

Presentations & Publications, Dr. Andrew Kruzic

REFEREED JOURNAL PUBLICATIONS

McFarland, A. M. S., L. M. Hauck, and A. P. Kruzic, "Phosphorus Reductions in Runoff and Soils from Land-Applied Dairy Effluent Using Chemical Amendments," Texas Journal of Agriculture and Natural Resources, 2004.

Ley, A. V., R. B. Timmons, and A. P. Kruzic, "Surface Transport of Common Gases in Plasma Polymerized Allyl Alcohol Membranes." Journal of Membrane Science, 2003.

Puppala, A.J., Viyanant, C., Kruzic, A., and Perrin, L., "Evaluation of A Modified Sulfate Determination Method for Cohesive Soils," ASTM Geotechnical Testing Journal, 2002.

Kruzic, A. P., "Natural Treatment and On-site Processes," Wat. Env. Res., 69(4), 1997.

Kruzic, A. P. and K. D. White, "Natural Treatment and On-site Processes", Wat. Env. Res., 68(4), 1996.

Kruzic, A.P., "Natural Systems," Wat. Env. Res., 66(4), 1994.

Wei, C., W. Lin, Z. Zainal, N. E. Williams, K. Zhu, A. P. Kruzic, R. L. Smith, and K. Rajeshwar, "Bactericidal Activity of TiO₂ Photocatalysts in Aqueous Media: Towards a Solar-Assisted Water Disinfection System," Environ. Sci. Technol. 1994.

Ford, D. A., A. P. Kruzic, and R. L. Doneker, "Using GLEAMS to Evaluate the Agricultural Waste Application Rule-Based Decision Support (AWARDS) Computer Program," Wat. Sci. Tech., 28(3-5), 1993.

Kruzic, A. P. and E. D. Schroeder, "Nitrogen Removal in the Overland Flow Wastewater Treatment Process - Removal Mechanisms," J. Water Pollut. Control Fed., 62(7), 1990.

OTHER RECENT PUBLICATIONS AND PRESENTATIONS

Kruzic, A and T. Noack, "Effects of Coagulants, Mixing Time and Mixing Energy on Phosphorus Removal by Coagulation/Flocculation of Dairy Lagoon Wastewater," Poster Presentation at 2001 SERA-IEG 17 Annual Meeting, State College, Pennsylvania, July 2001.

Kruzic, A., Chapter 5, Vegetated Submerged Bed Systems, in EPA Manual, Constructed Wetlands Treatment of Municipal Wastewaters, EPA/625/R-99/010.

Govind, S. and A. Kruzic, Synchronous Distance Education via the Internet, American Society for Engineering Education Gulf-Southwest Section 2000 Annual Conference, Las Cruces, New Mexico, April 2000.

Szymkowiak, V. and A. Kruzic, "Optimizing Flocculator Power Input in Water Treatment Plants," Proceedings Texas Section American Society of Civil Engineers, Fall Meeting, Midland, Texas, 1999.

Meintser, S., A. Kruzic, and H. Tang, "Attached Growth on Clinoptilolite for Enhanced Nitrogen Removal in a Septic Tank Leachfield System," Proceedings of the Water Environment Federation 71th Annual Conference and Exposition, Orlando, Florida, 1998.

Kruzic, A., S. Meintser, and K. Rhodes, "Use of Clinoptilolite for Ammonia Removal from a Dairy Lagoon Wastewater," Proceedings of the Water Environment Federation 70th Annual Conference and Exposition, Chicago, Illinois, 1997.

Kruzic, A. P., L. M. Hauck and J. L. White, "Comparison of Overland Flow with Conventional and Innovative Constructed Wetlands for Treating a Dairy Lagoon Wastewater," Proceedings of the Second National Workshop, Constructed Wetlands for Animal Waste Management, Fort Worth, Texas, 1996.

FUNDED RESEARCH ACTIVITIES

"Investigation of the Sources and Nature of the Unusual Blue-Green Colored Water and White Powder Found in a Storm Water Drainage Channel Near Interstate 20," City of Arlington, 5/03-12/03, \$13,616

"Investigations of Phosphorus Reduction in Dairy By-Products using Chemical Amendments," UTA subcontract to Tarleton State University, 9/00-8/01 \$25,000.

"Investigation of Enhanced High Rate Clarification at the Village Creek Wastewater Treatment Plant," Camp, Dresser, and McKee, Inc., 9/98-3/99, \$9,970.

"Comparison of Overland Flow with Constructed Wetlands for Treating a Dairy Lagoon Wastewater," Advanced Technology Program, 1/96-12/97, \$89,200.