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Publication List

Refereed Journal Articles:

Li, Guangyong, W. Jiandong, **M. Alam** *, and Z. Yuefen. 2004. Influence of Geometrical Parameters of Labyrinth Path of Drip Emitters on Hydraulic and Anti-clogging Performance. Transactions of the ASABE. Vol. 49(3):in press. * Corresponding author.

Alam, M., T. P. Trooien, T. J. Dumler, and D. H. Rogers. 2002. Using Subsurface Drip Irrigation for Alfalfa. Journal of the American Water Resources Association. Vol.38, No.6, 1-7.

Alam, M., T. P. Trooien, D. H. Rogers, and T. J. Dumler. 2002. An Efficient Irrigation Technology for Alfalfa Growers. Journal of Extension. Vol. 40, No.3, 1-9.

Alam, M., and T. P. Trooien. 2001. Estimating Crop Water Use With an Atmometer. Applied Engineering in Agriculture. Vol. 17(2). Journal of the ASAE.

Trooien, T. P., F. R. Lamm, L. R. Stone, **M. Alam**, D. H. Rogers, G. A. Clark, and A. J. Schlegel. 2000. Subsurface Drip Irrigation Using Livestock Wastewater: Drip line Flow Rates. Applied Engineering in Agriculture. Vol. 16(5): 505-508. Journal of the ASAE.

Fiscus, E. L., **A.N.M. Mahbub ul Alam**, and T. Hirasawa. 1991. "Fractional Integrated Stomatal Opening to Control Water Stress in the Field." Crop Science, 31:1001-1008 (91).

Non-Refereed Publications:

1. Schlegel, A. J., L. Stone, H. D. Bond, and **M. Alam**. 2005. Land Application of Animal Wastes on Irrigated Corn. In Southwest Research and Extension Center Report of Progress SRP 945. Kansas State University AES and CES, Manhattan, KS 66506.
2. Willson, T. C., N. L. Klocke, A. J. Schlegel, and **M. Alam**. 2004. Water quality and quantity issues associated with irrigated alfalfa production in Southwest Kansas. Proceedings of the 20th Annual Water and Future of Kansas, Conference theme: Competing Priorities, Resolving Conflicts. Lawrence, Kansas, March 11, 2004.
3. Willson, T. C., N. L. Klocke, **M. Alam**, A. J. Schlegel. 2004. Rapid removal of soil nitrate with conventional and non-nitrogen-fixing alfalfa. Proceedings of the 2004 Great Plains Soil Fertility Conference, Denver, CO, March 2-3, 2004.
4. **Alam, M.**, D. H. Rogers, F. R. Lamm, and T. P. Trooien. 2003. Filtration: A Basic Component for SDI to Avoid Clogging Hazards. In Proceedings of the Central Plains Irrigation Short Course, Colby, KS. February 4-5, 2003. Available from CPIA. 760 N. Thompson, Colby, KS. pp 212-219.
5. Rogers, D. H., F. R. Lamm, and **M. Alam**. 2003. SDI Water Quality Assessment Guidelines. Proceedings of the Central Plains Irrigation Short Course, Colby, KS. February 4-5, 2003. Available from CPIA. 760 N. Thompson, Colby, KS. pp 220-229.

6. Rogers, D. H., G. Clark, **M. Alam**, R. Stratton, D. Fjell and S. Briggeman. 2003. Mobile Irrigation Lab (MIL): Center Pivot Uniformity Evaluation Procedure and Field Results. Proceedings of the Central Plains Irrigation Short Course, Colby, KS. February 4-5, 2003. Available from CPIA. 760 N. Thompson, Colby, KS. pp 78-84.
7. **Alam, M.**, and T. J. Dumler. 2002. Using Subsurface Drip Irrigation for Alfalfa. In Proceedings of the Central Plains Irrigation Short Course, Lamar, CO., Feb. 5-6, 2002. Available from CPIA, 760 N. Thompson, Colby, KS. pp. 102-109.
8. **Alam, M.**, T. P. Trooien, F. R. Lamm, and D. H. Rogers. 2002. Filtration and Maintenance Considerations for SDI Systems. In Proceedings of the Central Plains Irrigation Short Course, Lamar, CO., Feb. 5-6, 2002. Available from CPIA, 760 N. Thompson, Colby, KS. pp. 110-121.
9. Lamm, F. R., T. P. Trooien, L. R. Stone, **M. Alam**, D. H. Rogers, G. A. Clark, and A. J. Schlegel. 2002. Using Livestock Wastewater with SDI: A Status Report after Four Seasons. In Proceedings of the Central Plains Irrigation Short Course, Lamar, CO., Feb. 5-6, 2002. Available from CPIA, 760 N. Thompson, Colby, KS. pp. 8-15.
10. Rogers, D. H. and **M. Alam**. 2002. Comparing Irrigation Energy Costs. In Proceedings of the Central Plains Irrigation Short Course, Lamar, CO., Feb. 5-6, 2002. Available from CPIA, 760 N. Thompson, Colby, KS. pp. 168-175.
11. **Alam, M.**, T. Dumler, and G. Gold. 2002. Timing the Last Irrigation for Optimal Corn Production and Water Conservation. In Southwest Research-Extension Center Report of Progress No. 895 Kansas State University Agricultural Experiment Station and Cooperative Extension Service.
12. Schlegel, A., L. R. Stone, C. W. Rice, and **M. Alam**. 2001. Soil Chemical Properties in Western Kansas Fields with a History of Animal Waste Application. *In* Animal Waste Management & Utilization: Final Report by K-State Research and Extension, Vol. II, Land Application of Animal Waste. Pp. 105-115. Published by K-CARE and K-State Research & Extension.
13. Lamm, F. R., T. P. Trooien, L. R. Stone, **M. Alam**, D. H. Rogers, G. A. Clark, and A. J. Schlegel. 2001. Using Livestock Wastewater with SDI – A status Report after Three Seasons. *In* Animal Waste Management & Utilization: Final Report by K-State Research and Extension, Vol. II, Land Application of Animal Waste. Pp. 145-151. Published by K-CARE and K-State Research & Extension.
14. Lamm, F. R., T. P. Trooien, A. J. Schlegel, L. R. Stone, and **M. Alam**. 2001. Applying Swine Wastewater with SDI and LEPA Sprinkler Irrigation – A Progress Report. *In* Animal Waste Management & Utilization: Final Report by K-State Research and Extension, Vol. II, Land Application of Animal Waste. Pp. 152-156. Published by K-CARE and K-State Research & Extension.
15. **Alam, M.**, T. P. Trooien, D. H. Rogers, T. J. Dumler. 2001. Subsurface Drip Irrigation for Alfalfa: An Extension Approach to Address Kansas Farmers' Questions. *In*: Southwest Research-Extension Center Report of Progress No.877, presented on Field Day. Pp 28-33.
16. **Alam, M.**, D. H. Rogers, and T. J. Dumler. 2001 Irrigation Scheduling Demonstration Project in Western Kansas. *In*: Southwest Research-Extension Center Report No.877, presented on Field Day. Pp 34-36.
17. **Alam, M.**, T. P. Trooien, S. Stone, and D. H. Rogers. 2001. Subsurface Drip Irrigation for Alfalfa in Kansas. Proceedings of Central Plains Irrigation Short Course. Feb. 5-6, Kearney, Nebraska.
18. Lamm, F. R., T. P. Trooien, L. R. Stone, and **M. Alam**. 2001. Using Livestock Wastewater with SDI – A Status Report After Three Seasons. *In*: Proceedings of Central Plains Irrigation Short Course. Feb. 5-6, Kearney, Nebraska.

19. Rogers, D. H., G. A. Clark, and **M. Alam**. 2001. Field Scale Evaluation of Center Pivot Systems. *In: Proceedings of Central Plains Irrigation Short Course*. Feb. 5-6, Kearney, Nebraska.
20. **Alam, M.**, T. P. Trooien, D. H. Rogers, and T. J. Dumler. 2001. Subsurface Drip Irrigation for Alfalfa: An Extension Approach to Address Kansas Farmers' Questions. ASAE Paper No. MC 01-207, presented at St. Joseph, MO.
21. **Alam, M.**, and W. Kabir. 2001. Land Use Conflict in Bangladesh. Presented in the 35th Bengal Studies Conference. Manhattan, Kansas.
22. **Alam, M.**, P. Polak, and T. Gibson. 2001. The Treadle Pump – An Appropriate Technology for Small Scale Irrigation in Bangladesh. Presented in the 35th Bengal Studies Conference. Manhattan, Kansas.
23. **Alam, M.**, T. Trooien, and D. Rogers. 2000. Irrigation Scheduling Demonstration in Western Kansas. *In: Proceedings of Central Plains Irrigation Short Course and Exposition*. Feb. 9-10, Garden City, Kansas.
24. Trooien, T. P., F. R. Lamm, L. R. Stone, **M. Alam**, D. H. Rogers, G. A. Clark, and A. J. Schlegel. 2000. Using livestock wastewater with SDI. *In: Proceedings of Central Plains Irrigation Short Course and Exposition*. Feb. 9-10, Garden City, Kansas.
25. Trooien, T. P., F. R. Lamm, L. R. Stone, **M. Alam**, D. H. Rogers, G. A. Clark, and A. J. Schlegel. 2000. Two Years of Subsurface Drip Irrigation with Lagoon Wastewater. Report of Progress 856. Kansas State University Agricultural Experiment Station and Extension Service.
26. **Alam, M.**, T. P. Trooien, D. H. Rogers. 1999. Irrigation Scheduling Demonstration for Water Conservation in Western Kansas. *In: Proceedings of the Central Plains Irrigation Short Course and Exposition*, Sterling, Colorado. February 9-10, 1999. Pp. 72-77. CPIA, Colby, Kansas.
27. **Alam, M.**, T. P. Trooien, and D. H. Rogers. 1999. Field application of ET-based irrigation scheduling in western Kansas. *In: Proceedings of the Irrigation Association International Irrigation Show and Conference*. Irrigation Association, Fairfax, VA. Pp. 141-146.
28. **Alam, M.**, T. P. Stone, and D. H. Rogers. 1999. Subsurface drip irrigation for alfalfa. *In: Proceedings of the Irrigation Association International Irrigation Show and Conference*. Irrigation Association, Fairfax, VA. Pp. 23-30
29. **Alam, M.**, T. P. Trooien, and D. H. Rogers. 1999. Field application of ET-based irrigation scheduling in western Kansas. *In: Southwest Research-Extension Center Field Day 1999*. Kansas Agric. Exp. Station Report of Progress SRP 837. K-State Research and Extension, Manhattan, KS. Pp. 22-24.
30. Trooien, T. P., F. R. Lamm, L. R. Stone, **M. Alam**, D. H. Rogers, G. A. Clark, and A. J. Schlegel. 1999. Testing subsurface drip irrigation laterals with lagoon wastewater. *In: 16th Proceedings Water and the Future of Kansas*. Kansas Water Resources Research Institute, Manhattan, Kansas. Pp.28-30.
31. Trooien, T. P., F. R. Lamm, L. R. Stone, **M. Alam**, D. H. Rogers, G. A. Clark, and A. J. Schlegel. 1999. Testing subsurface drip irrigation laterals with lagoon wastewater. *In: Proceedings of the Irrigation Association International Irrigation Show and Conference*. Irrigation Association, Fairfax, VA.
32. Trooien, T. P., F. R. Lamm, L. R. Stone, **M. Alam**, D. H. Rogers, G. A. Clark, and A. J. Schlegel. 1999. Testing subsurface drip irrigation laterals with lagoon wastewater. *In: Southwest Research-Extension Center Field Day 1999*. Kansas Agric. Exp. Station Report of SRP 837. Pp.19-21.
33. Schlegel, A. J. and **M. Alam**. 1999. Soil Chemical properties following animal waste application. *In: Agronomy Abstracts*. ASA, Madison, WI. P.317.
34. Schlegel, A. J., C. Rice, G. Pierzynski, L. Stone, and **M. Alam**. 1999. Impact of land application of animal wastes on soil chemical, biological, and physical properties. *In: Update and Summary of Animal Waste Management and Utilization by Kansas State University*, Report to the Kansas Legislature (House Environment Committee, House Agriculture Committee, Senate Energy and Natural resources Committee, and Senate Agriculture Committee). 2p.

35. Schlegel, A. J., C. Rice, G. Pierzynski, and **M. Alam**. 1999. Soil changes due to long-term manure applications. *In*: 16th Proceedings of Water and Future of Kansas. KWRRRI – KSU, Manhattan, KS.
36. Schlegel, A. J., **M. Alam**, C. Rice, and G. Pierzynski. 1999. Residual soil nitrogen and phosphorus after manure applications. *In*: Southwest Research-Extension Center Field Day 1999. Kansas Agric. Exp. Sta. Report of Progress SRP 837.
37. **Alam, M.**, A. Gaus, K. Hines, and R. Antonio. 1998. Subsurface Micro irrigation for Strawberries. *In* Proceedings of the Irrigation Association Annual International Irrigation Show. San Diego, CA, Nov. 1-3, 1998. Pp. 55-62.
38. **Alam, M.**, T. P. Trooien, and D. H. Rogers. 1998. Irrigation Scheduling for Water Conservation. *In* Proceedings of the Irrigation Association Annual International Irrigation Show. San Diego, CA, Nov. 1-3, 1998. Pp. 97-101.
39. T. P. Trooien, **Alam, M.**, and F. R. Lamm. 1998. Filtration and Maintenance Considerations for SDI Systems. *In*: Proceedings Central Plains Irrigation Short Course and Exposition, February 17-18, 1998, North Platte, Nebraska. CPIA, Colby, KS.
40. Trooien, T. P., and **M. Alam**. 1998. Use of the worldwide web to disseminate daily weather and estimated Evapotranspiration data. *In* Proceedings of the Irrigation Association Annual International Irrigation Show. San Diego, CA, Nov. 1-3, 1998. Pp. 111-115.
41. **Alam, M.** 1997. Irrigation Efficiencies of Surface Systems. Proceedings of Central Plains Irrigation Short Course and Exposition, Colby, Kansas. Pp. 45-48.
42. Lamm, F. R., T. P. Trooien, G. A. Clark, D. H. Rogers and **M. Alam**. 1997. SDI and electro technologies. *In* Proceedings of the Agricultural Technology Alliance, May 1997 meeting, Boise, ID. EPRI-ATA Report CR-108686.

Posters/Abstracts:

1. Willson, T. C., A. J. Schlegel, N. L. Klocke, T. Dumler, and **M. Alam**. 2004. Integrated manure and water management for corn production in Western Kansas. *Agronomy Abstracts: 2004 Annual Meetings*, American Society of Agronomy.
2. Rogers, D. H., **M. Alam**. 2003. Mobile Irrigation Lab – A service tool for training irrigation scheduling, fuel cost analysis, and center pivot evaluation. *Central Plains Irrigation Short Course*. Colby, KS. Feb. 4-5, 2003.
3. **Alam, M.** 2002. Use of SDI for Alfalfa. *Southwest Irrigation Association Annual Meeting*, Ulysses, KS. Feb. 1, 2002. (15)
4. **Alam, M.** 2002. Mobile Irrigation Lab: Education and Technical Assistance. *Southwest Irrigation Association Annual Meeting*, Ulysses, KS. Feb. 1, 2002. (20)
5. **Alam, M.**, T. J. Dumler, and G. Gold. 2002. Last Irrigation for Corn and Water Conservation. *In*: *Managing Our Water Supplies*. Proceedings of the 19th Annual Water and the Future of Kansas Conference. March 5, 2002. Lawrence, Kansas. Available from K-CARE, Kansas State University. (54 came to booth)
6. Rogers, D., G. Clark, R. Stratton, and **M. Alam**. 2002. Mobile Irrigation Lab. *In*: *Managing Our Water Supplies*. Proceedings of the 19th Annual Water and the Future of Kansas Conference. March 5, 2002. Lawrence, Kansas. Available from K-CARE, Kansas State University. (57)
7. Rogers, D., G. Clark, F. Lamm, and **M. Alam**. 2002. Subsurface Drip Irrigation (SDI) – A System Option for Kansas. *In*: *Managing Our Water Supplies*. Proceedings of the 19th Annual Water and the Future of Kansas Conference. March 5, 2002. Lawrence, Kansas. Available from K-CARE, Kansas State University. (60)
8. **Alam, M.**, T. P. Trooien, D. H. Rogers, and T. J. Dumler. 2001. Use of Subsurface Drip Irrigation for Alfalfa. *Subsurface Drip Irrigation (SDI) Technology Field Day*. August 7, 2001. (2 Sessions). (195)
9. **Alam, M.**, D. H. Rogers, T. P. Trooien, and T. J. Dumler. 2001. Irrigation Scheduling Demonstration Project in Western Kansas. *The value of Water*. Proceedings of the 18th Annual Conference of Water and the Future of Kansas. March 13, 2001. Manhattan, Kansas.
10. **Alam, M.**, T. P. Trooien, D. H. Rogers, and F. R. Lamm. 1999. Water conservation in Western Kansas: Technology at Work. *Symposium 1999: Ogallala Aquifer*, March 10-12, 1999. Oklahoma City, OK. Great Plains Foundation.

11. **Alam, M.**, T. P. Trooien, and D. H. Rogers. 1999. Irrigation scheduling demonstration in western Kansas. Water and Future of Kansas Conference, March 2, 1999. Kansas Water Resource Research Institute at KSU, Manhattan, KS.
12. K-State poster presentation and irrigation management handout distribution. Also present answers to frequently asked questions on irrigation at 3-I show at Garden City, Kansas. April 20-21, 1999.
13. **Alam, M.**, T. P. Trooien, D. H. Rogers, and G. A. Clark. 1999. Sprinkler Uniformity: Field Test Results. K-State Research and Extension Annual Conference, Nov. 18, 1999. KSU, Manhattan.
14. **Alam, M.**, T. P. Trooien, and D. H. Rogers. 1999. Irrigation scheduling demonstration. K-State Research -Extension Annual Conference, KSU, Manhattan, KS.
15. **Alam, M.**, and D. H. Rogers. 1999. Corn Commission funded irrigation scheduling demonstration projects. Commodity Classics, Salina, Kansas.
16. **Alam, M.**, T. P. Trooien, and D. H. Rogers. 1998. Southwest Kansas Irrigation Management Program Areas and Irrigation Scheduling Demonstration. Poster presentation. KSU President, Kansas Legislative Members, and Dignitaries Tour to Southwest Kansas. Southwest Area Extension Office, Garden City, Jun. 30, 1998.
17. **Alam, M.**, T. P. Trooien, and D. H. Rogers, 1998. Irrigation Demonstration Tools and Irrigation Management Program Areas. Southwest Kansas Groundwater Management District Board Meeting, Garden City, July 8, 1998.
18. **Alam, M.**, T. P. Trooien, and D. H. Rogers. 1998. Irrigation Scheduling Demonstration Project at Southwest Kansas. Poster presentation. K-State Research and Extension Annual Conference, Manhattan, Kansas. Oct. 26, 1998.

Articles included in International Meeting Proceedings:

1. Li, Guangyong, W. Jiandong, **M. Alam**, and Z. Yufen. 2004. The Influence of Geometrical Parameter of Dental Flow Passage of Labyrinth Drippers on Hydraulic and Anti-clogging Performance. In Proceedings: Annual International Irrigation Conference and Show. The Irrigation Association. Tampa, Florida. Nov. 14-17, 2004.
2. Rogers, D. H., G. A. Clark, and **M. Alam**, 2004. Irrigation Impact and Trends in Kansas Agriculture. In Proceedings: Annual International Irrigation Conference and Show. The Irrigation Association. Tampa, Florida. Nov. 14-17, 2004.
3. **Alam, M.**, W. Kabir. 2004. Irrigated Agriculture in Bangladesh and possible impact due to Inter-Basin Water Transfer as planned by India. In Proceedings: ASAE/CSAE Annual International Meeting, August 1-4, 2004. Ottawa, Canada. Paper No. 042290. Available from ASAE, St. Joseph, MI 49085.
4. **Alam, M.**, and R. Zimmerman. 2003. Plastic mulch and drip irrigation effects on Kabocha squash yield and soluble solids content. In Water-Saving Agriculture and Sustainable Use of Water and Land Resources. Proceedings of International Conference held on Oct. 26-29, 2003, in Yangling, Shaanxi, P. R. China. Edited by S. Kang, B. Davies, L. Shan, and H. Cai. Vol. 1, pp. 370-375. Published by Shaanxi Science and Technology Press.
5. **Alam, M.**, and J. Elliott. 2003. Validating the use of an atmometer as an irrigation management tool. In Proceedings: ASAE Annual International Meeting, July 27-30, 2003, at Las Vegas, Nevada. Paper No. 032142. Available from ASAE, St. Joseph, MI 49085.
6. Li, G., Z. Qiong, F. Cai, and **M. Alam**. 2003. Effects of Irrigation Frequency on Salt Regime and Cotton Growth under Mulched Drip Irrigation. In Proceedings: ASAE Annual International Meeting, July 27-30, 2003, at Las Vegas, Nevada. Paper No. 032246. Available from ASAE, St. Joseph, MI 49085.
7. Klocke, N. L., C. Hunter, Jr., and **M. Alam**. 2003. Application of a Linear Move Sprinkler System for Limited Irrigation Research. In Proceedings: ASAE Annual International Meeting, July 27-30, 2003, Las Vegas, Nevada. Paper No. 032012. Available from ASAE, St. Joseph, MI 49085.
8. **Alam, M.**, C. Thompson, T. Trooien, and A. Schlegel. 2003. Demonstration of BMPs to Avoid Groundwater Pollution from Application of Livestock Manure to cropland. KDHE Project NPS 99-004 Report at www.kdhe.state.ks.us/nps/resources/LivestockManure.pdf
9. **Alam, M.**, and R. Zimmerman. 2002. Subsurface Drip irrigation and Plastic Mulch Effects on Yield and Brix Levels of Kabocha Squash. In Proc. Irrigation Assoc. Int'l.

- Irrigation Technical Conference, October 24-26, 2002, New Orleans, LA. Available from Irrigation Assoc. Falls Church, VA.
10. Lamm, F. R., T. P. Trooien, G. A. Clark, L. R. Stone, **M. Alam**, D. H. Rogers, and A. J. Schlegel. 2002. Using beef lagoon wastewater with SDI. In Proc. Irrigation Assoc. Int'l. Irrigation Technical Conference, October 24-26, 2002, New Orleans, LA. Available from Irrigation Assoc., Falls Church, VA.
 11. Clark, G., D. Rogers, **M. Alam**, D. Fjell, and S. Briggeman. 2002. A Mobile Irrigation Lab for Water Conservation: I. Physical and Electronic Tools. In Proc. Irrigation Assoc. Int'l. Irrigation Technical Conference, October 24-26, 2002, New Orleans, LA,. Available from Irrigation Assoc., Falls Church, VA.
 12. Rogers, D. H., G. Clark, **M. Alam**, R. Stratton, and S. Briggeman. 2002. A Mobile Irrigation Lab for Water Conservation: II. Educational Programs and Field Data. In Proc. Irrigation Assoc. Int'l. Irrigation Technical Conference, October 24-26, 2002, New Orleans, LA,. Available from Irrigation Assoc., Falls Church, VA.
 13. **Alam, M.**, D. H. Rogers, T. J. Dumler, and G. L. Gold. 2002. Effect of Irrigation Ending Date on Corn Yield and Irrigation Scheduling for Water Conservation. In Proc. ASAE Annual International Meeting/CIGR XVth World Congress, July 28-31, 2002, at Chicago. Paper No. 022062. Available from ASAE, St. Joseph, MI 49085.
 14. Rogers, D. H., G. Clark, **M. Alam**, D. Fjell, and R. Stratton. 2002. A Mobile Irrigation Lab (MIL): Bringing Education and Technical Assistance to the Farm in the Computer Age. In Proc. ASAE Annual International Meeting/CIGR XVth World Congress, July 28-31, 2002, at Chicago. Paper No. 022021. Available from ASAE, St. Joseph, MI 49085.
 15. **Alam, M.**, T. Trooien, and D. Rogers. 2000. Subsurface Drip Irrigation for Alfalfa in Western Kansas. Proceedings 6th. International Micro-Irrigation Congress. 22-27 October, Cape Town, South Africa.
 16. **Alam, M.**, T. Trooien, S. Stone, and D. Rogers. 2000. Subsurface Drip Irrigation for Alfalfa. Proceedings of the 4th. Decennial National Irrigation Symposium. November 14-16, Phoenix, Arizona.
 17. Trooien, T. P., F. R. Lamm, L. R. Stone, **M. Alam**, D. H. Rogers, G. A. Clark, and A. J. Schlegel. 2000. Using subsurface drip irrigation with livestock wastewater. Proceedings of the 4th. Decennial National Irrigation Symposium. November 14-16, Phoenix, Arizona.
 18. **Alam, M.**, T. Trooien, and D. Rogers. 2000. Irrigation Scheduling Demonstration in Western Kansas. Proceedings of the 4th. Decennial National Irrigation Symposium. November 14-16, Phoenix, Arizona.
 19. **Alam, M.**, H. R. Duke, and W. Orendorf. 1996. ET Information Use by Colorado Farmers. In *Evapotranspiration and Irrigation Scheduling*, Proceedings of the International Conference, ASAE, San Antonio, Texas. Pp. 928-932

Extension Publications:

1. Rogers, D. H., F. R. Lamm, **M. Alam**. 2003. Subsurface Drip Irrigation (SDI) Components: Minimum Requirements. MF- 2576. July 2003. **ASAE Blue Ribbon Award**
2. Rogers, D. H., F. R. Lamm, **M. Alam**, and G. M. Powell. 2003. Shock Chlorination Treatment for Irrigation Wells. K-State Research and Extension. MF- 2589. July 2003. **ASAE Blue Ribbon Award**
3. **Alam, M.**, T. P. Troien, F. R. Lamm, and D. H. Rogers 2003. Filtration and Maintenance Considerations for Subsurface Drip Irrigation (SDI) Systems. MF- 2361 (Revised). July 2003.
4. Lamm, F. R., D. H. Rogers, **M. Alam**, and G. A. Clark. 2003. Management Considerations for Operating a Subsurface Drip Irrigation (SDI) System. MF-2590. November 2003.
5. Rogers, D. H., **M. Alam**, D. Fjell, G. Clark and B. Stratton. 2003. Mobile Irrigation Lab. Fuel Cost – An Irrigation Fuel Cost Evaluator. K-State Research and Extension. MF – 2587. June 2003.
6. Rogers, D. H., F. R. Lamm, and **M. Alam**. 2003. Subsurface Drip Irrigation Systems (SDI) Water Quality Assessment Guidelines. K-State Research and Extension. MF- 2575. July 2003.

7. Lamm, F. R., D. H. Rogers, **M. Alam**, and G. A. Clark. 2003. Design Considerations for Subsurface Drip Irrigation (SDI) Systems. K-State Research and Extension. MF- 2578. July 2003.
8. **Alam, M.**, and D. H. Rogers. 2002. Scheduling Irrigations by Electrical Resistance Blocks. L-901 Revision.
9. Rogers, D., D. Fjell, **M. Alam**, G. Clark, R. Stratton. 2002. Mobile Irrigation Lab: KanSched – An ET – Based Irrigation Scheduling Tool. MF-2550. **ASAE Blue Ribbon Award**
10. Rogers, D., **M. Alam**, D. Fjell, R. Stratton, G. Clark. 2002. Mobile Irrigation Lab: Irrigate – A Useful Tool for Irrigation and Rainfall Water Measurement. MF-2552.
11. Rogers, D., D. Fjell, **M. Alam**, G. Clark, R. Stratton. 2002. Mobile Irrigation Lab: Education and Technical Assistance. MF-2551.
12. **Alam, M.**, and D. H. Rogers. 2001. Useful Conversions and Formulas. MF-1040 Revision
13. Rogers, D. H. and **M. Alam**. 1999. Irrigation Formulas and Conversions. MF-2404
14. Rogers, D. H. and **M. Alam**. 1999. Comparing Irrigation Energy Costs. MF-2360 Revised
15. **Alam, M.**, T. P. Trooien, F. R. Lamm, and D. H. Rogers. 1998. Filtration and Maintenance Considerations for Subsurface Drip Irrigation (SDI) Systems. No. MF-2361.
16. D. H. Rogers and **M. Alam**. 1998. Comparing Irrigation Energy Cost. No. AF-146.
17. D. H. Rogers and **M. Alam**. 1998. Useful Conversions and Formulas. No. MF-1040.
18. D. H. Rogers and **M. Alam**. 1998. Soil Water Measurements: An Aid to Irrigation Water Management. No. L-795.
19. **Alam, M.**, and D. H. Rogers. 1997. Tensiometer Use in Scheduling Irrigation. No. L-796. **ASAE Blue Ribbon Award**
20. Rogers, D. H., F. R. Lamm, **M. Alam**, T. P. Trooien, G. A. Clark, P. Barnes, and K. Mankin. 1997. Efficiencies and Water Losses of Irrigation Systems. No. MF-2243.
21. **Alam, M.** 1996. IRRIGATION: Subsurface micro-irrigation. Bulletin no. 4.716 (Written for Colorado State University after joining at Kansas State University).

Web Publications:

1. Established Web site for publication of Irrigation news, research publications, irrigation resource warehouse, announcement of irrigation meeting dates, and others. (<http://www.oznet.ksu.edu/SWAreaOffice/irrigation/irrigate.htm>)
2. Established ET Information Web site for use by producers, crop consultants, and County Extension Agents (<http://www.oznet.ksu.edu/SWAreaOffice/Irrigation/et.htm>)
3. Contribute to Web site for dissemination of K-State SDI information. (<http://www.oznet.ksu.edu/sdi>)
4. Contribute MIL information in Web site: (<http://www.oznet.ksu.edu/mil>)

Chapters in Production Handbooks and others:

1. **M. Alam**. 2005. Vacuum Gauge Tensiometers *In* Wiley Encyclopedia of Water. In Press.
2. **D. H. Rogers** and **M. Alam**. 2005. Irrigation *In* Corn Production Handbook. In Press.
3. **D. H. Rogers** and **M. Alam**. 2005 and 1999. Irrigation *In* High Plains Sunflower Production Handbook. MF-2384. Kansas State University. Revision, 2005.
4. **D. H. Rogers** and **M. Alam**. 1998. Irrigating Alfalfa *In* Alfalfa Production Handbook. Revised C-683
5. **D. H. Rogers** and **M. Alam**. 1998. Irrigation *In* Grain Sorghum Production Handbook. Revised C-687

Invited Presentations:

1. **Alam, M.** 2004. Professional Development Lecture Series for Kansas Water Office. “Water Challenges in Bangladesh: Arsenic, Irrigation, and India’s Upstream Control. Topeka, Kansas. October 5, 2004.

2. **Alam, M.** 2004. Key note speaker: Lowering Irrigation Cost and Adoption of Farm Machineries for Sustainable Agriculture in Bangladesh. Invited by the Institution of Engineers, Bangladesh, Ramna, Dhaka. April 15, 2004. Dhaka, Bangladesh.
3. **Alam, M.** 2004. Lecture on Irrigation Technology and Management Issues in Bangladesh Agricultural University. Department of Agricultural Engineering, Water Management Division, Mymensingh, Bangladesh. April 13, 2004.
4. **Alam, M.** 2004. Present a seminar on Irrigation Technology and Possibilities in relation to conditions surrounding Bogra Academy of Rural Development. Bogra, Bangladesh. April 12, 2004.
5. **Alam, M.** 2003. Lecture on Water resources, irrigation scheduling, and management strategies for water saving and sustainable agriculture. Shanxi Institute of Water Resources and Hydraulic Research. Taiyuan, Shanxi, China. October 25, 2003.
6. **Alam, M.** 2003. Special Guest Address at the International University of Business Agriculture and Technology, September 24, 2003. Dhaka, Bangladesh.
7. **Alam, M.** 1999. Subsurface drip irrigation: Kansas Experience. 5th National Micro irrigation Conference, Nov. 14, 1999. Beijing, China.
8. **Alam, M.** 1999. Irrigation scheduling in western Kansas and use of ET gage. 5th National Micro irrigation Conference, Nov. 14, 1999. Beijing, China.
9. **Alam, M.** 1999. Irrigation Management, scheduling, and use of ET gage. Lecture on Nov. 18, 1999, Northwest Hydraulic Research Laboratory, Yangling, Shaanxi Province, China. Also attended by the Faculty of Northwest Agriculture University at Yangling, Shaanxi Province, China.
10. **Alam, M.** 1999. Design and Filtration considerations for SDI. Regional Staff training of USDA- NRCS, Garden City, Kansas.
11. **Alam, M.** 1998. Subsurface Drip Irrigation: What you need to know. Plainsman Research Center Annual Conference, Walsh, Colorado, Feb. 26, 1998. (50)
12. **Alam, M.** 1996. Evapotranspiration and soil water measurement for irrigation scheduling. Technical short course for USDA-NRCS Technical staff and District Conservationists, Garden City, Kansas, August 13, 1996. (20)

Popular and Technical Publications:

1. **Alam, M.** 2004. Cited in The Independent. Vol. 9(348). March 18, 2004.
2. **Alam, M.** 2004. Lowering irrigation costs: A key to sustainable agriculture. The Daily Star. Vol. 4(240). Jan. 27, 2004. Available at <http://thedailystar.net/2004/01/27/d401271504107.htm>
3. **Alam, M.** Cited in The Financial Express for organizing Workshop on irrigation as the Fulbright Senior Scholar from USA to Bangladesh. Vol. XI(121). March 18, 2004.
4. **Alam, M.** 2003. Cited in BARC Newsletter for helping in Irrigation Management Development in Bangladesh. Vol. 1(2), July-December, 2003.
5. **Alam, M.** 1999. Center Pivot Irrigation Systems. Irrigation Journal 49(4): 18-19.
6. Trooien, T. P., F. R. Lamm, L. R. Stone, and **M. Alam.** 1999. Irrigating corn with subsurface drip irrigation and lagoon wastewater. Irrigation Journal 49(5): 6-7
7. Rogers, D. H. and **M. Alam.** 1999. Sustaining Irrigation in Kansas. Irrigation Journal 49(7): 8-9.
8. **Alam, M.** 1999. Irrigation scheduling tools available for Southwest Kansas farmers. High plains Journal. Vol.: 116, No. 14. April 5, 1999. p. 11-A.
9. **Alam, M.** 1999. Researchers say pre-season irrigation not necessary. High Plains Journal. Vol.: 116, No. 14. April 5, 1999. p. 14-A.
10. **Alam, M.** 1998. Subsurface drip irrigation is gaining ground with growers. High Plains Journal, Vol.: 115, No. 41. Dec.21, 1998. p. 8-A. Western Kansas, Dodge City, KS.
11. **Alam, M.** 1997. Atmometers are an inexpensive ET check. High plains Journal. Vol.: 114, No. 14. April 7, 1997. p. 9-A.
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15. **Alam, M.** Cited in KSU Ag. Report, 1997 Fall Issue, p.5 K-State's drip irrigation research holds promise for farmers.
16. **Alam, M.** 1996. Surge irrigation alters flow of water in furrows. High Plains Journal. Aug.19. 1996. p. 13A.
17. **Alam, M.** 1996. Irrigators like the results from surge fertigation. High Plains Journal. Vol.: 113, No.14. April 1, 1996. p. 11-A.

Newsletter:

Water Management Newsletter - *Waterline*: Published by Mahbub Alam, Southwest Area Extension Specialist, Southwest Area Office, Garden City, KS. It is sent by e-mail to Southwest County Extension Agents, approximately 10 leading farmers, and several crop-consultants.