

SABIT ADANUR

Professor

Auburn University, Department of Polymer and Fiber Engineering, Auburn, AL 36849

Phone: (334) 444-8599 (cell - preferred), (334) 844-5497 (office), Fax: (334) 844-4068

e-mail: sabitadanur@gmail.com (preferred), adanusa@auburn.edu, <http://www.eng.auburn.edu/~adanusa>

1. EDUCATION

- | | |
|-----------|--|
| June 1989 | Ph.D. in Fiber and Polymer Science
North Carolina State University, Raleigh, North Carolina. |
| Dec. 1985 | M.S. in Textile Engineering and Science
North Carolina State University, Raleigh, North Carolina. |
| July 1982 | B.S. in Mechanical Engineering
Istanbul Technical University, Istanbul, Turkey. |

PROFESSIONAL EXPERIENCE

- | | |
|----------------------|---|
| Aug. '15 – Present | Professor
Auburn University, Mechanical Engineering Department, Auburn, Alabama. |
| Oct. '00 – Aug. '15 | <u>Professor</u>
Auburn University, Polymer and Fiber Engineering Department, Auburn, Alabama. |
| Oct. '96 – Sept. '00 | <u>Associate Professor</u>
Auburn University, Textile Engineering Department, Auburn, Alabama. |
| Sep. '92 - Sep. '96 | <u>Assistant Professor</u>
Auburn University, Textile Engineering Department, Auburn, Alabama. |
| Nov. '89-Aug '92 | <u>Product and Process Development Manager</u>
Asten Forming Fabrics, Inc., Appleton, Wisconsin. |
| July '89-Oct. '89 | <u>Process Development Engineer</u>
Asten Forming Fabrics, Inc., Appleton, Wisconsin. |
| Aug. '83-Jun. '89 | <u>Research/Teaching Assistant</u>
North Carolina State University, Raleigh, North Carolina. |

Litigation Support Experience

1) I gave a deposition in a case involved Asten Forming Fabrics and their competitor regarding a patent infringement case regarding a forming fabric design, Opelika, AL, mid 1990s.

- 2) I was retained by Sulzer Textile as an expert in a lawsuit with Picanol in a patent infringement case involving air-jet weaving machine operations, 2000-2001. The jury trial lasted more than a week in September 2001 in Tyler, Texas.
- 3) I was retained as an expert by Southern Mills against Polartec in a patent infringement case regarding fire resistant fleece knit fabric and garment, Atlanta, GA, 2008 (gave deposition and expert testimony in the court).
- 4) I was retained as an expert by Adidas against Nike in a patent infringement case regarding knitted fabric sports shoes, Atlanta, GA, 2013- 2014 (gave deposition).
- 5) Currently I am retained by companies as expert witness.

Professional Development Activities

- Attended the Biggio Seminar “Engaging Students in Active Learning”, 14 February 2013, Biggio Center, Auburn University.
- Attended the tutorial “Canvas Orientation”, Sept. 20, 2011, Auburn University.
- Attended the workshop “Introduction to Performance Tasks”, by [Cla]ssroom Academy, 15-16 August, 2011, Auburn, AL.
- Completed the Alabama Ethics Law Training, March 31, 2011.
- Developing Online Courses (July 14, 2010)
- Teaching with Powerpoint 2007 (July 13, 2010)
- Attended the Biggio Seminar, “Writing to Learn and Learning to Write”, by Alyson Whyte, 13 Nov. 2008
- Attended the Biggio Seminar, “Nurturing the Expectancy Effect”, March 11, 2008.

2. ASSIGNED DUTIES FOR THE PAST FIVE YEARS (average)

<u>Quarter</u>	<u>Teaching (%)</u>	<u>Research (%)</u>	<u>Extension/Service (%)</u>
Summers	0	92	8
Academic	63	32	5

3. HONORS AND AWARDS

- Our Poster entitled “Activated carbon fiber filter media for proton exchange membrane fuel cell cathode” by Liu, W. and Adanur, S., won the best poster award at the Fiber Society Meeting in Shanghai, China, June 2009.
- My graduate student Mr. Erdem Selver was chosen as one of the ten Outstanding Master's Students at Auburn University for 2008-2009 by the AU Graduate Council.
- Outstanding Faculty Award, Department of Polymer and Fiber Engineering, 2008-2009
- Best poster presentation for the NSF Research Experience for Undergraduates (REU) Program in Micron/Nano-Structured Materials, Therapeutics and Devices. Title: Addition of Nanoparticles to Electrospun Nanofibers. Authors: Roxanne Guarin, Wei Liu and Sabit Adanur. Auburn REU Fellows Research Poster Session, July 31, 2008. There were 10 undergraduate students from different parts of the US in this program who spent their summers in Auburn.
- Outstanding Faculty Award, Department of Polymer and Fiber Engineering, 2007-2008
- Outstanding Teacher Award, Department of Textile Engineering, 2002-2003.
- Outstanding Teacher Award, Department of Textile Engineering, 2001-2002.
- Auburn Alumni Professor Award (1999 – 2004).

- Outstanding Teacher Award, Department of Textile Engineering, 2000-2001.
- AU College of Engineering Birdsong Merit Teaching Award 2000
- Outstanding Teacher Award, Department of Textile Engineering, 1999-2000.
- Auburn Alumni Engineering Council Senior Faculty Research Award, 1999.
- My graduate student Mr. Baohua Xu is awarded the academic excellence award for international students (June 1998).
- Nominated two years in a row (1997 and 1998) as a potential participant in the National Academy of Engineering (NAE)'s Third and Fourth Annual Symposiums on Frontiers of Engineering, Irvine, CA.
- 1995 NSF Faculty Early Career Development (CAREER) Award, National Science Foundation, \$ 210,000.00, duration: 4 years (Sept. 1, 96-Aug. 31, 2000).
- Nominated by Dr. William V. Muse two years in a row (1994 and 1995) to represent Auburn University in highly prestigious National Science Foundation, Presidential Faculty Fellows Award competition (only two candidates can be nominated by an institution).
- 1991 George Goldfinger Award. "This award is presented to the graduate of the North Carolina State University, College of Textiles, Fiber and Polymer Science Program who was judged to have submitted the most outstanding Ph.D. thesis over the past two years".

4. SCHOLARLY CONTRIBUTIONS

4. A. TEACHING

4.A.1 Courses Taught for the Past Five Years

ENGR 1110	Introduction to Engineering
FBEN 2250	Fabric Design and Engineering
PFEN 2270	Introduction to Engineered Fibrous Materials
PFEN 3200	Polymer Processing
PFEN 3300	Fibrous Product Testing and Instrumentation
TXTN 3450	Technical Textiles
PFEN 4300	Engineered Fibrous Structures
PFEN 4820	Senior Design
PFEN 5100	Fabrics for Papermaking
PFEN 6100	Fabrics for Papermaking
PFEN 6106	Fabrics for Papermaking (outreach)
PFEN 6250	Advanced Eng. Fibrous Str.
PFEN 7960	Adv. Polymer Processing lab
PFEN 7970	Advanced Polymer Processing
PFEN 7990	Research and Thesis
PFEN 7210	Fabric Formation and Properties
PFEN 7960	Special Problems in Polymers and Fibers
PFEN 7970	Special Topics
PFEN 7980	Graduate Project
PFEN 7990	Research and Thesis
PFEN 8200	Adv Textl Struct Desi & Develop
ITAS 8990	Research and Dissertation

4.A.2 Graduate Students Whose Work Has Been Completed

Students for Whom The Candidate Served as Major Professor

Student	Degree	Chair	Department	Graduation Date	Current Employer
Shen, Y.	PhD	Dr. Adanur	PFEN	Dec. 2015	Highland Composites
Shen, Y.	MS	Dr. Adanur	PFEN	Dec. 2013	Ph.D. student at PFEN
Meeks, S. B.	MS	Dr. Adanur	PFEN	May 2012	Interviewing
Zheng, H.	MS	Dr. Adanur	PFEN	Dec. 2010	Graduate Student
Gocek, I.	PhD	Dr. Adanur	PFEN	May 2010	Istanbul Technical Univ.
Keskin, R.	PhD	Dr. Adanur	PFEN	May 2010	Pamukkale University
Liu, W.	PhD	Dr. Adanur	PFEN	May 2010	A company in IL
Selver, E.	MS	Dr. Adanur	PFEN	May 2010	PhD Student/England
Liu, W.	MPFEN	Dr. Adanur	PFEN	May 2009	AU PhD student
Isikel, L.	MS	Dr. Adanur	PFEN	May 2007	A company in Turkey
Irsale, Swagat J.	PhD	Dr. Adanur	PFEN	Dec. 2005	Nexus Software Sol, Inc., MN
Ascioglu, Birgul	PhD	Dr. Adanur	PFEN	Aug. 2005	Valeo, Inc., Bursa, Turkey
Irsale, Swagat J.	MS	Dr. Adanur	Textile Eng.	Dec. 2003	Nexus Software Sol, Inc., PA.
Hughes, Kevin	MTE	Adanur/Tippur	Textile Eng.	May 2005	GKN Aerospace
Vakalapudi, Sathendra	MS	Dr. Adanur	Textile Eng.	Aug. 2003	Detroit (software co.)
Onal, Levent	PhD	Dr. Adanur	Textile Eng.	May 2002	Erciyes University
Turel, Tacibaht	MS	Dr. Adanur	Textile Eng.	Aug. 2002	PhD, Consumer Aff.
Tascan, Mevlut	MS	Dr. Adanur	Textile Eng.	May 01	PhD, Clemson Univ.
Orak, Hakan	MS	Adanur/Tippur	Textile Eng.	May 01	PhD, Clemson Univ.
Kayathi, K. K.	MS	Dr. Adanur	Textile Eng.	January 01	India
Xu, BaoHua	MS	Dr. Adanur	Textile Eng.	Aug. 99	PhD Student, TE
Arumugam, Yuvaraj	MS	Dr. Adanur	Textile Eng.	July 98	Goodyear Tire Co.
Qi, Jing	MS	Dr. Adanur	Textile Eng.	May 98	Grad Student in EE
Tewari. Ashutosh	MS	Dr. Adanur	Textile Eng.	Dec. 97	California Co.
Hou, Zhenwei	MS	Dr. Adanur	Textile Eng.	Dec. 97	PhD Candidate
Gongalareddy, Sreekanth	MS	Dr. Adanur	Textile Eng.	Dec. 96	Telecom., Atlanta
Mallick, Sumita B.	MS	Dr. Adanur	Textile Eng.	Aug. 96	PhD (Boston Univ.)
Zhai, Honglian	MS	Dr. Adanur	Textile Eng.	Aug. 96	TCOM, Maryland
Yuksekkaya, M. Emin	MS	Dr. Adanur	Textile Eng.	June 96	Prof., Usak U., Turkey
Tsao, Yen P.	MS	Dr. Adanur	Textile Eng.	Dec. 95	Taiwan
Tam, Chi-Wen	MS	Dr. Adanur	Textile Eng.	March. 95	Taiwan
Sartain, Stephen L.	MS	Dr. Adanur	Textile Eng.	Dec. 94	Own automotive business
Others:					
Inan, Gunes	PhD	Dr. Adanur	Textile Eng.	Aug. 04-Dec. 04	
Kilinc, F. Selcen	PhD	Dr. Adanur	Textile Eng.	Aug. 00 – Dec. 01	
Unsal, Evren	PhD	Dr. Adanur	Textile Eng.	Aug. 00-Feb. 01	
Xu, BaoHua	PhD	Dr. Adanur	Textile Eng.	June 99 – Dec. 99	
Zhenwei Hou	PhD	Dr. Adanur	Textile Eng.	Jan. 99 – Sept. 99	
Mallick, Sumita B.	PhD	Dr. Adanur	Civil Eng.	Aug. 96 – Aug. 98	
Nalamati, R. Kumar	MS	Dr. Adanur	Mech. Eng.	Sept. 95- April 96	

Students for Whom The Candidate Served as Committee Member

<u>Student</u>	<u>Degree</u>	<u>Chair</u>	<u>Department</u>	<u>Graduation Date</u>	<u>Current Employer</u>
Uday B. Sangars	MS	Dr. Beale	ME	Dec. 2015	Interviewing
Furlong, Shane	MS	Dr. Broughton	PFEN	Dec. 2015	Interviewing
Snead, Ed	MS	Dr. Thomas	PFEN	May 2015	PhD
Shirgaonkar, S.	MS	Dr. Beale	MECH	Dec. 2014	Hanwha, Opelika
White, Charles J.	PhD	Dr. Byrne	CHEN	Aug. 2014	FDA
Poyraz, Selcuk	PhD	Dr. Zhang	PFEN	June 2014	Assist. Prof., Turkey
Smith, James	MS	Dr. Zhang	PFEN	May 2014	Private Industry
Wang, Xialong	MS	Dr. Zhang	PFEN	Spring 2013	PhD student.
Blackwell, C.	MPFEN	Dr. Thomas	PFEN	Dec. 2012	CSP
Liu, Yang	MS	Dr. Zhang	PFEN	Fall 2011	PhD student at AU
Liu, Zhen	PhD	Dr. Zhang	PFEN	Spring 2009	Un. of Maryland
Quinones ,Vladimir	PhD	Dr. Thomas	PFEN	Spring 2011	Post-doc at AU
Luna, Eric	PhD	Dr. Tatarchuk	Chemical Eng.	Summer 2009	Syngenta Crop P., NC
Anthony, Rebecca	MPFEN	Dr. Thomas	PFEN	Spring 2009	Unknown
Hasan Kocer	M.S.	Dr. Broughton	PFEN	Fall 2007	PhD student ITAS
Ray, Rebecca	M.S.	Dr. Thomas	PFEN	Fall 2006	Unknown
Ma, Erjian	PhD	Dr. Jang	Materials Eng.	Spring 01	Unknown
McCarthy, P. J.	MCE	Dr. Elton	Civil Eng.	Spring 96	Denver, CO
Xiao, Liming	PhD	Dr. Yang	Materials Eng.	Spring 98	Postdoc, AU EE
Hunt, Rich	MS	Dr. Nelms	Electrical Eng.	June 97	Unknown
Kirkpatrick, C. T.	MS	Dr. Jang	Materials Eng.	Spring 97	California Company
Kotha, S.	MS	Dr. Gowayed	Textile Eng.	Spring 97	India
Xi, Xiaomei	PhD	Dr. Yang	Materials Eng.	Aug. 96	California Company
Zhang, Qiang	PhD	Dr. Beale	Mechanical Eng.	Jan. 96	A Comp. in Maryland
Vickers, Daniel	MS	Dr. Beale	Mechanical Eng.	March 95	FMP/Rauma

Students for Whom the Candidate Served as Outside Reader

<u>Student</u>	<u>Degree</u>	<u>Chair</u>	<u>Department</u>	<u>Defense Date</u>
Donath, Gregory W.	PhD	Dr. Duke	Chemical Eng.	Nov. 10, 2008
Ajitsaria, Jyoti K.	PhD	Dr. Choe	Mech. Eng.	Aug. 29, 2008
Butts, Daniel Alan	PhD	Dr. Gale	Materials Eng.	May 9, 2005
ElBashir, Nimir	PhD	Dr. C. Roberts	Chemical Eng.	Nov 15, 2004
Gopalakrishnan, M.	PhD	Dr. ElHalwagi	Chemical Eng.	May 21, 2002
Noureldin, M.	PhD	Dr. ElHalwagi	Chemical Eng.	Oct.12, 00
Patil, A. R.	PhD	Dr. Crocker	Mechanical Eng.	Sept. 11, 00
Park, Y.	PhD	Dr. Roberts	Chemical Eng.	July 20, 00
Shelley, M. D.	PhD	Dr. El-Halwagi	Chemical Eng.	Apr. 20, 00
Abdo, Z. A. M.	PhD	Dr. Gale	Materials Eng.	Dec. 3, 99
Garrison, W.	PhD	Dr. El-Halwagi	Chemical Eng.	May 8, 97
Yim, J. H.	PhD	Dr. Jang	Materials Eng.	Apr. 25, 97
Hamad, A. A.	PhD	Dr. El-Halwagi	Chemical Eng.	Apr. 21, 97

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