

PARTIAL LIST OF REFEREED JOURNAL ARTICLES

- Adanur, S., and Ascioğlu, B., “Nanocomposite Fiber Based Web and Membrane Formation and Characterization”, *Journal of Industrial Textiles* (in print).
- Elton, D. J., Hayes, D. W., and Adanur, S., “A Bubblepoint Testing Apparatus”, *ASTM Journal of Testing and Evaluation* (in print).
- Onal, L., and Adanur, S., “Modeling of Elastic, Thermal and Strength/Failure Analysis of 2D Woven Composites – A Review”, *Applied Mechanics Reviews (AMR)*, (in print).
- Irsale, S., and Adanur, S., “Design and Characterization of Polymeric Stents”, *Journal of Industrial Textiles*, Vol. 35, No. 3, January 2006, pp. 189-199.
- Adanur, S., and Onal, L., “Analysis of a Novel 3D Hybrid Woven/Knitted Fabric Structure, Part II: Mechanical Model to Predict Modulus and Extension”, *Textile Research Journal*, 74(10), 865-871, October 2004.
- Onal, L., and Adanur, S., “Analysis of a Novel 3D Hybrid Woven/Knitted Fabric Structure, Part I: Geometric Model and Verification”, *Textile Research Journal*, 74(9), 827-832, September 2004.
- Adanur, S., and Turel, T., “Effects of Air and Yarn Characteristics in Air-Jet Filling Insertion, Part II: Yarn Velocity Measurements with a Profiled Reed”, *Textile Research Journal*, 74(8), 657-661, August 2004.
- Irsale, S., and Adanur, S., “Compression Force Modeling of Braided Textile Structures”, *Developments in Theoretical and Applied Mechanics*, Eds. H. Mahfuz and M. V. Hosur, Vol. XXII, 2004, pp. 632-641.
- Ascioğlu, B., and Adanur, S., “Heat Transfer Behavior of Particle Reinforced Nanofibers”, *Developments in Theoretical and Applied Mechanics*, Eds. H. Mahfuz and M. V. Hosur, Vol. XXII, 2004, pp. 572-578.
- Adanur, S., “Dynamic Analysis of Air-Jet Filling Insertion: Effect of Timing on Air and Yarn Velocity”, *Developments in Theoretical and Applied Mechanics*, Eds. H. Mahfuz and M. V. Hosur, Vol. XXII, 2004, pp. 202-207.
- Turel, T., Bakhtiyarov, S., and Adanur, S., “Effects of Air and Yarn Characteristics in Air-Jet Filling Insertion, Part I: Air Velocity and Air Pressure Measurements”, *Textile Research Journal*, 74(7), 592-597, July 2004.
- Adanur, S., McClain, A., and Xu, B., “A Novel Approach to Fast Net-Shape Manufacturing of Braided Epoxy Composites”, *Journal of Elastomers and Plastics*, Vol. 35, No. 3, July 2003.

- Adanur, S., and Arumugham, Y., “Characteristics of Ultraviolet Cured Glass/Epoxy Composites, Part 2: Results and Discussion”, *Journal of Industrial Textiles*, Vol. 32, No. 2, October 2002, pp. 107-118.
- Adanur, S., and Arumugham, Y., “Characteristics of Ultraviolet Cured Glass/Epoxy Textile Composites, Part 1: Experimental Procedures and Testing”, *Journal of Industrial Textiles*, Vol. 32, No. 2, October 2002, pp. 93-106.
- Onal, L., and Adanur, S., “Effect of Stacking Sequence on the Mechanical Properties of Glass/Carbon Hybrid Composites Before and After Impact”, *Journal of Industrial Textiles*, Vol. 31, No. 4, April 2002, pp. 255-271.
- Adanur, S., and Onal, L., “Factors Affecting the Mechanical Properties of Laminated Glass/Graphite-Epoxy Hybrid Composites”, *Journal of Industrial Textiles*, Vol. 30, No. 3, January 2002.
- Elton, D. J., Mohamed, T., and Adanur, S., “BubblePoint and AOS Testing of Geotextiles”, *Proceedings of the Geosynthetics Conference*, 2001, Portland, Oregon, Feb. 12-14, 2001.
- Yang, B., Kozey, V., Adanur, S., and Kumar, S., "Bending, Compression and Shear Behavior of Woven Glass Fiber-Epoxy Composites", *Composites: Part B: Engineering*, 31 (2000), pp. 715-721.
- Liao, T., and Adanur, S., “3D Structural Simulation of Tubular Braided Fabrics for Net-Shape Composites”, *Textile Research Journal*, 70(4), pp. 297-303, April 2000.
- Vickers, A. D., Beale, D. G., Wang, Y. T., and Adanur, S., "Analysis of Yarn-to-Surface Friction Via Data Acquisition and Digital Imaging Techniques", *Textile Research Journal*, 70(1), 36-43, January 2000.
- Adanur, S., and Liao, T., "Fiber Arrangement Characteristics and Their Effects on Nonwoven Tensile Behavior", *Textile Research Journal*, 69(11), 816-824, Nov. 1999.
- Bakhtiyarov, S., and Adanur, S., “Airflow over Wavy Yarn in Air-jet Filling Insertion”, *Mathematical & Computational Applications*, Vol. 4, No. 1, pp. 1-7, 1999.
- Adanur, S., and Bakhtiyarov, S., “Numerical Study of Collision Efficiency of Dust Particles”, *Mathematical & Computational Applications*, Vol. 4, No. 1, pp. 297-303, 1999.
- Liao, T., and Adanur, S., "Computerized Failure Analysis of Nonwoven Fabrics Based on Fiber Failure Criterion", *Textile Research Journal*, 69(7), 489-496, July 1999.

- Zhang, Q., Beale, D., Broughton, R. M., and Adanur, S., "Analysis of Circular Braiding Process, Part 2: Mechanics Analysis of the Circular Braiding Process and Experiment", ASME Journal of Manufacturing Science and Engineering, August 1999, Vol. 121, pp. 351-359.
- Adanur, S., and Liao, T., "3D Modeling of Textile Composite Preforms", Composites, Part B: Engineering, 29B (1998), pp. 787-793.
- Liao, T., and Adanur, S., "A Novel Approach to Three Dimensional Modeling of Interlaced Fabric Structures", Textile Research Journal, 68(11), November 1998, pp. 841-847.
- Adanur, S., Hou, Z., and Broughton, R. M., "Recovery and Reuse of Waste PVC Coated Fabrics, Part 2: Analysis of the Components Separated from PVC Coated PET Fabrics", Journal of Coated Fabrics, Vol. 28, October 1998.
- Adanur, S., Hou, Z., and Broughton, R. M., "Recovery and Reuse of Waste PVC Coated Fabrics, Part 1: Experimental Procedures and Separation of Fabric Components", Journal of Coated Fabrics, Vol. 28, July 1998, pp. 37-55.
- Adanur, S., and Liao, T., "Computer Simulation of Mechanical Properties of Nonwoven Geotextiles in Soil-Fabric Interaction", Textile Research Journal, 68(3), March 1998, pp. 155-162.
- Adanur, S., and Tewari, A., "An Overview of Military Textiles", Indian Journal of Fibre & Textile Research (IJFTR), 22(4), December 1997, pp. 348-352.
- Wang, S., Adanur, S. and Jang, B. Z., " Mechanical and Thermo-Mechanical Failure Mechanism Analysis of Fiber/Filler Reinforced Phenolic Matrix Composites", Composites Part B, 28B, (1997), 215-231.
- Liao, T., Adanur, S., and Drean, J., "Predicting the Mechanical Properties of Nonwoven Geotextiles with the Finite Element Method", Textile Research Journal, Vol. 67, No. 10, October 1997, pp. 753-760.
- Zhang, Q., Beale, D., Adanur, S., Broughton, R. M., Walker, R. P., "Structural Analysis of Two Dimensional Braided Fabric", Journal of the Textile Institute, Vol. 88, Part 1, No. 1, 1997, pp. 41-52.
- Adanur, S., and Tam, C. A., "On-machine Interlocking of 3D Laminate Structures for Composites", Composites, Part B: Engineering, 28B, 1997, pp. 497-506.
- Basu Mallick, S., Elton, D. J., and Adanur, S., "An Experimental Characterization of Soil-Woven Geotextile Interface in Large Box Pullout Tests", Geosynthetics '97, March 1997, pp. 927-940.

- Adanur, S., and Bakhtiyarov, S., "Analysis of Air Flow in Single Nozzle Air-Jet Filling Insertion: Corrugated Channel Model", *Textile Research Journal*, 66(6), June 1996, pp. 401-406.
- Mallick, S. B., Zhai, H., Adanur, S., and Elton, D. J., "Pullout and Direct Shear Testing of Geosynthetic Reinforcement: A State of the Art Report", *Transportation Research Record*, No. 1534, Soils, Geology and Foundations, Transportation Research Board, National Research Council, National Academy Press, Washington, DC, 1996, pp. 80-90.
- Zhai, H., Basu Mallick, S., Elton, D., and Adanur, S., "Performance Evaluation of Nonwoven Geotextiles in Soil-Fabric Interaction", *Textile Research Journal*, Vol. 66, No. 4, April 1996.
- Adanur, S., and Allen, B., "First Results on the Effects of ISO 9000 in the United States Textile Industry", *Benchmarking for Quality Management and Technology*, Vol. 2, No. 3, 1995, pp. 55-66.
- Adanur, S., Tsao, Y. P., and Tam, C. W., "Improving Fracture Resistance of Laminar Textile Composites by Third Direction Reinforcement", *Composites Engineering*, Vol. 5, No. 9, 1995, pp. 1149-1158.
- Adanur, S., "Effects of Fabric Structural Parameters on Fabric Modulus", *Melliand Textilberichte*, Vol. 76, No. 6, June 1995 (German/English), pp. 396-399.
- Adanur, S., "Effects of Forming Fabric Structural Parameters on Sheet Properties", *TAPPI Journal*, Vol. 77, No. 10, October 1994.
- Adanur, S., Walker, R. P., Broughton, R. M., and Beale, D., "Weaving Technology - What Next?", *Melliand Textilberichte*, English/German, Vol. 75, No. 4, April 1994.
- Adanur, S., and Mohamed, M. H., "Analysis of Yarn Motion in Single-nozzle Air-Jet Filling Insertion, Part II: Experimental Validation of the Theoretical Models and Statistical Analysis", *Journal of the Textile Institute*, Vol. 83, No. 1, 1992.
- Adanur, S., and Mohamed, M. H., "Analysis of Yarn Motion in Single-nozzle Air-Jet Filling Insertion, Part I: Theoretical Models for Yarn Motion", *Journal of the Textile Institute*, Vol. 83, No. 1, 1992.
- Adanur, S., and Mohamed, M. H., "Analysis of Yarn Tension in Air-Jet Filling Insertion", *Textile Research Journal*, Vol.61, No. 5, May 1991.
- Adanur, S., and Mohamed, M.H., "Analysis of Air Flow in Air-Jet Filling Insertion", *Textile Research Journal*, Vol. 61, No.5, May 1991.

- Adanur, S., and Mohamed, M. H., "Weft Insertion on Air-Jet Looms: Velocity Measurement and Influence of Yarn Structure, Part II: Effects of System Parameters and Yarn Structure", Journal of the Textile Institute, Vol. 79, No. 2, 1988.
- Adanur, S., and Mohamed, M. H., "Weft Insertion on Air-Jet Looms: Velocity Measurement and Influence of Yarn Structure, Part I: Experimental System and Computer Interface", Journal of the Textile Institute, Vol. 79, No. 2, 1988.
- Salama, M., Adanur, S., and Mohamed, M.H., "Mechanics of a Single Nozzle Air-Jet Filling Insertion System, Part III: Yarn Insertion Through Tubes", Textile Research Journal, Vol. 57, No.1, January 1987.