

- Research in the area of water resources, circular economy, resources recovery, wastewater and sludge treatment, removal and fate of priority substances and emerging pollutants in wastewater treatment plants and in the aquatic environment, wastewater disposal and reuse and bioremediation
- Coordinator and researcher in National and EU projects (FP7, H2020)
- Supervisor of Undergraduate and Postgraduate Diploma Thesis (School of Civil Engineering, Interdepartmental Program of Postgraduate Studies «Water Resources Science and Technology»)
- Supervisor of PhD Dissertations (School of Civil Engineering).
- Participation in various evaluation committees at national and international level.
- Consulting (participation in water, wastewater reuse projects and water legislation projects)

#### 2001 – 2006 **Lecturer**

Sanitary Engineering Laboratory, Department of Water Resources & Environmental Engineering, School of Civil Engineering, National Technical University of Athens (NTUA)

- Research in the area of water resources, wastewater and sludge treatment, removal and fate of priority substances and emerging pollutants in wastewater treatment plants and in the aquatic environment, wastewater disposal and reuse and bioremediation
- Coordinator and researcher in National and EU projects (FP7, H2020)
- Supervisor of Undergraduate and Postgraduate Diploma Thesis (School of Civil Engineering, Interdepartmental Program of Postgraduate Studies «Water Resources Science and Technology»)
- Supervisor of PhD Dissertations (School of Civil Engineering).
- Participation in various evaluation committees at national and international level.
- Consulting (participation in water, wastewater reuse projects and water legislation projects)

#### 1991- 2016 **Independent Consultant in Water Resources and Environmental Management**

Water resources management and environmental studies with emphasis on wastewater treatment works and sludge disposal, drinking water protection, landfill, management studies related to the treatment and disposal of waste, environmental impact assessment studies and specific environmental studies on the quality of recipients.

**CARDIMED: Climate Adaptation and Resilience Demonstrated In the MEDiterranean region, (HORIZON-MISS-2022-CLIMA, 2023-2028).**

**AquaLoops4Med: Mediterranean network for sustainable and circular water management in the agrifood sector (HORIZON, 2024 – 2026).**

**AWARD: Alternative Water Resources and Deliberation process to renew water supply strategic planning (HORIZON 2024 – 2026).**

**BIODAPH2O: Eco-efficient system for wastewater tertiary treatment and water reuses in the Mediterranean region (LIFE21-ENV-ES-BIODAPH2O, 2023 – 2025).**

**SureNexus: Ensure fair NEXUS transition for climate change adaptation and sustainable development implementation based on coupled nature-based systems and bioeconomy (E.C., PRIMA FOUNDATION, 2022 - 2025).**

**HYDROUSA - Demonstration of water loops with innovative regenerative business models for the Mediterranean region. (H2020-, 2018-2023).**

**CIRC4Food\_-A circular economy inspired food production system. (GSRT, 2020-2022)**

**AccelWater- Accelerating Water Circularity in Food and Beverage Industrial Areas around Europe. (H2020, 2020-2025).**

**iWAYS:Innovative Water recovery solutions through recycling of heat, materials and water across multiple sectors (H2020, 2020-2025).**

**FIT4REUSE: Safe and Sustainable Solutions for the Integrated Use of non-conventional Water Resources in the Mediterranean Agricultural Sector (E.C., PRIMA FOUNDATION, 2019 - 2022).**

**INTCATCH – Development and application of novel integrated tools for monitoring and management catchments (H2020-WATER-2015, 2016-2019).**

**SMARTPLANT- Scale up of low carbon footprint material recovery techniques in existing wastewater treatment plants (H2020-WATER-2015, 2026-2019).**

**C-FOOT\_CONTROL: Developing on line tools to monitor, control and mitigate GHG emissions in WWTPs. (H2020-MSCA-RISE-2014 2015-2019).**

**DESSIN: Demonstrate ecosystem services enabling innovation in the water sector (FP7, 2014-2018).**

**WATERMICROPOL: Investigation of organic micropollutants' fate in wastewater treatment and study of their behavior during wastewater disposal to the aquatic environment (Ministry of Education, Religious Affairs, Culture and Sports, THALIS, 2012-2015).**

**CHARM: Chromium in Asopos groundwater system: remediation technologies and measures (LIFE, EC, 2011-2015).**

**Development and application of methods and mathematical models for the evaluation of the water quality characteristics of the Greek water bodies (Ministry of Environment, Energy & Climate Change, 2010-2011).**

**Assessment of the possibility to reduce Psytalia WWTP's operational cost (Athens Water Supply and Sewerage Company - EYDAP SA, 2010 - 2011).**

**Development of Database and software applications in a web platform for the "National Databank for Hydrological and Meteorological Information" (Hydroscope Systems Consortium,**

2009-2011).

**Development of the molecular technique FISH to provide for the quantitative and qualitative estimation and the viability of filamentous bacteria at biological nutrient removal activated sludge plants** (Ministry of Education, Pythagoras II, EPEAEK, 2006 – 08).

**Bioremediation of sites contaminated with trichloroethene (TCE)**, (Ministry of Education, Pythagoras, EPEAEK, 2005 – 07).

**Toxicity and biodegradation evaluation of endocrine disruptor chemicals**, (Ministry of Education, Pythagoras, EPEAEK, 2005 – 07).

**Sustainable Management of Industrial Liquid Effluents and Sludges (SMILES)** (General Secretariat of Research, 2003-2007).

**Integrated Management of Hydrosystems in Conjunction with an Advanced Information System (ODYSSEYS)** (General Secretariat of Research, 2003-2007)

**Guidelines to the Cyprus Competent Authorities for policy formulation for sustainable management of pig farming wastes in compliance with EU Practice** (LIFE, EC, 2004-2007).

**Wastewater reuse for seawater intrusion control by artificial recharging of aquifers and irrigation**. LIFE, EC, DG XI (1999 - 2002).

**Masterplan for the Management of Water Resources in Greece** (Ministry of Development, 1996-97).

#### Consulting services - Participation in WGs

- Participation in the study for the Upgrading and Improvement of the Wastewater treatment Plant of the city Agios Nikolaos, EMVIS Consulting Engineers SA (2014).
- Assessment of alternative disinfection methods for Athens Drinking Water, (Athens Water Supply and Sewerage Company - EYDAP SA, 2013)
- "Evaluation of the quality and measures required for the protection of Pagasitikos Golf and Asopos River Basin Ministry of Environment, Energy and Climate Change" (2011).
- Participation in the study "Technical support to the Special Secretary of Water for the implementation of the Drinking Water Directive 98/83/EC – Evaluation of the need for Water Safety Plans", Special Secretary of Water, Ministry of Environment, Energy and Climate Change" (2011).
- Participation in the study "Evaluation of the operation of Psytalia Wastewater Treatment Plant", Ministry of Environment, City Planning and Public Works, (2008 - 09).
- Participation in the study «Evaluation of Treatment Capacity of Bucharest Wastewater Treatment Plant», AKTOR ATHENA SA GRECIA SUCURSALA BUKURESTI, (2008).
- Participation in the study for the upgrading of the wastewater treatment plant of MANOS SA, ΜΑΝΟΣ SA, (2008).
- Participation in the study "Upgrading and Improvement of the Water Treatment Plant of Thessaloniki – 2nd Phase "In collaboration with ECOS, (2006-07).
- "Specialised Consultancy Services for the Implementation of Articles 5 and 6 of the Water Framework Directive in Cyprus", ENVECO S/A, (2004-2005).
- Supervision of the engineer design, construction works and operation of the new wastewater treatment plant of the city of Ioannina, Water and Sewerage Corporation of Ioannina, (2001-2004).
- Design and specifications for the Wastewater Treatment Plant for the city of Rafina, Attika. Consultant to the A.D.K. SA. (2001).
- Greek National representative (focal point) for the Working Group E on Priority Substances and river-basin-specific pollutants
- Greek National representative (focal point) for the Working Group Chemicals
- Working group for the evaluation of the operation of Psytalia Wastewater Treatment Plant for the Ministry of Environment, Planning and Public Works (2009, 2015).
- Working group for the determination of the environmental quality standards for the Asopos river and the emission limit values for the industrial effluents in the Asopos river basin for the Ministry of Environment, Energy and Climatic Change (2010).
- Working group for the determination of the environmental quality standards for priority pollutants and other certain pollutants in the Greek surface water bodies and the compliance of the national law to the requirements of Directive 2008/105/EC for the Ministry of Environment, Energy and Climatic Change (2011).
- Working group for the determination of technical specifications for the chemical analysis of water

status and the compliance of the national law to the requirements of Directive 2009/90/EC for the Ministry of Environment, Energy and Climatic Change (2011).

- Working group for the determination of the measures, the terms and the limits for wastewater reuse and the preparation of the ministerial decree for the Ministry of Environment, Energy and Climatic Change (2011).
- Working group for the determination of the terms and limits for sewage sludge reuse in agriculture for the Ministry of Environment, Energy and Climatic Change (2012).

#### Publications

Seintos, Taxiarchis, Barka, Evridiki, Statiris, Evangelos, Koukoura, Asimina, Noutsopoulos, Constantinos, Mamais, Daniel, Malamis, Simos. (2024). Investigating the application of novel filling materials in Vertical Subsurface Flow Constructed Wetlands for the treatment of anaerobic effluents originating from domestic wastewater. *Journal of Environmental Management*, 375, 124211.

Barka, E., Nika, M.C., Galani, A., Mamais D., Thomaidis, N., Malamis, S., Noutsopoulos, C. (2024). Evaluating an integrated nano zero-valent iron column system for emerging contaminants removal from different wastewater matrices – Identification of transformation products. *Chemosphere*, 352, 141425.

Plevri, A., Barka, E., Noutsopoulos, C., Mamais, D. (2023). Enhancing the Performance of AnMBR Treating Municipal Wastewater at a High Organic Loading Rate with Iron Addition. *Energies*, 16(7), 3069.

E. Barka, C. Noutsopoulos, A. Galani, I. Panagou, M. Kalli, E. Koumaki, S. Malamis, D. Mamais (2023). Removal of Contaminants of Emerging Concern from Wastewater Using an Integrated Column System Containing Zero Valent Iron Nanoparticles. *Water*, 15, 598.

Kalli, M., Noutsopoulos, C., Mamais, D. (2023). The Fate and Occurrence of Antibiotic-Resistant Bacteria and Antibiotic Resistance Genes during Advanced Wastewater Treatment and Disinfection: A Review. *Water*, 15(11), 2084.

E. Statiris, T. Dimopoulos, N. Petalas, C. Noutsopoulos, D. Mamais, S. Malamis (2022). Investigating the long and short-term effect of free ammonia and free nitrous acid levels on nitrification biomass of a sequencing batch reactor treating thermally pre-treated sludge reject water. *Bioresource Technology*, 2022, 362, 127760.

A. Galani, C. Noutsopoulos, P. Anastopoulou, A. Varouxaki, D. Mamais (2022). Reductive Cr(VI) removal under different reducing and electron donor conditions – A soil microcosm study. *Water*, 14, 2179, <https://doi.org/10.3390/w14142179>.

O.S. Arvaniti, M. E. Dasenaki, A.G. Asimakopoulos, V.G. Samaras, K. Antoniou, G. Gatidou, D. Mamais, C. Noutsopoulos, Z. Frontistis, N.S. Thomaidis, A.S. Stasinakis (2022). Effectiveness of tertiary treatment processes in removing different classes of emerging contaminants from domestic wastewater. *Frontiers in Environmental Science and Engineering*, 16 (11): 148, <https://doi.org/10.1007/s11783-022-1583-y>.

N. Goliopoulos, D. Mamais, C. Noutsopoulos, A. Dimopoulou, C. Kounadis (2022). Energy consumption and carbon footprint of Greek wastewater treatment plants. *Water*, 14, 320; <https://doi.org/10.3390/w14030320>.

D. Andreadakis, C. Noutsopoulos, D. Mamais, V. Charalambous, A. Koukoura, S. Malamis (2022). The Inhibitory effect of free nitrous acid and free ammonia on anoxic phosphorus uptake rate of polyphosphate accumulating organisms. *Energies*, 15, 2108.

A. Galani, D. Mamais, C. Noutsopoulos, P. Anastopoulou, A. Varouxaki (2022). Biological and physicochemical reduction of hexavalent chromium in an experimental column set-up. *Water*, 14, 89.

I. Panagou, C. Noutsopoulos, C. Mystrioti, E. Barka, E. Koumaki, M. Kalli, S. Malamis, N. Papassiopi, D. Mamais (2021). Assessing the performance of environmentally friendly-produced Zero Valent Iron nanoparticles to remove pharmaceuticals from water. *Sustainability*, 13, 12708.

D. Andreadakis, C. Noutsopoulos, G. Fragkiskatos, D. Mamais, T. Misiri, K. Argyropoulou, E. Themeli, S. Malamis. (2021). Inhibition of free nitrous acid and free ammonia on polyphosphate accumulating organisms: Evidence of insufficient phosphorus removal through nitrification-denitrification. *Journal of Environmental Management*, 297, 113390.

K. Kandris, M. Pantazidou, D. Mamais (2021). Model-based evidence for the relevance of microbial community variability to the efficiency of the anaerobic reductive dechlorination of TCE. *Journal of*



- A. Plevri, D. Mamais, C. Noutsopoulos (2021). Anaerobic MBR technology for treating municipal wastewater at ambient temperatures. *Chemosphere*, 275.
- E. Statoris, E. Hadjimitsis, C. Noutsopoulos, D. Mamais, S. Malamis (2020). Thiosulfate driven autotrophic denitrification via nitrite using synthetic wastewater. Accepted for publication at the *Journal of Chemical Technology and Biotechnology*.
- E. Koumaki, C. Noutsopoulos, D. Mamais, G. Fragkiskatos, A. Andreadakis (2020). Fate of emerging contaminants in high rate activated sludge systems. *International Journal of Environmental Research and Public Health*, 18 (2) 400 <https://doi.org/10.3390/ijerph18020400>.
- K. Antoniou, D. Mamais, M. Pantazidou (2019). Reductive dechlorination of trichloroethene under different sulfate-reducing and electron donor conditions, *Journal of contaminant hydrology*, 226, 1035.
- E. Efstathiou, D. Mamais, S. Tsourtis, P. Tridimas (2019). Mathematical modeling of primary sludge anaerobic hydrolysis, *Global Nest Journal*, 2019, 21(3), 368–373.
- C. Noutsopoulos, Koumaki, E., Sarantopoulos, V., D. Mamais (2019). Analytical and mathematical assessment of emerging pollutants fate in a river system, *Journal of Hazardous Materials*, 364, 48 – 58.
- E. Panousi, D. Mamais, C. Noutsopoulos, K. Mpertoli, C. Kantzavelou, E. Nyktari, I. Kavallari, M. Nasioka, A. Kaldis (2019). Biological groundwater treatment for hexavalent chromium removal at low chromium concentrations under anoxic conditions. *Environmental Technology*, 40 (3), 365 – 373.
- E. Koumaki, D. Mamais, C. Noutsopoulos (2018). Assessment of the environmental fate of endocrine disrupting chemicals in rivers. *Science of the Total Environment*, 628-629, 947-958.
- C. Noutsopoulos, D. Mamais, E. Statoris, E. Lerias, S. Malamis, A. Andreadakis (2018). Reject water characterization and treatment through short-cut nitrification/denitrification: assessing the effect of temperature and type of substrate. *Journal of Chemical Technology and Biotechnology*, 93(12), 3638 - 3647.
- A. Plevri, C. Noutsopoulos, D. Mamais, C. Makropoulos, A. Andreadakis, E. Lytras, S. Samios (2018). Priority pollutants and other micropollutants removal in an MBR-RO treatment system. *Desalination and Water Treatment*, 127, 121-131.
- E. Koumaki, D. Mamais, C. Noutsopoulos (2017). Environmental fate of non-steroidal anti-inflammatory drugs in river water/sediment systems, *Journal of Hazardous Materials*, 323, 233-241.
- M-C Nika, A. Bletsou, E. Koumaki, C. Noutsopoulos, D. Mamais, A.S. Stasinakis, N.S. Thomaidis (2017). Chlorination of benzothiazoles and benzotriazoles and transformation products identification by LC-HR-MS/MS, *Journal of Hazardous Materials*, 323, 400-413.
- A. Plevri, D. Mamais, C. Noutsopoulos, C. Makropoulos, A. Andreadakis, K. Rippis, E. Smeti, E. Lytras, C. Lioumis (2017). Promoting on-site urban wastewater reuse through MBR–RO treatment. *Desalination and Water Treatment*, 91, 2-11.
- C. Makropoulos, E. Rozos, I. Tsoukalas, G. Karakatsanis, L. Karagiannidis, E. Makri, C. Lioumis, C. Noutsopoulos, D. Mamais, C. Rippis, E. Lytras (2017). Sewer-mining: A water reuse option supporting circular economy, public service provision and entrepreneurship. *Journal of Environmental Management*, <http://dx.doi.org/10.1016/j.jenvman.2017.07.026>
- E. Panousi, D. Mamais, C. Noutsopoulos, K. Antoniou, K. Koutoula, S.i Mastrantoni, C. Koutsogiannis, A. Gkioni (2016). Biological treatment of groundwater with a high hexavalent chromium content under anaerobic and anoxic conditions, *J Chem Technol Biotechnol*. 91 (6) 1681-1687.
- D. Mamais, C. Noutsopoulos, I. Kavallari, E. Nyktari, A. Kaldis, E. Panousi, G. Nikitopoulos, K. Antoniou, M. Nasioka (2016). Biological groundwater treatment for chromium removal at low hexavalent chromium concentrations, *Chemosphere*, 152, 238-244.
- E. Koumaki, D. Mamais, C. Noutsopoulos, M.C. Nika, A. Bletsou, N. Thomaidis, A. Eftaxias, G. Stratogianni (2015). Degradation of emerging contaminants from water under natural sunlight: The effect of season, pH, humic acids and nitrate and identification of photodegradation by-products, *Chemosphere*, 138, 675-681.

- D. Mamais, C. Noutsopoulos, A. Dimopoulou, A. Stasinakis, T.D. Lekkas (2015). Wastewater treatment processes impact on energy savings and greenhouse gas emission, *Water Science and Technology*, 71.2, 303-308.
- S. Malamis, A. Andreadakis, D. Mamais, C. Noutsopoulos (2015). Can strict water reuse standards be the drive for the wider implementation of MBR technology? *Desalination and Water Treatment*, 53, 3303-3308.
- I. Panagiotakis, K. Antoniou, D. Mamais, M. Pantazidou (2015). Effects of Different Electron Donor Feeding Patterns on TCE Reductive Dechlorination Performance, *Bulletin of Environmental Contamination and Toxicology*, 94(3), 289–294.
- K. Kandris, K. Antoniou, M. Pantazidou, D. Mamais (2015). Modelling microbial dechlorination of trichloroethene: Investigating the trade-off between quality of fit and parameter reliability, *Bulletin of Environmental Contamination and Toxicology*, 94(3), pp. 295–301
- Samaras V.G., Stasinakis A.S., Thomaidis N.S., Mamais D., Lekkas T.D. (2014) Fate of selected emerging micropollutants during mesophilic, thermophilic and temperature co-phased anaerobic digestion of sewage sludge. *Bioresource Technology* 162, 365-372.
- S. Malamis, A. Andreadakis, D. Mamais and C. Noutsopoulos, (2014). Comparison of alternative additives employed for membrane fouling mitigation in membrane bioreactors, *Desalination and Water Treatment*, 52, 5740-5747.
- C. Noutsopoulos, D. Mamais, V. Samaras, T. Bouras and K. Antoniou (2013). 'Effect of wastewater chlorination on endocrine disruptors removal'. *Water Science and Technology*.
- Stasinakis A.S., Thomaidis N.S., Arvaniti O.S., Asimakopoulos A.G., Samaras V.G., Ajibola A., Mamais D., Lekkas T.D. (2013) Contribution of primary and secondary treatment on the removal of benzothiazoles, benzotriazoles, endocrine disruptors, pharmaceuticals and perfluorinated compounds in a sewage treatment plant. *Science of the Total Environment* 463-464, 1067-1075.
- Samaras V.G., Stasinakis S., Mamais D., Thomaidis N.S., Lekkas T.D. (2013) Fate of selected pharmaceuticals and synthetic endocrine disrupting compounds during wastewater treatment and sludge anaerobic digestion. *Journal of Hazardous Materials* 244-245, 259-267.
- C. Noutsopoulos, D. Mamais, K. Antoniou, C. Avramides, P. Oikonomopoulos and I. Fountoulakis (2013). Anaerobic co-digestion of grease sludge and sewage sludge: The effect of organic loading and grease sludge content. *Bioresource Technology*, 131, 425-459.
- C. Noutsopoulos, D. Mamais and A. Andreadakis (2012). "A hypothesis on *Microthrix parvicella* proliferation in biological nutrient removal activated sludge systems with selector tanks", *FEMS Microbiology Ecology*, 80 (2), 380 - 389.
- Mamais, D., Mameri, M. and Notsopoulos C. (2012). "Causes and control practices of filamentous foaming in wastewater treatment plants", *Water Practice and Technology*, 7(3).
- M. Pantazidou, Iraklis Panagiotakis, D. Mamais and V. Zikidi (2012). "Chloroethene biotransformation in the presence of varying sulfate concentrations", *Ground Water Monitoring & Remediation*, 32(1), 106-119.
- C. Noutsopoulos, D. Mamais, K. Antoniou and C. Avramides (2012). 'Increase of biogas production through co-digestion of lipids and sewage sludge'. *Global Nest Journal*, 14, 2, 133-140.
- S. Malamis, A. Andreadakis, D. Mamais, C. Noutsopoulos (2011). "The investigation of long-term operation and biomass activity in a membrane bioreactor system, *Water Science and Technology*, 63(9), 1906 – 1912.
- D. Mamais, E Kalaitzi and A. Andreadakis (2011). "Foaming control in activated sludge treatment plants by coagulants addition", *International Journal of Global Nest*, 13 (3), 237 - 245.
- A. D. Andreadakis, D. Mamais, E.A. Gavalakis, C. Noutsopoulos, N. Kouris and G. Nikitopoulos (2010). 'Removal of taste and odour from potable water by ozon and powdered activated carbon (PAC)'. *International Journal of Environment and Waste Management*, 5, 3/4, 392-409.



- C. Noutsopoulos, D. Mamais and A. Andreadakis (2010). 'Long chain fatty acids removal in selector tanks: Evidence for insufficient *Microthrix parvicella* control', *Desalination and Water*, 23, 1-6.
- A. D. Andreadakis, D. Mamais, E.A. Gavalakis, C. Noutsopoulos, N. Kouris and G. Nikitopoulos (2010). 'Removal of taste and odour from potable water by ozon and powdered activated carbon (PAC)'. *International Journal of Environment and Waste Management*, 5, 3/4, 392-409.
- A. Stasinakis, S. Kotsifa, G. Gatidou and D. Mamais (2009) "Diuron biodegradation in activated sludge batch reactors under aerobic and anoxic conditions", *Water Research*, 43, 1471 - 1479.
- M. Mameri, D. Mamais and Koutsiouki Efi (2009) "Microthrix parvicella and *Gordonia amarae* in mesophilic and thermophilic anaerobic digestion systems", *Environmental Technology*, vol. 30 (5), 437 – 444.
- D. Mamais, A. Tzimas, A. Efthimiadou, J. Kissandrakis and A. Andreadakis (2009) "Evaluation of Different Sludge Mechanical Dewatering Technologies", *Journal of Residuals Science and Technology*, Vol 6 (1), pp 27 – 34.
- A.S. Stasinakis, G. Gatidou, D. Mamais, N. Thomaidis and T. Lekkas (2008) "Occurrence and fate of endocrine disrupters in Greek sewage treatment plants", *Water Research*, 42, 1796-1804.
- A.S. Stasinakis, D. Mamais, N. Thomaidis, E. Danika, G. Gatidou and T. Lekkas (2008) "Inhibitory effect of triclosan and nonylphenol on respiration rates and ammonia removal in activated sludge systems", *Ecotoxicology and Environmental Safety*, 70, 199-206.
- D. Mamais, C. Noutsopoulos, A.S. Stasinakis, N. Kouris and A. Sakellariou (2008) "Comparison of alternative methods for assessing toxicity to municipal activated sludge", *Water Environment Research*, 80, 484-489.
- C. Noutsopoulos, A. Andreadakis, D. Mamais and E. Gavalakis (2007). Identification of type and causes of filamentous bulking under Mediterranean conditions. *Environmental Technology*, Vol. 28, pp. 115-122.
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