

**VITAE**  
January, 2007

**Martin “Marty” Wanielista, Ph.D., P.E.**

**Professor of Engineering and Professor Emeritus  
Director of Stormwater Management Academy  
University of Central Florida**



**EDUCATION:**

B.S. Civil Engineering University of Detroit, Detroit, MI, 1964  
M.S. Sanitary Engineering Manhattan College, Bronx, NY, 1965  
Ph.D. Environmental Engineering Cornell University, Ithaca, NY, 1971

**EDUCATION AND RESEARCH AREAS:**

1. Stormwater Management
2. Water Resources Engineering
3. Hydrology and Stochastic Methods
4. Surface and Groundwater Pollution Control
5. Mathematical Models of Surface Water Systems
6. Life Long Learning

**UNIVERSITY EXPERIENCE:**

Employment History at UCF

Current	Director of Stormwater Management Academy University Distinguished Professor, August 2003 And Professor Emeritus, April 2006
1993 - 2002	Dean and Professor of Engineering
1985 - 1988	Director of Research and Interim Associate Dean (1988)
1978 - 1985	Chair of the Civil Engineering and Environmental Sciences Department.
1976 - Present	Professor of Engineering
1972 - 1976	Associate Professor of Engineering
1970 - 1972	Assistant Professor of Engineering

He has taught 24 different courses; eight at the Graduate level. A partial list of courses taught is: Advanced Hydrology (stochastic hydrology), Operations and Processes in Sanitary Engineering Solid Waste Management, Man and Environment (to non-engineers), Hydrology, Hydraulics, Engineering Economics, Fluid Mechanics, Water Resources Design, Air Pollution Control, Resources Geography, Water Resources Engineering and Resources Geography.

**UNIVERSITY EXPERIENCE(Continued):**

Currently, he is advisor to eight graduate students and seven undergraduate students. Sixty three (63) graduate students have completed their degrees with theses, two (2) with dissertation, and six (6) with research reports. Approximately 70% have been published reports. All published reports with his name are listed at the end of this vitae.

Also, Director of the Environmental Systems Engineering Institute, September 1971 to September 1974. As Director of the FTU Environmental Systems Engineering Institute, responsibility for environmental interdisciplinary research was given to Dr. Wanielista. A maximum of 30 faculty held membership in the Institute. These faculty represented the disciplines of civil engineering industrial engineering mechanical engineering environmental engineering electrical engineering physics, chemistry, biology, economics, communications, political science, and marketing. During the three years Dr. Wanielista was the Director, approximately \$200,000 was granted to the Institute. Another \$200,000 was given to individuals or groups of individuals within the Institute but not under the Institute name.

Faculty Senate Representative for the College of Engineering for 1972-1975 and 1975-1976. During 1972, Dr. Wanielista was Secretary/Treasurer. Other University Committees include Graduate Research Council, Graduate Council, University Press, Judiciary Board, Chairman's Council, Promotion/Tenure Committee, Campus Development, and Academic Standards.

**Research History Related to Stormwater Management**

1. Transportation Research Board Contract NCHRP No. 20-12, Hydrocarbons and Fugitive Dust from Highway construction, April 1974 to April 1975. Administrative and technical director for the \$23,000 contract with one other faculty member, three undergraduates and one graduate student was the responsibility.
2. State Department of Pollution Control Research Contract on Nonpoint Sources, September 1974 to December 1975. Dr. Wanielista was one of six principal investigators and the administrator for the \$150,000 contract. The responsibility for the execution of the contract was solely his. In this capacity, he had hired and established salaries for two research assistants, six graduate students, and five undergraduate students.
3. Project Director for the \$750,000 restoration of Lake Eola, Orlando, Florida. This was done with the City of Orlando Public Works Department, Orange County Pollution Control Department, the State Department of Pollution Control, the State Game and Fresh Water Fish Commission, and Soils and Environment Consultant in 1972.

**UNIVERSITY EXPERIENCE(Continued):**  
**Research History Related to Stormwater Management**

4. Principal Investigator and project director on a \$29,000 contract to determine the surface water body effects from land development. Five faculty and four students were assigned to the project. The funds were awarded by a private consulting firm. The results are now used as a model for development, August 1973.
5. One of the two Principal Investigators on Waste Assimilation Studies in the Tampa Bay Region - A Department of Environmental Regulation Contract for \$25,000 from July 1975 through March 1976.
6. Principal Investigator and Project Director - an EPA project on Best Management Practices for Nonpoint Sources. \$22,000 contract from August 1976 through October 1977. This project formed the basis for State stormwater rule.
7. One of two Principal Investigators on the Fate of Pollutants in Aquatic Swales - A Florida Department of Transportation/University Board of Regents Project for \$35,000 from October 1976 through December 1977.
8. Principal Investigator and Project Director on the Quality of Urban Underdrains in Seminole County for \$1,400 from January 1977 through December 1978.
9. Principal Investigator and Project Director on Stormwater Management and Lake Water Quality - Environmental Protection Agency/State Department of Environmental Regulation and City of Orlando funding for \$164,000 from April 1978 through August 1979.
10. National Science Foundation Travel Grant to attend an International Meeting on Stormwater Drainage, Southampton, England, \$733, April 1978.
11. Florida Department of Transportation research grant on Bridge Runoff and its Effects on Surrounding Environments, \$40,000, September 1978 through March 1980.
12. State Department of Environmental Regulation research contract on Stormwater Management Manual, September 1979 through December 1980, \$29,000.
13. Environmental Protection Agency Clean Lakes Grant on Lake Eola, Orlando, Florida, together with State Legislature money administered by the State Department of Environmental Regulation for monitoring, design and construction of Urban stormwater management practices, a \$434,000 contract from January 1980 through September 1981.

**UNIVERSITY EXPERIENCE (Continued):  
Research History Related to Stormwater Management**

14. FHWA and FDOT Grant on Best Management Practices for Highways, one investigator among four, \$150,000, September 1981 through December 1984.
15. South Florida Water Management, Lake Tohopekaliga Stormwater Management, \$40,000, May 1982 through December 1982.
16. South Florida Water Management District, Detention Pond Design, \$5,000, January 1983 through May 1983.
17. State Department of Environmental Regulation, Lake Jackson Bottom Muds, \$49,000, August 1983 through May 1984.
18. City of Orlando, Lake Lawsona Alum Treatment, one of two investigators, \$3,650, January 1984 through August 1985.
19. City of Orlando, Drainage Well Quality and Quantity, one of two investigations, \$13,000, August 1984 through May 1985.
20. State Department of Transportation and Federal Highway Administration, Stormwater Management Alternatives Retrofits to Injection System, (SMARTS), \$100,000, August 1984 through December 1986.
21. State Department of Environmental Regulation, reviewer for Wetlands and Stormwater Grant, \$60,000, August 1984 through December 1985.
22. Southwest Florida Water Management District, Rainfall Analysis, \$70,000, October 1985 through December 1987.
23. City of Orlando, Urban Detention, \$60,000, July 1, 1987 through September 1989.
24. City of Bradenton, Engineering Affiliate Program, \$45,000, November 1987.
25. Wekiva Resources Council Legislative Appropriation \$160,000, July 1988 - June 1989.
26. State Department of Transportation, Exfiltration Systems, \$72,000, July 1988 - June 1990.

**UNIVERSITY EXPERIENCE (Continued):  
Research History Related to Stormwater Management**

27. State Department of Transportation, Activated Carbon, \$60,000, July 1988 -June 1990.
28. St. Johns River Water Management District, Hydrologic Balance for the Econlockhatchee River Basin, Dec. 12, 1990-September 30, 1992, \$47,081.
29. Florida Department of Environmental Regulation, Precipitation-Inter-event-Frequency Curves, February 1990-December 1991, \$87,821.
30. Florida Department of Environmental Regulation, Stormwater Management and Re-use Technology (SMART), February 1990-June 1992, \$128,000.
31. Florida Department of Transportation, Exfiltration with Limestone, Dec. 1, 1990-Oct 1991, \$9,000.
32. Southwest Florida Water Management District, Hydrograph Shapes, Aug. 15, 1990-Sept. 30, 1994, \$40,000.
33. Florida Department of Environmental Regulation, Hydrograph Shapes and Detention Pond Water Quality, Feb. 18, 1991-December 1, 1992. \$48,600.
34. Florida Department of Environmental Regulation, Technical Development of a Stormwater Utility Program (ABCs), Dec 1991- Dec 1992, \$5000.
35. Florida Department of Environmental Regulation, Econlockhatchee River Restoration and Preservation, A Water Quantity and Quality Budget, Aug 9, 1991- December 30, 1992, \$162,000.
36. Florida Department of Transportation, Intensity-Duration-Frequency Curves, Sep 1993-August 1995, \$110,000.
37. Florida Department of Transportation, Continuous Simulation of Detention Pond Designs (no infiltration), Sep 1995-Sep 1996, \$100,000, (Co-PI) one of three investigators.
38. Florida Department of Environmental Regulation and South Florida Water Management District, Water Storage Value, \$250,000, march 2002 to August 2003, one of five investigators. (Co-PI)
39. Florida Department of Transportation, Master Agreement for the Operation of the Stormwater

Management Academy, \$2,500,000, January 2003.

40. Florida Department of Environmental Regulation, Effectiveness of a Stormwater Reuse System, \$150,000, June 2003- November 2004.

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41. Florida Department of Environmental Regulation, Green Roofs and Demonstrations, \$165,000, January, 2004 – June 2005.
42. Rinker Materials and Florida Department of Transportation, Pervious Concrete, \$135,000, May 2004- August 2005. (Co-PI)
43. Florida Department of Community Affairs, Water Budgets in Springshed Areas, \$129,000, September, 2003 – August 2005.
43. EPA, New Partnerships in Public Education, \$115,000, March, 2004 - November, 2004. (Co-PI)
44. EPA, New Partnerships Social Marketing, \$220,000, November, 2004 – December, 2006. (Co-PI)
45. Orange County Florida, Lake Butler Restoration, \$15,000, September 2003 – May 2004.
46. Ready Mix Concrete Foundation, Pervious Concrete National Data, \$50,000, June 2004- June 2005. (Co-PI)
47. Florida Department of Environmental Protection, Green Roof Design Monitoring, \$178,641, Task 3, July 2005- August 2006.
48. Florida Highway Administration/Florida Department of Transportation, \$642,280, Florida Manuals and Erosion Sediment Lab, September, 2005 – September 2006.
49. Waste Tires for Pollution Control, with Seminole County, \$638,000 with UCF portion being \$200,000, Florida Legislative Waste Use program, administered by the Florida Department of Environmental Regulation, October 2005 – January 2008.
50. Green Roof Demonstration and Evaluation (Modifications for State-wide Applications), \$140,093, State Department of Environmental Protection, January 2006 –September, 2007.
51. Health Risk Assessment of Stormwater Irrigation, \$56,179, \$134,241, State Department of Environmental Regulation, January 2006 – May 2007.
52. Pervious Pavements for Highway Shoulders, \$50,000, State Department of Transportation, March 2006- June 2007.

53. Design Storm Rainfall Depths for the State of Florida, \$60,000 (Co-PI with Dr. Ron Eaglin), Southwest Florida Water Management District, June 2006- June 2007.
54. Alternatives Stormwater Sorption Media, \$100,000 (Co-PI with Dr. Ni-Bin Chang), Southwest Florida Water Management District, January 2007- January 2008.
55. Nitrogen transport and transformation beneath stormwater ponds in Karst areas and effectiveness of stormwater best management practices for reducing nitrate leaching to ground water, multi agency, \$780,000, February 2007 – January 2010. (Co-PI with Dr. Ni-Bin Chang).

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**SELECTED PROFESSIONAL AND COMMITTEE ACTIVITIES:**

1. Registered Professional Engineer: State of Florida (#17709) April 1973.
2. American Society of Civil Engineers (1964): Held twenty-seven different committee assignments and was President-East Central Branch.
3. American Water Resources Association served on eight committees (1970).
4. Florida Stormwater Association (2002- present): education committee.
5. Association of Environmental Engineering Professors (1971): Program Chair-8th Annual Workshop (1972-73), AEEP Representative-ASCE Specialty Conference on Environmental Engineering (1973-76), Board of Directors (August 1974 to December 1976), Secretary/Treasurer (August 1974 to December 1975).
6. Florida Water and Pollution Control Operators Association (1971).
7. American Society for Engineering Education (1973).
8. Florida Engineering Society (1974): Conservation and Environmental Quality Committee (1975 to 1978), and Education Committee.
9. National Society of Professional Engineers (1965).
10. American Academy of Environmental Engineers (1979).
11. Publications Reviews on Articles and Books for the Water Resources Bulletin, the Operations Research Society of America, ASCE, and EPA Proposal Reviewer.
12. Florida Department of Pollution Control Power Plant Siting Committee (1974-1977).
13. Order of the Engineer (1976).
14. Member, North American Lakes Management Society (1981), Technical Chair, 1987 Meeting.

15. Editorial Board, Journal of Watershed Protection Techniques (1993- present).
16. Board of Directors, Southeastern Consortium Minorities in Engineering (SECME) (1994-1996).
17. Chair, Student Perception of Faculty form (1995).
18. Chair, University Master Planning Committee (1996-2004).
19. Member, National Association of Minority Engineering Program Administrators (1996-2003)
20. SBIR reviewer, EPA (2002-2004).

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#### **AWARDS:**

1. Graduated Cum Laude - University of Detroit
2. U.S. Public Health Service Traineeship and Fellowship (1965-1967)
3. U.S. Public Health Service Research Fellowships (1967-1968)
4. Department of the Army Commendation Medal (1970)
5. Orlando Jaycees Distinguished Service Award (1972)
6. Florida Engineering Society, Central Florida Chapter Individual Who Has Contributed Most for the Protection of the Environment (1973)
7. Outstanding Young Men of America (nominated for 1973, 1974, 1975, 1976, and 1977)
8. Member Tau Beta Pi and Chi Epsilon; Honorary Member of Phi Beta Lambda (1973)
9. Distinguished Service Award, Association of Environmental Engineering Professors, Oct. 1973
10. Florida Section, ASCE, Commendation of Recognition (1974)
11. Florida Federation of Garden Clubs Outstanding Service Award (1974)
12. Florida Engineering Society - Central Florida Chapter Young Engineer of the Year (1974)
13. Service Award Secretary/Treasurer - Association of Environmental Engineering Professors (1974)
14. 1975 Outstanding Technical Achievement Award, Florida Engineering Society (May 1975)
15. Young Engineer of the Year Award, Florida Engineering Society (November 1975)

16. FTU Foundation Research Award for Excellence (1977)
17. UCF Writer's Guild (1982)
18. Technical Merit Award for Outstanding Contribution to the Science of Lake Management (1985), North American Lake Management Society.
19. College of Engineering Research Awards, 1992-1993.
20. North America Lakes Management Award, "Deevie Award" given to one whom advances an understanding and protection of State Waters. May, 1995.
21. Engineer of the Year, Central Florida and State of Florida, Engineering Societies, 1999.

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22. Outstanding Service Award– Central Fl Chapter, Florida Engineering Society, June, 2002
23. University Distinguished Professor, August 2003.
24. Career Achievement Award– Central Fl Chapter, FES, February, 2004.
25. ASCE Byron Spangler Award– Lifetime Achievement August 2004.
26. Diplomat, Water Resources Engineer, American Academy of Water Resources Engineers – January 2006.
27. Professor Emeritus, April 2006.

#### **COMMUNITY SERVICE:**

1. Church: St. Margaret Mary, Park Avenue, Winter Park, Florida. Member of various social and out reach committees.
2. Since 1970, delivered over 600 talks on stormwater management to Central Florida groups, to include TV interviews, two TV programs, two radio program over 13 weeks for 30 minutes per day, high school career days, elementary and high school classes, and civic organizations.
3. During 1972-73, a member of the Higher Education Commission of Brevard County Museum, Inc.
4. City of Maitland Lakes Advisory Committee (1976-79); Vice Chair (1977-78).
5. South Florida Water Management District Academic Advisory Board (1976-77).
6. State of Florida, Department of Environmental Regulation Ad-Hoc Technical Advisory Committee on Urban Runoff Problems (since 1976) and stormwater management (since 1982).

7. State Department of Environmental Regulation, Chapters 17-25 & 17-40 Reviewer (1980-Present).
  8. Acting Executive Director, Wekiva Resources Council, 1988.
  9. President Elect, President, and Symphony Ball Chair 1988, Associate Board of the Florida Symphony, 1987-1992.
  10. Partners in Progress, Fund Raising Organization for Winter Park Hospital, Winter Park, Florida (1993-1997).
  11. Volunteer for Channel 24 Auction, Orlando, Fl. (1984-1996).
  12. Econlockhatchee River Task Force, Orlando Fl (1998-2002).
  13. Shepard's Hope and Homeless Outreach, Volunteer (2004)
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#### **PUBLICATIONS:**

1. Wanielista, M.P., Operations Research for the Health Care Administrator, GR-14-260-51-1, Medical Field Service School, San Antonio, Texas, January 1970.
2. Wanielista, M.P. "Linear Programming" Fourth Annual Workshop of AAPSE, Application of System Analysis in Sanitary Engineering Myrtle Beach, South Carolina, June 1969.
3. Lingle, K. Maj.; Wanielista, M. Capt.; and Wiorkowski, J. Capt., "A Monte Carlo Simulation of the Financial Management of Health Care Facilities," U.S. Army Operations Research Symposium, Durham, North Carolina, 1970 (pp. 283-295).
4. Wanielista, M.P., "An Evaluation of the Design and Operations of Water Treatment Plants," a Ph.D. Thesis presented to Cornell University, Ithaca, New York, January 1971.
5. Wanielista, M.P., "Water Resources and Treatment," Annual Symposium of the Institute of Environmental Sciences, Florida Technological University, Orlando, Florida, April 3, 1971 (pp. 29-39).
6. Wanielista, M.P. and Falkson, L.M., "Flexibility in Water Treatment Plant Design," JAWWA 63 (May 1971): 281-284.
7. Wanielista, M.P. and Ventre, G. "Airport Ecology - Wastewater, Noise, and Air," Presented to the City of Orlando, Florida, June 1, 1971.
8. "Mathematical Models in Solid Waste Programs," Presented at the ASCE Annual Meeting and National Meeting on Environmental Engineering St. Louis, Missouri, October 22, 1971.
9. Wanielista, M.P., "Planning a Solid Waste Collection System," in News Briefs, Civil

Engineering ASCE (June 1972): 99.

10. "Centralization of Waste Treatment Facilities," Presented at the Operations Research Society of America Annual Meeting, Los Angeles, California, October 29, 1971.
11. "Mathematical Models of Treatment Systems," Presented at the Florida Pollution Control Association and the Florida Section American Water Works Association 22nd Annual Conference, Miami Beach, Florida, November 1971.
12. "Discarding Plastics and Pollution," 1972 Lecture Series of the Central Florida Chapter of the American Society for Metals (ASM), January 27, 1972.
13. "Design Considerations and Cost of Advanced Wastewater Treatment," FESE/IG Environment Short Course, Florida Engineering Society, September 14, 1972.
14. Wanielista, M.P., and Bauer, C.S., "Centralization of Waste Treatment Facilities," JWPCF 44 (December 1972): 2229-2238.

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**PUBLICATIONS (Continued):**

15. Wanielista, M.P., "Modeling Concepts for System of Treatment Processes: Design and Operation," AEEP 8th Annual Workshop, Bahama Islands, December 20, 1972.
16. "Man and Environment," Teaching Engineering Courses for Non-Engineers, ASEE/Southeastern Section/ERM Division, Winter Park, Florida, February 1, 1973.
17. Wanielista, M.P., et al., "Engineering to Improve Lake Quality," Public Works (April 1973): 79-83, 117.
18. Sheffield, C.W.; Wanielista, M.P.; et al., "Lake Restoration Methods," 28th Annual Purdue Industrial Waste Conference, May 1, 1973.
19. Keinath, T., and Wanielista, M.P., editors, "Mathematical Modeling in Environmental Engineering" 8th Annual AEEP Workshop, December 1972.
20. Boyter, C., and Wanielista, M.P., "Review of Lake Restoration Procedures," WRB 9, 3 (June 1973): 449-511.
21. Wanielista, M.P., and McLellon, W.M., editors. "Workshop on Environmental Impact Statements," FTU, ASCE Publication, Orlando, Florida, June 1973.
22. Wanielista, M.P., "Stormwater, Lake Eola, and the Future," in Proceedings of the Stormwater Quality Seminar, HUD-ECFRPC, Orlando, Florida, June 4, 1973.
23. Contributor to: The Water Quality Management Plan for Duval County, Florida, Frederick R.

- Harris, Inc. and the Jacksonville Area Planning Board, September 30, 1973. Conducted system analysis for regionalization of treatment facilities.
24. Contributor to: Palm Beach County Water Quality Management Plan, Area Planning Board and William M. Bishop Consulting Engineers, September 1973. Conducted system analysis for regionalization of treatment facilities.
  25. Wanielista, M.P., and Block, D.L., "Modeling of Regional Treatment System Facilities," 1974 IEEE Region 3 Conference, May 1, 1974.
  26. "Stormwater Management," ASCE Water Resources Technical Group, Orlando, Florida, June 9, 1975.
  27. Osborne, J.A.; Wanielista, M.P.; and Yousef, Y.A.; "Benthic Fauna Species Diversity in Six Central Florida Lakes in Summer," Hydrobiologia 48a (1976): 125-129.
  28. Wanielista, M.P., and Kosky, K., "Fugitive Particulate from Highway Construction," Howard, Needles, Tammen, and Bergendoff, New Jersey (part of research report to Federal DOT, Transportation Research Board), September 1974.

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**PUBLICATIONS (Continued):**

29. Fagan, R., and Wanielista, M.P., "Hydrocarbon Fumes in the Vicinity of Asphaltic Paving Operations," Howard, Needles, Tammen, and Bergendoff, New Jersey (part of research report to Federal DOT, Transportation Research Board), September 1974.
30. Fagan, R.H.; Wanielista, M.P.; et al., "Lakeland Power Plant Evaluation," Florida Technological University for the State Department of Pollution Control, Orlando, Florida, January 1975.
31. Huttner, F.; Wanielista, M.P.; and Yousef, Y.A.; "New Nitrogen Removal Process Sought," The Overflow (March-April 1975): 6, 8.
32. Kosky, K.F., and Wanielista, M.P., "Fugitive Particulate from Highway Construction," 68th Air Pollution Control Association Annual Meeting, June 18, 1975.
33. Wanielista, M.P.; McLellon, W.M.; and Smith, L.; "Environmental Impact Statements and Civil Engineering" Engineering issues - Journal of Professional Activities, ASCE, July 1975.
34. Wanielista, M.P., editor, Proceedings of the Stormwater Management Workshop, Florida Technological University, Orlando, Florida, February 1975.
35. Hartman, J.P.; Wanielista, M.P.; McLellon, W.M.; and Yousef, Y.A.; "A Five Year Basic and Advanced Level Program in Environmental Engineering" ASEE Annual Conference, June 14-17, 1976.

36. "Mathematical Models for Nonpoint Source Management," Second Annual Environmental Engineering Symposium, South Florida Section, ASCE, Miami Beach, Florida, December 5, 1975.
37. Keinath, T.M., and Wanielista, M.P., editors, Mathematical Modeling for Water Pollution Control Processes, Ann Arbor, Michigan: Ann Arbor Science Publishers, Inc., 1975.
38. Wanielista, M.P.; Yousef, Y.A.; and McLellon, W.M.; "Transient Water Quality Responses from Nonpoint Sources," Journal Water Pollution Control Federation (March 1977): 441-451.
39. Wanielista, M.P., et al., Nonpoint Source Effects, a research report sponsored by the State Department of Environmental Regulation, Florida Technological University, January 1976.
40. Wanielista, M.P., editor, "The Nature and Extent of Nonpoint Source Effects," in Nonpoint Source Workshop, Florida Technological University, February 1976.
41. Wanielista, M.P., "Mathematical Models for Nonpoint Source Management," 2nd Annual Environmental Engineering Symposium, South Florida Section, ASCE, Miami Beach, Florida, Fall 1976.
42. Hartman, J.P.; Wanielista, M.P.; and Baragona, G.T.; "Soil Loss Predictions in Nonpoint Source Pollution Studies," Proceedings of the National Soil Erosion Conference, Purdue University, May 24-26, 1976.

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**PUBLICATIONS (Continued):**

43. Wanielista, M.P.; Yousef, Y.A.; Izzo, J.; and Baragona, G.T.; "Nonpoint Effects from a Pasture and Woodland Area," 1976 Annual Meeting of the American Society of Agricultural Engineers, University of Nebraska, Lincoln, June 27-30, 1976.
44. Yousef, Y.A.; Wanielista, M.P.; et al., "Waste Load Allocation for Tampa Bay Tributaries," Technical Report ESEI-76-5, Florida Technological University, July 1976.
45. Wanielista, M.P., "Design Storms and the Computation of Excess Runoff," Urban Hydrology Workshop, Florida Technological University/ASCE, Lake Buena Vista, Florida, September 23, 1976.
46. Golding, B.L., and Wanielista, M.P., "Loading Rates and Pollutants," Urban Hydrology Workshop, Florida Technological University, Lake Buena Vista, Florida, September 23, 1976.
47. Wanielista, M.P., "Direct Use of Wastewater - The Case For," Workshop on Florida Water Problems, ASCE, University of South Florida, June 9-10, 1977.
48. Wanielista, M.P., "Quality Considerations in the Design of Holding Basins," Stormwater Detention/Retention Basin Workshop, Florida Technological University, Orlando, Florida, July

8, 1977.

49. Wanielista, M.P., "Stormwater Management Practices Evaluation," Report #ESEI-77-6, Florida Technological University, Orlando, Florida, June 1977.
50. Wanielista, M.P., "Best Management Practices Production Function Program, Technical Appendix A," Report #ESEI-77-7, Florida Technological University, Orlando, Florida, June 1977.
51. Beaver, R.D.; Wanielista, M.P.; and Hartman, J.P.; "Infiltration Studies for Stormwater Holding Basins, Technical Appendix B," Report #ESEI 77-8, Florida Technological University, Orlando, Florida, June 1977.
52. Beaver, R.D.; Hartman, J.P.; and Wanielista, M.P.; "Infiltration and Stormwater Retention/Detention Ponds," Stormwater Detention/Retention Basin Workshop, Florida Technological University, Orlando, Florida, July 8, 1977.
53. Wanielista, M.P., and Shannon, E.E., "Stormwater Management Practices Evaluation," Orlando Metropolitan 208, East Central Florida Regional Planning Council, July 1977.
54. Wanielista, M.P., "Stormwater Management Engineering" FES/Engineers in Government Environmental Short Course, Orlando, Florida, October 21, 1977.
55. Wanielista, M.P., and Calabrese, M.M., "Stormwater Management Practices Manual," Orlando Metropolitan 208, East Central Florida Regional Planning Council, December 1977.

**PUBLICATIONS (Continued):**

56. Wanielista, M.P. Stormwater Management: Quantity and Quality, Ann Arbor, Michigan: Ann Arbor Science, Inc., 1978 (412 pp).
57. Wanielista, M.P., and Bell, J., "Management of Heavy Metals in a Roadside Area," South Florida Section ASCE Annual Meeting, Miami, Florida, December 9-10, 1977.
58. Wanielista, M.P., and Yousef, Y.A., "Design and Operation of Stormwater Diversion/Retention Systems," First International Conference on Stormwater Drainage, Southampton, United Kingdom, April 11-15, 1978.
59. Wanielista, M.P., "Urban Storm Drainage Subject of International Conclave," Civil Engineering (July 1978): 22.
60. Wanielista, M.P., and Eckenfelder, W.W., Jr., Biological Nutrient Removal, Ann Arbor, Michigan: Ann Arbor Science, Inc., 1978 (286 pp).
61. Riley, O.; Wanielista, M.P.; et al., "Effect of Air Pollution Regulations on Highway Construction and Maintenance," National Cooperative Highway Research Program Report 191, 1978.
62. Wanielista, M.P., and Taylor, J.S., editors, Municipal Solid and Hazardous Wastes, EPA 600/19-79-023 (2 volumes), 1979.
63. Harper, H.H.; Yousef, Y.A.; and Wanielista, M.P.; "Productivity Responses of Lake Eola Water to Urban Runoff," Urban Stormwater and Combined Sewer Overflow Conference, Orlando, Florida, November 26-28, 1979.
64. Bell, J.H., and Wanielista, M.P., "Use of Overland Flow in Stormwater Management on Interstate Highways," Transportation Research Record 736, National Academy of Sciences, Washington, D.C., 1979.
65. Wanielista, M.P., "Lake Eola: A Case Study," Urban Stormwater and Combined Sewer Overflow Impacts Workshop, Orlando, Florida, Environmental Protection Agency, November 27, 1979.
66. Yousef, Y.A.; Taylor, J.S.; and Wanielista, M.P., editors, Proceedings - Urban Stormwater and Combined Sewer Overflow Impacts Workshop, Orlando, Florida, EPA Publication, November 1979.

**PUBLICATIONS (Continued):**

67. Wanielista, M.P., and Calabrese, M.M., "Retention Basin Designs," Florida Mosquito Control Association Annual Meeting, Fort Walton Beach, Florida, April 28, 1980.
68. Yousef, Y.A.; Christopher, J.; and Wanielista, M.P., "Impacts of Highway Bridges Runoff on Receiving Water Bodies," Florida DOT Environmental Aspects Conference, Tallahassee, Florida, June 16, 1980.
69. Gennaro, R., and Wanielista, M.P., "Biodegradation of Vehicular Waste Petroleum in Roadside Environments," Florida DOT Environmental Aspects Conference, Tallahassee, Florida, June 16, 1980.
70. Wanielista, M.P., "Stormwater Management Applications to Florida," Florida Water Quality Association, Howey-in-the-Hills, Florida, May 19, 1980.
71. Calabrese, M.M., and Wanielista, M.P., "Optimal Stormwater Management," 1980 Annual Meeting of the American Society of Agricultural Engineers, San Antonio, Texas, June 16, 1980.
72. Wanielista, M.P., et al., "Baccalaureate Education in Environmental Engineering" Fourth International Meeting on Environmental Engineering Toronto, Canada, June 19, 1980.
73. Calabrese, M.M., and Wanielista, M.P., "Optimization of Stormwater Management Practices and Processes Applicable to Coastal Areas," National Symposium on Urban Stormwater Management in Coastal Areas, ASCE, June 19, 1980.
74. Wanielista, M.P., and Yousef, Y.A., "An Example of Urban Watershed Management for Improving Lake Water Quality," 1980 International Conference on Lake Protection and Restoration, Portland, Maine, September 8-12, 1980.
75. Wanielista, M.P.; Yousef, Y.A.; and Christopher, J.E., "Management of Runoff from Highway Bridges," Florida Department of Transportation, Tallahassee, Florida, October 1980.
76. Wanielista, M.P.; Yousef, Y.A.; and Taylor, J.S., "Stormwater Management to Improve Lake Water Quality," Final report to the Environmental Protection Agency, October 1980.
77. Wanielista, M.P.; Yousef, Y.A.; and Taylor, J.S., "Project Summary, Stormwater Management to Improve Lake Water Quality," NTIS Report, 1980.
78. Curran, T., and Wanielista, M.P., "SMADA - Stormwater Management and Design Aid," ASCE 1980 Annual Meeting, Hollywood, Florida, October 29, 1980.
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