

CURRICULUM VITAE

PERSONAL DETAILS

Name: Dionissios Mantzavinos
Date of birth: 01-01-1969
Address: Department of Chemical Engineering, University of Patras,
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Google scholar: <http://scholar.google.com/citations?user=KvFFsVM AAAAJ&hl=en&oi=ao>

STATISTICS AT A GLANCE

Journal publications:	212
Conference publications:	161
Chapters in books:	4
Citations (Google scholar):	>13600
H-index (Google scholar):	64
Mean impact factor of journal publications:	4.8
Editor-in-Chief:	1
Editorial board member in journals:	3
Guest editor in journal special issues:	27
Number of journals involved as reviewer:	105
Number of postdoctoral researchers supervised:	7
Number of PhD students supervised or-co-supervised:	7
Number of MSc students supervised or-co-supervised:	29
Number of BSc students supervised or-co-supervised:	70
Number of foreign students hosted in the lab:	15 (from 13 different Universities)
Number of research proposals as PI/Collaborator:	27
Reviewer to international research agencies:	8

HIGHER EDUCATION

	Imperial College of Science, Technology and Medicine University of London, UK
10/1993-12/1996	Dept. of Chemical Engineering and Chemical Technology <i>Doctor of Philosophy (PhD)</i> <i>Diploma of Imperial College (DIC) in Wastewater Treatment</i> Thesis: Integrated wet air oxidation and biological treatment of organic-containing wastewaters
9/1992-9/1993	<i>Master of Science (MSc) with Distinction</i> <i>Diploma of Imperial College (DIC) in Advanced Chemical Engineering</i>
	Aristotle University of Thessaloniki, Greece
9/1986-9/1991	Dept. of Chemical Engineering <i>Diploma in Chemical Engineering (Grade: 8/10)</i>

CAREER

3/2013-present	Dept. of Chemical Engineering, University of Patras (UPatras), Greece Professor in Wastewater Engineering
8/2010-2/2013	Dept. of Environmental Engineering, Technical University of Crete (TUC), Greece Professor in Wastewater Engineering
8/2006-8/2010	Associate Professor in Wastewater Engineering
5/2005-8/2006	Assistant Professor (tenure) in Wastewater Engineering
11/2001-5/2005	Assistant Professor (probation) in Wastewater Engineering
1/2008-5/2008	Dept. of Civil and Environmental Engineering, University of Cyprus Visiting Associate Professor
5/2008-12/2008	Dept. of Environmental Management, Cyprus University of Technology Visiting Associate Professor
10/2007-present	Hellenic Open University Collaborating Teaching Staff
10/1999-11/2001	Dept. of Chemical Engineering, University of Leeds, UK Lecturer
8/1998-10/1999	School of Chemical Engineering, University of Edinburgh, UK Research Fellow

TEACHING EXPERIENCE

Undergraduate courses: Chemical reaction engineering, Transport phenomena, Mass transfer, Biochemical reaction engineering, Unit operations, Introduction to environmental engineering, Biological wastewater treatment processes;

Postgraduate courses: Physicochemical wastewater treatment processes, Environmental catalysis, Advanced oxidation processes, Systems modeling;

Postgraduate Courses in Hellenic Open University: Catalysis and environmental protection, Waste management

ADMIN DUTIES

12/2017-	Member of UPatras Research Committee
10/2017-	Alternate Member of the General Assembly of HFRI (ELIDEK)
3/2017-11/2017	Deputy Head of division of process and environmental engineering at UPatras
9/2013-10/2015	Head of division of process and environmental engineering at UPatras
2009-2012	Director of postgraduate studies at TUC
2003-2007	Member of TUC senate

RESEARCH FUNDING (as PI)

Hellenic Ministry of Education, General Secretariat for Research & Technology, TUC Research Committee, UPatras Research Committee, Cyprus Research Promotion Foundation, private sector (DEYA of Chania, OX-CTA SL Company, Spain), FP7, LIFE

REVIEWER TO INTERNATIONAL RESEARCH AGENCIES

Cyprus, Finland, UK, Portugal, Slovenia, Kazakhstan, Israel, Switzerland, Lithuania

EXTERNAL PhD EXAMINER ABROAD

University of Cyprus, Cyprus University of Technology, VIT University (India), Imperial College, Universities of Almeria, Cantabria, Castilla-La-Mancha, Girona, Extremadura, Valencia, Autonoma de Madrid, Aalborg, Johannesburg, Malaya (Malaysia), Punjab (Pakistan)

EVALUATOR OF FACULTY PROMOTIONS ABROAD

Cyprus University of Technology, Ecole Polytechnique Federale de Lausanne (Switzerland) Tallinn University of Technology (Estonia), American University of Sharjah (UAE)

EDITORIAL ACTIVITIES

Journal Editor – Editorial Board Member

<i>no</i>	<i>Journal</i>	<i>Role</i>	<i>Publisher</i>
1	Journal of Chemical Technology & Biotechnology	Editor-in-Chief	Wiley
2	Water Research	Associate Editor	Elsevier
3	Chemical Engineering Journal	Editorial Board	Elsevier
3	Environmental Technology Reviews	Editorial Board	Taylor & Francis
4	International Journal of Photoenergy	Editorial Board	Hindawi Publ. Corpor.

Conference Proceedings Editor

<i>no</i>	<i>Conference</i>
1	Protection & Restoration of the Environment VIII, Chania, 2006
2	1 st European Conference on Environmental Applications of Advanced Oxidation Processes, Chania, 2006
3	2 nd European Conference on Environmental Applications of Advanced Oxidation Processes, Nicosia, 2009
4	8 th European Meeting on Solar Chemistry and Photocatalysis: Environmental Applications (SPEA8), Thessaloniki, 2014
5	4 th European Conference on Environmental Applications of Advanced Oxidation Processes, Athens, 2015

Journal Guest Editor

<i>no</i>	<i>Journal</i>	<i>Special Issue Details</i>
1	Journal of Chemical Technology & Biotechnology	Remediation of industrial and agro-industrial effluents (81(9), 2006)
2	Catalysis Today	Advanced catalytic oxidation processes (124(3-4), 2007)

3	Journal of Hazardous Materials	Environmental applications of advanced oxidation processes (146(3), 2007)
4	Separation Science & Technology	Advanced oxidation processes for environmental remediation: Process integration (42(7), 2007)
5	Journal of Chemical Technology & Biotechnology	In Focus – Advanced oxidation processes (83(10), 2008)
6	Journal of Chemical Technology & Biotechnology	In Focus – Wastewater treatment (83(12), 2008)
7	Journal of Chemical Technology & Biotechnology	Bioremediation (84(6), 2009)
8	Water Research	Applications of advanced oxidation processes in wastewater treatment (43(16), 2009)
9	Catalysis Today	2 nd European conference on environmental applications of advanced oxidation processes (EAAOP-2) (151(1-2), 2010)
10	Separation Science & Technology	Integrated and hybrid treatment processes for pollutants separation and environmental protection (45(11), 2010)
11	Journal of Chemical Technology & Biotechnology	In Focus – Advanced photochemical disinfection (85(8), 2010)
12	Journal of Chemical Technology & Biotechnology	Bioremediation (87(9), 2012)
13	Chemical Engineering Journal	7 th European meeting on solar chemistry and photocatalysis: Environmental applications (SPEA7) (224, 2013)
14	Journal of Chemical Technology & Biotechnology	EAAOP3 (89(8), 2014)
15	Environmental Science & Pollution Research	Advanced Oxidation Processes for Environmental Protection (21(21), 2014)
	Global Nest Journal	Advanced oxidation processes (AOPs) (16(3), 2014)
	Catalysis Today	Environmental Applications of Advanced Oxidation Processes - EAAOP3 (240, 2015)
17	Catalysis Today	8 th European Meeting on Solar Chemistry & Photocatalysis: Environmental Applications (252, 2015)
18	Photochemical & Photobiological sciences	Solar Chemistry & Photocatalysis – Environmental Applications (14(3), 2015)
19	Applied Catalysis B: Environmental	Photocatalysis: Science & Applications (178, 2015)
20	Catalysis Today	Environmental Applications of Advanced Oxidation Processes – EAAOP4 (280, 2017)
21	Chemical Engineering Journal	Emerging Advanced Oxidation Processes for the Elimination of Micro-Pollutants (318, 2017)
22	Journal of Environmental Management	Advanced Oxidation Processes for Environmental Remediation (195 Part 2, 2017)
23	Environmental Science & Pollution Research	Advances and Trends in Advanced Oxidation Processes (24(2), 2017)
24	Catalysis Today	5 th European Conference on Environmental Applications of Advanced Oxidation Processes (313, 2018)
25	Environmental Science & Pollution Research	Advanced Oxidation Processes for Water/Wastewater Treatment (25(35), 2018)
26	Catalysis Today	Catalysis for Energy & Environmental Applications – to appear in 2019
27	Catalysts	Photocatalysis Science & Engineering in Europe – to appear in 2019

LIST OF PUBLICATIONS – CITATIONS

Publications and citations can be found at:

<http://scholar.google.com/citations?user=KvFFsVMAAAAJ&hl=en&oi=ao>

DISTRIBUTION OF JOURNAL PUBLICATIONS

<i>Journal Title</i>	<i>Number of papers</i>	<i>Latest impact factor</i>
Applied Catalysis B - Environmental	19	11.698
Environment International	5	7.297
Water Research	21	7.051
Chemical Engineering Journal	11	6.735
Journal of Hazardous Materials	13	6.434
Journal of Cleaner Production	2	5.651
Desalination	2	6.603
Analytica Chimica Acta	1	5.123
Catalysis Today	26	4.667
Electrochemistry Communications	1	4.660
Ultrasonics Sonochemistry	5	6.012
Chemosphere	3	4.427
Waste Management	1	4.723
Solar Energy	1	4.374
Journal of Environmental Management	8	4.005
Environmental Research	1	4.732
Separation & Purification Technology	1	3.927
Journal of Chemical Technology & Biotechnology	21	2.587
International Biodeterioration & Biodegradation	1	3.562
Journal of Environmental Sciences	1	3.120
Process Safety & Environmental Protection	5	3.441
Chemical Engineering Science	2	3.306
Industrial & Engineering Chemistry Research	3	3.141
Environmental Science & Pollution Research	5	2.800
Journal of Photochemistry & Photobiology A - Chemistry	2	2.891
Journal of Environmental Monitoring (<i>no longer published</i>)	1	2.592
Chemical Engineering Research & Design	4	2.795
Topics in Catalysis	2	2.439
Solid State Ionics	5	2.751
Photochemical & Photobiological Sciences	6	2.902
Journal of Applied Electrochemistry	2	2.262
Environmental Technology	2	1.666
Water Air & Soil Pollution	1	1.769
Desalination & Water Treatment	1	1.383
Canadian Journal of Chemical Engineering	1	1.265
International Journal of Photoenergy	1	1.547
Water Science & Technology	8	1.247
Separation Science & Technology	1	1.200
Biorheology	1	1.316
Journal of Water & Health	1	1.352
Water Environment Research	1	0.825
Global Nest Journal	4	0.744
Journal of Advanced Oxidation Technologies	2	0.901
ChemElectroChem	1	4.446
Catalysts	3	3.465
International Journal of Environment & Pollution	1	0.506
Annali di Chimica (<i>no longer published</i>)	1	0.516

LIST OF JOURNAL PUBLICATIONS

1. D.Antoniadis, **D.Mantzavinos** and M.Stamatoudis, Effect of chamber volume and diameter on bubble formation at plate orifices, *Chemical Engineering Research & Design*, **70(2)**, (1992), 161-165.
2. **D.Mantzavinos**, R.Hellenbrand A.G.Livingston and I.S.Metcalf, Catalytic wet oxidation of p-coumaric acid: partial oxidation intermediates, reaction pathways and catalyst leaching, *Applied Catalysis B-Environmental*, **7(3-4)**, (1996), 379-396.
3. **D.Mantzavinos**, A.G.Livingston, R.Hellenbrand, and I.S.Metcalf, Wet air oxidation of polyethylene glycols; mechanisms, intermediates and implications for integrated chemical-biological wastewater treatment, *Chemical Engineering Science*, **51(18)**, (1996), 4219-4235.
4. **D.Mantzavinos**, R.Hellenbrand, I.S.Metcalf and A.G.Livingston, Partial wet oxidation of p-coumaric acid: oxidation intermediates, reaction pathways and implications for wastewater treatment, *Water Research*, **30(12)**, (1996), 2969-2976.
5. **D.Mantzavinos**, R.Hellenbrand, A.G.Livingston and I.S.Metcalf, Catalytic wet air oxidation of polyethylene glycol, *Applied Catalysis B-Environmental*, **11(1)**, (1996), 99-119.
6. **D.Mantzavinos**, R.Hellenbrand, A.G.Livingston and I.S.Metcalf, Kinetics of wet oxidation of p-coumaric acid over a CuO.ZnO-Al₂O₃ catalyst, *Chemical Engineering Research & Design*, **75(1)**, (1997), 87-91.
7. **D.Mantzavinos**, R.Hellenbrand, A.G.Livingston and I.S.Metcalf, Reaction mechanisms and kinetics of chemical pretreatment of bioresistant organic molecules by wet air oxidation, *Water Science & Technology*, **35(4)**, (1997), 119-127.
8. **D.Mantzavinos**, E.Lauer, R.Hellenbrand, A.G.Livingston and I.S.Metcalf, Wet oxidation as a pretreatment method for wastewaters contaminated by bioresistant organics, *Water Science & Technology*, **36(2-3)**, (1997), 109-116.
9. E.Otal, **D.Mantzavinos**, M.V.Delgado, R.Hellenbrand, J.Lebrato, I.S.Metcalf and A.G.Livingston, Integrated wet air oxidation and biological treatment of polyethylene glycol-containing wastewaters, *Journal of Chemical Technology & Biotechnology*, **70(2)**, (1997), 147-156.
10. R.Hellenbrand, **D.Mantzavinos**, I.S.Metcalf and A.G.Livingston, Integration of wet oxidation and nanofiltration for treatment of recalcitrant organics in wastewater, *Industrial & Engineering Chemistry Research*, **36(12)**, (1997), 5054-5062.
11. **D.Mantzavinos**, A.I.Bailey and M.W.Rampl, Flash freezing of erythrocyte suspensions, *Biorheology*, **34(1)**, (1997), 73-83.
12. **D.Mantzavinos**, M.Sahibzada, A.G.Livingston, I.S.Metcalf and K.Hellgardt, Wastewater treatment: Wet air oxidation as a precursor to biological treatment, *Catalysis Today*, **53(1)**, (1999), 93-106.
13. A.Hartley, M.Sahibzada, M.Weston I.S.Metcalf and **D.Mantzavinos**, La_{0.6}Sr_{0.4}Co_{0.2}Fe_{0.8}O₃ as the anode and cathode for intermediate temperature solid oxide fuel cells, *Catalysis Today*, **55(1-2)**, (2000), 197-204.
14. **D.Mantzavinos**, E.Lauer, M.Sahibzada, A.G.Livingston and I.S.Metcalf, Assessment of partial treatment of polyethylene glycol wastewaters by wet air oxidation, *Water Research*, **34(5)**, (2000), 1620-1628.
15. **D.Mantzavinos**, R.Hellenbrand, A.G.Livingston and I.S.Metcalf, Beneficial combination of wet oxidation, membrane separation and biodegradation processes for

- treatment of polymer processing wastewaters, *Canadian Journal of Chemical Engineering*, **78(2)**, (2000), 418-422.
16. M.Sahibzada, B.C.H.Steele, K.Hellgardt, D.Barth, A.Effendi, **D.Mantzavinos** and I.S.Metcalf, Intermediate temperature solid oxide fuel cells operated with methanol fuels, *Chemical Engineering Science*, **55(16)**, (2000), 3077-3083.
 17. **D.Mantzavinos**, D.M.P.Burrows, R.Willey, G.LoBiundo, S.F.Zhang, A.G.Livingston and I.S.Metcalf, Wet air oxidation of aqueous solutions of linear alkyl benzene sulfonates, *Industrial & Engineering Chemistry Research*, **39(10)**, (2000), 3659-3665.
 18. M.Sahibzada, **D.Mantzavinos**, A.Hartley, W.Morton and I.S.Metcalf, Solid electrolyte coulometric studies of oxide state and kinetics, *Chemical Engineering Research & Design*, **78(7)**, (2000), 965-970.
 19. **D.Mantzavinos**, A.Hartley, I.S.Metcalf and M.Sahibzada, Oxygen stoichiometries in $\text{La}_{1-x}\text{Sr}_x\text{Co}_{1-y}\text{Fe}_y\text{O}_{3-\delta}$ perovskites at reduced oxygen partial pressures, *Solid State Ionics*, **134(1-2)**, (2000), 103-109.
 20. A.Hartley, **D.Mantzavinos**, M.Sahibzada and I.S.Metcalf, An integrated approach for determining oxygen stoichiometries in oxides, *Solid State Ionics*, **136-137**, (2000), 127-131.
 21. D.Barth, M.Sahibzada, **D.Mantzavinos** and I.S. Metcalf, Solid electrolyte sensor for studying the behaviour of a partial oxidation catalyst, *Solid State Ionics*, **136-137**, (2000), 621-627.
 22. M.Sahibzada, W.Morton, A.Hartley, **D.Mantzavinos** and I.S.Metcalf, A simple method for the determination of surface exchange and ionic transport kinetics in oxides, *Solid State Ionics*, **136-137**, (2000), 991-996.
 23. **D.Mantzavinos**, D.M.P.Burrows, R.Willey, G.LoBiundo, S.F.Zhang, A.G.Livingston and I.S.Metcalf, Chemical treatment of an anionic surfactant wastewater: Electrospray-MS analysis of intermediates and effect on aerobic biodegradability, *Water Research*, **35(14)**, (2001), 3337-3344.
 24. L.Oliviero, J.Barbier Jr., D.Duprez, H.Wahyu, J.W.Ponton, I.S.Metcalf and **D.Mantzavinos**, Wet air oxidation of aqueous solutions of maleic acid over Ru/CeO₂ catalysts, *Applied Catalysis B-Environmental*, **35(1)**, (2001), 1-12.
 25. M.Papadaki, V.Stoikou, **D.Mantzavinos** and J.L. Rodriguez-Miranda, Towards improved reaction runaway studies: Kinetics of the N-oxidation of 2-methylpyridine using heat-flow calorimetry, *Process Safety & Environmental Protection*, **80(4)**, (2002), 186-196.
 26. S.P.Scott, **D.Mantzavinos**, A.Hartley, M.Sahibzada and I.S.Metcalf, Reactivity of LSCF perovskites, *Solid State Ionics*, **152-153**, (2002), 777-781.
 27. L.Oliviero, H.Wahyu, J.Barbier Jr., D.Duprez, J.W.Ponton, I.S.Metcalf and **D.Mantzavinos**, Experimental and predictive approach for determining wet air oxidation reaction pathways in synthetic wastewaters, *Chemical Engineering Research & Design*, **81(3)**, (2003), 384-392.
 28. E.Psillakis, A.Ntelekos, **D.Mantzavinos**, E.Nikolopoulos and N.Kalogerakis, Solid-phase microextraction to monitor the sonochemical degradation of polycyclic aromatic hydrocarbons in water, *Journal of Environmental Monitoring*, **5(1)**, (2003), 135-140.
 29. **D.Mantzavinos**, Removal of cinnamic acid derivatives from aqueous effluents by Fenton and Fenton-like processes as an alternative to direct biological treatment, *Water Air & Soil Pollution: Focus*, **3(3)**, (2003), 211-221.

30. **D.Mantzavinos**, Removal of benzoic acid derivatives from aqueous effluents by the catalytic decomposition of hydrogen peroxide, *Process Safety & Environmental Protection*, **81(2)**, (2003), 99-106.
31. R.J.Emery, M.Papadaki and **D.Mantzavinos**, Sonochemical degradation of phenolic pollutants in aqueous solutions, *Environmental Technology*, **24(12)**, (2003), 1491-1500.
32. E.Psillakis, **D.Mantzavinos** and N.Kalogerakis, Development of a hollow fibre liquid phase microextraction method to monitor the sonochemical degradation of explosives in water, *Analytica Chimica Acta*, **501(1)**, (2004), 3-10.
33. M.Papadaki, R.J.Emery, M.A.Abu-Hassan, A.Díaz-Bustos, I.S.Metcalf and **D.Mantzavinos**, Sonocatalytic oxidation processes for the removal of contaminants containing aromatic rings from aqueous effluents, *Separation & Purification Technology*, **34(1-3)**, (2004), 35-42.
34. E.Psillakis, **D.Mantzavinos** and N.Kalogerakis, Monitoring the sonochemical degradation of phthalate esters in water using solid-phase microextraction, *Chemosphere*, **54(7)**, (2004), 849-857.
35. **D.Mantzavinos** and E.Psillakis, Enhancement of biodegradability of industrial wastewaters by chemical oxidation pre-treatment, *Journal of Chemical Technology & Biotechnology*, **79(5)**, (2004), 431-454.
36. E.Psillakis, G.Goula, N.Kalogerakis and **D.Mantzavinos**, Degradation of polycyclic aromatic hydrocarbons in aqueous solutions by ultrasonic irradiation, *Journal of Hazardous Materials*, **108(1-2)**, (2004), 95-102.
37. C.Vassilakis, A.Pantidou, E.Psillakis, N.Kalogerakis and **D.Mantzavinos**, Sonolysis of natural phenolic compounds in aqueous solutions: degradation pathways and biodegradability, *Water Research*, **38(13)**, (2004), 3110-3118.
38. E.Manousaki, E.Psillakis, N.Kalogerakis and **D.Mantzavinos**, Degradation of sodium dodecylbenzene sulfonate in water by ultrasonic irradiation, *Water Research*, **38(17)**, (2004), 3751-3759.
39. R.J.Emery, M.Papadaki, L.M.Freitas dos Santos and **D.Mantzavinos**, Extent of sonochemical degradation and change of toxicity of a pharmaceutical precursor (triphenylphosphine oxide) in water as a function of treatment conditions, *Environment International*, **31(2)**, (2005), 207-211.
40. D.Atanassova, P.Kefalas, C.Petrakis, **D.Mantzavinos**, N.Kalogerakis and E.Psillakis, Sonochemical reduction of the antioxidant activity of olive mill wastewater, *Environment International*, **31(2)**, (2005), 281-287.
41. **D.Mantzavinos** and N.Kalogerakis, Treatment of olive mill effluents. Part I: organic matter degradation by chemical and biological processes – an overview, *Environment International*, **31(2)**, (2005), 289-295.
42. R.Sarika, N.Kalogerakis and **D.Mantzavinos**, Treatment of olive mill effluents. Part II: complete removal of solids by direct flocculation with poly-electrolytes, *Environment International*, **31(2)**, (2005), 297-304.
43. M.A.Abu-Hassan, **D.Mantzavinos** and I.S.Metcalf, Wet air oxidation and ultrasound for the removal of linear alkylbenzene sulfonates from wastewater: the beneficial role of catalysis, *Topics in Catalysis*, **33(1-4)**, (2005), 141-148.
44. M.Charalabaki, E.Psillakis, **D.Mantzavinos** and N.Kalogerakis, Analysis of polycyclic aromatic hydrocarbons in wastewater treatment plant effluent using hollow fibre liquid-phase microextraction, *Chemosphere*, **60(5)**, (2005), 690-698.
45. M.Gotsi, N.Kalogerakis, E.Psillakis, P.Samaras and **D.Mantzavinos**, Electrochemical oxidation of olive oil mill wastewaters, *Water Research*, **39(17)**, (2005), 4177-4187.

46. T.Velegraki, I.Poulios, M.Charalabaki, N.Kalogerakis, P.Samaras and **D.Mantzavinos**, Photocatalytic and sonolytic oxidation of acid orange 7 in aqueous solution, *Applied Catalysis B-Environmental*, **62(1-2)**, (2006), 159-168.
47. M.A.Abu-Hassan, J.K. Kim, I.S.Metcalf and **D.Mantzavinos**, Kinetics of low frequency sonodegradation of linear alkylbenzene sulfonate solutions, *Chemosphere*, **62(5)**, (2006), 749-755.
48. T.Manios, G.Moraitaki and **D.Mantzavinos**, Survival of total coliforms in lawn irrigated with secondary wastewater and chlorinated effluent in the Mediterranean region, *Water Environment Research*, **78(3)**, (2006), 330-335.
49. P.A.Pekakis, N.P.Xekoukoulotakis and **D.Mantzavinos**, Treatment of textile dyehouse wastewater by TiO₂ photocatalysis, *Water Research*, **40(6)**, (2006), 1276-1286.
50. A.Ginos, T.Manios and **D.Mantzavinos**, Treatment of olive mill effluents by coagulation-flocculation-hydrogen peroxide oxidation and effect on phytotoxicity, *Journal of Hazardous Materials*, **133(1-3)**, (2006), 135-142.
51. D.R.Stapleton, R.J.Emery, **D.Mantzavinos** and M.Papadaki, Photolytic destruction of halogenated pyridines in wastewaters, *Process Safety & Environmental Protection*, **84(4)**, (2006), 313-316.
52. P.Karageorgos, A.Coiz, M.Charalabaki, N.Kalogerakis, N.P.Xekoukoulotakis and **D.Mantzavinos**, Ozonation of weathered olive mill wastewaters, *Journal of Chemical Technology & Biotechnology*, **81(9)**, (2006), 1570-1576.
53. E.Kouroutzidou, I.Georgaki, **D.Mantzavinos** and T.Manios, Anaerobic biodegradability of gallic acid found in olive mill wastewaters, *Journal of Chemical Technology & Biotechnology*, **81(9)**, (2006), 1594-1599.
54. D.R.Stapleton, R.J.Emery, C.Smith, C.Pochet, A.Fernandez-Dominguez, **D.Mantzavinos** and M. Papadaki, Degradation of 2-chloropyridine in water by ultraviolet and ultrasound irradiation, *International Journal of Environment & Pollution*, **28(1-2)**, 2006, 87-99.
55. E.Chatzisyneon, N.P.Xekoukoulotakis, A.Coiz, N.Kalogerakis and **D.Mantzavinos**, Electrochemical treatment of textile dyes and dyehouse effluents, *Journal of Hazardous Materials*, **137(2)**, (2006), 998-1007.
56. A.Coiz, **D.Mantzavinos**, P.Karageorgos, N.Kalogerakis, A.Andres, J.R.Viguri and A.Irabien, Influence of the organic compounds on the ecotoxicity in the treatment of foundry sludge and olive mill waste, *Annali di Chimica*, **96(9-10)**, (2006), 505-514.
57. T.Papadam, N.P.Xekoukoulotakis, I.Poulios and **D.Mantzavinos**, Photocatalytic transformation of acid orange 20 and Cr(VI) in aqueous TiO₂ suspensions, *Journal of Photochemistry and Photobiology A-Chemistry*, **186(2-3)**, (2007), 308-315.
58. A.M.T.Silva, E.Nouli, N.P.Xekoukoulotakis and **D.Mantzavinos**, Effect of key operating parameters on phenols degradation during H₂O₂-assisted TiO₂ photocatalytic treatment of simulated and actual olive mill wastewaters, *Applied Catalysis B-Environmental*, **73(1-2)**, (2007), 11-22.
59. C.Berberidou, I.Poulios, N.P.Xekoukoulotakis and **D.Mantzavinos**, Sonolytic, photocatalytic and sonophotocatalytic degradation of malachite green in aqueous solutions, *Applied Catalysis B-Environmental*, **74(1-2)**, (2007), 63-72.
60. D.E.Kritikos, N.P.Xekoukoulotakis, E.Psillakis and **D.Mantzavinos**, Photocatalytic degradation of reactive black 5 in aqueous solutions: Effect of operating conditions and coupling with ultrasound, *Water Research*, **41(10)**, (2007), 2236-2246.
61. E.Kotta, N.Kalogerakis and **D.Mantzavinos**, The effect of solids on the electrochemical treatment of olive mill effluents, *Journal of Chemical Technology & Biotechnology*, **82(5)**, (2007), 504-511.

62. A.M.T.Silva, E.Nouli, A.C.Carmo-Apolinario, N.P.Xekoukoulotakis and **D.Mantzavinos**, Sonophotocatalytic/H₂O₂ degradation of phenolic compounds in agro-industrial effluents, *Catalysis Today*, **124(3-4)**, (2007), 232-239.
63. C.Fotiadis, N.P.Xekoukoulotakis and **D.Mantzavinos**, Photocatalytic treatment of wastewater from cottonseed processing: effect of operating conditions, aerobic biodegradability and ecotoxicity, *Catalysis Today*, **124(3-4)**, (2007), 247-253.
64. Z.Frontistis, M.Papadaki and **D.Mantzavinos**, Modelling of sonochemical processes in water treatment, *Water Science & Technology*, **55(12)**, (2007), 47-52.
65. A.Antoniadis, I.Poulios, E.Nikolakaki and **D.Mantzavinos**, Sonochemical disinfection of municipal wastewater, *Journal of Hazardous Materials*, **146(3)**, (2007), 492-495.
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