



# ETT 2018

## 8<sup>th</sup> International İstanbul Textile Conference Evolution of Technical Textiles

8. Uluslararası  
İstanbul Tekstil Konferansı  
Teknik Tekstillerin Evrimi

**14-16** | Tüyap Fair and  
Exhibition Center  
APRIL NİSAN | Tüyap Fuar ve  
Kongre Merkezi

## SCIENTIFIC PROGRAM

ETT2018 8. Uluslararası İstanbul Tekstil Konferansı, ITM 2018 Uluslararası Tekstil Makineleri Fuarı ve HIGHTEX 2018 7. Uluslararası Teknik Tekstiller ve Nonwoven Fuarı ile eş zamanlı olarak yapılacaktır.  
ETT2018 8<sup>th</sup> International İstanbul Textile Conference will be held concurrently with ITM 2018 International Textile Machinery Exhibition and HIGHTEX 2018 7<sup>th</sup> International Technical Textiles & Nonwoven Trade Fair

### PARTNERLER / PARTNERS



# SATURDAY – 14 APRIL 2018

## KARADENİZ HALL

08:00 – 09:00 Registration

09:00 – 09:30 Conference Opening Ceremony – With Welcome Speeches

### PLENARY SESSION

## KARADENİZ HALL

09:30 – 11:00

Chair Person: Prof.Dr. Mehmet Akalin <i>Marmara University, Turkey</i>		
ETT-K1	Prof.Dr. Thomas Gries	<i>RWTH Aachen University, Germany</i>
ETT-K2	Prof.Dr. Yusuf Menceloğlu	<i>Sabancı University, Turkey</i>
ETT-K3	Prof.Dr. Yusuf Ulcay	<i>Uludağ University, Turkey</i>
ETT-K4	Prof.Dr. Tanveer Hussain	<i>National Textile University, Pakistan</i>
ETT-K5	Prof.Dr. Tahir Shah	<i>National Textile University, Pakistan</i>

11:00 – 11:15 COFFEE BREAK

### PARALLEL SESSIONS

## KARADENİZ HALL

11:15 – 12:30 (Advances Design)

Chair Person: Prof. Dr. Dariush Semnani; <i>Isfahan University of Technology, Iran</i>		
ETT0034	<b><i>Bending Behavior of Nanoprepreg 3D Carbon/Epoxy MWCNT Composites</i></b>	<b><i>Kadir Bilisik</i></b> ; Department of Textiles, Erciyes University, Kayseri, Turkey
ETT0104	<b><i>Development of recycled acrylic fibers - A technical and economic approach</i></b>	<b><i>Sascha Schrieber</i></b> ; Institute for Textile Technology of RWTH Aachen University, Aachen, Germany
ETT0187	<b><i>Characterization of nylon based nanofiber membranes</i></b>	<b><i>Meltem Yanilmaz</i></b> ; Textile Engineering, Istanbul Technical University, İstanbul, Turkey
ETT0020	<b><i>The Dervish Sound Dress; a garment using wearable technology with sound vibrations</i></b>	<b><i>Hedy Hurban</i></b> ; Department of Art and Humanities, Plymouth University, Plymouth, U.K
ETT0048	<b><i>Carbon fibre precursor production with NaSCN(aq.) as a sustainable solvent</i></b>	<b><i>Stefan Peterek</i></b> ; Institute for Textile Technology of RWTH Aachen University, Aachen, Germany

# SATURDAY – 14 APRIL 2018

## MARMARA HALL

11:15 – 12:30 (Smart and Interactives)

<b>Chair Person: Dr. Adnan Ahmed Mazari; Technical University of Liberec, Czech Republic</b>		
ETT0056	<b><i>An Investigation of the Activation of Multi Colour Changing Photochromic Textiles</i></b>	<b><i>Dilusha Chathura De Zoysa Rajapakse;</i></b> School of Arts and Design, Nottingham Trent University, UK
ETT0057	<b><i>Schizophonic Machine: wearable schizo-interface, an exercise of possible listenings</i></b>	<b><i>Maria Lucilia Borges;</i></b> Journalism Department, Universidade Federal de Ouro Preto, Campus Mariana, Brazil
ETT0069	<b><i>Potential Use of 3D Printing Technology for Conductive Thread Assembly on Textiles</i></b>	<b><i>Nese Topcuoglu;</i></b> Istanbul Technical University
ETT0072	<b><i>Smart Water Vapour Permeability of Cellulose Nanowhisker Reinforced Thermo-moisture Responsive Polyurethane Nanocomposite Films</i></b>	<b><i>Nazife Korkmaz Memiş;</i></b> Department of Textile Engineering, Süleyman Demirel University, Isparta, Turkey
ETT0099	<b><i>Microencapsulation Of The Thermochromic System Prepared With Phenolphthalein Color Developer</i></b>	<b><i>Müyesser Selda Tözüm;</i></b> Department of Textile Engineering, Usak University, Usak, Turkey

## BÜYÜKADA HALL

11:15 – 12:30 (Reinforcement Fibres)

<b>Chair Person: Dr. Navneet Soin; The University of Bolton, the U.K.</b>		
ETT0075	<b><i>Analysis of the stabilization process during carbon fiber manufacturing</i></b>	<b><i>Musa Akdere;</i></b> Institute for Textile Technology of RWTH Aachen University, Aachen, Germany
ETT0134	<b><i>Polyethylene based Carbon Fibers: Future Prospects and Challenges</i></b>	<b><i>Tim Alexander Röding;</i></b> Institut für Textiltechnik (ITA) der RWTH Aachen University, RWTH Aachen University, Aachen, Germany
ETT0169	<b><i>Effect of PVP addition on PVA/Boron Carbide Nanofibers by Electrostatic Spinning for Interactive Wound Dressing Application</i></b>	<b><i>Mehmet Fahri Sarac;</i></b> Department of Mechanical Engineering, Suleyman Demirel University, Isparta, Turkey.
ETT0221	<b><i>Investigation on the doping possibilities of microcapsules in solution spinning</i></b>	<b><i>Ismail Ivedi,;</i></b> Department of Textile Engineering, Dokuz Eylül University, Izmir, Turkey
ETT0178	<b><i>Effect of selected fire retardant additives on the flammability of epoxy resin for aircraft composites</i></b>	<b><i>Fadime Karaer;</i></b> Anadolu University, Faculty of Engineering, Eskişehir, Turkey

12:30 – 14:00 LUNCH – INTEREXPO HALL

# SATURDAY – 14 APRIL 2018

## PARALLEL SESSIONS

### KARADENİZ HALL

#### 14:00 – 15:15 (Surface Coating)

<b>Chair Person: Dr. Amit Rawal; Indian Institute of Technology, Delhi (IITD), India</b>		
ETT0051	<b><i>Effect of different coating conditions on sound insulation property of magnetite containing nonwoven materials</i></b>	<b><i>Ilhan Ozen</i></b> ; Department of Textile Engineering, Erciyes University, Kayseri, Turkey
ETT0070	<b><i>Plasma Grafting of Reactive B-Cyclodextrin onto the Cotton Fabric</i></b>	<b><i>Malihe Nazi</i></b> ; Department of Textile and Leather, Standard Research Institute, Karaj, Iran
ETT0115	<b><i>Application Of The Microcapsules With Reactive Shell To Modified Cotton Fabrics</i></b>	<b><i>Sennur Alay Aksoy</i></b> ; Textile Engineering, Suleyman Demirel University, Isparta, Turkey
ETT0172	<b><i>Investigation of the opportunity to use of silicone-based chemicals to be developed elasticity of the woven fabrics</i></b>	<b><i>Fatoş Ceren Akıncı</i></b> ; Matesa Textile R&D Center, Kahramanmaraş, Turkey
ETT0231	<b><i>Leather: Could it be an alternative liner for the prosthetic leg users?</i></b>	<b><i>Arife Candas Adigüzel Zengin</i></b> ; Ege University, Engineering Faculty, Leather Engineering Department, İzmir, Turkey

#### 15:15– 15:30 COFFEE BREAK

#### 15:30 – 16:45 (Ecological Textiles)

<b>Chair Person: Sascha Schrieber; RWTH Aachen University, Germany</b>		
ETT0242	<b><i>Nonwoven Based Innovative Self Sufficient Tent</i></b>	<b><i>Umut Burak Dalbudak</i></b> ; HASSAN Tekstil San ve Tic. A.S., Esenyurt, Istanbul, Turkey
ETT0017	<b><i>Cost efficient production of high performance carbon fibers</i></b>	<b><i>Franz Pursche</i></b> ; Institut für Textiltechnik (ITA) der RWTH Aachen University, Germany
ETT0028	<b><i>Utilizing an Alternative Paradigm for the Development of Bacterial Cellulose in the Textile and Apparel Industry</i></b>	<b><i>Luis Quijano</i></b> ; Department of Family and Consumer Sciences, Liberty University, Lynchburg, United States of America
ETT0039	<b><i>Improved Biobased Fibres For Clothing Applications</i></b>	<b><i>Maria Pilar Diego</i></b> ; Yünsa Worsted & Woolen Production And Trading Co., Tekirdag, Turkey
ETT0050	<b><i>Greenhouse trials of agrotexile nonwoven structures possessing controlled water and fertilizer release properties</i></b>	<b><i>Gamze Okyay</i></b> ; Department of Textile Engineering, Erciyes University, Kayseri, Turkey

# SATURDAY – 14 APRIL 2018

## MARMARA HALL

14:00 – 15:15 (Surface Coating)

<b>Chair Person: Prof.Dr. Erhan Öner; Marmara University, Turkey</b>		
<b>ETT0032</b>	<b><i>Mechanical and Impact Properties of Packaging-Waste/E-Glass/Epoxy Sandwich Composites for Construction Applications</i></b>	<b><i>Gaye Yolacan Kaya</i></b> ; Department of Textile Engineering, Kahramanmaraş Sutcu Imam University, Kahramanmaraş, Turkey
<b>ETT0009</b>	<b><i>Bi-stretch woven fabrics with auxetic behavior</i></b>	<b><i>Adeel Zulifqar</i></b> ; Institute of Textile and Clothing, Hong Kong Polytechnic University, Hong Kong
<b>ETT0049</b>	<b><i>Combining Laser- and Textile-Technology for Just-in-Time production of Composites</i></b>	<b><i>Sebastian Oppitz</i></b> ; Composite Division, Institut für Textiltechnik of RWTH Aachen University
<b>ETT0117</b>	<b><i>The Smart Fabric Inspection Machines</i></b>	<b><i>Serkan Boz</i></b> ; Emel Akın Vocational High School, Ege Üniversitesi, Izmir, Turkey
<b>ETT0095</b>	<b><i>Effect of shear thickening fluids on mechanical properties of glass and carbon preforms for textile composites</i></b>	<b><i>Erdem Selver</i></b> ; Textile Engineering, Kahramanmaraş Sutcu Imam Uni. Turkey

15:15– 15:30 COFFEE BREAK

15:30 – 16:45 (Computer Technology for Textiles and Apparel)

<b>Chair Person: Prof. Dr. Engr. Md. Humaun Kabir; IBAIS University, Bangladesh</b>		
<b>ETT0013</b>	<b><i>Improving Pattern Design for Women's Upper Body Clothing</i></b>	<b><i>Tanya Louise Dove</i></b> ; Institute of Textiles and Clothing, Hong Kong Polytechnic University, Hong Kong
<b>ETT0014</b>	<b><i>The investigation of clothing fit using 3D virtual prototyping</i></b>	<b><i>Kristina Ancutiene</i></b> ; Department of production engineering, Kaunas university of technology, Kaunas, Lithuania
<b>ETT0066</b>	<b><i>Comparison of the Workplace through the String Diagram Method and Simulation Program in the Manufacturing of Apparel</i></b>	<b><i>Mehmet Küçük</i></b> ; Ege University, Engineering Faculty, Textile Engineering Department, Izmir, Turkey
<b>ETT0078</b>	<b><i>The Readiness of the Textiles and Apparel industry of Bangladesh-Vision 2021</i></b>	<b><i>S M Farhana Iqbal</i></b> ; Department Yarn Engineering, Bangladesh University of Textiles, Dhaka, Bangladesh
<b>ETT0148</b>	<b><i>The Effect Of Interlining On Properties Used In Fabric Modelling For 3d Virtual Garment Simulation And Compare Different Measurement Systems</i></b>	<b><i>Selma Dolanbay Doğan</i></b> ; Department of Textile Design, Selçuk University, Konya, Turkey

# SATURDAY – 14 APRIL 2018

## BÜYÜKADA HALL

### 14:00 – 15:15 (Nanotechnology)

Chair Person: Prof.Dr. Kadir Bilişik; Erciyes University, Turkey		
ETT0021	<i>Microwave energy-based fabrication of hierarchically structured carbon nanotube/fibrous material composites</i>	<b>Selcuk Poyraz;</b> Textile Engineering, Namik Kemal University, Tekirdag, Turkey
ETT0038	<i>PAN/AgNO3 Electrospun Nanofibers with Improved Conductivity for Sensor Applications</i>	<b>Sebnem Duzyer;</b> Textile Engineering Department, Uludag University, Bursa, Turkey
ETT0195	<i>Characterization of electrospun nanofibers coated spunbond nonwoven media</i>	<b>Fulya Yilmaz;</b> Department of Textile Engineering, Usak University, Turkey
ETT0094	<i>Development of a durable anti-microbial silica based nanoparticles treatment for textile for the healthcare industry</i>	<b>Nadia Sid;</b> Functional resin and coating, TWI Ltd, Cambridge, United Kingdom
ETT0102	<i>Electrospun Polyvinylidene Fluoride (PVDF) Nanofibers</i>	<b>Derman Vatansever Bayramol;</b> Department of Textile Engineering, Namik Kemal University, Tekirdag, Turkey

### 15:15– 15:30 COFFEE BREAK

### 15:30 – 16:45 (Technical Textiles)

Chair Person: Dr.Ramazan Erdem; Akdeniz University, Turkey		
ETT0133	<i>Investigation Of Antibacterial Properties Of Polyurethane-Chlorhex Nanofibers Obtained By Electrospinning Method</i>	<b>Erdem Tezcan;</b> Istanbul Aydin University, Faculty of Engineering, Biomedical Engineering Department, Istanbul, Turkey
ETT0036	<i>Investigation of Sound Insulation Parameters of Nonwoven Surfaces Obtained From Chicken Feather Fibers Using Low Melt Fibers</i>	<b>Süreyya Kocatepe;</b> Department of Textile Engineering, Erciyes University, Kayseri, Turkey
ETT0058	<i>Thermophysiological comfort properties of car seat materials</i>	<b>Funda Buyuk Mazari;</b> Department of Clothing, Technical University of Liberec, Czech Republic
ETT0158	<i>Eco-friendly cotton fabric finishes using natural dyes</i>	<b>Sondes Gargoubi;</b> Laboratory of Textile Engineering - LGTex, University of Monastir, Monastir, Tunisia
ETT0193	<i>Investigation of Water Permeability of Ultrasonic Seaming on PU Coated Fabrics</i>	<b>Ayşe Şevkan Macit;</b> Textile Engineering Department, Uşak University, Uşak, Turkey

### 17:00 – 18:00 POSTER PRESENTATION SESSION

(First Part: 35 Posters; see details at the poster list)

\* The poster presentation certificate will be given during the poster session.

\* Poster Session Chairs: Dr. Mustafa Sabri Özen; Dr. Erhan Sancak; Dr. Muhammet Uzun

# SUNDAY – 15 APRIL 2018

09:00 – 10:00 Registration

## PLENARY SESSION

KARADENİZ HALL

09:00 – 11:00

Chair Person: Prof. Dr. Tanveer Hussain; <i>National Textile University, Pakistan</i>		
ETT-Invited-1	Dr. Amit Rawal	<i>Indian Institute of Technology, Delhi (IITD), India</i>
ETT-Invited-2	Prof. Dr. Dariush Semnani	<i>Isfahan University of Technology, Iran</i>
ETT-Invited-3	Prof. Dr. Gordana Colovic	<i>The College of Textile, Serbia</i>
ETT-Invited-4	Dr. Navneet Soin	<i>The University of Bolton, U.K</i>

11:00 – 11:15 COFFEE BREAK

## PARALLEL SESSIONS

KARADENİZ HALL

11:15 – 12:30 (Medical Textiles)

Chair Person: Prof. Dr. Serdar Salman; <i>National Defense University, Turkey</i>		
ETT0085	<i>Investigation of the Permeability Properties of Commercially Available Reusable and Disposable Surgical Gowns</i>	<b>Hatice Kübra Kaynak;</b> Textile Engineering Department, Gaziantep University, Turkey
ETT0086	<i>Process Development For Controlling Of The Viscosity Increase Of The Ozonated Oils Used Medical Textiles</i>	<b>Koray Pektaş;</b> Textile Engineering Department, Kahramanmaraş Sutcu Imam University, Turkey
ETT0105	<i>Investigation barrier properties of Linear Low Density Polyethylene (LLDPE) spunbond fabrics</i>	<b>Esin Sarioglu;</b> Textile Engineering Engineering Faculty, Gaziantep University, Turkey
ETT0121	<i>Examination of a plant extract for smart wound dressings</i>	<b>Ayben Pakolpakçil;</b> Textile Engineering Department, Uludag University, Bursa, Turkey
ETT0155	<i>The Investigation of Antimicrobial Properties of Ag–Alginate Coated Polyester/Viskose Nonwoven Fabric</i>	<b>Kübra Yıldız;</b> Department of Fashion Design, Sebinkarahisar School of Applied Science, Giresun University, Turkey

# SUNDAY – 15 APRIL 2018

## MARMARA HALL

### 11:15 – 12:30 (Smart and Interactives)

<b>Chair Person: Tanya Louise Dove; Hong Kong Polytechnic University, Hong Kong</b>		
ETT0100	<b><i>Polymerization and characterization of N-vinylcaprolactam based thermoresponsive polymers for textile applications</i></b>	<b>Sena Demirbağ;</b> Department of Textile Engineering, Usak University, Usak, Turkey
ETT0118	<b><i>Conductive Cotton Yarn For Wearable Electronics</i></b>	<b>Demet Yılmaz;</b> Department of Textile Engineering, Süleyman Demirel University
ETT0122	<b><i>Pressure Sensing Behaviour of PEDOT:PSS Coated Polyester Fabrics</i></b>	<b>Ayşe Didem Erol;</b> Textile Engineering, Kahramanmaraş Sutcu Imam University, Turkey
ETT0123	<b><i>Smart Costume Design With Wearable Electronics</i></b>	<b>Merve Balkıs;</b> Fashion Design Department, Gazi University, Ankara, Turkey
ETT0136	<b><i>Temperature Sensing Behavior of PEDOT: PSS Coated Smart Textiles</i></b>	<b>Hidayet Köse;</b> Textile Engineering, Kahramanmaraş Sutcu Imam University, Turkey

## BÜYÜKADA HALL

### 11:15 – 12:30 (Nanotechnology)

<b>Chair Person: Prof. Dr. Gordana Colovic: The College of Textile, Serbia</b>		
ETT0152	<b><i>Preparation and Cotton Fabric Applications of Chitosan-Silver Nanocomposite</i></b>	<b>Merve Türemen;</b> Department of Textile Engineering, Ege University, Turkey
ETT0173	<b><i>PVP/Gelatin/Lavander Essential Oil Based Nanofiber Production With Green Electrospinning Approach</i></b>	<b>Hülya Kesici Güler;</b> Department of Textile Engineering, Süleyman Demirel University, Isparta, Turkey
ETT0015	<b><i>Investigation on the effect of garment fit on thermal transfer performance of clothing by combining non-contact measuring tools</i></b>	<b>Sertaç Güney;</b> Department of Textile Engineering, Süleyman Demirel University, Isparta, Turkey
ETT0062	<b><i>Electrospinning of Composite Fibers with Luminescence Properties</i></b>	<b>Ramazan Erdem;</b> Textile Technologies, Akdeniz University, Antalya, Turkey
ETT0202	<b><i>Synthesis of PVC/ Zn(NO<sub>3</sub>)<sub>2</sub> nanofibers for the production of PVC/ZnO hybrid nanofibers</i></b>	<b>Yakup Aykut;</b> Uludağ University, Bursa, Turkey

### 12:30 – 14:00 LUNCH - INTEREXPO HALL



# SUNDAY – 15 APRIL 2018

## KARADENİZ HALL

### 14:00 – 15:15 (Advances Design)

Chair Person: Dr. İlhan Ozen; Erciyes University, Turkey		
ETT0045	<i>Improving Liquid Transfer Performance of Cotton Woven Fabrics Woven with Different Constructional Parameters</i>	<b>Büşra Özkan</b> ; Uludag University, Textile Engineering Department, Bursa, Turkey
ETT0068	<i>Cultural Sustainability In Textile: Checked Fabric Of Malatya</i>	<b>Hilal Bilgiç</b> ; Yeşilyurt Vocational School, İnönü University, Malatya, Turkey
ETT0088	<i>Properties of Weft Knitted Fabrics Made from Dual Core-Spun Yarns</i>	<b>Abd Elmonem Faheem Fouda</b> ; Textile Engineering Department, Faculty of Engineering, Mansoura University, Mansoura, Egypt
ETT0089	<i>Effect of Lateral Fabric Resistance on The Axial Compressive Force of The Industrial Sewing Needle</i>	<b>Ibrahim El Hawarry</b> ; Alexandria University, Faculty of Engineering, Textile Engineer, Egypt
ETT0114	<i>A Study About The Effect Of Dual-Core And Core Materials On Yarn And Some Fabric Properties</i>	<b>Sevim Hümeyra Çelikkan</b> ; Department of Textile Engineering, Süleyman Demirel University, Turkey

### 15:15– 15:30 COFFEE BREAK

### 15:30 – 16:45 (Ecological Textiles)

Chair Person: Musa Akdere; RWTH Aachen University, Aachen, Germany		
ETT0083	<i>Multidirectional Investigation Of Organic Cotton Fabrics Dyed With Gall Oak</i>	<b>Emine Torgan Güzel</b> ; Gazi University, Institute of Fine Arts, Ankara, Turkey
ETT0092	<i>Dyeing of Silk Fabric with Natural Dye Extracted from Leaves and Stem Bark of Dalbergia sisso</i>	<b>Muhammad Tahir Hussain</b> ; Department of Applied Sciences, National Textile University, Faisalabad, Pakistan
ETT0012	<i>Optimization of ring spinning process parameters of cotton yarn</i>	<b>Mohammad Ali Zeeshan</b> ; Baluchistan University, Quetta
ETT0157	<i>Textile-Based Wearable Pedometer</i>	<b>Asli Atalay</b> ; Department of Textile Engineering, Marmara University, Istanbul, Turkey
ETT0082	<i>Reproduction Of The Ottoman Palace Fabrics Using Natural Dyes</i>	<b>Recep Karadağ</b> ; Marmara University, Faculty of Fine Arts, Textile Department, Natural Dyes Laboratory

# SUNDAY – 15 APRIL 2018

## MARMARA HALL

### 14:00 – 15:15 (Composite Materials)

Chair Person: Stefan Peterek; RWTH Aachen University, Aachen, Germany		
ETT0124	<b><i>Design of an Alternative Heat Insulation Wall Fabric With Hot Melt Adhesives in Different Forms</i></b>	<b>Ayse Özkal;</b> Department of Textile Engineering, Pamukkale University, Denizli, Turkey
ETT0128	<b><i>Utilizing Recycled High Density Polyethylene Caps of Polyethylene Terephthalate Bottles in Composite Plates</i></b>	<b>Ipek Yalçın Eniş;</b> Department of Textile Engineering, Istanbul Technical University, Istanbul, Turkey
ETT0168	<b><i>How Mathematical Models Can Improve Process Chain Designing</i></b>	<b>Florian Brillowski;</b> Institute for Textile Technology of RWTH Aachen University, Aachen, Germany
ETT0174	<b><i>Selection method for grippers for handling of reinforcing textiles in automated composite process chains</i></b>	<b>Hans Christian Frueh;</b> Institut für Textiltechnik, RWTH Aachen University, Aachen, Deutschland
ETT0207	<b><i>Investigation on SO<sub>2</sub> Adsorption Capacity of Graphene Oxide Fibers with Activated Carbon Particles and Metal Salt</i></b>	<b>Pelin Altay;</b> Istanbul Technical University, Textile Engineering Department, Istanbul, Turkey

### 15:15– 15:30 COFFEE BREAK

### 15:30 – 16:45 (Computer Technology for Textiles and Apparel)

Chair Person: Dr. Gülden Turhan; Marmara University		
ETT0041	<b><i>An Automatic Mechatronic System Design for Powder Dyestuff Systems in Textile Industry</i></b>	<b>Ozgur Turay Kaymakci;</b> Yildiz Technical University, İstanbul, Turkey
ETT0044	<b><i>Methods of line balancing in garment industry: review paper</i></b>	<b>Ibrahim Abdo Elhawary;</b> Department of Textile, Alexandria University, Faculty of Engineering, Alexandria, Egypt.
ETT0090	<b><i>Novel techniques to analyse the comfort of car seats</i></b>	<b>Adnan Ahmed Mazari;</b> Department of Clothing, Technical University of Liberec, Czech Republic
ETT0067	<b><i>The Effects of Different Types of MWCNTs on the Mechanical Properties of Textile-Based Composites</i></b>	<b>Hande Sezgin;</b> Department of Textile Engineering, Istanbul Technical Uni., Turkey
ETT0147	<b><i>3D Revolution in the Fashion Industry</i></b>	<b>Candan Ayla;</b> Department of Fashion and Textile, Faculty of Fine Arts and Architecture, Gedik University, Istanbul, Turkey

# SUNDAY – 15 APRIL 2018

## BÜYÜKADA HALL

### 14:00 – 15:15 (Protective Textiles and Composite Materials)

Chair Person: Prof.Dr.Mustafa E. Üreyen; <i>Anadolu University</i>		
ETT0065	<b><i>Improving the Water Resistance of Filament Woven Fabrics with Microfilament Yarns</i></b>	<b><i>Maher Alsayeed</i></b> ; Textile Engineering Department, Gaziantep University, Turkey
ETT0177	<b><i>Sound Absorbing Properties of Nonwoven Fabrics Produced from Biofibres for Automotive Applications</i></b>	<b><i>Mustafa Sabri Özen</i></b> ; Department of Textile Engineering, Marmara University, Technology Faculty, Istanbul, Turkey
ETT0198	<b><i>Potential of Using Sandwich Panels of Flax Fibers Waste in Thermal Insulation and Other Applications</i></b>	<b><i>Alaa Arafa Badr</i></b> ; Textile Engineering Department, Faculty of Engineering, Alexandria University, Egypt
ETT0064	<b><i>The globalization of the Egyptian cotton industry quality via the engineering units, part2: the impact of the latest Egyptian cottons generation on the yarn quality factor</i></b>	<b><i>Ibrahim Abdou Elhawary</i></b> ; Textile Engineering Department, Alexandria University, Egypt
ETT0132	<b><i>Investigation Of Antibacterial Properties of PVA/Gelatin/ Benzalkonium Chloride Composite Nanofibers Obtained By Electrospinning Method</i></b>	<b><i>Onur Yolay</i></b> ; Department of Nutrition and Dietetics, Istanbul Aydin University, Istanbul, TURKEY

### 15:15– 15:30 COFFEE BREAK

### 15:30 – 16:45 (Biologically Inspired Textiles and Technical Textiles)

Chair Person: Dr. Muhammad Tahir; <i>National Textile University, Faisalabad, Pakistan</i>		
ETT0084	<b><i>Lotus Effect Inspired Materials: Contact Angle Validation on Modified Ramie Yarn for Self-Cleaning Textile</i></b>	<b><i>Adi Surya</i></b> ; Materials Science and Engineering Department, Institut Teknologi Bandung, West Java 40132, Indonesia
ETT0175	<b><i>Microclimate regulation with spacer fabrics</i></b>	<b><i>Musa Akdere</i></b> ; Institute for Textile Technology of RWTH Aachen University, Aachen, Germany
ETT0037	<b><i>Investigation on Unevenness, Hairiness And Frictional Properties of Some Regenerated Cellulosic Yarns</i></b>	<b><i>Oğuz Demiryürek</i></b> ; Textile Engineering Department, Erciyes University, Kayseri, Turkey
ETT0140	<b><i>Sensory carbon rovings used for leakage detection in water pipes made of textile reinforced concrete</i></b>	<b><i>Gözdem Dittel</i></b> ; Institut für Textiltechnik, RWTH Aachen University, Aachen, Germany
ETT0143	<b><i>Investigation of thermal degradation of Wool/PA blends by TGA and MCC</i></b>	<b><i>Elif Kaynak</i></b> ; Anadolu University, Faculty of Engineering, Chemical Engineering Department, Eskişehir, Turkey

### 17:00 – 18:00 POSTER PRESENTATION

(Second Part: 30 Posters; see details at the poster list)

\* The poster presentation certificate will be given during the poster session.

\* Poster Session Chairs: Dr. Mustafa Sabri Özen; Dr. Erhan Sancak; Dr. Muhammet Uzun

### 18:30 – 20:30 COCTAIL AND GALA DINNER - INTEREXPO HALL

# MONDAY – 16 APRIL 2018

## **PARALLEL SESSIONS** **KARADENİZ HALL**

**10:00 – 11:15 (Technical Textiles)**

<b>Chair Person: Prof.Dr. Müge Yükseloğlu; Marmara University</b>		
<b>ETT0125</b>	<b><i>An Investigation on Thermal Conductivity Properties of Epoxy Based Twill Fabrics Carbon Composites</i></b>	<b><i>Oğuz Eryilmaz; Department of Textile Engineering, Marmara University, Istanbul, Turkey</i></b>
<b>ETT0131</b>	<b><i>Artistic Design With Technical Textiles</i></b>	<b><i>Çimen Bayburtlu; Marmara University, İstanbul, Turkey</i></b>
<b>ETT0154</b>	<b><i>Perspective Of Printing Industry To The Technical Textiles: Wallpaper</i></b>	<b><i>Gülhan Acar Büyükpehlivan; Marmara University, İstanbul, Turkey</i></b>
<b>ETT0058</b>	<b><i>Analyzing the Effect of Air Gap Created by Insertion of Shape Memory Alloy Springs Between Fabric Layers of Protective Clothing Against Convective and Radiant Heat</i></b>	<b><i>Elif Yilmaz; Emel Akın Vocational School, Ege University, Izmir, Turkey</i></b>

## **MARMARA HALL**

**10:00 – 11:15 (Technical Textiles)**

<b>Chair Person: Dr. Mustafa Sabri Özen; Marmara University</b>		
<b>ETT0162</b>	<b><i>Level of Recognition of Technical Textile Terms by University Students</i></b>	<b><i>Gülden Turhan; Department of Textile Engineering, Marmara University, Istanbul, Turkey</i></b>
<b>ETT0146</b>	<b><i>Electronic Textiles (E-Textile)</i></b>	<b><i>Tuğçe İşgören; Institute of Pure and Applied Science, Marmara University, Istanbul, Turkey</i></b>
<b>ETT0101</b>	<b><i>Historical Development of Swimsuit as a Textile Product and Its Effects on Swimming Performance</i></b>	<b><i>Ismail Yüce; Trakya University, Edirne, Turkey</i></b>
<b>ETT0159</b>	<b><i>Ultrasonic assisted surface treatment of okra fibers</i></b>	<b><i>Büşra Ardıç; Department of Polymer Science and Technology, Marmara University, Istanbul</i></b>

# MONDAY – 16 APRIL 2018

## BÜYÜKADA HALL

### 10:00 – 11:15 Student Presentation Section

Chair Person: Dr. Erhan Sancak; <i>Marmara University</i>		
ETT0120	<b><i>A Review on Bio-Nanofiber Membranes with Herbal Extract Blends</i></b>	<b><i>Nişen Sünter Eroğlu</i></b> ; Institute of Pure and Applied Science, Marmara University, Istanbul, Turkey
ETT0129	<b><i>Antibacterial Properties Of Poliurethane / Benzalkonium Chloride Nanofibers</i></b>	<b><i>Ayşe Feyza Arslan</i></b> ; Institute of Pure and Applied Science, Marmara University, Istanbul, Turkey
ETT0225	<b><i>Stab and Slash Resistance in Protective Garments</i></b>	<b><i>Abdulkadir Pars</i></b> ; Institute of Pure and Applied Science, Marmara University, Goztepe, Istanbul, Turkey
ETT0229	<b><i>Production and Characterization of Cartilage Tissue Scaffolds by 3D Printing</i></b>	<b><i>Fatma Betül Erdiler</i></b> ; Department of Bioengineering, Faculty of Engineering, Marmara University, Goztepe, İstanbul, Turkey

## KARADENİZ HALL

**11:30-12:00 ETT2018 Conference Closing Ceremony**

**12:00-17:00 ITM2018 and HIGHTEX 2018 Exhibitions  
Technical Visit Free Session**

# POSTERS - SATURDAY – 14 APRIL 2018

## **[P-0010] - Comparison of Virtual Try-On in Different 3D Virtual Garment Simulations**

Sertaç Güney<sup>1</sup>, Kristina Ancutiene<sup>2</sup>, Fatma Gürsoy<sup>3</sup>, Ibrahim Üçgül<sup>1</sup>

<sup>1</sup>Department of Textile Engineering, Süleyman Demirel University, Isparta, Turkey

<sup>2</sup>Department of Production Engineering, Kaunas University of Technology, Kaunas, Lithuania

<sup>3</sup>Department of Fashion Design, Selçuk University, Konya, Turkey

## **[P-0026] - A comparison Between the Manual Method and the 3D Programs in the Preparation of Models Draping on the Dress Form**

Shadia Hassan Salem<sup>1</sup>, Abir Abdelhamid Ibrahim<sup>2</sup>

<sup>1</sup>Department of Home Economics, Faculty of Specific Education, Mansoura University, Mansoura, Egypt.

<sup>2</sup>Department of Clothes and Textile, Faculty of Home Economics, Helwan University, Cairo, Egypt.

## **[P-0030] - “Utilizing the Aesthetics of AI Musannaf Using 3D Techniques in Design on the Mannequin”**

Abir Abdelhamid Ibrahim

Department of Clothes and Textile – Faculty of Home Economics – Helwan University - Cairo – Egypt.

## **[P-0031] - Utilizing the Aesthetics of AI Musannaf Using 3D Techniques in Design On the Modeling”**

Abir Abdelhamid Ibrahim

Department of Clothes and Textile – Faculty of Home Economics – Helwan University - Cairo – Egypt.

## **[P-0043] - Polyethylene based carbon fiber costing**

Tim Alexander Rödning, Musa Akdere, Thomas Gries

Institut für Textiltechnik (ITA) der RWTH Aachen University

## **[P-0046] - Melt spinning of carbonnanoparticle-modified polyamide for technical applications**

Merle Orth, Musa Akdere, Thomas Gries

Institut für Textiltechnik der RWTH Aachen University

## **[P-0053] - Modular machine set-up for the production of split tows and hybrid rovings**

Klaus Vonberg, Musa Akdere, Thomas Gries

Institut für Textiltechnik, RWTH Aachen University, Aachen, Germany

## **[P-0054] - Improve Mechanical Dynamical Properties and Impact Resistance of Polyvinyl Alcohol by Halloysite Nanotubes and Additives**

Kourosh Sayar Dogahe, Mohammad Haghghat Kish, Somaye Akbari

Department of Textile Engineering, Amir Kabir University of Technology, Iran, Tehran

## **[P-0055] - Polyethylene Terephthalate (PET) Based Nanofibrous Vascular Access**

Maryam Yousefzadeh<sup>1</sup>, Sahar Jafari<sup>2</sup>, Maryam Rahmatinezhad<sup>1</sup>, Atefeh Solouk<sup>2</sup>

<sup>1</sup>Textile Engineering Department, Amirkabir University of Technology, Tehran 1591634311, Iran

<sup>2</sup>Biomedical Engineering Department, Amirkabir University of Technology, Tehran 1591634311, Iran

## **[P-0061] - The Effectiveness of using Camera in entering of Clothing Pattern on Graphics Programs**

Shadia Salah Salem

Home Economics Department –Faculty of Specific Education–Mansoura University–Egypt

## **[P-0071] - Composite Nanostructures in Energy Applications**

Havva Baskan<sup>1</sup>, Ismail Borazan<sup>2</sup>

<sup>1</sup>Department of Textile Engineering, Istanbul Technical University, Istanbul, Turkey

<sup>2</sup>Department of Textile Engineering, Bartın University, Bartın, Turkey

## **[P-0073] - The Effect of Cross-linking Agent on the Efficiency of Immobilized B-Cyclodextrins on Cotton**

Malihe Nazi<sup>1</sup>, Reza Mohammad Ali Malek<sup>2</sup>, Fatemeh Bokaeiee Zavareh<sup>2</sup>

<sup>1</sup>Department of Textile and Leather, Standard Research Institute, Karaj, Iran

<sup>2</sup>Textile Engineering Department, Amirkabir University of Technology, Tehran, Iran

## **[P-0074] - Investigation of the oil absorption of keratin-polypropylene composite**

Ali Mianehro, Fatemeh Dadashian

Department of textile, Amirkabir university of technology, Tehran, Iran

# POSTERS - SATURDAY – 14 APRIL 2018

## **[P-0076] - High efficient reactive filtration technology for exhaust air in waste water treatment plants**

Lukasz Debicki<sup>1</sup>, Thomas Gries<sup>1</sup>, Andreas Obermayer<sup>2</sup>, Frank Magdeburg<sup>2</sup>

<sup>1</sup>Institut für Textiltechnik der RWTH Aachen University, Germany

<sup>2</sup>Unitechnics KG, Schwerin, Germany

## **[P-0077] - Tensile Properties of Paper-Waste Derived Lignin Film Reinforced Carbon/PP(Polypropylene) Flexible Laminates**

Gaye Yolacan Kaya<sup>1</sup>, Yıldırım Çiftçi<sup>1</sup>, Nurcan Kurtoğlu<sup>1</sup>, Mehmet Daşdemir<sup>2</sup>, Yasemin Korkmaz<sup>1</sup>

<sup>1</sup>Department of Textile Engineering, Kahramanmaraş Sutcu Imam University, Kahramanmaraş, Turkey

<sup>2</sup>Department of Textile Engineering, Gaziantep University, Gaziantep, Turkey

## **[P-0079] - Recycling and Reuse of Clothing and Textiles in Textiles Industry**

Norah Nasser Bin Krad

Department of Uk, Heriot- Waatt University, Edinburgh, Uk

## **[P-0087] - Effects of drought stress in the presence of agrotexile material possessing high water absorption capacity and controlled fertilizer release property**

Ilhan Ozen<sup>1</sup>, Gamze Okyay<sup>1</sup>, Abdullah Ulas<sup>2</sup>

<sup>1</sup>Department of Textile Engineering, Erciyes University, Kayseri, Turkey

<sup>2</sup>Department of Soil Science and Plant Nutrition, Erciyes University, Kayseri, Turkey

## **[P-0093] - In situ thermoplastic coating of melt spun glass fibres**

Alexander Lüking, Richard Haas, Musa Akdere, Robert Brüll, Davide Pico, Thomas Gries

Institut für Textiltechnik RWTH Aachen University, Aachen, Germany

## **[P-0097] - Micro Capsules towards a better Recyclability of Multi-Material Textile Bonds**

Martin Pelzer<sup>1</sup>, Gries Thomas<sup>1</sup>, Günday Türeli Nazende<sup>2</sup>, Rakus Sigrun<sup>3</sup>, Bayer Rene<sup>3</sup>

<sup>1</sup>Institut für Textiltechnik der RWTH Aachen University (Germany)

<sup>2</sup>MJR PharmJet GmbH, Überherrn (Germany)

<sup>3</sup>Opti-Polymers GmbH, Rudolstadt (Germany)

## **[P-0103] - High performance textiles in space suit**

Ayşe Feyza Arslan<sup>1</sup>, Nuray Oz Ceviz<sup>2</sup>, Sevhan Muge Yukseloglu<sup>3</sup>

<sup>1</sup>Institute of Pure and Applied Sciences, Marmara University, Istanbul, Turkey

<sup>2</sup>Clothing Production Technology, Vocational School of Technical Sciences, Marmara University, Istanbul, Turkey

<sup>3</sup>Department of Textile Engineering, Faculty of Technology, Marmara University, Istanbul, Turkey

## **[P-0108] - Textiles Emitting Far Infrared Rays**

Suat Canoglu<sup>1</sup>, Ismail Yuçe<sup>2</sup>, Sevhan Muge Yukseloglu<sup>1</sup>

<sup>1</sup>Textile Engineering, Faculty of Technology, Marmara University, Istanbul, Turkey

<sup>2</sup>Institute of Pure and Applied Sciences, Marmara University, Istanbul, Turkey

## **[P-0111] - Wound Dressing Materials Made of SF Nanofibers**

Sevhan Muge Yukseloglu, Suat Canoglu

Department of Textile Engineering, Faculty of Technology, Marmara University, Istanbul, Turkey

## **[P-0135] - One Bath Dyeing of PBT/Nylon Blended Seamless Fabrics**

Fatma Filiz Yıldırım, Esra Gelgeç, Şaban Yumru, Mustafa Çörekciöğlü

OZANTEKS Tekstil San. ve Tic. A.Ş. R&D Center, Denizli, Turkey

## **[P-0141] - Effect of yttria addition on the microstructure and mechanical properties of alumina doped hydroxyapatite**

Suleyman Serdar Pazarlioglu, Serdar Salman

Department of Metallurgy and Materials Engineering, Marmara University, Istanbul, Turkey

## **[P-0144] - The Standing and Significance of Technical Textiles in Manufacturing of Sportswear**

Fatma Çitoğlu

Marmara University

# POSTERS - SATURDAY – 14 APRIL 2018

## **[P-0145] - The Effect of Different Washing Methods in Frequently Used Denim Fabrics on the Fabric Characteristics and the New Generation Denim Fabrics: An Industry 4.0 Application**

Fatma Çitoğlu, Nuray Öz Ceviz  
Marmara University

## **[P-0149] - Lanthanum oxide doped hydroxyapatite-alumina composites as a bioceramic**

Suleyman Serdar Pazarlioglu, Serdar Salman  
Department of Metallurgy and Materials Engineering, Marmara University, Istanbul, Turkey

## **[P-0151] - The Role of Textile Sector in Personal Protective Equipments**

Bekir Oral<sup>1</sup>, Erkan Işgören<sup>2</sup>  
<sup>1</sup>Department of Property Protection, Vocational School of Technical Sciences, Marmara University, Istanbul, Turkey  
<sup>2</sup>Department of Textile Engineering, Faculty of Technology, Marmara University, Istanbul, Turkey

## **[P-0163] - Camera-based onloom quality control of woven fabrics with complex jacquard patterns**

Andreas Münkel<sup>1</sup>, Musa Akdere<sup>1</sup>, Thomas Gries<sup>1</sup>, Oliver Rippel<sup>2</sup>, Dorit Merhof<sup>2</sup>  
<sup>1</sup>Institute of Textile Technology, RWTH Aachen University, Aachen, Germany  
<sup>2</sup>Institute of Imaging & Computer Vision, RWTH Aachen University, Aachen, Germany

## **[P-0165] - Price perceptions for smart textile products according to different economic indicators**

Gülden Turhan, Mehmet Akalin  
Department of Textile Engineering, Marmara University, Istanbul, Turkey

## **[P-0166] - Effect of microwave energy on sound absorption of chemical treated agricultural fibers**

Ayben Adalet Izgi<sup>1</sup>, Burcu Yılmaz Şahinbaşkan<sup>2</sup>, Nigar Merdan<sup>3</sup>, Emine Dilara Koçak<sup>2</sup>  
<sup>1</sup>Department of Polymer Science and Technology, Institute of Pure and Applied Sciences, Marmara University, Istanbul  
<sup>2</sup>Department of Textile Engineering, Faculty of Technology, Marmara University, Istanbul  
<sup>3</sup>Department of Fashion and Textile Design, Istanbul Commerce University, Istanbul

## **[P-0167] - Electrochemical cleaning of welds with carbon fiber brushes**

Felix Pohlkemper, Franz Pursche, Sebastian Oppitz, Thomas Gries  
Institut fuer Textiltechnik of RWTH Aachen University, RWTH University, Aachen, Germany

## **[P-0171] - Improvement Study of Comfort and Protection Properties of Arabic Shemagh Textile**

Muna Mohd Hijji  
College of Design, Umm Alqura University, Makkah, Saudi Arabia

## **[P-0176] - Development of Self-Reinforced Bio-Polymer Composites**

Musa Akdere<sup>1</sup>, Thomas Köhler<sup>1</sup>, Christian Vierkötter<sup>1</sup>, Justine Beauson<sup>2</sup>, Kevin Moser<sup>3</sup>, Hans Knudsen<sup>4</sup>, Thomas Gries<sup>1</sup>  
<sup>1</sup>Institute for Textile Technology of RWTH Aachen University, Aachen, Germany  
<sup>2</sup>Technical University of Denmark, Department of Wind Energy, Roskilde, Denmark  
<sup>3</sup>Fraunhofer Institute for Chemical Technology ICT, Pfingsttal, Germany  
<sup>4</sup>Comfil ApS, Gjern, Denmark

## **[P-0180] - The categories of sports and exercise-related products purchased in the UK and the reasons for their preference**

Gülden Turhan, Mehmet Akalin  
Department of Textile Engineering, Marmara University, Istanbul, Turkey

## **[P-0181] - Functional Nanofibers for Wearable Electronics**

Maryam Yousefzadeh  
Textile Engineering Department, Amirkabir University of Technology, Tehran 1591634311, Iran



# POSTERS - SUNDAY – 15 APRIL 2018

## **[P-0194] - Cellulose and Protein Waste based Recycled Wallpaper Design**

Gülenay Kadioğlu, Seda Sargın, Muhammet Uzun

*Textile Engineering, Faculty of Technology, Marmara University, Goztepe, Istanbul, 34722, Turkey*

## **[P-0197] - Virtual 3D prototyping between fashion design and modern garments production**

Danijela Paunović<sup>1</sup>, Olga Stojanović<sup>1</sup>, Nikola Maksimović<sup>1</sup>, Mina Paunović<sup>1</sup>, Vesna Marić<sup>2</sup>

<sup>1</sup>*The Collage of Design, Technology and Management, Belgrade, Serbia*

<sup>2</sup>*The School of Textile Design, Belgrade, Serbia*

## **[P-0199] - The Investigation Of Heating Effect Of Reduced Graphene Oxide Coated Nonwoven Fabric**

Nergis Demirel Gültekin, Ismail Usta

*Department of Textile Engineering, Marmara University, Istanbul, Turkey*

## **[P-0201] - Bleaching of SeaCell® Active/Cotton Blend Fabrics with Hydrogen Peroxide**

Bekir Cenküt Gültekin

*Department of Textile Engineering, Marmara University, Istanbul, Turkey*

## **[P-0203] - Use of Technological Fibers in Clothing Design, Innovative Appearances and Expectations**

Demet Öznaz<sup>1</sup>, Çimen Bayburtlu<sup>2</sup>, Mustafa Selçuk Uzmanoğlu<sup>1</sup>

<sup>1</sup>*Department of Desing, Marmara University, Technical Vocational High School, Istanbul Türkiye*

<sup>2</sup>*Department of Jewelry Desing, Marmara University, School of Jewelry Technology and Design Istanbul Türkiye*

## **[P-0205] - Study of the optical illusion on body image perception**

Amine Haj Taieb<sup>1</sup>, Hela Ennouri<sup>2</sup>

<sup>1</sup>*Textile Design Department, Sfax University, Sfax, Tunisia*

<sup>2</sup>*LGTEX, ISET University, Ksar Hellal, Tunisia*

## **[P-0206] - Effects of carbon nanotube-phosphorus based flame retardant combinations on flammability of polypropylene**

Ayfer Irem Koca<sup>1</sup>, Mustafa Erdem Ureyen<sup>2</sup>, Gamze Yuksel<sup>1</sup>, Fadime Karaer<sup>3</sup>

<sup>1</sup>*Anadolu University, Graduate School of Sciences, Department of Advanced Technologies, Iki Eylul Campus, Eskisehir 26555, Turkey*

<sup>2</sup>*Anadolu University, Civil Aviation Research Center, Iki Eylul Campus, Eskisehir 26555, Turkey*

<sup>3</sup>*Anadolu University, Faculty of Engineering, Environmental Engineering Department, Iki Eylul Campus, Eskisehir 26555, Turkey*

## **[P-0209] - Investigation of Color and Function Characteristics of Natural Colors Obtained From Roses**

Bervan Demir<sup>1</sup>, Mehmet Akalin<sup>2</sup>

<sup>1</sup>*Institute of Science, Marmara University, Istanbul, Turkey*

<sup>2</sup>*Faculty of Technology, Marmara University, Istanbul, Turkey*

## **[P-0210] - 3D Bioprinted Syntethic Blood Vessels Scaffolds For Cardiovascular Tissue Engineering**

Mehmet Onur Aydogdu<sup>1</sup>, Muhammet Uzun<sup>2</sup>, Oguzhan Gunduz<sup>3</sup>

<sup>1</sup>*Department of Metallurgical and Materials Engineering, Master of Science, Institute of Pure and Applied Sciences, Marmara University, Goztepe Campus 34722 Istanbul, Turkey*

<sup>2</sup>*Department of Textile Engineering, Faculty of Technology, Marmara University, Goztepe Campus 34722 Istanbul, Turkey*

<sup>3</sup>*Department of Metallurgical and Materials Engineering, Faculty of Technology, Marmara University, Goztepe Campus, 34722 Istanbul, Turkey*

# POSTERS - SUNDAY – 15 APRIL 2018

## **[P-0211] - Effect of Voltage on Scaffold Using EHD Bioprinting Hybrid System**

Esra Altun<sup>1</sup>, Oguzhan Gündüz<sup>2</sup>

<sup>1</sup>Department of Metallurgical and Materials Engineering, Master of Science, Institute of Pure and Applied Sciences, Marmara University, Turkey

<sup>2</sup>Department of Textile Engineering, Faculty of Technology, Marmara University, Turkey

<sup>3</sup>Department of Metallurgical and Materials Engineering, Faculty of Technology, Marmara University, Turkey

## **[P-0212] - Investigation of lipolytic slightly halophilic bacteria on salted goatskins**

Pinar Caglayan, Meral Birbir

Division of Plant Diseases and Microbiology, Department of Biology, Faculty of Arts and Sciences, Marmara University, Istanbul, Turkey

## **[P-0213] - Proteolytic slightly halophilic bacterial numbers on salted goatskins belonging to different countries**

Meral Birbir, Pinar Caglayan

Division of Plant Diseases and Microbiology, Department of Biology, Faculty of Arts and Sciences, Marmara University, Istanbul, Turkey

## **[P-0214] - The antibacterial effect of green synthesized silver nanoparticles on cotton fabric**

Ebru Bozacı<sup>1</sup>, Aslı Demir<sup>1</sup>, Esen Özdoğan<sup>1</sup>, Fatma Ayhan<sup>2</sup>

<sup>1</sup>Textile Engineering Department, Ege University, Izmir, Turkey

<sup>2</sup>Department of Chemistry, Faculty of Science, Muğla Sıtkı Koçman University

## **[P-0215] - Investigation of Heat Conductivity of Chicken Feather and Pumice Stone Reinforced Composite Materials**

Sabih Ovalı, Ihsa Sayar, Evin Orhan, Melike Nur Genç, Elif Özer, Muhammet Uzun

Marmara University, Faculty of Technology, Department of Textile Engineering, Istanbul, Turkey

## **[P-0216] - Protective Fabric Development for the Upholstery Sector**

Ramazan Gömeç, Hasan Sağır

Aydın Mensucat Döşemelik Kumaş San. ve Tic. A.Ş. İstanbul/Turkey

## **[P-0218] - Pomegranate Tannin Based Nanofibers for Wound Dressings Design**

Deren Aksoy, Hazal Güler, Muhammet Uzun, Metin Yüksek

Marmara University, Faculty of Technology, Textile Engineering, Istanbul/Turkey

## **[P-0220] - Production of the Fluorescent Coloured Cotton Fabrics for High Visibility Clothing**

Erhan Öner, Nida Beyazay

Department of Textile Engineering, Marmara University, Istanbul, Turkey

## **[P-0222] - From Oak to Fabrics Testing and Analyzing Study of cork coated Textile structure**

Nihal Sungur<sup>1</sup>, Rabia Balci<sup>2</sup>, Naime Karanfil<sup>2</sup>, Muhammet Uzun<sup>2</sup>

<sup>1</sup>Textile and Clothing Technology, Hs Niederrhein Germany

<sup>2</sup>Department of Textile Engineering, Faculty of Technology Marmara University Turkey

## **[P-0223] - Development of Novel Barium Sulphate Reinforced Composites for Stab and Slash Resistance Applications**

Atakan Yanıkömer, Kerem Köse, Muhammet Uzun

Textile Engineering, Faculty of Technology, Marmara University, Goztepe, Istanbul, 34722, Turkey

## **[P-0226] - Development Of Composites Reinforced With Hybrid Aramid And Carbon Woven Fabrics For Drone Body**

Ayşegül Kurt, Serdar Salman, Erhan Sancak, Nihal Uzun, Esra Kaya, Hilal Uluköylü

Metallurgy And Material Engineering, Technology of faculty, Marmara University

## **[P-0227] - Development Of Composites Reinforced With Carbon Woven Fabrics For Drone Body**

Hilal Uluköylü, Serdar Salman, Erhan Sancak, Esra Kaya, Ayşegül Kurt, Nihal Uzun

# POSTERS - SUNDAY – 15 APRIL 2018

*Metallurgy and Material Engineering, Faculty Of Technology, Marmara University*

**[P-0233] - Gaining easy cleanability attribute for fabrics made of different raw materials and in different constructions**

Mahir Torsun

*Kadifeteks Mensucat San. A.Ş., İstanbul*

**[P-0234] - Production of Flame-Retardant Polypropylene Yarn And Identification of Production Parameters**

Mahir Torsun

*Kadifeteks Mensucat San. A.Ş., İstanbul*

**[P-0235] - Production of airplane seat fabric that meets aviation standards**

Mahir Torsun

*Kadifeteks Mensucat San. A.Ş., İstanbul*

**[P-0236] - Outdoor Fabric Development**

Adem Mutlu, Mahir Torsun

*Kadifeteks Mensucat San. A.Ş., İstanbul*

**[P-0237] - Decorative Rug Development**

Adem Mutlu, Mustafa Kebabci

*Kadifeteks Mensucat San. A.Ş., İstanbul*

**[P-0238] - Development of new upholstery fabric by giving radiance feature to upholstery fabric**

Murat Bozkurt, Abdulkadir Yagiz

*Kadifeteks Mensucat San. A.Ş., İstanbul*

**[P-0239] - Development of Functional Upholstery Fabric with AntistaticFeatures**

Murat Bozkurt, Abdulkadir Yagiz

*Kadifeteks Mensucat San. A.Ş., İstanbul*

**[P-0240] - Characteristic properties of Astrakhan furs produced from lambskins**

Nilay Örk, Irfan Akça, Gökhan Zengin, Arife Candaş Adıgüzel Zengin, Behzat Oral Bitlisli

*Ege University, Engineering Faculty, Leather Engineering Department, 35100, İzmir, Turkey*

**[P-0241] - Increasing Leukocyte Hormone in the Body by Adding Ginger Nanofiber to Artificial Kidney**

Dicle Ayça Ertek<sup>1</sup>, Muhammet Uzun<sup>2</sup>, Metin Yüksek<sup>2</sup>

<sup>1</sup>*Textile Engineering Department, Textile Engineering Faculty Technical University of Liberec, Czech Republic*

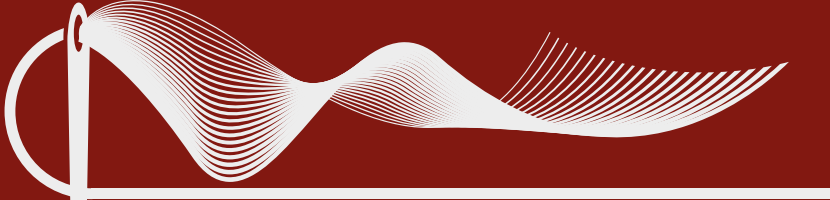
<sup>2</sup>*Textile Engineering Department, Technology Faculty Marmara University, Turkey*

**[P-0243] - Printability of Bamboo Jersey Fabrics in Thermal Transfer Printing System**

Sinan Sönmez<sup>1</sup>, Muhammet Uzun<sup>2</sup>, Ahmet Akgül<sup>1</sup>

<sup>1</sup>*Marmara University, Scholl of Applied Sciences, Department of Printing Technologies İstanbul, Turkey*

<sup>2</sup>*Marmara University, Faculty of Technology, Department of Textile Engineering, İstanbul, Turkey*



# ETT2018

8<sup>th</sup> International  
İstanbul Textile Conference  
Evolution of Technical Textiles

8. Uluslararası  
İstanbul Tekstil Konferansı  
Teknik Tekstillerin Evrimi

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