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Dr. Taylor has over 27 years of experience in water treatment and has been at UCF since 1977. He is now the Director of the Environmental Systems Engineering Institute (ESEI), a Professor of Engineering in the Civil and Environmental Engineering Department, the Leader of the UCF Membrane Focus Group and holds the Alex Alexander Chair for Environmental Engineering.. He has conducted in excess of \$10,500,000 of nationally and internationally funded research at UCF since 1979 almost totally in drinking water treatment and is recognized for his expertise in drinking water treatment.

J. S. Taylor has conducted research as principal investigator for AWWARF, USEPA, KIWA, Florida and specifically in Wisconsin in conjunction with the Cities of Milwaukee, Oshkosh and Manitowoc. All of his research has involved utilities including full scale or pilot plant demonstration for the development of new technologies. The Wisconsin projects specifically involved conducting pilot scale investigations for microfiltration on Lake Michigan water, modeling disinfectant dissipation and DBP formation in Lake Michigan and Lake Winnebago Waters and conducting enhanced coagulation pilot studies on lake Winnebago Waters. His projects have primarily dealt with membrane processes, corrosion control, coagulation, softening, sedimentation and disinfection. Dr. Taylor has developed specific membrane applications for TOC, DBP, SOC, and pathogen control as well as modeling productivity and water quality for size exclusion and diffusion controlled membrane process. Dr. Taylor initiated the development of membrane applications for the for drinking water supply. Dr. Taylor developed the alkalinity recovery system for reverse osmosis and nanofiltration and demonstrated that RO or NF systems produced a non-corrosive drinking water possible. Dr. Taylor is currently working as principal investigator with the American Water Works Research Foundation (AWWARF), the Dutch Institute for Drinking Water Research (Kiwa) and USEPA on three research project involving integrated membrane systems for removal of multi-contaminates from drinking water supplies.

Dr. Taylor has co-authored 4 texts and more than 100 national and international presentations or publications almost totally on drinking water. Dr. Taylor was the lead author on the “Reverse Osmosis and Nanofiltration” chapter in AWWARF published text on Membrane Processes. He is also the lead author of the membrane chapter in the pending revision of “Water Quality and Treatment”. He has served as the President of the FL section of AWWA, National Director for AWWA, Executive Committee Member for AWWA, PMAC Member for AWWA, WQD Officer for AWWA, Founder and Chair of the Membrane Specialty Conference for AWWA. He is a member of the Editorial Board of the International DeSalination and Water Reuse Quarterly and served as the Chairman of the Florida Water Resources Journal for eight years. Dr. Taylor is a member of several professional organizations and has received the FSAWWA Fuller Award, FAWWA Man of the Year Award, UCF College of Engineering Research Excellence Award three times, the UCF Career Achieve Award for Research Excellence twice and the AWWA WQD Best Paper Award. He was the named recipient of the “Alex Alexander Professorship for Water and Wastewater Treatment” in the UCF College of Engineering.

RESUME

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HISTORY: Director Environmental Engineering Systems Institute, 1985 to Present. Civil Engineering and Environmental Sciences Department, University of Central Florida, Orlando, Florida.

Alex Alexander Professorship; 1997 to Present, Civil Environmental Engineering Department, University of Central Florida, Orlando, Florida

Professor of Engineering; 1988 to Present. Civil Environmental Engineering Department, University of Central Florida, Orlando, Florida.

Associate Professor of Engineering; 1977 to 1988. Civil Engineering and Environmental Sciences Department, University of Central Florida, Orlando, Florida.

Assistant Professor of Engineering; 1975 to 1977. Civil Engineering and Environmental Sciences Department, University of Central Florida, Orlando, Florida.

Graduate Student; 1971 to 1975. Environmental Engineering Sciences Department, University of Florida, Gainesville, Florida.

Senior Engineer; 1968 to 1970. Harris Intertype, Electronic Systems Division, Melbourne, Florida.

Research Engineer; 1967 to 1968. Boeing Company, Atlantic Test Center, Cape Canaveral, Florida.

Process and Industrial Engineer; 1965 to 1967. Minnesota Mining Manufacturing, Duplicating Products Division, St. Paul, Minnesota.

EDUCATION: B. S. Industrial Engineering and Management, Oklahoma State University, 1965
M. E. Environmental Engineering Sciences, University of Florida, 1972
Ph.D. Environmental Engineering Sciences, University of Florida, 1976

REGISTRATION: Professional Engineer, State of Florida, No. 0018146

SOCIETIES:

National Society of Professional Engineers Florida Engineering Society
American Water Works Association
Water Pollution Control Federation
American Institute of Chemical Engineers
American Chemical Society
American Society of Civil Engineers
American Water Resources Association
Sigma Xi
Tau Beta Pi
Florida Academy of Sciences

OFFICES/AWARDS:

American Water Works Associations
Man of the Year
Fuller Award
AWWA WQD Best Paper Award
President FL Section AWWA
Chairman FSAWWA ACE Arrangements Committee
National Director AWWA
Executive Committee AWWA
Chairman Editorial Board FWR Journal
Founder, Chair and Member Membrane Conference Committee
Chairmen AWWA Membrane Processes Committee
Water Quality Division Trustee
WQD AWWA Best Paper Award
PMAC National Committee

University of Central Florida
College of Engineering Research Award
University Distinguished Research Career Achievement Award
Alex Alexander Professorship

SPONSORED RESEARCH SUMMARY

J. S. TAYLOR RESEARCH FUNDING BY AGENCY AND AMOUNT

Project Funding	Agency	Amount
THM Precursor Removal by the Mg Process	<i>USEPA- 1980-4</i>	\$298,000
Cost and Performance Evaluation of THM Control Processes	<i>USEPA- 1984-8</i>	\$325,000
THM Control by Membrane Processes	<i>USEPA- 1988-1</i>	\$278,000
DBP Control by Membrane Processes	<i>USEPA- 1988-1</i>	\$235,000
Assessment of Potable Water Membrane Research Needs	<i>AWWARF-1989-0</i>	\$50,000
Remediation Investigation for Potable Water Supply	<i>Pinellas-Cty-1989-2</i>	\$1,114,000
POU Nitrate Control	<i>FDER, 1990-3</i>	\$102,000
Removal of Pesticides by RO/NF and Protocol Development	<i>AWWARF-Kiwa, 1994-7</i>	\$538,000
Investigation of Cu and Pb Release in a Unsteady State Environment	<i>1995-6, UCF</i>	\$46,000
Removal of Multi-Contaminants by Membrane Processes	<i>USEPA, 1995-8</i>	\$238,000
Membrane Selection	<i>Palm Beach Cty, 1995</i>	\$43,000
Integrated Membrane Systems	<i>AWWARF, 1996-8</i>	\$120,000
Investigation of Pathogen Rejection by Size Exclusion	<i>Memcor, 1998</i>	\$40,000
Investigation of Fouling and Pathogen Rejection by UF	<i>Bureau of Rec., 1999</i>	\$60,000
Investigation of Particle Fouling on Membrane Processes	<i>AWWARF, 1999-1</i>	\$250,000
Microbial Growth in a RO Process	<i>Pepsi Cola Inc., 1998</i>	\$50,000
Multi-Contaminant Removal by Integrated Membrane Systems	<i>USEPA, 1996-8</i>	\$237,000
Evaluation & Optimization of Peace River Water Treatment Facility	<i>Boyle Engineering, 1997</i>	\$55,000
Integrated, Multi-Objective Membrane Systems For Control Of Microbials And DBP-Precursors	<i>Kiwa-NL, 1997-9</i>	\$135,000
Determination of Applicability of Size Exclusion Membrane Processes to Treat Recovered Backwash Water	<i>EET-AwwaRF, 1997-8</i>	\$37,000
Investigation Of Biological Growth In A Diffusion Controlled Membrane System		\$50,000
Evaluation of Pathogen Rejection by Ultrafiltration	<i>NWSIA-Hydranautics, 1999-01</i>	\$65,000
Cause and Control of Particle Fouling in Membrane Filtration:	<i>AwwaRF, 1999-04</i>	\$250,000
Effects of Surface Roughness on Colloidal and Organic Fouling on RO/NF Membranes	<i>Saehan Industries Incorporated, 1999-02</i>	\$96,500
Effects of Blending on Distribution System Water Quality	<i>AwwaRF, 2000-04</i>	\$3,000,000
Surface Water Treatability and Demineralization	<i>SJRWMD, 2000-04</i>	\$372,000
Effects of Corrosion Inhibitors on Distribution System Water Quality	<i>AwwaRF, 2005-08</i>	\$1,600,000
Testing and Analyses through EIES UCF Drinking Water Laboratory	<i>Various, 1980-2005</i>	\$1,186,518
	Total as PI	\$10,524,518
	Total as Co-PI	\$346,500
	Grand Total	\$10,871,018

PUBLICATIONS:

1. Yu Zhao and J. S. TAYLOR, "Incorporation of Osmotic Pressure in an Integrated Incremental Model for Predicting RO or NF Permeate Concentration", *Desalination*, vol. 174 no. 2 (2005) pp. 145-159.
2. Yu Zhao and J. S. TAYLOR, "Modeling Membrane Performance over Time, *JAWWA*, 96:12, Dec. 04.
3. Y. Zhao, J. TAYLOR and S.K. Hong, "Combined influence of membrane surface properties and feed water qualities on RO/NF mass transfer, a pilot study, *xxx In Press xx xxx, Water Research, Nov. 04*
4. Zhijian Tang, Seungkwan Hong, Weizhong Xiao, JAMES TAYLOR, Characteristics of Iron Corrosion Scales Established Under Blending of Ground, Surface, and Saline Waters and their Impacts on Iron Release in the Pipe Distribution System, *xxx Corrosion Science xx xx* , In Press Feb. 2005
5. TAYLOR JAMES, John Dietz, Andrew Randall and Seungkwan Hong, "Impact of RO-Desalted Water on Distribution Water Qualities", *Water Science and Technology*, WST51(6-7) [WEMT
6. Zhao Yu and TAYLOR, J. S., "Assessment of ASTM D 4516 for Evaluation of Reverse Osmosis Membrane Performance ", In Press, Nov. 04, *Desalination* No. 2958
7. Zhao Yu and TAYLOR, J. S., "Predicting RO/NF Solute Mass Transfer by the Modified Solution Diffusion Model and Artificial Neural Networks", In Press, Sept. 04, *Journal of Membrane Science*
8. Suibing Liu, J. S. TAYLOR, and David Webb ,Water Quality Profiles during Nitrification in a Pilot Distribution System Study, In Press, March, 05, *Journal of Water Supply: Research & Technology - AQUA*
9. S. A. Imran, J. D. Dietz, G. Mutoti, J. S. TAYLOR and A. A. Randall, Modified Larsons Ratio Incorporating Temperature, Water Age and Electroneutrality Effects on Red Water Release, Accepted *JEE*, Fall 04
10. Michael Le Puil, Suibing Liu, Weizhong Xiao, John D. Dietz, JAMES S. TAYLOR, and Andrew A. Randall, Impact of changes In Distributed water quality on HPC, submitted, accepted with revisions, *JAWWA*, March, 04
11. *Arevalo, J., TAYLOR, J. S., J. D. Dietz, G. Mutoti, "Modeling Chlorine Dissipation in Distribution Systems", *AWWA ACE*, June 04, Orlando, FL
12. *X. Weizhong, Z. Tang, S. K. Hong, TAYLOR, J. S., B. Shi. "Comparison of Corrosive Potential by Source and Process", *AWWA ACE*, June 04, Orlando, FL
13. *Suibing Liu, TAYLOR, J. S., A. A. Randall, J. D. Dietz, "Nitrification Modeling in Chloraminated Distribution Systems" *AWWA ACE*, June 04, Orlando, FL
14. *Yu Zhao and J. S. TAYLOR, Influence of Membrane Surface Properties and Feed Water Quality on RO/NF Mass Transfer, *Proceedings of the 2004 AWWA ACE*, Chicago, IL, June, 2004
15. *William A. Lovins III, Steven J. Duranceau, JAMES S. TAYLOR, In Press, *Aerobic Membrane Feedwater Conditions: Friend or Foe*, *Proceedings of the 2005 Membrane Technology Conference*, Phoenix, AZ, March, 2005
16. Pilutti M. and J. S. TAYLOR, "UF-GAC for Regulatory Compliance", *Proceeding of 2002 AMTA Biennial Conference and Exposition*, Tampa, FL, August 2002
17. Lovins, , W. A., J. S. TAYLOR, "Multi-Contaminate Removal by Integrated Membrane Systems", *Proceedings of 2002 AMTA Biennial Conference and Exposition*, Tampa, FL, August 2002

18. Xiao, Weizhong, Zhijian Tang, Seungkwan Hong, James TAYLOR and Tianbao Du, "Effect of Source Water Blending on Copper Release", Thermodynamic Equilibrium Modeling and Surface Characterization, Proceedings of the AWWA ACE, Anaheim, CA June 2003
19. "Yu Zhao, James TAYLOR and Seungkwan Hong, "Development of an Incrementally Integrated Model for Predicting RO or NF Water Quality", Proceedings of the AWWA ACE, Anaheim, CA June 2003
20. Le Puil, Michael, Young C. Chang, Andrew A. Randall., and James S. TAYLOR, "Effect of distribution system materials and water quality on heterotrophic plate counts and biofilm proliferation", , Proceedings of the AWWA ACE, Anaheim, CA June 2003
21. TAYLOR J. S., J. J. Dietz, S. K. Hong, A. A. Randall and C. Owen, "Required Treatment and Water Quality Criteria for Distribution System Blending of Treated Surface, Ground and Saline Sources", Proceedings of the AWWA ACE, Anaheim, CA June 2003
22. Tang Zhijian, Weizhong Xiao, Seungkwan Hong, James TAYLOR, Tianbao Du,Equilibrium; "Modeling and Surface Characterization For the Prediction of Iron Release in Pipe Distribution Systems Under Various Source Water Blending", Proceedings of the AWWA ACE, Anaheim, CA June 2003
23. TAYLOR J. S., W. A. Lovins, S. C. Chen Reuse, "Emerging Contaminants and Membrane Technology", Proceedings of the Water Environment Federation ACE, Chicago, IL October 2002
24. Arévalo, Jorge, David Webb, James TAYLOR and John Dietz, "Residual Dissipation in NF and RO Finished Waters Relative to Other Finished Waters", Proceedings of the 2003 AWWA Membrane Technology Conference, March, 2003 Atlanta, GA
25. Zhao Yu, David Norberg, Sonia Holmquist, S.K. Hong and J.S. TAYLOR, "Surface Characterization and Performance Evaluation of Commercial Fouling Resistant Low-Pressure RO Membranes", Proceedings of the 2003 AWWA Membrane Technology Conference, March, 2003 Atlanta, GA
26. Liu Suibing, Young Cheol Chang, Michael Le Puil, James S. TAYLOR, Andrew A. Randall, "Resistance and Diffusion Modeling of RO Productivity and Water Quality", Proceedings of the 2003 AWWA Membrane Technology Conference, March, 2003 Atlanta, GA
27. Lee Jin-Woo, James S TAYLOR, Seungkwan (S.K.) Hong, "NF & RO Biostability Relative to Alternative Methods of Water Treatment", Proceedings of the 2003 AWWA Membrane Technology Conference, March, 2003 Atlanta, GA
28. William A. Lovins, James S. TAYLOR, Seungkwan Hong, Microorganism Rejection by Membrane Systems, Journal of Environmental Engineering Science, 19:453-465
29. S. S. Chen, J. S. TAYLOR, L. A. Mulford, C. D. Norris, Influences of molecular weight, molecular size, flux, and recovery for aromatic pesticide removal by nanofiltration membrane, In Press Desalination
30. Y. C. Chang, Le Puil M., Biggerstaff J., A. A. Randall, Schulte A., and J. S. TAYLOR, Direct estimation of biomass on different pipe material coupons using a specific DNA-Probe, Submitted to Water Research Spring 2003
31. Y. C. Change, M. Le Puil, A. A. Randall, and J. S. TAYLOR, The utility of measuring assimilable organic (AOC) as an indicator of biostability in distribution systems, Submitted to Water Research, Fall 2002
32. Y. C. Change, M. Le Puil, A. A. Randall, and J. S. TAYLOR, Application of the potential exoproteolytic activity assay for the determination of fixed bacteria biomass on distribution system materials Submitted to Water Research, Spring 2003

33. Robert Reiss, James TAYLOR, Seungkwan Hong, And Sharon Beverly, Monochloramination Pretreatment For Low Pressure Ro Membrane Processes, submitted to EST, July, 2003.
34. Young C. Chang, Michael Le Puil, Andrew A. Randall*, and James S. TAYLOR. The influence of disinfection on bacterial regrowth in pilot distribution systems Submitted to Water Research Spring 2003.
35. Chang, Y.C., LePuil, M., Biggerstaff, J., Randall, A. A., Shulte, A., TAYLOR, J.S., (accepted, in press) Direct estimation of biofilm density on different pipe material coupons using a specific DNA-probe, Molecular and Cellular Probes.
36. Jones P. A. and J. S. TAYLOR, "DBP Control by Nanofiltration, Cost and Performance" JAWWA, Vol. 84, 104-116, December, 1992.
37. C. Hobbs, S. Hong, and J. TAYLOR, "Fouling Behavior of Reverse Osmosis and Nanofiltration Membranes during Bench- and Full-scale Filtration of a High Organic Surficial Groundwater, Water Research, in review.
38. Mulford, L.A., TAYLOR, J.S., Nickerson, D., and Chen, S.S. Comparison of Full- and Pilot- Scale Nanofiltration on Plant Performance", Journal AWWA vol. 91, No. 6 (1999) 64-75.
39. D. Norberg, S. Hong, J. TAYLOR, "Membrane Degradation and Performance Following Coagulation, Sedimentation, Filtration and Chloramination". Invited Submission to Environmental Engineering Science (special issue on "Membrane Separations in Aquatic Systems" guest edited by Drs. M. Elimelech and M.R. Wiesner).
40. Escobar, A. Randall, S. Hong, and J. TAYLOR, "Effect of Solution Chemistry on AOC Removal by Nanofiltration: Full and Bench-Scale Evaluation", Journal of Water Supply - Aqua, in
41. Lyn T. A. and J. S. TAYLOR, "Turbidity Control Following Hydrogen Sulfide Chlorination" Journal of American Water Works Association, January 1992 Vol. 84, No. 1, (11) 68-78., Jan. 1993.
42. S. Hong, F. Miller, J. TAYLOR, J. Rose, C. Gibson, and W. Johnson, "Membrane Integrity Monitoring for Assessing Microbial Removal by Microfiltration", Journal American Water Works Associations, in review
43. TAYLOR, J.S., Simplified modelling of diffusion-controlled membrane systems. Journal SRT, Aqua Vol. 43, No. 5, pp238-245
44. C. Hobbs, S. Hong, P. Krishna, J. DeCarolis, J. TAYLOR, D Kim, and J. Cho, "Chemical and Physical Factors Affecting Backwash Efficiency of Hollow Fiber MF and UF Membranes" Proceedings of 223rd American Chemical Society (ACS) National Meeting, April 7 - 11, 2002, Orlando, Florida.
45. D. Webb, C. Cullen. J. Arevalo, J. TAYLOR, J. Dietz, and L. Mulford, "Quality, Residuals and Cost of Water Treatment Processes", Poster Presentation at FSAWWA Student Session, March 26, 2002, Orlando, Florida.
46. Escobar, A. Randall, S. Hong, and J. TAYLOR, "Effect of Solution Chemistry on AOC Removal by Nanofiltration: Full and Bench-Scale Evaluation", Journal of Water Supply: Research and Technology - Aqua, 51(2) (2002) 67-76
47. J. TAYLOR, "Integrated Membrane Systems for Reuse", Borchardt Conference, University of Michigan, Ann Arbor, MI, February 19, 2002
48. W. Lovins and J. TAYLOR, "Verification of Laboratory and Field Scale IMS Testing", FSAWWA JWRC, March 26, 2002, Orlando, Florida.
49. C. Cullen, J. Arevalo, Z. Tang, S. Imran, D. Webb, J. Dietz, and J. TAYLOR, "Equilibration of Distribution Systems", ACE FSAWWA, November 1-4, 2001, Orlando, Florida.

50. C. Hobbs, S. Hong, and J. TAYLOR, "Fouling Behavior in Reverse Osmosis and Nanofiltration Membranes during Bench- and Full-scale Filtration of a High Organic Surficial Groundwater, Proceedings of American Water Works Association (AWWA) 2001 Membrane Technology Conference, March 4 - 7, 2001, San Antonio, Texas.
51. C. R. Reiss, J. S. TAYLOR, C. Robert, and S. Hong, "Cumulative Mass-Based Modeling of Nanofiltration Productivity" Proceedings of American Water Works Association (AWWA) 2001 Membrane Technology Conference, March 4 - 7, 2001, San Antonio, Texas.
52. Chellam, S. and TAYLOR, J. S. (2001). "Simplified Analysis of Contaminant Rejection During Ground- and Surface Water Nanofiltration Under the Information Collection Rule." *Wat. Res.* 35(10): 2460-2474
53. Christophe Robert, J. S. TAYLOR and C. R. Reiss, "Resistance Modeling of Size Exclusion Productivity", Proceedings of American Water Works Association (AWWA) 2001 Membrane Technology Conference, March 4 - 7, 2001, San Antonio, Texas.
54. D. Norberg, J. Lee, Z. Yu, Y. Ci, S. Hong, and J. TAYLOR, "Surface Characterization and Fouling Implications of Diffusion Controlled Membranes" presented at Florida Section American Water Works Association (FSAWWA) 2001 Meeting, November 26-27, Kissimmee, Florida.
55. Escobar I., A. Randall, and J. TAYLOR (2001). Bacterial Growth in Distribution Systems: Effect of Assimilable Organic Carbon (AOC) and Biodegradable Dissolved Organic Carbon (BDOC). *Environmental Science and Technology*, 35 (17): 3442-3447
56. Escobar, J. TAYLOR, A. Randall, and S Hong, "Effect of Feed Water Quality on Assimilable Organic Carbon (AOC): Full and bench Scale Comparison, Proceedings of American Water Works Association (AWWA) 2001 Membrane Technology Conference, March 4 - 7, 2001, San Antonio, Texas.
57. J. Decarolis, S. Hong, and J. TAYLOR, "Fouling Behavior of A Pilot Scale Inside Out Hollow Fiber UF Membrane During Dead-end Filtration of Tertiary Wastewater", *Journal of Membrane Science*, 191 (2001) 165-178
58. J. Decarolis, S. Hong, J. TAYLOR, S. Naser, S. Alt, and M Wilf, "Effect of Operating Conditions on Flux Decline and Removal Efficiency of Solid, Organic, and Microbial Contaminants during Ultrafiltration of Tertiary Wastewater for Water Reuse, Proceedings of American Water Works Association (AWWA) 2001 Membrane Technology Conference, March 4 - 7, 2001, San Antonio, Texas.
59. J. S. TAYLOR, "Integrated Membrane Systems", AWWMA Research and Development Conference on Rural Sanitation, Fairbanks, AK, May 2000 (presented in 2000, published in 2001)
60. K. Edwards, G. Mutoti, S. Lui, W. Xiao, M. le Puil, and J.S. TAYLOR, "Comparison of PAC and GAC for DBP Control" ACE FSAWWA, November 1-4, 2001, Orlando, Florida.
61. L. A. Mulford, J. S. TAYLOR, D. G. Linton, D. M. Nickerson and S. Chellam, "Predicting Membrane System Water Quality Using An Integrated Diffusion Model", Proceedings of American Water Works Association (AWWA) 2001 Membrane Technology Conference, March 4 - 7, 2001, San Antonio, Texas.
62. Norberg, J. W. Lee, Z. Yu, Y. Ci, S. K. Hong, and J.S. TAYLOR, "Surface Characterization and Fouling Implications of Diffusion Controlled Membranes" ACE FSAWWA, November 1-4, 2001, Orlando, Florida.
63. S Hong and J.S TAYLOR, "Assessment of Membrane Fouling and Standardization of Testing Methods for Membranes" presented at Symposium for Standardization of Membranes, Korean Agency of Standard and Technology, October 17, 2001, Kwacheon, Korea.

64. S. Chellam and J. S. TAYLOR, "Simplified Analysis of Contaminant Rejection During Ground and Surface Water Nanofiltration Under The Information Collection Rule", Accepted for Publication, Water Research, Jan. 2001
65. Nederlof, M. M., Kreuthof, J, TAYLOR, J. S., Van der Kooij and Schippers, J. C., Comparison of NF/RO membrane performance in integrated membrane systems, Desalination, Vol. 3 Issues 1-2, December 2000, Pages 257-269
66. S. Hong, F. Miller, and J. TAYLOR, "Assessing Pathogen Removal Efficiency of Microfiltration by Monitoring Membrane Integrity", Water Science and Technology: Water Supply, 1(4) (2001) 43-48
67. W. A. Lovins, J. S. TAYLOR and C. R. Reiss, "Prediction of Full-scale IMS performance Using a Resistance Model and Laboratory Data", Proceedings of American Water Works Association (AWWA) 2001 Membrane Technology Conference, March 4 - 7, 2001, San Antonio, Texas
68. TAYLOR J. S. and Weisner M., "Membranes", Chapter Ten, Fifth Edition of Water Quality and Treatment, McGraw Hill, New York, New York, Published February, 2000
69. J. S. TAYLOR and S. K. Hong, "Potable Water Quality and Membranes", Accepted for Publication in Journal of Laboratory Medicine, October, 2000
70. J. S. TAYLOR, "Design of Membrane Systems", USEPA Research Conference on Extreme Conditions for Water and Wastewater Treatment, Fairbanks, AK, April, 2000, (presented in 2000, published in 2001)
71. J. S. TAYLOR, C. D. Norris, and L. A. Mulford, "Recovery of Backwash Waters by Size Exclusion Membranes", Proceedings of the AWWA Water Quality Technology Conference, November 3-7, 2000, Salt Lake City, Utah
72. J. TAYLOR and S. Hong, "Potable Water Quality and Membrane Technology", Journal of Laboratory Medicine, 31 (10) (2000) 563-568.
73. R. W. Gulick, M. W. LeChevallier, J. S. TAYLOR and W. A. Lovins, "Nanofiltration for Removal of Microbials and DBP Precursor from Mississippi River Water: Pilot Study Results, Proceedings of American Water Works Association (AWWA) 2000 Annual Conference and Exposition, June 11-15, 2001, Denver, Colorado
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76. S. Hong, S. Beverly, S. Seal, R. Reiss, J. TAYLOR, and C. Hobbs, "Identification of Low Pressure Reverse Osmosis Membrane Failure by X-Ray Photoelectron Spectroscopy", Proceedings of American Water Works Association (AWWA) 2000 Annual Conference, June 11 - 15, 2000, Denver, Colorado.
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78. C. Robert, C. Reiss and J. S. TAYLOR, "Surface Water Treatment by In Line Coagulation Microfiltration, AWWA Membrane Technology Conference and Exhibition", February 28-March 3, 1999, Long Beach, CA'.
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87. S. K. Hong, J. S. TAYLOR et al., "Removal of Microorganisms by Microfiltration", AWWA Membrane Technology Conference and Exhibition, February 28-March 3, 1999, Long Beach, CA'
88. S. S. Chen and J. S. TAYLOR, "Modeling Pesticide Rejection by Reverse Osmosis", AWWA Membrane Technology Conference and Exhibition, February 28-March 3, 1999, Long Beach, CA'
89. J. S. TAYLOR, C. R. Reiss, C. R. Robert & Will Lovins, "Fouling, Precursors, and Pathogen Control with Integrated Membrane Systems", NWRI Conference on Microfiltration, November 11-13, 1998, San Diego, CA'
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91. N. Kothari and J. S. TAYLOR, "Developing Criteria for the Removal of Cryptosporidium using Microfiltration", IWSA Membrane Technology Conference, Sept 13-17, 1998, Amsterdam NL'
92. C. R. Reiss, C. Robert, J. S. TAYLOR, "Membrane Selection for Integrated Membrane Systems", AWWA Annual Conference and Exhibition, June 14-19, 1997 Atlanta, GA
93. C.R. Reiss, C. Robert, J. S. TAYLOR, "Multi-Contaminant Removal by Integrated Systems", Proceedings of the AWWA Membrane Technology Conference and Exhibition, February 23-26, 1997, New Orleans, LA
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11. Liu Suibing, Young Cheol Chang, Michael Le Puil, James S. Taylor, Andrew A. Randall, "Resistance and Diffusion Modeling of RO Productivity and Water Quality",
12. Lee Jin-Woo, James S Taylor, Seungkwan (S.K.) Hong, "NF & RO Biostability Relative to Alternative Methods of Water Treatment", 2003 AWWA Membrane Technology Conference, March, 2003 Atlanta, GA
13. Z. Yu, J. Lee, C. Yihua, D. Norberg, J. Taylor, and S. Hong, "The Effect of Monochloramines on Membrane Degradation", FSAWWA ACE, March 26, 2002, Orlando, Florida.
14. W. Lovins and J. Taylor, "Microbial Removal Capability of Integrated Membrane Systems: Challenge Test Results", FSAWWA ACE, March 26, 2002, Orlando, Florida.

15. S. Liu, S. Bayou, D. Norberg, J. Taylor, and S. Hong, "The Effect of TOC and TDS on Coagulation for TOC Removal", FSAWWA, March 26, 2002, Orlando, Florida.
16. S. Imran, G. Mutoti, J. Dietz, L. Mulford, and J. Taylor, "Effect of Changing Langelier Saturation Index on Apparent Color In Distribution Systems", FSAWWA, March 26, 2002, Orlando, Florida.
17. J. Taylor, "Water Treatment", Water Summit, February 19, 2002, Downtown Marriott, Orlando, Florida
18. J. Taylor, "Membrane Technology", FSAWWA ACE, March 2002, Orlando, Florida
19. J. Taylor, "Integrated Membrane Systems for Reuse", Borchardt Conference, University of Michigan, Ann Arbor, MI, February 19, 2002
20. J. Taylor, "Drinking Water Treatment", Second Biannual Water Resources Conference, UCF, April 30, 2002, Orlando, Florida
21. J. Taylor, "Drinking Water Technology", Earth Day Conference, Rollins College, April 20, 2002, Orlando, Florida
22. J. Arevalo, C. Cullen, J. Taylor, J. Dietz, and L. Mulford, "Effect of Pipe Materials, Water Quality and Time on Chlorine Dissipation", Poster Presentation at FSAWWA Student Session, March 26, 2002, Orlando, Florida.
23. D. Webb, C. Cullen, J. Arevalo, J. Taylor, J. Dietz, and L. Mulford, "Quality, Residuals and Cost of Water Treatment Processes", Poster Presentation at FSAWWA Student Session, March 26, 2002, Orlando, Florida.
24. C. Hobbs, S. Hong, P. Krishna, J. DeCarolis, J. Taylor, D Kim, and J. Cho, "Chemical and Physical Factors Affecting Backwash Efficiency of Hollow Fiber MF and UF Membranes" Proceedings of 223rd American Chemical Society (ACS) National Meeting, April 7 - 11, 2002, Orlando, Florida.
25. C. Hobbs, S Hong, P. Krishna, J. DeCarolis, J. Taylor, D. H Kim, and J. Cho, "Chemical and Physical Factors Affecting Backwash Efficiency of Hollow Fiber MF and UF Membranes", Division of Environmental Chemistry, 223rd American Chemical Society (ACS) National Meeting, April 7 - 11, 2002, Orlando, Florida.
26. W. A. Lovins, J. S. Taylor and C. R. Reiss, "Prediction of Full-scale IMS performance Using a Resistance Model and Laboratory Data", Proceedings of American Water Works Association (AWWA) 2001 Membrane Technology Conference, March 4 - 7, 2001, San Antonio, Texas
27. S Hong and J.S Taylor, "Assessment of Membrane Fouling and Standardization of Testing Methods for Membranes" presented at Symposium for Standardization of Membranes, Korean Agency of Standard and Technology, October 17, 2001, Kwacheon, Korea.
28. R. W. Gulick, M. W. LeChevallier, J. S. Taylor and W. A. Lovins, "Nanofiltration for Removal of Microbials and DBP Precursor from Mississippi River Water: Pilot Study Results, Proceedings of American Water Works Association (AWWA) 2000 Annual Conference and Exposition, June 11-15, 2001, Denver, Colorado
29. L. A. Mulford, J. S. Taylor, D. G. Linton, D. M. Nickerson and S. Chellam, "Predicting Membrane System Water Quality Using An Integrated Diffusion Model", Proceedings of American Water Works Association (AWWA) 2001 Membrane Technology Conference, March 4 - 7, 2001, San Antonio, Texas.
30. K. Edwards, G. Mutoti, S. Lui, W. Xiao, M. le Puil, and J.S. Taylor, "Comparison of PAC and GAC for DBP Control" ACE FSAWWA, November 1-4, 2001, Orlando, Florida.

31. J. Decarolis, S. Hong, J. Taylor, S. Naser, S. Alt, and M Wilf, "Effect of Operating Conditions on Flux Decline and Removal Efficiency of Solid, Organic, and Microbial Contaminants during Ultrafiltration of Tertiary Wastewater for Water Reuse, presented at American Water Works Association (AWWA) 2001 Membrane Technology Conference, March 4 - 7, 2001, San Antonio, Texas.
32. Escobar, J. Taylor, A. Randall, and S Hong, "Effect of Feed Water Quality on Assimilable Organic Carbon (AOC): Full and bench Scale Comparison, (poster) presented at American Water Works Association (AWWA) 2001 Membrane Technology Conference, March 4 - 7, 2001, San Antonio, Texas.
33. D. Norberg, J. W. Lee, Z. Yu, Y. Ci, S. K. Hong, and J.S. Taylor, "Surface Characterization and Fouling Implications of Diffusion Controlled Membranes" ACE FSAWWA, November 1-4, 2001, Orlando, Florida.
34. D. Norberg, J. Lee, Z. Yu, Y. Ci, S. Hong, and J. Taylor, "Surface Characterization and Fouling Implications of Diffusion Controlled Membranes" presented at Florida Section American Water Works Association (FSAWWA) 2001 Meeting, November 26-27, Kissimmee, Florida.
35. Christophe Robert, J. S. Taylor and C. R. Reiss, "Resistance Modeling of Size Exclusion Productivity", Proceedings of American Water Works Association (AWWA) 2001 Membrane Technology Conference, March 4 - 7, 2001, San Antonio, Texas.
36. C. R. Reiss, J. S. Taylor, C. Robert, and S. Hong, "Cumulative Mass-Based Modeling of Nanofiltration Productivity" (poster) presented at American Water Works Association (AWWA) 2001 Membrane Technology Conference, March 4 - 7, 2001, San Antonio, Texas.
37. C. Hobbs, S. Hong, and J. Taylor, "Fouling Behavior in Reverse Osmosis and Nanofiltration Membranes during Bench- and Full-scale Filtration of a High Organic Surficial Groundwater, (poster) presented at American Water Works Association (AWWA) 2001 Membrane Technology Conference, March 4 - 7, 2001, San Antonio, Texas.
38. C. Cullen, J. Arevalo, Z. Tang, S. Imran, D. Webb, J. Dietz, and J. Taylor, "Equilibration of Distribution Systems", ACE FSAWWA, November 1-4, 2001, Orlando, Florida.
39. Will Lovins and J. S. Taylor, "IMS Performance on the Mississippi River Water", Presented and Published in the Proceedings of the ILAWWA ACE, February, 2000
40. S. K. Hong, F. Miller and J. S. Taylor, Assessing Pathogen Removal Efficiency of Microfiltration by Monitoring Membrane Integrity, Presented and Published in the Proceedings of the IAWQ, 2000 Paris, France
41. S. Hong, S. Beverly, S. Seal, R. Reiss, J. Taylor, and C. Hobbs, "Identification of Low Pressure Reverse Osmosis Membrane Failure by X-Ray Photoelectron Spectroscopy", presented at American Water Works Association (AWWA) 2000 Annual Conference, June 11 - 15, 2000, Denver, Colorado.
42. S. Hong, F. Miller, and J. Taylor, "Assessing Pathogen Removal Efficiency of Microfiltration by Monitoring Membrane Integrity", presented at 1st World Water Congress of the International Water Association (IWA), July 3 - 7, 2000, Paris, France.
43. J. Taylor and S. Hong, "Integrated Membrane Systems", presented at National Association of Corrosion Engineers (NACE) 2000 Annual Meeting, March 31 - April 3, 2000, Orlando, Florida.
44. J. S. Taylor, C. D. Norris, and L. A. Mulford, "Recovery of Backwash Waters by Size Exclusion Membranes", Proceedings of the AWWA Water Quality Technology Conference, November 3-7, 2000, Salt Lake City, Utah

45. J. S. Taylor and S. K. Hong, Integrated Membrane Systems for 2000, Presented and Published in the Proceeding of NACE Conference, March, 2000, Orlando, FL, Presented by J. Taylor
46. J. S. Taylor and S. J. Duranceau, Assessment of Membrane Pilot Plant Data, Presented and Published in the Proceeding of the IWQA Membrane Conference, March, 2000, London, England, Presented by S. J. Duranceau
47. J. Decarolis, S. K. Hong and Taylor, J.S. "Productivity and Performance for Varying Flux, Coagulant Dose and Water Quality", Presented and Published in the Proceedings of the 2000 Florida Section AWWA Annual Conference, April, 2000.
48. J. DeCarolis, S. Hong, J. Taylor, and S. Naser, "Correlation of Various Operating Conditions to the Removal Efficiency of Solid, Organic and Microbial Contaminants Using a Small Scale Pilot Ultrafiltration Water Treatment System", presented at 2000 Florida Water Resources Conference, April 16 - 19, 2000, Tampa, Florida.
49. J. Decarolis, S. Hong, and J. Taylor, "Effect of Operating Condition on Flux Decline and Removal Efficiency of Solid, Organic, and Microbial Contaminants During Ultrafiltration of Tertiary Wastewater for Water Reuse", presented at Florida Section American Water Works Association (FS/AWWA) Annual Conference, Seminar, and Exhibits, November 5-9, 2000, Orlando, Florida.
50. C. Hobbs, S. Hong, and J. Taylor, "Effect of Membrane Properties on Fouling In RO/NF Membrane Filtration of Surficial Groundwater", presented at Florida Section American Water Works Association (FS/AWWA) Annual Conference, Seminar, and Exhibits, November 5-9, 2000, Orlando, Florida.
51. C. Hobbs, S. Hong, and J. Taylor, "Effect of Membrane Properties on Fouling In RO/NF Membrane Filtration of Surficial Groundwater", presented at 220th American Chemical Society National Meeting, Division of Environmental Chemistry, August 20 - 25, 2000, Washington, DC
52. C. Hobbs, S. Hong and J. Taylor, "Fouling Behavior of Reverse Osmosis and Nanofiltration Membranes During Treatment of a High Organic Surficial Groundwater", presented at 2000 International Chemical Congress of Pacific Basin Societies (Pacifichem 2000), December 14-19, 2000, Honolulu, Hawaii.
53. Tram, Q., J. Taylor, and L. Mulford Modeling of Full Scale Plant Performance presented and published in the proceedings of the AWWA Membrane Conference at Long Beach, CA, in February, 1999. Presented by Q. Tram.
54. Taylor, J.S., "State of the Art on Membrane Technology", presented and published in the proceedings of the AWWA Membrane Conference at Long Beach, CA, in February, 1999. Presented by J.S. Taylor.
55. Taylor, J.S. "Modeling Pesticide Rejection", presented and published in the proceedings of the AWWA Membrane Conference at Long Beach, CA, in February, 1999. Presented by J.S. Taylor
56. S. S. Chen, J. S. Taylor and L. A. Mulford, Modeling Pesticide Rejection presented and published in the proceedings of the AWWA Membrane Conference at Long Beach, CA, in February, 1999. Presented by J. S. Taylor
57. Robert, C., and Taylor, J.S., "Performance of Size Exclusion Membranes with and without Coagulation", presented and published in the proceedings of the AWWA Membrane Conference at Long Beach, CA in February, 1999. Presented by Christophe Robert.
58. Reiss, C.R., Taylor, J.S., Robert, C.M., and Lovins, W. "Pathogen, Taste & Odor, Turbidity and DBP-precursor Removal by Surface Water Membrane Systems", Proceedings of the 1999 South Carolina Environmental Conference. Myrtle Beach, S.C. March 1999. Presented by C.R. Reiss.

59. Reiss, C.R., Taylor, J.S., Robert, C.M., and Hong, S.K. "Successful Nanofiltration of 20 mg/L TOC River Water", Proceedings of the 1999 AWWA Membrane Specialty Conference. Long Beach, CA. February 1999. Presented by C.R. Reiss.
60. Reiss, C.R., Taylor, J.S., Robert, C., and Bennett, M. "A Non-Fouling Nanofiltration System for Treatment of a Surface Water", proceedings of the 1999 South Carolina Environmental Conference. Presented by C.R. Reiss.
61. Reiss, C.R., Taylor, J.S., and Robert, C., "Integrated Membrane System Overview", AWWA Engineering and Construction Conference. Orlando, FL. March 1999. Presented by C.R. Reiss.
62. Reiss, C.R., and Taylor, J.S. "Integrated Membrane System Overview". AWWA Engineering and Construction Conference. Orlando, FL. March 1999. Presented by C.R. Reiss.
63. Miller, F., Hong, S.K., and Taylor, J.S. "Pathogen Rejection by Microfiltration" presented and published in the proceedings of the AWWA Membrane Conference at Long Beach, CA in February, 1999. Presented by Frank Miller, with much of the work done by S.K. Hong.
64. J. S. Taylor, "State of the Art on Membrane Technology presented and published in the proceedings of the AWWA Membrane Conference at Long Beach, CA, in February, 1999." Presented by J. S. Taylor
65. F. Miller, S. K. Hong and J. S. Taylor, "Pathogen Rejection by Microfiltration presented and published in the proceedings of the AWWA WQTC, November , 1999"
66. Chris Owen, J. S. Taylor, C. Robert and R. Reiss, "Assessment of IMS Pathogen Rejection", Presented and Published in the AWWA WQTC, November, 1999.
67. C. R. Robert, J. S. Taylor and C. R. Reiss, Performance of Size Exclusion Membranes with and without coagulation presented and published in the proceedings of the AWWA Membrane Conference at Long Beach, CA in February, 1999. Presented by Christophe Robert.
68. Taylor J. S., "Membrane Technology" presented and published at the National Meeting of the Association of State Drinking Water Administrators in Atlanta in Summer 1998. Presented by J.S. Taylor.
69. Taylor J. S., "Integrated Membrane Systems State of the Art", presented and published at the NWSIA Conference on Microfiltration, San Diego, CA. November 1998. Presented by J.S. Taylor.
70. Reiss, C.R., Robert, C., Owens, C. and Taylor, J.S. "Nanofiltration of the Hillsborough River - a Viable Potable Water Treatment Option", Proceedings of the 1998 Florida Section AWWA Annual Conference, Orlando, FL. November 1998. Presented by J.S. Taylor.
71. J. S. Taylor, "Pilot Testing for Membrane Selection", AWWA Membrane Technology Conference and Exhibition, February 23-26, 1997, New Orleans, LA
72. J. S. Taylor, "Pilot Scale Investigation of Microfiltration of Lake Michigan Water", AWWA Membrane Technology Conference and Exhibition, February 23-26, 1997, New Orleans, LA
73. J. S. Taylor, "Multi-Contaminant Removal by Integrated Systems", AWWA Membrane Technology Conference and Exhibition, February 23-26, 1997, New Orleans, LA
74. J. S. Taylor, "Modeling Membrane Performance", ACS National Conference, Orlando FL, August 25-29, 1997
75. J. S. Taylor, "Fundamental of Membrane Theory", AWWA Membrane Technology Conference and Exhibition, February 23-26, 1997, New Orleans, LA

76. J. S. Taylor, "Flat Sheet Testing for Pesticide Removal", AWWA Membrane Technology Conference and Exhibition, February 23-26, 1997, New Orleans, LA
77. J. S. Taylor, "Verification of Single Element and Pilot Testing for ICR Compliance", AWWA Membrane Technology Conference and Exhibition, February 23-26, 1997, New Orleans, LA
78. J. S. Taylor, "Pesticide Removal by Membrane Processes and ICR Membrane Protocol", AWWA Annual Conference and Exhibition, Toronto, Canada, June 19-24, 1996
79. J. S. Taylor, "Membrane Selection", AWWA Annual Conference and Exhibition, Toronto, Canada, June 19-24, 1996
80. L. K. Sung , J. S. Taylor, "Using Film Theory and Ion Coupling to Model Mass Transfer in Diffusion-Controlled Membrane Systems",AWWA Membrane Conference, August 13-16, 1995
81. J.S. TAYLOR, "Fundamental of Reverse Osmosis", KIWA Conference on Water Treatment, Utrecht, NV, March 1995
82. J.S. Taylor, "Membrane Processes for Reducing DBP Precursors and TOC", AWWARF Technology Transfer Conference, Dallas Tx, May 3, 1995
83. J. S. TAYLOR, "International Overview of Nanofiltration", IDSA, International Membrane Workshop, Paris, France, March 1995
84. J. S. Taylor, "Desalination in Florida", Senate Select Committee on Water Policy", Senate Sub-Committee Hearing , November 1, 1995
85. C. Robert Reiss, J. S. Taylor, "Prediction of NF Fouling Using Indices", Proceedings of AWWA Membrane Conference, International, August 13-16, 1995
86. S. J. Duranceau and J. S. TAYLOR, "Prediction of Solute Mass Transfer Coefficients Using Solute Charge and Molecular Weight", AWWA Membrane Technology Conference, Baltimore, MD August 1-4, 1993
87. S. J. Duranceau and J. S. TAYLOR, "Modelling the Permeate Transient Response in a Membrane Softening Process", AWWA ACE, San Antonio, TX, June 6-10, 1993
88. L. J. Sung and J. S. TAYLOR, "Nitrate Removal by POU Nitrate Exchange Systems", AWWA ACE, San Antonio, TX, June 6-10, 1993
89. L. J. sung and J. S. TAYLOR, "Nitrate Rejection by POU Membranes", AWWA Membrane Technology Conference, Baltimore, MD, August 1-4, 1993
90. J.S. Taylor, "Predicting DBP Formation", WIAWWA ACE, Sept. 1994, Milwaukee WI, Sept. 1993
91. J.S. Taylor, "Optimizing Coagulation for DBP Removal", WIAWWA ACE, Sept. 1994, Milwaukee WI, Sept. 1993
92. J.S. Taylor, "DBP Formation in Wisconsin Waters", WIAWWA ACE, Sept. 1994, Milwaukee WI, Sept. 1993
93. J. S. TAYLOR, "DBP Control by Membrane Technology", USEPA Seminar on Disinfection By-Products, Louisville, KY, March 17, 1993
94. E. A. Ibrahim and J. S. TAYLOR, "Membrane Pilot Testing, When and How", AWWA ACE, San Antonio, TX, June 6-10, 1993

95. E. A. Ibrahim and J. S. TAYLOR, "Cost and Performance Evaluation of RO and EDR Pilot Plant Evaluation", AWWA Membrane Technology Conference, Baltimore, MD, August 1-4, 1993
96. D. S. Laisure and J. S. TAYLOR, "Modelling Mass Transfer in Nanofiltration Membrane Systems", AWWA Membrane Technology Conference, Baltimore, MD, August 1-4, 1993
97. J.S. TAYLOR, "Using Membranes to Control Corrosion", AWWA Corrosion Control Seminar, April 22-23, 1992, Invited, National, Non-referred, Orlando, FL
98. J.S. TAYLOR, "Membrane Technology for Potable Water Treatment" 44 American Water Works Service Co., Proceedings of the Water Quality Round Table, Regional, Non-Refereed, March 1992
99. J.S. TAYLOR, "Membrane Technology for Potable Water Treatment" 44 American Water Works Service Co., Proceedings of the Water Quality Round Table, Regional, Non-Refereed, February 1992
100. J.S. TAYLOR, "Membrane Technology for Potable Water Treatment" 44 American Water Works Service Co., Proceedings of the Water Quality Round Table, Regional, Non-Refereed, April 1992
101. J.S. TAYLOR, "Maintaining Distribution System Water Quality: Lead and Copper Rule Compliance", 1992 Environmental Resources Conference, May 20-21, 1992, Invited, Regional, Non-referred, Orlando, FL
102. J.S. TAYLOR, "Fundamentals of Membrane Processes", KIWA Conference on Membrane Technology, January 31 - February 9, 1992, International, Requested, Nieuwegein, The Netherlands
103. J.S. TAYLOR, "Corrosivity of Membrane Processes", AWWA Seminar on Corrosion Control Studies and Strategies, Orlando, Florida, Non- Refereed, April 22-23, 1992
104. J. S. TAYLOR, Mulford L. A., Yousef Y. A., Lyn T. A. and Powell R. A., "Corrosion Control of Diffusion Controlled Membrane Processes", AWWA ACE, Vancouver, CA, Refereed, June 18-21, 1992
105. J. S. Taylor, "Membrane Plant Design Fundamentals", Clemson University, Special Topics in Water Treatment Seminar, Myrtle Beach, South Carolina, March 25, 1992
106. J. S. TAYLOR, "Disinfection by Membrane Processes", UCF Department of Molecular Biology and Microbiology Seminar, Requested, Non-refereed, October 8, 1992, University of Central Florida, Orlando, Florida
107. J. S. TAYLOR, "Corrosion Control Investigations at Pinellas County Florida", Environmental Resources Conference, Non-refereed, Environmental Resources Conference, May 20-21, 1992, Orlando, Florida
108. J. S. TAYLOR, "Modelling of Diffusion Controlled Mass Transfer in Membrane Systems" , Twente University, The Netherlands, November 13, 1992
109. The Use of Fouling Indexes to Predict Diffusion Controlled Membrane Fouling with K.E. Morris, AWWA specialty conference Membrane Technologies in the Water Industry, March 10-13, 1991, Orlando, FL.
110. Modeling the Membrane Selection Process with D.G. Linton and L.A. Mulford, AWWA specialty conference Membrane Technologies in the Water Industry, March 10-13, 1991, Orlando, FL.
111. Membrane Technology in Potable Water Treatment, Clemson seminar on the Safe Drinking Water Act, Feb 20-21, 1991, Charleston SC.
112. Membrane Pretreatment of a Surface Water with C.R. Reiss, AWWA specialty conference Membrane Technologies in the Water Industry, March 10-13, 1991, Orlando, FL.

- 113.M.D. Jordan, J.S. TAYLOR, L.A. Mulford, T.L. Lyn, "Comparison of THM Analyses by EPA Method 501.2 and 551", AWWA Water Quality Technology Conference, November 11, 1991, International, Refereed, Orlando, FL
- 114.J.S. TAYLOR, "Using Research Information for Community and Home-owner Selection of Membranes", AWWA Membrane Technology Conference, November 3 -5, 1991, International, Refereed, Boston MA
- 115.J.S. TAYLOR, "Membrane Technology for Potable Water Treatment" 44 American Water Works Service Co., Proceedings of the Water Quality Round Table, Regional, Non-Refereed, October 1991
- 116.J.S. TAYLOR, "DBP Control by Diffusion Controlled Membrane Processes", Univ. of Ill. seminar series, April 18, 1991, Urbana, Ill. (presentation, regional, non-refereed, requested)
- 117.J. S. TAYLOR, "Research Needs for Membrane Processes", Testimony before the Science, Research and Technology Subcommittee on Desalination, U. S. House of Representatives, September 18, 1991, Washington D. C.
- 118.J. S. TAYLOR, "Needs for Membrane Research", U.S. House of Representatives Subcommittee on Science Hearing on Desalination Research, Requested, National, Non-Refereed, July 17, 1991, Washington, D.C.
- 119.J. S. TAYLOR and L. A. Mulford, "Membrane Selection, Performance and Cost", AWWA ACE, June 18, 1991, Philadelphia, Pennsylvania
- 120.Duran F. E., Dunkelberger, G. W. and TAYLOR J. S., "Calcium Rejection by Membrane Softening", Florida Water Resources Conference, Nov. 3-7, 1991, Regional, Refereed, Pensacola, FL
- 121.Disinfection By-Product Precursor Removal by Reverse Osmosis with L.A. Mulford, K.E. Morris and P.S. Jones, , AWWA specialty conference Membrane Technologies in the Water Industry, March 10-13, 1991, Orlando, FL.
- 122.Controlling Organics by Membrane Processes, VSAWWA seminar on The Future of Water Treatment, April 1-2, 1991, Newport News, VA (presentation and publication, regional, non-refereed, requested)
- 123.Control of Chlorinated By-Product Precursors by Membrane Processes USEPA Research Seminar on Potable Water, July 16, 1991, Cincinnati, OH.
- 124.Theoretical and Practical Applications Involving Membranes in Potable Water Treatment, Univ. of Miami, Seminar Series, Coral Gables, FL, Sept. 21, 1990.
- 125.Surface Water Pretreatment for Membrane Processes with C.R. Reiss, FSAWWA ACE, November 4-8, 1990, St. Petersburg FL.
- 126.Regulatory Driven Drinking Water Treatment Advances Applicable to the Beverage Industry, Soft Drink Association Conference, Ft. Lauderdale, Florida, January 1990.
- 127.Organic Control by Nanofiltration, NWSIA Conference, Orlando, FL, August, 1990.
- 128.Modeling of Membrane Mass Transfers, NWSIA Conference, Orlando, FL, August 1990.
- 129.Modeling Mass-Transfer Investigation and Modeling, with S.J. Duranceau, AWWARF seminar Drinking Water Challenges for the 1990's, May 8-9, 1990, Oakland, CA.
- 130.Modeling Disposal Options for Membrane Plant Residuals, NWSIA ACE, Orlando, FL, August 19-23, 1990.

131. Investigation and Modeling of Operational Parameters on Membrane Mass Transfer, NWSIA ACE, Orlando, FL, August 19-23, 1990.
132. Hydrogen Sulfide Removal, with T. Lyn, FSAWWA ACE, November 4-8, 1990, St. Petersburg FL.
133. Drinking Water Quality Issues, FES seminar "Reverse Osmosis and other Membrane Technology", Tampa, FL, June 13, 1990.
134. Disinfection By-Product Control by Nanofiltration, NWSIA ACE, Orlando, FL, August 19-23, 1990.
135. Control of Disinfection Byproducts by Membrane Processes, AWWA/ACE, Cincinnati, OH June 1990.
136. Assessment of Membrane Processes, AWWARF seminar "Drinking Water Challenges for the 1990's", May 8-9, 1990, Oakland, CA.
137. Advances in Drinking Water Treatment, National Environmental Health Association Conference, Orlando, Florida, January 1990.
138. Removal of DBP Precursors by Nanofiltration, with L.A. Mulford, FSAWWA/FPCA/FWPOA Joint Annual Conference, St. Petersburg Beach, Florida, November, 1989.
139. Treatment Fundamentals of Activated Carbon, Air Stripping and Membrane Processes, FDER Water Quality Conference, Orlando, Florida, March 1988.
140. Membrane Process Applications in Potable Water Processes, James M. Montgomery Consulting Engineers, Inc. Seminar on Meeting the SDWA, Orlando, Florida, March 1988.
141. Cost and Performance of Membrane Systems, AWWA Membrane Seminar, AWWA AC&E, Orlando, Florida, June 1988.
142. Comparison of Ground Water and Surface Water Membrane Applications, AWWA AC&E, Orlando, Florida, June 1988.
143. Rejection of THM Precursors by Membrane Processes, AWWA National AC&E, Kansas City, Missouri, June 1987.
144. Membrane Processes in Potable Water, USEPA Conference on Current Research in Drinking Water Treatment, Cincinnati, Ohio, March 1987.
145. Effect of Natural Organics on Membrane Flux, American Chemical Society Spring Conference, Denver, Colorado, April 1987.
146. Removal of Organics by Membrane Processes, Annual FSAWWA, FPCA, and FW&PCOA Conference, West Palm Beach, Florida, November 1986.
147. Changes in Florida's Drinking Water Regulations," Florida Society of Environmental Analysis Annual Conference, West Palm Beach, Florida, October 1986.
148. Utilization of Low Pressure Membrane Processes, Where's the Water Conference, FSAWWA, FPCA, FW&PCOA, Ft. Lauderdale, Florida, September 1985.
149. Ultrafiltration of Potable Water, Water: Lifeblood of America Conference, FSAWWA, FPCA, FW&PCOA, Ft. Lauderdale, Florida, May 1985.
150. Treatment Alternatives and Selection for Control of VOC, Control of Organics Seminar, Malcolm Pirnie, Inc., Orlando, Florida, December 1985.

151. THM Control Techniques, Southeastern Engineering Exhibit, Tampa, Florida, March 1985.
152. Critical Issues in Florida Water Resources, FSAWWA, FPCA, FW&PCOA Joint Technical Conference, Sarasota, Florida, November 1985.
153. Control of Organics in Potable Water, Public Awareness Program, FSAWWA, FPCA, FW&PCOA, Ft. Lauderdale, Florida, April 1985.
154. Trace Standards, Public Health and the Potable Water Industry, Annual Federal Water Quality Commission Conference, Washington, D.C., April 1983.
155. The Threat of Groundwater Contamination to Florida's Potable Water Aquifers, 3rd Annual Symposium on Florida Hydrology, University of South Florida, Tampa, Florida, May 1983.
156. The Effect of the Magnesium Carbonate Process on Advanced Potable Water Quality, ASCE National Specialty Conference on Water Supply, Tampa, Florida, March 1983.
157. Filtration in Potable Water Treatment, Chemical Processing Seminars, Chemical Processing Magazine, Lakeland, Florida, February 1983.
158. Plant Operation of the Magnesium Carbonate Process, FSAWWA-FPCA Annual Conference, Clearwater, Florida, November 1982.
159. Removal of Pollutants from Stormwater Runoff by Coagulation and/or Detention, Annual FSAWWA and FPCA Technical Conference, Miami Beach, Florida, November 1981.
160. Advanced Water Chemistry, FW&PCOA Short School, Miami, Florida, November 1981.
161. Methods of Controlling Organic Contamination of Potable Water in Florida and the Nation, Sigma Xi Lecture Series, Brevard Chapter, Melbourne, Florida, October 1979.
162. Heavy Metal Removal from Colored and Non-Colored Aqueous Environments, Annual AWWA Conference, San Francisco, California, June 1979.
163. Coagulation for the Removal of THM Precursors, Florida Institute of Technology Graduate Series Seminars, Florida Institute of Technology, Melbourne, Florida, March 1979.
164. Wetlands for Wastewater Treatment, TREEO Conference of Available Wastewater Options, Tampa, Florida, September 1978.
165. Wastewater Treatment Alternatives Utilizing Water Hyacinths, ASCE-FTE International Conference on Nutrient Removal Alternatives, Lake Buena Vista, Florida, March 1978.
166. Removal of THM Precursors from a Colored Florida Water by Common Coagulants and Coagulant Aids, Annual FSAWWA and FPCA Technical Conference, Miami Beach, Florida, November 1978.
167. Removal of Microbiological Contaminants, EPA-TREEO Water Treatment Technology, Orlando, Florida, May 1978.
168. Heavy Metal Removal in Colored and Non-Colored Aqueous Environments After Lime Precipitation or Lime-Magnesium Coagulation, Annual FSAWWA and FPCA Technical Conference, Miami, Florida, November 1978.
169. Chemical Fundamentals of Advanced Wastewater Treatment, TREEO Conference of Available Wastewater Options, Tampa, Florida, September 1978.

170. A Cost Effective Color Removal Process, EPA-ITC National Conference on Industrial Waste Treatment and Re-Use, Houston, Texas, April 1977.
171. The Mechanism of Color Removal by Magnesium Coagulation, Annual AWWA Conference, New Orleans, Louisiana, June 1976.
172. The Re-Use of Magnesium for Color Removal, Annual FSAWWA and FPCA Technical Conference, Miami Beach, Florida, October 1975.