

ITU- Department of Textile Engineering Faculty Curriculum Vitae

Name, Surname	Emel ÖNDER KARAOĞLU			
Academic Rank/Title	Professor			
Status	Full-time			
Education (Earned Degrees)	Degree	Field	Institution	Year
	B.Sc.	TE	U Ege	1982
	M.Sc.	TE	U Ege	1986
	Ph.D.	TE	U Ege	1989
Years of Service on This Department ⁽¹⁾	Rank	Year of Appointment	Total no. of years	
	Lecturer	-	-	
	Assistant Prof.	1994	1	
	Associate Prof.	1995	8	
	Professor	2003	13	
Courses taught	Course	h/wk (theoretical)	h/wk (lab./tutorial)	Type of course ⁽²⁾
	Weaving Technology II	2	2	BSc in TE
	Design in Textile Engn.	1		BSc in TE
	Cost Accounting	3	-	BSc in TE
	Research Methods	3	-	MS in Apparel Retail & Fashion Management
	Retail Buying in Fashion and Apparel	3	-	MS in Apparel Retail & Fashion Management
	Statistical Meth. for Engn.	3	-	PhD in TE
Areas of Research	Fabric technology, functional textiles, nanotechnology applications in textiles			
Total number of publications in last five years	16			
Principal publications of last five years (refereed papers, symposium and conference contributions, books, in Turkish or foreign languages)	<ol style="list-style-type: none"> Onder, E., Sarier, N., (2015). Functional Finishes for Textiles, Ch. #2:Thermal regulation finishes for textiles, Edited by R. Paul, The Textile Institute & Woodhead Publishing, <i>Elsevier Ltd.</i> p. 678(17-78), (ISBN:978-0-85709-839-9) Sarier, N.,Onder, E., Ukuser, G. (2015). Silver incorporated microencapsulation of <i>n</i>-hexadecane and <i>n</i>-octadecane appropriate for dynamic thermal management in textiles, <i>Thermochimica Acta</i>, 613, 17-27. Ersay, M.S., Onder, E. (2014). Electroless silver coating on glass stitched fabrics for electromagnetic shielding applications, <i>Textile Research Journal</i>, 84(19), 2103-2114. Onder, E., Sarier, N.,,Ukuser G., Ozturk M.,Arat R. (2013). Ultrasound assisted solvent free intercalation of montmorillonite with PEG1000: A new type of organoclay with improved thermal properties, <i>Thermochimica Acta</i>, 566, 24-35. Ersay, M.S., Onder, E.,(2013). Mechanical and Thermal Behaviors of Polypropylene- Multi-Walled Carbon Nanotube Nanocomposite Monofilaments, <i>Fibres and Textiles in Eastern Europe</i> , 21(2(98)), 22-27. Onder, E., Sarier, N., Ersay, M.S., (2012). The manufacturing of polyamide– and polypropylene–organoclay nanocomposite filaments and their suitability for textile applications. <i>Thermochimica Acta</i>, 543, 37-58. Sarier, N.,Onder, E.,(2012). Organic phase change materials and their textile applications: An overview, <i>Thermochimica Acta</i>, 540, 7-60. Sarier, N.,Onder, E., Ozay S.,Ozkilic, Y. (2011). Preparation of phase change material–montmorillonite composites suitable for thermal energy storage, <i>Thermochimica Acta</i>, 524(1-2), 39-46. 			

Principal publications of last five years ^[continued] (refereed papers, symposium and conference contributions, books, in Turkish or foreign languages)	<p>9. Boz, E.C., Onder, E. (2015). Design of thermally adaptive wool apparel fabric, <i>ICNF2015 2nd International Conference on Natural Fibers: From Nature to Market</i>, 443- 444., Portugal</p> <p>10. Sarier, N., Boz, E.C, Arat, R., Onder, E. (2015). Production of Dynamic Thermal Insulators By Coaxial Electrospinning of PAN and PEG, <i>15th AUTEX World Textile Conference</i>, 40, Romania.</p> <p>11. Sarier, N., Arat, R., Boz, E.C, Onder, E. (2015). Synthesis of Biobased Oleokarbonats and Their Use in the Production of Thermally Enhanced Nanofibers by Electrospinning, <i>IV. International Polimeric Composites Symposium Exhibition and Brokerage Event</i>, Izmir, Turkey.</p> <p>12. Ersoy, M.S., Onder, E., (2013). Electromagnetic Shielding Capability of Fabrics Woven from Silver Coated Polyamide 6.6 Multi-Filament Yarns, <i>The International Istanbul Textile Congress</i>, Istanbul, Turkey.</p> <p>13. Adsay, B., Onder, E., Sarier, N. (2013). New Approaches for Improving Thermal Properties of Textile Materials, <i>The International Istanbul Textile Congress</i>, Istanbul, Turkey.</p>			
Institutional services in the last five years	<ul style="list-style-type: none"> • Advisor to Rector (June 2015-continued) • Dean of the Faculty of Textile Technologies and Design (Nov. 2008- March 2015) • Program Coordinator of the non-thesis Master Program entitled “Apparel Retail and Fashion Management” running under the Institute of Science & Technology (2014- continued). 			
Percentage of time available for research or scholarly activities	50%			
Percentage of time committed to the program	50%			
Other related experience		Year of Appt.	Total no.of years	Place
	Teaching	1990	2	U Marmara
	Research			
	Industrial	1989	5	Bozkurt.A.\$/Turkey
	Government			
Memberships of scientific and professional societies	-			
Principal funded R&D projects and professional services performed of last five years	<p>1. Sarier, N., Onder, E. (Researcher), “The Design and Development of Nanocomposite Webs and Nonwovens with Dynamic Thermal Management Capability”, <i>R&D project</i> funded by TUBITAK -The Scientific and Technological Research Council of Turkey, (MAG213M281,2013-continued)</p> <p>2. Onder, E. (Principal Investigator), Sarier, N., “Design and Development of Nanocomposite Structured Multi-functional Technical Textiles”, <i>R&D project</i> funded by TUBITAK- The Scientific and Technological Research Council of Turkey, (MAG107M126,July 2011)</p>			
Professional development activities in the last five years	-			
Honors and awards	-			
Patents, Loyalties, Consulting, etc.	Consulting for an apparel retailing company (LcWaikiki), 2015-continued			
CONTACT INFORMATION				
Room Number	#527			
Telephone	293 1300 Ext.2496			
E-Mail	onderem@itu.edu.tr			
Web Site	http://akademi.itu.edu.tr/onderem/ ; http://faculty.itu.edu.tr/onderem/			