

F. PRESENTATIONS AND INVITED LECTURES (* denotes presenter)

1. D. G. Hadjinikolaou*, D. D. Dionysiou, G. Fountoukides, D. Kekos, B. J. Macris, Simultaneous Production of Superoxide Dismutase and Catalase from *Saccharomyces cerevisiae* grown on acid whey hydrolysate. Poster paper presented at the *6th European Congress on Biotechnology*, June 1993, Florence, Italy.
2. Dionysios D. Dionysiou*, Marina Tsianou* and Gregory D. Botsaris*, Interfacial Crystallization of Calcium Magnesium Acetate (CMA) Deicer, Poster paper presented at the *Symposium of the Center for Environmental Management (CEM)*, November 1993, Tufts University, Medford, Massachusetts.
3. Dionysios D. Dionysiou* and Marina Tsianou, Crystallization of Calcium Magnesium Acetate (CMA) for Environmental Applications, Poster paper presented at the *Student-Faculty Conference on Pollution Prevention*, October 22-23, 1994, MIT, Cambridge, Massachusetts.
4. Dionysios D. Dionysiou*, Marina Tsianou, and Gregory Botsaris, A Process for the Production of Deicing Compositions Comprising Calcium Magnesium Acetate Salts. Poster paper presented at the *AIChE Annual Meeting*. Student Poster Paper Session, paper 170-9S, November 13-18, 1994, San Francisco, California.
5. Marina Tsianou, Dionysios D. Dionysiou, and Gregory D. Botsaris*, An Extractive Crystallization Process for Calcium Magnesium Acetate. Podium presentation at the *AIChE Annual Meeting*, November 1995, Miami, Florida.
6. George Xomeritakis*, Dionysios D. Dionysiou, and Y. S. Lin, Fabrication of Thin Metallic Membranes by MOCVD and Sputtering. Poster paper presented at the *AIChE Annual Meeting*, November 1996, Chicago, Illinois.
7. Dionysios D. Dionysiou*, Ganesh Balasubramanian, Makram T. Suidan, Isabelle Baudin, and Jean-Michel Laîné, TiO₂ Rotating Disk Photocatalytic Reactor: Characterization and Evaluation for the Degradation of Organic Pollutants in Water. Podium presentation at *The 1998 Pan-American Workshop on Commercialization of Advanced Oxidation Technologies*, June 26-30, 1998, London, Ontario, Canada.
8. Dionysios D. Dionysiou*, Ganesh Balasubramanian, Makram T. Suidan, Isabelle Baudin and Jean-Michel Laîné, Photocatalytic Degradation of 4-Chlorobenzoic Acid with UV Radiation and TiO₂ Powders or TiO₂ Composite Ceramic Balls. Poster paper presented at *The 1998 Pan-American Workshop on Commercialization of Advanced Oxidation Technologies*, June 26-30, 1998, London, Ontario, Canada.
9. Dionysios D. Dionysiou*, Ganesh Balasubramanian, Makram T. Suidan, Isabelle Baudin and Jean-Michel Laîné, Thin Film Photocatalytic Reactor for the Destruction of Organic Contaminants in Industrial Wastewater and Drinking Water. Podium presentation at the *AIChE Annual Meeting*, paper 3a, November 15-20, 1998, Miami, Florida.

10. Dionysios D. Dionysiou*, Ganesh Balasubramanian, Makram T. Suidan, and Isabelle Baudin and Jean-Michel Laîné, Rotating Disk Photocatalytic Reactor (RDPR): An Innovative System for the Photocatalytic Degradation of Organic Contaminants in Water. Podium presentation at the *Advanced Seminar Series in Environmental Engineering*, April 30, 1999, University of Cincinnati, Cincinnati, Ohio.
11. Dionysios D. Dionysiou*, Makram T. Suidan, Isabelle Baudin and Jean-Michel Laîné, Photocatalytic Degradation of 4-Chlorobenzoic Acid Using TiO₂ Nanoparticles. Poster paper presented at the *Symposium of Nano-, Micro-, and Mesoscale Technologies in Science and Engineering*, May 13, 1999, University of Cincinnati, Cincinnati, Ohio.
12. Dionysios D. Dionysiou*, Ann M. Kern, Amid P. Khodadoust, Makram T. Suidan, Isabelle Baudin and Jean-Michel Laîné, Rotating Disk Photocatalytic Reactor (RDPR): Continuous Flow Operation for the Degradation of Phenol, Chlorinated Phenols, and Lindane in Water. Podium presentation at *The Fourth International Conference on TiO₂ Photocatalytic Purification and Treatment of Water and Air*, May 23-28, 1999, Albuquerque, New Mexico, USA.
13. Dionysios D. Dionysiou*, Ganesh Balasubramanian, Makram T. Suidan, Evangelia Bekou, Isabelle Baudin and Jean-Michel Laîné, Photocatalytic Treatment of Organic Contaminants in Water Using a Novel TiO₂ Rotating Disk Reactor. Podium presentation at the *Research Symposium: Physical and Chemical Processes, WEFTEC' 99, the 72nd Annual Water Environment Federation (WEF) Conference and Exposition*, October 9-13, 1999, New Orleans, Louisiana.
14. Dionysios D. Dionysiou*, Rotating Disk Photocatalytic Reactor (RDPR): Development, Characterization, and Evaluation for the Degradation of Organic Contaminants in Water. Invited Podium presentation at *the Special Seminar Series in Environmental Engineering*, February 24, 2000, University of Cincinnati, Cincinnati, Ohio.
15. Dionysios D. Dionysiou*, Makram T. Suidan, Isabelle Baudin and Jean-Michel Laîné, Rotating Disk Photocatalytic Reactor: Influence of Mass Transfer and Incident Light Intensity on the Degradation Rates. Podium presentation at the *219th National Meeting of American Chemical Society (ACS), Division of Ind. & Eng. Chem., paper 292*, March 26-30, 2000, San Francisco.
16. Dionysios D. Dionysiou*, Makram T. Suidan, Isabelle Baudin and Jean-Michel Laîné, Rotating Disk Photocatalytic Reactor: Influence of Electron Acceptors on the Degradation Efficiency of Organic Compounds in Water. Podium presentation at *The Fifth International Conference on TiO₂ Photocatalytic Purification and Treatment of Water and Air*, June 26-30, 2000, London, Ontario, Canada.
17. Arturo A. Burbano*, Dionysios D. Dionysiou, Teri L. Richardson, and Makram T. Suidan, Mechanistic Studies for the Treatment of MTBE-Contaminated Water in situ using the Fenton's Reagent. Poster paper presented at *The Sixth International Conference on*

Advanced Oxidation Technologies for Water and Air Remediation, June 26-30, 2000, London, Ontario, Canada.

18. Dionysios D. Dionysiou*, Makram T. Suidan, Isabelle Baudin, Jean-Michel Laîné, and Tiehong L. Huang, TiO₂-Assisted Photocatalytic Degradation of 4-Chlorobenzoic Acid in Water: Effect of Type of Catalyst, Catalyst Loading, Initial Contaminant Concentration, and Solution Characteristics. Podium presentation at the *1st World Water Congress of the International Water Association (IWA)*, July 3-7, 2000, Paris, France.
19. Arturo A. Burbano*, Dionysios D. Dionysiou, Teri L. Richardson and Makram T. Suidan, Treatment of MTBE-Contaminated Water Using the Fenton's Reagent. Poster presentation at *The 2nd Annual Graduate Student Research/Scholarship Forum at the University of Cincinnati*, March 2-3, 2001, Cincinnati, Ohio.
20. Dionysios D. Dionysiou*, Makram T. Suidan, Isabelle Baudin, and Jean-Michel Laîné, Degradation of Organic Contaminants in Drinking Water and Wastewater Using a Rotating Disk Photocatalytic Reactor: Factors Affecting Interfacial Transport, Adsorption and Reaction, Podium presentation at the *221st ACS National Meeting*, April 1-5, 2001, San Diego, California.
21. Dionysios D. Dionysiou*, Makram T. Suidan, Isabelle Baudin, and Jean-Michel Laîné, Rotating Disk Photocatalytic Reactor (RDPR): Fundamental and Applied Studies for its Development and Evaluation for the Destruction of Recalcitrant Organic Contaminants in Water, Podium presentation at *The First International Congress on Ultraviolet Technologies*, June 14-16, 2001, Washington, D.C.
22. Dionysios D. Dionysiou*, Arturo A. Burbano, Makram T. Suidan, George P. Anipsitakis, Isabelle Baudin, and Jean-Michel Laîné, The Role of Hydrogen Peroxide as a Supplemental Electron Acceptor on the Photocatalytic Degradation of Methyl *tert*-Butyl Ether (MTBE) and Other Persistent Organic Contaminants in Drinking Water: The Ranges of Synergism and Inhibition, Podium presentation at the *AWWA Annual Conference*, June 17-21, 2001, Washington, D.C.
23. Dionysios D. Dionysiou*, Rotating Disk Photocatalytic Reactor: Development, Characterization, and Evaluation for the Destruction of Recalcitrant Organic Contaminants in Water. Podium presentation at *the 75th Annual Conference of Ohio Water Environment Association (OWEA)*, Dayton, Ohio, June 25-28, 2001.
24. Arturo A. Burbano*, George P. Anipsitakis, Dionysios D. Dionysiou, Teri L. Richardson and Makram T. Suidan, Treatment of MTBE-Contaminated Water: Studies on MTBE Mineralization using the Fenton's Reagent. Podium Presentation at *The 7th International Conference on Advanced Oxidation Technologies for the Treatment of Water and Air (AOT-7)*, June 25-29, 2001, Niagara Falls, Ontario, Canada.
25. Arturo A. Burbano*, Dionysios D. Dionysiou, Makram T. Suidan, Isabelle Baudin and Jean Michel Laîné. Development of Highly Active, Mechanically-Stable Thin Films of TiO₂

- Nanocatalyst Immobilized on Stainless Steel: Performance Evaluation Using a Rotating Disk Photocatalytic Reactor (RDPR). Poster Presentation at the *6th International Conference on TiO₂ Photocatalytic Purification and Treatment of Water and Air (TiO₂-6)*, June 25-29, 2001, Niagara Falls, Ontario, Canada.
26. Dionysios D. Dionysiou* and Makram T. Suidan, Oxidation of Organic Contaminants Using a Thin-Film Rotating Disk Photocatalytic Reactor (RDPR): Effect of Oxygen Concentration in the Gas Phase and Influence of Oxygen Mass Transport in the Liquid Film. Podium Presentation at the *Symposium of Environmental Chemistry Awards, the 222nd ACS National Meeting*, paper 89, August 26-30, 2001, Chicago, Illinois.
 27. Arturo A. Burbano*, Dionysios D. Dionysiou, Teri L. Richardson and Makram T. Suidan, Remediation of MTBE-Contaminated Water: Studies on the Degradation of MTBE Intermediates Using the Fenton's Reagent. Podium Presentation at the Symposium "Remediation of Water and Soil Contaminated with Gasoline Oxygenates: In-situ and Ex-situ Treatment Technologies", *Environmental Chemistry Division, the 222nd ACS National Meeting*, paper 29, August 26-30, 2001, Chicago, Illinois.
 28. Dionysios D. Dionysiou*, *The Role of Hydrogen Peroxide as a Supplemental Electron Acceptor on the Photocatalytic Destruction of the Gasoline Oxygenate Methyl tert-Butyl Ether (MTBE) and Other Persistent Organic Pesticides in Drinking Water: The Ranges of Synergism and Inhibition*, Podium Presentation at *The 2001 Annual Conference of Ohio American Water Works Association (OAWWA)*, Cleveland, Ohio, August 28-31, 2001.
 29. Arturo A. Burbano*, Dionysios D. Dionysiou, Teri L. Richardson, and Makram T. Suidan, Treatment of MTBE-Contaminated Water Using the Fenton's Reagent. Podium Presentation at *The 2001 Annual Conference of Ohio American Water Works Association (OAWWA)*, Cleveland, Ohio, August 28-31, 2001.
 30. Arturo A. Burbano*, Dionysios D. Dionysiou, Teri L. Richardson, and Makram T. Suidan, Treatment of MTBE-Contaminated Water Using the Fenton's Reagent, Podium presentation at the *WEFTEC' 2001, the 74th Annual Water Environment Federation (WEF) Conference and Exposition*, October 13-17, 2001, Atlanta, Georgia.
 31. George P. Anipsitakis* and Dionysios D. Dionysiou, Degradation of Chloroaromatics in Water with Transition Metal-Catalyzed Chemical Oxidation. Poster presentation at *The 3rd Annual Graduate Student Research/Scholarship Forum at The University of Cincinnati*, February 15, 2002, Cincinnati, Ohio.
 32. Qiaolin Yang* and Dionysios D. Dionysiou, The role of Hydrophobic Room Temperature Ionic Liquids as *Green Solvents* for Extraction and *In-situ* Destruction of Chloroaromatic Hydrocarbons Using Advanced Oxidation Technologies. Poster presentation at *The 3rd Annual Graduate Student Research/Scholarship Forum at the University of Cincinnati*, February 15, 2002, Cincinnati, Ohio.

33. Arturo A. Burbano* and Dionysios D. Dionysiou, Development of Highly-Active, Mechanically Stable Thin Films of TiO₂ Nanocatalyst Immobilized on Stainless Steel: Performance Evaluation Using a Rotating Disk Photocatalytic Reactor (RDPR), Poster presentation at *The 3rd Annual Graduate Student Research/Scholarship Forum at The University of Cincinnati*, February 15, 2002, Cincinnati, Ohio.
34. Arturo A. Burbano*, Dionysios D. Dionysiou, Teri L. Richardson and Makram T. Suidan, Studies on the Remediation of MTBE-Contaminated Water Using the Fenton's Reagent. Podium presentation at the *International World Water Congress (IWA)*, April 7-12, 2002, Melbourne, Australia.
35. Arturo A. Burbano*, Dionysios D. Dionysiou, Makram T. Suidan, Isabelle Baudin and Jean Michel Laine, Performance Evaluation of Highly-Active, Mechanically Stable Thin Films of TiO₂ Nanocatalyst Immobilized on Stainless Steel: Influence of Selected Process Conditions Using a Rotating Disk Photocatalytic Reactor, Poster Presentation at the *International World Water Congress (IWA)*, April 7-12, 2002, Melbourne, Australia.
36. George P. Anipsitakis* and Dionysios D. Dionysiou, Degradation of Organic Contaminants in Water and Wastewater with Transition Metal-Catalyzed Chemical Oxidation, Poster Presentation at the *General Session of the Division of Environmental Chemistry, paper 122, 223rd ACS National Meeting*, April 7-11, 2002, Orlando, Florida.
37. Arturo A. Burbano, Dionysios D. Dionysiou*, Teri L. Richardson and Makram T. Suidan, MTBE Degradation Using the Fenton's Reagent: The Effect of Ferrous and Ferric Iron Mixtures on the Efficiency of the Overall Reaction. Poster Presentation at the *General Session of the Division of Environmental Chemistry, paper 123, 223rd ACS National Meeting*, April 7-11, 2002, Orlando, Florida.
38. Evangelia Bekou, Qiaolin Yang and Dionysios D. Dionysiou*, Quantification of Chlorinated Phenols in Hydrophobic Room Temperature Ionic Liquids Using HPLC, Poster Presentation, *Division of Analytical Chemistry, paper 121, the 223rd ACS National Meeting*, April 7-11, 2002, Orlando, Florida.
39. George P. Anipsitakis* and Dionysios D. Dionysiou, Degradation of Organic Contaminants in Water and Wastewater with Transition Metal-Catalyzed Chemical Oxidation, *Poster Presentation at the SCI-MIX Session of the 223rd ACS National Meeting*, April 7-11, 2002, Orlando, Florida.
40. Arturo A. Burbano, Dionysios D. Dionysiou*, Teri L. Richardson and Makram T. Suidan, MTBE Degradation Using the Fenton's Reagent: The Effect of Ferrous and Ferric Iron Mixtures on the Efficiency of the Overall Reaction. *Poster Presentation at the SCI-MIX Session of the 223rd ACS National Meeting*, April 7-11, 2002, Orlando, Florida.
41. Evangelia Bekou, Qiaolin Yang and Dionysios D. Dionysiou*, Quantification of Chlorinated Phenols in Hydrophobic Room Temperature Ionic Liquids Using HPLC,

Poster Presentation at the SCI-MIX Session of the 223rd ACS National Meeting, April 7-11, 2002, Orlando, Florida.

42. Ganesh Balasubramanian, Arturo A. Burbano, Dionysios D. Dionysiou* and Makram T. Suidan, Development of Highly-Active, Mechanically-Stable Thin Films of TiO₂ Nanocatalyst Immobilized on Stainless Steel, Poster Presentation at the *Division of Colloid and Surface Chemistry, Session: Chemistry and the Environment in the 21st Century: Environmental Catalysis, paper 136, the 223rd ACS National Meeting, April 7-11, 2002, Orlando, Florida.*
43. Dionysios D. Dionysiou*, Photocatalytic Degradation of Organic Contaminants Using a Rotating Disk Photocatalytic Reactor. Podium presentation at the *Chemical Engineering Seminar Series, University of Cincinnati, May 9, 2002.*
44. Evangelia Bekou* and Dionysios D. Dionysiou, Extraction of Organic Contaminants from Water Using Room Temperature Water-Immiscible Ionic Liquids, Podium Presentation at the *Environmental Engineering and Science Series, University of Cincinnati, Cincinnati, May 24, 2002.*
45. Qiaolin Yang* and Dionysios D. Dionysiou, Use of Water Immiscible Room Temperature Ionic Liquids for Extraction and *In-situ* Destruction of Chlorinated Aromatics, Podium Presentation at the *76th Annual Ohio Water Environment Association (OWEA) Conference, Dayton, Ohio, June 27, 2002.*
46. Qiaolin Yang, Evangelia Bekou, Dionysios D. Dionysiou*, Ru-Ying Qian, and Gregory D. Botsaris, Liquid-Liquid Extraction and *In Situ* Degradation of Chlorinated Aromatics in Room Temperature Ionic Liquids Using Advanced Oxidation Technologies, Podium Presentation at the *224th ACS National Meeting, Session: Ionic Liquids as Green Solvents-Progress and Prospects-Separations, August 18-22, 2002, Boston, Massachusetts.*
47. Ganesh Balasubramanian*, Dionysios D. Dionysiou and Makram T. Suidan, Development of Highly-Active, Mechanically-Stable Thin Films of TiO₂ Nanocatalyst Immobilized on Stainless Steel. Podium Presentation at the *224th ACS National Meeting, Session: August 18-22, 2002, Boston, Massachusetts.*
48. Arturo A. Burbano*, Dionysios D. Dionysiou and Makram T. Suidan, Influence of Oxidant Concentration and Process Configuration on the Remediation of MTBE-Contaminated Water Using the Fenton's Reagent, OAWWA Annual Student Award Podium Presentation at the *American Water Works Association 2002 Ohio Section Conference (OAWWA), September 16-19, 2002, Columbus, Ohio.*
49. George P. Anipsitakis* and Dionysios D. Dionysiou, Development of a Highly Efficient Transition Metal-Mediated Chemical Oxidation Process for the Degradation of Recalcitrant Organic Contaminants in Water, OAWWA Annual Student Award Podium Presentation at the *American Water Works Association 2002 Ohio Section Conference (OAWWA), September 16-19, 2002, Columbus, Ohio.*

50. George P. Anipsitakis* and Dionysios D. Dionysiou, Destruction of Persistent Organic Contaminants in Water with a Novel and Highly Efficient Oxidizing Reagent. Poster Presentation at the 34th *Mid-Atlantic Industrial & Hazardous Waste Conference*, September 20-21, 2002, New Brunswick, New Jersey.
51. Qiaolin Yang* and Dionysios D. Dionysiou, Application of Water-Immiscible Room Temperature Ionic Liquids in Extraction and *in-situ* Photolytic Degradation of Chlorophenols. Poster Presentation at the 34th *Mid-Atlantic Industrial & Hazardous Waste Conference*, September 20-21, 2002, New Brunswick, New Jersey.
52. Arturo A. Burbano*, Dionysios D. Dionysiou, Teri L. Richardson, and Makram T. Suidan, Treatment of MTBE-Contaminated Water Using the Fenton's Reagent, Poster Presentation, *WEFTEC' 2002, the 75th Annual Water Environment Federation (WEF) Conference and Exposition*, September 28-October 2, 2002, Chicago, Illinois.
53. George P. Anipsitakis* and Dionysios D. Dionysiou, Development of a More Efficient Transition-Metal Based Chemical Oxidant Than the Fenton's Reagent for the Degradation of Chloroaromatics, Podium Presentation, *WEFTEC' 2002, the 75th Annual Water Environment Federation (WEF) Conference and Exposition*, September 28-October 2, 2002, Chicago, Illinois.
54. Qiaolin Yang and Dionysios D. Dionysiou*, Degradation of Organic Contaminants in Room Temperature Ionic Liquids Using Advanced Oxidation Technologies, Podium Presentation at the *AIChE 2002 Annual Meeting, Session: Reactions in Benign Solvents*, November 3-8, Indianapolis, Indiana.
55. George P. Anipsitakis* and Dionysios D. Dionysiou, Destruction of Chlorinated Aromatics in Water with Sulfate Radicals- An Alternative Oxidizing System Based on the Fenton's Reagent Chemistry. Podium Presentation at *The 8th International Conference on Advanced Oxidation Technologies for Water and Air Remediation (AOTs-8)*, November 17-22, 2002, Toronto, Ontario, Canada.
56. Arturo A. Burbano*, Dionysios D. Dionysiou and Makram T. Suidan, MTBE Oxidation Using Fenton's Reagent: Effect of Humic Substances-Based Iron Chelates at Neutral pH. Podium Presentation at *The 8th International Conference on Advanced Oxidation Technologies for Water and Air Remediation (AOTs-8)*, November 17-22, 2002, Toronto, Ontario, Canada.
57. Qiaolin Yang and Dionysios D. Dionysiou*, *In-situ* Destruction of Chlorinated Aromatics in Water-Immiscible Room Temperature Ionic Liquids Using Advanced Oxidation Technologies. Podium Presentation at *The 8th International Conference on Advanced Oxidation Technologies for Water and Air Remediation (AOTs-8)*, November 17-22, 2002, Toronto, Ontario, Canada.

58. Dionysios D. Dionysiou*, Advanced Oxidation Technologies in Water and Air Purification, Invited Lecture, Department of Chemical and Environmental Engineering, December 13, 2002, Toledo University, Toledo, Ohio.
59. George P. Anipsitakis* and Dionysios D. Dionysiou, Water Purification with Chemical Oxidation, Poster Presentation at the 2003 UC Engineering Graduate Studies Fair, February 11, 2003, Engineering Research Center, University of Cincinnati.
60. Qianrui Wang* and Dionysios D. Dionysiou, Mercury Pollution in Aquatic Systems, Podium Presentation at the Advanced Seminar in Environmental Engineering, February 21, 2003, Dept. of Civil & Environmental Engineering, University of Cincinnati.
61. George P. Anipsitakis* and Dionysios D. Dionysiou, Novel Chemical Oxidation Process for Water Purification, Poster Presentation at the 2003 Graduate Student Research/Scholarship Forum of the University of Cincinnati, March 7, 2003, Cincinnati, Ohio.
62. Qianrui Wang*, Daekeun Kim, George A. Sorial, and Dionysios D. Dionysiou, Mercury Pollution in Natural Waters, Poster Presentation at the 2003 Graduate Student Research/Scholarship Forum of the University of Cincinnati, March 7, 2003, Cincinnati, Ohio.
63. George P. Anipsitakis* and Dionysios D. Dionysiou, Alternative Oxidizing Systems for Water Decontamination based on the Fenton Reagent-Radical Generation through the Coupling of Transition Metals with Oxidants, Podium Presentation at the Advanced Seminar in Environmental Engineering, April 4, 2003, Dept. of Civil & Environmental Engineering, University of Cincinnati.
64. Qiaolin Yang and Dionysios D. Dionysiou*, Photolytic Degradation of Organic Contaminants in Room Temperature Ionic Liquids-Solvent Regeneration and Reuse, Poster Presentation at the *Green Engineering: Defining the Principles* conference, May 18-22, 2003, Sandestin, Florida.
65. Yongjun Chen, Ganesh Balasubramanian, Arturo Burbano, and Dionysios D. Dionysiou*, Preparation of Novel Titanium Dioxide Coatings for the Development of Sustainable Photocatalytic Reactors, Poster Presentation at the *Green Engineering: Defining the Principles* conference, May 18-22, 2003, Sandestin, Florida.
66. Dionysios D. Dionysiou*, The Role of Advanced Oxidation Technologies in Water Treatment-New Environmental Paradigms, Invited Lecture, Department of Civil and Environmental Engineering, University of Cyprus, June 26, 2003, Nicosia, Cyprus.
67. George P. Anipsitakis* and Dionysios D. Dionysiou, Activation of Common Oxidants by Transition Metals for Water Decontamination, Oral Presentation at the *Division of Environmental Chemistry, 226th ACS National Meeting*, September 7-11, 2003, New York.

68. Qianrui Wang*, Daekeum Kim, Dionysios D. Dionysiou, George A. Sorial, and Dennis Timberlake, Mercury Pollution in Natural Waters, Poster Presentation at the 226th ACS National Meeting, September 7-11, 2003, New York.
69. Qiaolin Yang* and Dionysios D. Dionysiou, Photolytic Destruction of Organic Compounds in Room Temperature Ionic Liquids, Oral Presentation at the *Division of Industrial and Engineering Chemistry*, 226th ACS National Meeting, September 7-11, 2003, New York.
70. Yongjun Chen, George P. Anipsitakis and Dionysios D. Dionysiou*, Green Implications of Advanced Oxidation Technologies in the Treatment of Contaminated Water. A Case Study - TiO₂ Photocatalytic Degradation of Organic Contaminants Using Anatase/Rutile Mixed Oxide Phases, Oral Presentation at the *Division of Industrial and Engineering Chemistry*, 226th ACS National Meeting, September 7-11, 2003, New York.
71. Yongjun Chen* and Dionysios D. Dionysiou, Development of High Performance TiO₂ Photocatalytic Coatings for Water Purification, Poster Presentation at the 65th Annual Ohio Section American Works Association Conference, Cincinnati, Ohio, September 22-26, 2003.
72. George P. Anipsitakis* and Dionysios D. Dionysiou, Securing Water Quality with Advanced Oxidation Technologies, Poster Presentation at the 65th Annual Ohio Section American Works Association Conference, Cincinnati, Ohio, September 22-26, 2003.
73. Dionysios D. Dionysiou* and George P. Anipsitakis, Role of UV-Based Advanced Oxidation Technologies for Water Treatment and Their Potential to Assist in Issues Dealing with Homeland Security, Oral Presentation at the 65th Annual Ohio Section American Works Association Conference, Cincinnati, Ohio, September 22-26, 2003.
74. George P. Anipsitakis, Lauren N. Ford, and Dionysios D. Dionysiou*, Interaction of Transition Metals with Oxidants for Radical Generation and Water Decontamination. Oral Presentation at the *9th International Conference on Advanced Oxidation Technologies for Water and Air Remediation (AOTs-9)*, October 25-30, 2003, Montreal, Quebec, Canada.
75. Arturo A. Burbano, Dionysios D. Dionysiou*, and Makram T. Suidan, Influence of Oxidant Concentration on the Remediation of MTBE-Contaminated Water Using Fenton Reagent. Poster Presentation at the *9th International Conference on Advanced Oxidation Technologies for Water and Air Remediation (AOTs-9)*, October 25-30, 2003, Montreal, Quebec, Canada.
76. Qiaolin Yang and Dionysios D. Dionysiou*, UV-based Photolytic Destruction of Chlorinated Phenols and Polycyclic Aromatic Hydrocarbons in Room Temperature Ionic Liquids. Poster Presentation at the *9th International Conference on Advanced Oxidation Technologies for Water and Air Remediation (AOTs-9)*, October 25-30, 2003, Montreal, Quebec, Canada.

77. Yongjun Chen and Dionysios D. Dionysiou*, Preparation of Super-Hydrophilic TiO₂ Coatings with Enhanced Photocatalytic Activity and Good Mechanical Stability for Water Purification. Oral Presentation at *the 8th International Conference on TiO₂ Photocatalysis: Fundamentals and Applications (TiO₂-8)*, October 25-30, 2003, Montreal, Quebec, Canada.
78. Yongjun Chen* and Dionysios D. Dionysiou, Development of Novel Photocatalytic Coatings for Air and Water Purification and Disinfection. Poster Presentation at the Conference *Ultraviolet Treatment of Air*, International Ultraviolet Association, Chicago, Illinois, November 6, 2003.
79. Hyeok Choi*, Maria Antoniou, and Dionysios D. Dionysiou, The Potential of UV/TiO₂ Photocatalysis for the Destruction of Toxins in Air and Water and its Implications as a “Green” Remediation Technology, Poster Presentation at the Conference *Ultraviolet Treatment of Air*, International Ultraviolet Association, Chicago, Illinois, November 6, 2003.
80. Yongjun Chen and Dionysios D. Dionysiou*, Development of High Performance TiO₂ Photocatalytic Coatings for the Purification, Disinfection, and Recycle of Water and Air in Space Applications, Poster Presentation at the *Habitation 2004-International Conference on Space Habitation Research and Technology Development*, January 4-7, 2004, Orlando, Florida.
81. Rachel C. Copeland*, Dionysios D. Dionysiou, and Darren Lytle, Arsenic Desorption from Distribution System Solids, Poster Presentation at the 2004 Graduate Student Research/Scholarship Forum of the University of Cincinnati, March 12, 2004, Cincinnati, Ohio.
82. Maria G. Antoniou* and Dionysios D. Dionysiou, Applications of Advanced Oxidation Technologies in Water Purification: Removal of Microbial and Industrial Toxins, Poster Presentation at the 2004 Graduate Student Research/Scholarship Forum of the University of Cincinnati, March 12, 2004, Cincinnati, Ohio.
83. Hyeok Choi* and Dionysios D. Dionysiou, Fabrication of Nanoporous and Ultra-Thin TiO₂ Photocatalytic Membranes Using Surfactant-Based Self-Assembling Sol-Gel Method, Poster Presentation at the 2004 Graduate Student Research/Scholarship Forum of the University of Cincinnati, March 12, 2004, Cincinnati, Ohio.
84. Kai Zhang*, Hyeok Choi, Dionysios D. Dionysiou, George A. Sorial and Daniel B. Oerther, Examining the Initiation of Biofouling in Membrane Bioreactors for Wastewater Treatment, Poster Presentation at the 2004 Graduate Student Research/Scholarship Forum of the University of Cincinnati, March 12, 2004, Cincinnati, Ohio.
85. Yongjun Chen* and Dionysios D. Dionysiou, Study of the Preparation Parameters on the Photocatalytic Activity of TiO₂ Powder Films Immobilized on Stainless Steel, Poster Presentation at the 2004 Graduate Student Research/Scholarship Forum of the University of Cincinnati, March 12, 2004, Cincinnati, Ohio.

86. Yongjun Chen and Dionysios D. Dionysiou*, Role of Process Conditions on the Properties of Immobilized TiO₂ Films on Stainless Steel Prepared Using Combined Alkoxide Sol-gel and Colloidal Suspension Preparation Methods, Oral Presentation at the Symposium *Nanoscience and Nanotechnology, Division of Colloid and Surface Chemistry, 227th ACS National Meeting*, March 28-April 1, 2004, Anaheim, California.
87. Kyesang Yoo, Hyeok Choi, Yongjun Chen, and Dionysios D. Dionysiou*, Environmental Implications of TiO₂ Nanostructured Materials Prepared by Sol-gel Methods and Other Wet Chemistry Procedures, Oral Presentation at the Symposium *Nanotechnology and the Environment: Nano-Catalysis for Environmental Technologies, Division of Industrial and Engineering Chemistry, 227th ACS National Meeting*, March 28-April 1, 2004, Anaheim, California.
88. Dionysios D. Dionysiou*, TiO₂ as an Efficient Semiconductor Catalyst for Environmental Applications, Department of Electrical, Computer Engineering and Computer Science, Invited Lecture, University of Cincinnati, Cincinnati, Ohio, May 7, 2004.
89. Hyeok Choi*, Kai Zhang, Dionysios D. Dionysiou, Daniel B. Oerther and George A. Sorial, Membrane Filtration Performance with Activated Sludge of Continuous Stirred-Tank Reactor and Plug Flow Reactor for the Treatment of Paper Mill Wastewater: Membrane Fouling, Oral Presentation, *International Water Association Specialty Conference on Water Environment-Membrane Technology*, June 2004, Seoul, Korea.
90. Hyeok Choi*, Kyesang Yoo, and Dionysios D. Dionysiou, TiO₂ Nanoparticles and Films for the Fabrication of Photocatalytic Membranes Using Ionic Liquid- and Surfactant-based Self Assembling Sol-Gel Methods, Poster Presentation, *The Eighth International Conference on Inorganic Membranes*, July, 2004, Cincinnati, Ohio.
91. George P. Anipsitakis* and Dionysios D. Dionysiou, UV/Transition Metal-mediated Activation of Common Oxidants in Water, Oral Presentation at the Symposium *Environmental Chemistry Awards, Division of Environmental Chemistry, 228th ACS National Meeting*, August 22-26, 2004, Philadelphia, Pennsylvania, *paper 139*.
92. Yongjun Chen and Dionysios D. Dionysiou*, Immobilized TiO₂ Powder Films on Stainless Steel Prepared Using Combined Alkoxide Sol-Gel and Colloidal Suspension Preparation Methods II: The Role of Calcination Temperature, Oral Presentation at the Symposium *Oxidation and Reduction Technologies for Water Treatment, Division of Environmental Chemistry, 228th ACS National Meeting*, August 22-26, 2004, Philadelphia, Pennsylvania, *paper 9*.
93. Hyeok Choi* and Dionysios D. Dionysiou, Preparation of Anatase Nanostructured TiO₂ Particles using Surfactant-assisted Sol-Gel Methods, Poster Presentation, *Division of Environmental Chemistry, 228th ACS National Meeting*, August 22-26, 2004, Philadelphia, Pennsylvania, *paper 240*.

94. Yongjun Chen* and Dionysios D. Dionysiou, Strategy for Preparing High Performance TiO₂ Photocatalytic Films Immobilized on Stainless Steel Substrate for Water Purification, Poster Presentation, *Division of Environmental Chemistry, 228th ACS National Meeting*, August 22-26, 2004, Philadelphia, Pennsylvania, *paper 241*.
95. Yongjun Chen* and Dionysios D. Dionysiou, Strategy for Preparing High Performance TiO₂ Photocatalytic Films Immobilized on Stainless Steel Substrate for Water Purification, Poster Presentation, *SCI-MIX Session of the 228th ACS National Meeting*, August 22-26, 2004, Philadelphia, Pennsylvania, *paper 241*.
96. Maria G. Antoniou* and Dionysios D. Dionysiou, Advanced Oxidation Technologies for the Treatment of Water Contaminated with Cyanobacterial Toxins, Invited Oral Presentation, *The 2004 Annual Conference of Ohio American Water Works Association (OAWWA)*, Toledo, Ohio, September 14-17, 2004.
97. Yongjun Chen* and Dionysios Dionysiou, Design and Synthesis of Immobilized TiO₂ Photocatalytic Films with Enhanced Photocatalytic Activity and Good Mechanical Stability for Water Purification, Oral Presentation, Student Paper Competition, *The 2004 Annual Conference of Ohio American Water Works Association (OAWWA)*, Toledo, Ohio, September 14-17, 2004.
98. Rachel C. Copeland*, Darren Lytle and Dionysios Dionysiou, Arsenic Desorption from Distribution System Solids, Poster Presentation, Student Poster Competition, *The 2004 Annual Conference of Ohio American Water Works Association (OAWWA)*, Toledo, Ohio, September 14-17, 2004.
99. George P. Anipsitakis* and Dionysios D. Dionysiou, Effect of UV and Transition Metals for the Activation of Oxidants in Water, Oral Presentation, *WEFTEC' 2004, the 77th Annual Water Environment Federation (WEF) Conference and Exposition*, October 2-6, 2004, Ernest N. Morial Convention Center, New Orleans, Louisiana.
100. Kai Zhang*, Hyeok Choi, George A. Sorial, Dionysios D. Dionysiou and Daniel B. Oerther, Examining the Initiation of Biofouling in Membrane Bioreactors Treating Pulp and Paper Wastewater, Oral Presentation at *WEFTEC' 2004, the 77th Annual Water Environment Federation (WEF) Conference and Exposition*, October 2-6, 2004, Ernest N. Morial Convention Center, New Orleans, Louisiana.
101. George P. Anipsitakis* and Dionysios D. Dionysiou, Activation of Oxone, Potassium Persulfate, and Hydrogen Peroxide Using UV and Transition Metals. Oral Presentation at *the 10th International Conference on Advanced Oxidation Technologies for Water and Air Remediation (AOTs-10)*, October 24-28, 2004, San Diego, California.
102. Yongjun Chen, Maria G. Antoniou and Dionysios D. Dionysiou*, Immobilization of nano-TiO₂ Photocatalytic Films on Stainless Steel with Enhanced Photocatalytic Activity and Good Mechanical Properties for Water Purification. Oral Presentation at *the 9th*

- International Conference on TiO₂ Photocatalysis: Fundamentals and Applications (TiO₂-9)*, October 24-28, 2004, San Diego, California.
103. Maria G. Antoniou and Dionysios D. Dionysiou*, Advanced Water Purification: Towards Meeting NASA's Advanced Life Support Requirements. Poster Presentation at *the 9th International Conference on TiO₂ Photocatalysis: Fundamentals and Applications (TiO₂-9)*, October 24-28, 2004, San Diego, California.
 104. Hyeok Choi and Dionysios D. Dionysiou*, Preparation of Nanostructured TiO₂ Photocatalysts Using Surfactant-Assisted Sol-Gel Method for Environmental Applications. Poster Presentation at *the 9th International Conference on TiO₂ Photocatalysis: Fundamentals and Applications (TiO₂-9)*, October 24-28, 2004, San Diego, California.
 105. Rachel C. Copeland*, Darren Lytle and Dionysios D. Dionysiou, Arsenic Desorption from Drinking Water Distribution System Solids. Oral Presentation at *The 1st International Conference on Environmental Science and Technology*, January 23-26, 2005, New Orleans, Louisiana.
 106. Hyeok Choi* and Dionysios D. Dionysiou, A New Approach to Mesoporous Nanocrystalline Titania from Sol-Gel Method Modified with Surfactant and Ionic Liquid. Submitted for Poster Presentation at the *2005 Graduate Student Research/Scholarship Forum of the University of Cincinnati*, March 4, 2005, Cincinnati, OH.
 107. Hyeok Choi and Dionysios D. Dionysiou*, Preparation of Nanocrystalline TiO₂ Particles, Films and Membranes Using Ionic Liquids and Surfactant-Assisted Sol-Gel Methods. Invited Oral Presentation at the *Symposium on Nanotechnology and the Environment: Treatment/Remediation Using Nanotechnology, Division of Industrial and Engineering Chemistry, 229th American Chemical Society National Meeting (ACS)*, March 13-17, 2005, San Diego, California.
 108. Yongjun Chen and Dionysios D. Dionysiou*, Immobilization of Transparent nano-TiO₂ Photocatalytic Films on Stainless Steel for Water Purification. Poster Presentation at the *Symposium on Nanotechnology and the Environment: Treatment/Remediation Using Nanotechnology, Division of Industrial and Engineering Chemistry, 229th American Chemical Society National Meeting (ACS)*, March 13-17, 2005, San Diego, California.
 109. Maria G. Antoniou, Yongjun Chen, and Dionysios D. Dionysiou*, Treatment of Space Wastewater Contaminants Using Highly Active TiO₂ Films Prepared with Sol-Gel Methods. Poster Presentation at the *Symposium on Nanotechnology and the Environment: Treatment/Remediation Using Nanotechnology, Division of Industrial and Engineering Chemistry, 229th American Chemical Society National Meeting (ACS)*, March 13-17, 2005, San Diego, California.
 110. Shirish Agarwal*, Souhail R. Al-Abed and Dionysios D. Dionysiou, Studies on Adsorption of 2-Chlorobiphenyl on Sediments and Sediment Components. Poster

- Presentation and Sci-Mix, Division of Environmental Chemistry, paper 110, *229th American Chemical Society National Meeting (ACS)*, March 13-17, 2005, San Diego, California.
111. Dionysios D. Dionysiou*, Exploring Room Temperature Ionic Liquids in Environmental Applications, Invited Presentation in the *Symposium in Honor of Professor Gregory Botsaris*, May 7, Tufts University, Medford, Massachusetts.
 112. Brian J. Yates*, Elizabeth Myre*, Daniel Breetz*, Julia E. Sowash and Dionysios D. Dionysiou, Poster Presentation-Competition, U.S. E.P.A. Conference for Student Design Projects Highlighting People, Prosperity and the Planet (P3), May 14-16, 2005, Washington, D.C.
 113. Hyeok Choi*, Elias Stathatos and Dionysios D. Dionysiou, Preparation of Nanostructured TiO₂ Photocatalytic Films and Membranes Using Sol-Gel Methods Modified with Surfactants. Invited Oral Presentation at the *19th North American Catalysis Society Meeting (NAM)*, May 22-27, 2005, Philadelphia, Pennsylvania.
 114. Rachel C. Copeland*, Darren Lytle and Dionysios D. Dionysiou, Arsenic Desorption from Drinking Water Distribution Systems and Iron-Based Column Media, Oral Presentation at *The 2005 AWWA Annual Conference and Exhibition*, June 12-15, 2005, San Francisco, California.
 115. Yongjun Chen and Dionysios D. Dionysiou*, High Performance TiO₂ Photocatalytic Coatings and Reactors for the Purification, Disinfection and Recycle of Water in Space Applications. Oral Presentation, *35th International Conference on Environmental System (ICES) and the 8th European Symposium on Space Environmental Control Systems (ESSECS)*, July 11-14, 2005, Rome, Italy.
 116. Hyeok Choi and Dionysios D. Dionysiou*, Preparation of Nanostructured Photocatalytic TiO₂ Films and Membranes Using Sol-Gel Methods Modified with Surfactant Micelles for Wastewater Treatment and Reuse in Space. Oral Presentation at the *35th International Conference on Environmental System (ICES) and the 8th European Symposium on Space Environmental Control Systems (ESSECS)*, July 11-14, 2005, Rome, Italy.
 117. Dionysios D. Dionysiou*, Exploring Room Temperature Ionic Liquids and other Environmentally Friendly Solvents for the Regeneration of Three-Way Catalytic Converters, Oral Presentation at the *Workshop on the Regeneration of Automotive Three-Way Catalytic Converters*, July 27, Department of Chemistry, University of Cyprus, Nicosia, Cyprus.
 118. Erick R. Bandala, Roberto C. Moreno*, Ernesto Juárez, Pierrick Girard, and Dionysios D. Dionysiou, Solar Driven TiO₂ Photocatalytic Disinfection of Water Using a Low Radiative Solar Collector. Oral Presentation in the *ISES 2005 Solar World Congress*, August 6-12, Orlando, Florida, USA.

119. Hyeok Choi, Anna C. Sofranko, and Dionysios D. Dionysiou*, Self-assembling and Template-based Sol-gel Methods for the Synthesis of Nanocrystalline TiO₂, Oral Presentation, Division of Environmental Chemistry, *Symposium on Environmental Nanotechnology*, paper 60, 330th American Chemical Society National Meeting (ACS), August 28-Sep. 1, 2005, Washington DC.
120. Y. Liu*, H. Choi, D. D. Dionysiou and G. V. Lowry, Particle-scale Understanding of TCE Hydrodechlorination in Water by Poorly Ordered Nanoiron, Oral Presentation, Division of Environmental Chemistry, *Symposium on Environmental Nanotechnology*, paper 75, 330th American Chemical Society National Meeting (ACS), August 28-Sep. 1, 2005, Washington DC.
121. Yongjun Chen* and Dionysios D. Dionysiou, Preparation and Characterization of Immobilized Porous TiO₂ Photocatalytic Films on Stainless Steel, Poster Presentation, Division of Colloid and Surface Chemistry, paper 189, 330th American Chemical Society National Meeting (ACS), August 28-Sep. 1, 2005, Washington DC.
122. Brian J. Yates, Elizabeth Myre, Daniel Breetz, and Dionysios D. Dionysiou*, Biotemplating of Nanoparticles for Environmental Applications Using Phytomining Techniques, Poster Presentation, Division of Environmental Chemistry, *Symposium on Environmental Nanotechnology*, paper 191, 330th American Chemical Society National Meeting (ACS), August 28-Sep. 1, 2005, Washington DC.
123. Maria G. Antoniou*, Armah A. de la Cruz, Dionysios D. Dionysiou, Application of Immobilized Titanium Dioxide Photocatalysis for the Treatment of Microcystin-LR, Poster Presentation at the *International Symposium on Cyanobacterial Harmful Algal Blooms (ISOC-HAB)*, September 6-10, 2005, Durham, North Carolina.
124. Rachel C. Copeland*, Darren Lytle and Dionysios D. Dionysiou, Arsenic Desorption from Drinking Water Distribution Systems and Iron-Based Column Media, Oral Presentation at the *67th AWWA Ohio Section Annual Conference*, September 19-22, 2005, Columbus, Ohio.
125. Maria G. Antoniou*, Armah A. de la Cruz, and Dionysios D. Dionysiou, Fundamental Studies on the Degradation of Cyanobacterial Toxins by Sulfate Radicals. Poster Presentation at the *67th AWWA Ohio Section Annual Conference*, September 19-22, 2005, Columbus, Ohio.
126. Yongjun Chen* and Dionysios D. Dionysiou, Immobilization of Thick TiO₂ films on Stainless Steel for Drinking Water Purification. Poster Presentation at the *67th AWWA Ohio Section Annual Conference*, September 19-22, 2005, Columbus, Ohio.
127. George P. Anipsitakis and Dionysios D. Dionysiou*, Sulfate Radical Pathway of Oxidation and Heterogeneous Cobalt/Peroxymonosulfate Reagent. Oral Presentation at

- the 11th *International Conference on Advanced Oxidation Technologies for Treatment of Water, Air, and Soil*, October 23-27, 2005, Chicago, IL, USA.
128. Hyeok Choi* and Dionysios D. Dionysiou, Ionic Liquid-Assisted Sol-Gel Methods Modified with Surfactant Molecules for the Synthesis of Highly Porous Nanostructured TiO₂ Photocatalyst. Oral Presentation at the *10th International Conference on TiO₂ Photocatalysis: Fundamental and Applications*, October 23-27, 2005, Chicago, IL, USA.
 129. Hyeok Choi, Anna C. Sofranko and Dionysios D. Dionysiou*, Self-Assembling and Template-Based Sol-Gel Methods for the Synthesis of Nanocrystalline TiO₂: Particles, Films and Membranes. Oral Presentation at the *10th International Conference on TiO₂ Photocatalysis: Fundamental and Applications*, Chicago, IL, USA, October 23-27, 2005.
 130. Hyeok Choi*, Maria G. Antoniou, Armah A. de la Cruz and Dionysios D. Dionysiou, Development and Environmental Applications of TiO₂ Photocatalytic Membranes and Films. Poster Presentation at the *10th International Conference on TiO₂ Photocatalysis: Fundamental and Applications*, October 23-27, 2005, Chicago, IL, USA.
 131. Yongjun Chen and Dionysios D. Dionysiou*, Synthesis of Porous TiO₂-P25 Composite Films for Degradation of Organic Contaminants in Water. Poster Presentation at the *10th International Conference on TiO₂ Photocatalysis: Fundamental and Applications*, October 23-27, 2005, Chicago, IL, USA.
 132. Yongjun Chen* and Dionysios D. Dionysiou, Development of Highly Active Porous TiO₂-P25 Composite Thick Films for Water Purification. Oral Presentation, Session 165, *Fundamentals of Environmental Catalysis I*, Paper 165f, 2005 Annual Meeting of American Institute of Chemical Engineers (AIChE), October 30-November 4, 2005, Cincinnati, OH, USA.
 133. George P. Anipsitakis* and Dionysios D. Dionysiou, Sulfate Radical-Based Advanced Oxidation Technologies. Oral Presentation, Session 247, *Applications of Environmental Catalysis II*, Paper 247a, 2005 Annual Meeting of American Institute of Chemical Engineers (AIChE), October 30-November 4, 2005, Cincinnati, OH, USA.
 134. Hyeok Choi* and Dionysios D. Dionysiou, Environmental Applications of Photocatalytic TiO₂ Films and Membranes. Poster Presentation, Environmental Division, Session *Advances in Environmental Technology*, Poster 1431, 2005 Annual Meeting of American Institute of Chemical Engineers (AIChE), October 30-November 4, 2005, Cincinnati, OH, USA.
 135. Maria G. Antoniou*, Armah A. de la Cruz and Dionysios D. Dionysiou, Cyanobacterial Toxins: Treating a New Generation of Water Contaminants. Poster Presentation. AIChE, Environmental Division Group 9, Session Poster: *Advances in Environmental Technology*, Poster 143t, October 30 - November 4, 2005, Cincinnati, Ohio, USA.

136. Kai Zhang*, Hyeok Choi, George A. Sorial, Dionysios D. Dionysiou, and Daniel B. Oerther, Examining the Initiation of Biofouling in Membrane Bioreactors Treating Pulp and Paper Wastewater. Oral Presentation at *WEFTEC' 2005, the 78th Annual Water Environment Federation (WEF) Conference and Exposition*, October 29–November 2, 2005, Washington, D.C.
137. Hyeok Choi, Anna C. Sofranko, Dionysios D. Dionysiou*, Self-assembled Nanostructured Crystalline TiO₂ Thin Films and TiO₂/Al₂O₃ Composite Membranes with Simultaneous Photocatalytic, Disinfection, Separation, and Anti-biofouling Properties. Invited Oral Presentation at the Symposium on *Nanomaterials and the Environment*, Materials Research Society (MRS) Fall Meeting, Nov. 28 – Dec. 2, 2005, Boston, MA.
138. George P. Anipsitakis and Dionysios D. Dionysiou*, Sulfate-radical-based Advanced Oxidation Technologies: Generation, Mechanism and Implications. Invited Oral Presentation, *Environmental and Green Chemistry, Session Free Radical Chemistry in the Environment, Pacifichem 2005*, December 15-20, 2005, Honolulu, Hawaii, USA.
139. Maria G. Antoniou and Dionysios D. Dionysiou*, Degradation of Cyanotoxins by Hydroxyl and Sulfate Radicals. Poster Presentation, *Environmental and Green Chemistry, Session Free Radical Chemistry in the Environment, Pacifichem 2005*, December 15-20, 2005, Honolulu, Hawaii, USA.
140. Bhargavi Subramanian and Dionysios D. Dionysiou*, Extraction and Photodegradation of Polycyclic Aromatic Hydrocarbons in Ionic Liquids. Poster Presentation, *Environmental and Green Chemistry, Session Ionic Liquids: Perspectives on the Present, Visions for the Future, Pacifichem 2005*, December 15-20, 2005, Honolulu, Hawaii, USA.
141. Maria G. Antoniou, Armah A. de la Cruz, and Dionysios D. Dionysiou, Detoxification of Cyanobacterial-contaminated Water with Sulfate Radicals. Submitted for Poster Presentation at the *2006 Graduate Student Research/Scholarship Forum of the University of Cincinnati*, March 3, 2006, Cincinnati, Ohio.
142. George P. Anipsitakis* and Dionysios D. Dionysiou, Chemically Induced Redox Reactions in Water Treatment. Accepted for Oral Presentation, *World Water and Environmental Resources Congress 2006*, Omaha, Nebraska, May 21-25, 2006.
143. Maria G. Antoniou, Hyeok Choi, Armah A. de la Cruz*, and Dionysios D. Dionysiou, Detoxification of Cyanobacterial Toxin-contaminated Water Using TiO₂ Photocatalytic Films. Submitted for Poster Presentation at the *HPLC 2006 Conference*, June 17-23, 2006, San Francisco, California.