

7th International Technical Textiles Congress Programme

10-12 October 2018 - Cesme - IZMIR / TURKEY

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10 October Wednesday	
13.00 - 14.00	Registration
14.00 - 14.30	Opening Ceremony -Opening Speeches
14.30 - 15.00	Coffee Break
15.00 - 16.30	Panel: Technical Textiles Industry in Turkey and Future Prospects

11 October 2018	
09:00 - 09:30	Registration
	Invited Speakers (Hall A)
09.30-10.00	Future of natural fibres, new trends in their production, processing and applications especially in scope of technical textiles and their competition with man-made fibres in XXI. century R.M. KOZLOWSKI Institute of Natural Fibres and Medical Plants, Poland
10.00 - 10.30	Advances in Textile Mechanics G. STYLIOS Heriot Watt University, UK
10.30 - 11.00	Coffee Break & Poster Session
	I. Session: Functional Fibers (Hall A)
11.00 - 11.20	Production of melt-spun poly (ϵ -caprolactone) fibers F. SELLİ, E. PERRET, Ü.H. ERDOĞAN* , R.HUFENUS *Dokuz Eylül University, Turkey
	II. Session: Smart and Interactive Textiles (Hall B)
11.20 - 11.40	Antioxidant carotenoids-cyclodextrin inclusion complex nanofibers via electrospinning Z.İ. YILDIZ, F. TOPUZ, B. PATİL, M.E.KİLİC, E. DURGUN, T. UYAR* *Bilkent University, Turkey
11.40 - 12.00	Investigation of the permeability properties knitted fabrics produced from islands in the sea type microfilament yarns N. KÖLEOĞLU, H.K.KAYNAK* * Gaziantep University, Turkey
12.00 - 12.20	Poli lactic acid filament (pla) yarn and woven fabric characterization O. ÇELEN* , H.B. KOÇER, O. TOK *KORTEKS Mensucat San. A.Ş., Turkey
12.20 - 13.30	Joining for Lunch
	III. Session: Transportation Textiles (Hall A)
13.30 - 13.50	Design and analysis of nonwovens with sound absorption properties H. PALAK* , B. KARAGÜZEL KAYAOĞLU *Istanbul Technical University, Turkey
	IV. Session: Protective Textiles (Hall B)
13.50 - 14.10	An investigation on the use of spacer fabrics in office chairs M.S. ÇETİN* , G. KURUMER, G. KARABAY, H. ÖZTÜRK *Dokuz Eylül University, Turkey
14.10 - 14.30	Determination of toxic combustion gases in railway trim materials by a novel method F.F. YILDIRIM* , E. KAYNAK URAZ, F.N. PARIN, K. YILDIRIM *TÜBİTAK BUTAL (Bursa Test And Analysis Laboratory), Turkey
14.30 - 15.00	Coffee Break & Poster Session
	V. Session: Ecological Aspects for Technical Textiles (Hall A)
15.00 - 15.20	Fabrication of conductive composite yarn loaded with silver nanoparticles via "green approach" Ş. KANARA* , S. ÇETİNER, N. BOZAN *Kahramanmaraş Sütçü İmam University, Turkey
	VI. Session: Functional Textiles (Hall B)
15.20 - 15.40	Evaluation of mechanical and dispersible properties of flushable nonwovens H.G. ATASAĞUN* , G. BHAT *Dokuz Eylül University, Turkey
15.40 - 16.00	Performance of the double face lightweight woven fabrics from sustainable yarns D. YAVUZKASAP AYAKTA, V. SÜLAR, E. ÖNER* *Uşak University, Turkey
16.00 - 16.20	Assessing carbon footprint of process efficiency improvement option for flame retardant fabrics based on sol-gel method Y.ÜNVAR, A. AKŞİT, E.SERGİN* , E. KILIÇ *Bati Basma San. A.Ş., Turkey
16.20 - 16.40	Soil degradation behaviour of different textile fibers: visual, morphological and structural properties G. DEVRİM* , V. SÜLAR *Dokuz Eylül University, Turkey
16.40 - 18.00	Poster Session

12 October 2018		
09:00 - 09.30	Registration	
	Invited Speakers (Hall A)	
09.30 - 10.00	Fiber-based materials: trends and opportunities R. FANGUEIRO University of Minho, Portugal	
10.00 - 10.30	Sustainable dyeing and finishing: ultra-deep black dyeing of cotton and structure property relationship of halogen-free flame retardants A. EL-SHAFEI NC State University, USA	
10.30-11.00	Coffee Break & Poster Session	
	I. Session: Composites (Hall A)	
	II. Session: Medical Textiles (Hall B)	
11.00 - 11.20	Bending properties of aramid/phenolic carbon nanotube preform (MWCNTs) structures K. BİLİŞİK* , G. ERDOĞAN, E. SAPANCI, N.S. KARADUMAN, S. GÜNGÖR, G. KAYA *Erciyes University, Turkey	Antibacterial activity of copper-based nanoparticles synthesized on cotton fabric previously modified with oxalic acid D. MARKOVIĆ, T. NUNNEY, C. DEEKS, Z. RADOVANOVIC, M.RADOIĆIĆ, M. RADETIĆ* *University Of Belgrade, Serbia
11.20 - 11.40	Use of PVA plain weave textile as reinforcing material in cementitious composites M.M. DASKIRAN* *Hakkari University, Turkey	Designing textile based sodium alginate dressings with super absorbent polymers E. TUNÇ, E. KÜÇÜKTOPUL, G.C. TÜRKÖĞLU* , S.Y. KARAVANA, T. ÖNDER, A.M. SARIİŞİK *Dokuz Eylül University, Turkey
11.40 - 12.00	Nanofiber veil reinforced composite for interlaminar toughening H.İ. İÇOĞLU* , M.E. İNCE *Gaziantep University, Turkey	Antibacterial fabric production with process water of synthesis of nanoparticle by hydrothermal method B. SANCAR BEŞEN* , O. BALCI *Adiyaman University, Turkey
12.00 - 12.20	Process optimization of glass fiber reinforced PPS composites produced by automated fiber placement S. ORMAN* , M. DOĞU, B. KIN ÖZBEK *Yıldız Teknik University, Turkey	
12.20 - 13.30	Joining for Lunch	
	III. Session: Sportive Textiles (Hall A)	IV. Session: Medical Textiles (Hall B)
13.30 - 13.50	Porosity measurement of microfilament fabrics by image processing and prediction of air permeability by regression analysis E. GÜLTEKİN* , M. ALSAYED, H.İ. ÇELİK, H.K. KAYNAK, O. BABAARSLAN *Gaziantep University, Turkey	Design of a tens knee pad with integrated textile electrodes D.ERDEM* , S. YEŞİLPINAR, Y. ŞENOL *Selçuk University, Turkey
13.50 - 14.10	Moisture management properties of thermally enhanced denim fabrics by chenille yarn S. KAPLAN* , S. ÜSTÜNDAĞ, S. YÜCEL, H.G. TÜRKSOY *Süleyman Demirel University, Turkey	Transferring of the PVA microcapsules containing ozonized oils onto textile surfaces and evaluation of their anti-bacterial activity K. PEKTAS* , O. BALCI, B. SANCAR BEŞEN, C. GÜNEŞOĞLU, M. ORHAN *Kahramanmaraş Sütçü İmam University, Turkey
14.10 - 14.30	Single bath dyeing of polyamide/cotton blends which are used in sportive textiles R. ATAV* , S. SOYSAL, E. ÇAĞLAR, F. YILDIZ *Namık Kemal University, Turkey	Development of novel sanitary napkin airlaid absorbent core material with improved liquid acquisition performance S. KARAKURD ELMA* , İ. KAYNAK, S. NOHUT, M. DAŞDEMİR *Selçuk İplik San. ve Tic. A.Ş. Ar-Ge Merkezi, Turkey
14.30 - 14.50	Study of comfort properties of three-dimensional warp knitted spacer and neoprene laminated fabric structures B. BOYACI, G. SAYIT* , S. GÜL, G. DEVRİM *Sun Tekstil San. ve Tic. A.Ş., Turkey	
14.50 - 15.20	Coffee Break & Poster Session	
	V. Session: Technical Designs (Hall A)	VI. Session: Nano Technical Textiles (Hall B)
15.20 - 15.40	Ready-to-print & wear: 3d printing applications in fashion E. TEKCAN, A. VURUŞKAN* , E. YAZGAN BULGUN, M. KALAYCI *Izmir University Of Economics, Turkey	Providing the washable feature to worsted fabrics by LbL method Ş. S. UĞUR* , N. Ç. CİNERİ, A. M. SARIİŞİK *Süleyman Demirel University-Textile Engineering Department
15.40 - 16.00	The future of textile and fashion design in virtual reality F. KARTELLİ* , M. BERGER, S. KOZBEKÇİ AYRANPINAR, N. ÖNLÜ *Dokuz Eylül University, Turkey	Carbon nanotube covered hierarchically structured technical textiles' preparation via microwave energy-based approach S. POYRAZ Namik Kemal University
16.00 - 16.20	Bending property of seams sealed with adhesive tape A. ŞEVKAN MACİT* , B. TİBER *Uşak University, Turkey	Modulating the surface wettability of self-similar assemblies formed of carbon nanotubes and 3d nonwoven materials S. SHARMA* , K. NAGY, K.G. RAJPUT, I.Y. TOTH, P.V. KAMESHWARA RAO, A. KUKOVECZ, A. RAWAL *Indian Institute Of Technology Delhi, India
16.20- 16.40	Development and characterisation of nonwoven fabrics for apparel applications M. CHEEMA* , T.H. SHAH, S. ANAND, N. SOIN *University of Bolton, UK	
17.00 - 18.00	Poster Session	

POSTER PRESENTATIONS

1	Trailer fabric (tarpaulin) which is developed for eliminating the additional reinforcement process H.G. SELVİ* , Ş. KARAGENÇ, M. YILDIRIM *Zorluteks Tekstil Tic Ve San. A.Ş., Turkey
2	The objective evaluation of pilling tendency of knitted fabrics through digital image processing A. TELLİ* , İ. ÖZKAN *Cukurova University, Turkey

3	Effects of calendaring and fluorocarbon treatment on waterproofness of coated polypropylene fabrics S. KARA* , S. YEŞİLPINAR *Dokuz Eylül University, Turkey
4	Provides thermal insulation, breathable, antibacterial towel laminated denim fabric design E. YENER* , S. TÜRKÇEN, S.B. AVŞAR, O. USLU *Bursalı Tekstil, Turkey
5	Investigation of the performance characteristics of outdoor workers clothes B. USLU, Ş. ÇAKMAK, M. SARIŞIK, G.E. KARTAL* *Dokuz Eylül University, Turkey
6	Kinetic modeling on rosemary essential oil release from beeswax matrix A. DANILA, E.I. MURESAN, C.D. RADU* , A. MURESAN, A. POPESCU, L. CHIRILA, L.I. COSTAN *Gheorghe Asachi Technical University of Iasi, Romania
7	Developing of sailcloth to benefit from winds defined as low intensity on beaufort scale with the highest efficiency Ş. KARAGENC* , M. YILDIRIM *Zorluteks, Turkey
8	The use of commercial photochromic dyes in prevention of counterfeiting A.M. SARIŞIK, Ö. TOPBAŞ* , G. ERKAN, O. EK *Dokuz Eylül University, Turkey
9	Development of ozone effecting system without using harmful chemicals A. KESKIN* , O. BULUT, U. YILMAZ, I. YILDIZ, S. AYGÖR *Wiserwash Konfeksiyon Tekstil Sanayi Dış Ticaret Anonim Şirketi, Turkey
10	Monofilament fiber production with polymer foams R. CELEN* , Y. ULCAY *Uludag University, Turkey
11	Evaluation of thermal properties of seamless thermal fabrics F.F. YILDIRIM* , S. ARAS, M. ÇÖREKÇIOĞLU, A. YILMAZ *Ozanteks Tekstil San ve Tic AŞ Ar-Ge Merkezi, Turkey
12	Thermal comfort effect of knitted fabric used in textiles S. ARAS* , F.F. YILDIRIM, M. ÇÖREKÇIOĞLU *Ozanteks Tekstil San ve Tic AŞ Ar-Ge Merkezi, Turkey
13	A sustainable approach of using pre-consumer denim fabric wastage and recycling process İ. İVEDİ* , B. GÜNEŞOĞLU, H. YAFFE, S. TOPBASAN *Roteks Tekstil İhr. San. ve Tic. A.Ş., Turkey
14	Using of knitted fabrics containing chitosan fiber as haemostatic effect K. GÜNAL* , F. KARAKADILAR *Arikan Mensucat San. Tic. A.Ş., Turkey
15	New approach for appreciating the farmer's satisfaction of nonwoven bagging product for tunisian date fruit W. GUEDRI* , M. JAOUADI, S. MSAHLI *National Engineering School Of Monastir, Tunisia
16	The investigation of mechanic, rubbing and perspiration fastness properties of military camouflage fabrics Y. TURHAN* , G. ORAL, G. DURUR *Pamukkale University, Turkey
17	Air permeability and bursting strength of weft knitted fabrics from glass yarn M.E. İNCE* , H. YILDIRIM *Gaziantep University, Turkey
18	Anti-static knitting fabric A. AKKÜNCÜ* , A.U. PABUÇÇU *ÇMS Tekstil Ar-Ge Merkezi, Turkey
19	The use of modified GMA-G-PE/PP-NWF as catalyst for H2 production M. SAHİNER* , B. ARI, S. KORPAYEV, S. DEMİRCİ, P. AKKAŞ KAVAKLI, C. KAVAKLI, N. SAHİNER *Canakkale Onsekiz Mart University, Turkey
20	Modified nonwoven cotton fabric with antimicrobial properties M. SAHİNER* , B. ARI, S. KORPAYEV, S. SAGBAŞ, P. AKKAŞ KAVAKLI, C. KAVAKLI, N. SAHİNER *Canakkale Onsekiz Mart University, Turkey
21	Improving of thermoregulation properties of denim garment with the heat storing microcapsule applied S. KÖKSAL DABAN* , S. YAZ *Erak Giyim Ar-Ge Merkezi, Turkey
22	Optimization of antistatic agent content and type for carbon fiber precursor finish oil S. ASMAOĞLU, B. SEZGİN* , Ü.EKER *Akkim Kimya Sanayi ve Tic. A.Ş., Turkey
23	Development of custom-made sizing formulations for carbon fibers Ü. EKER* , B. SEZGİN Dowaksa İleri Kompozit Malzemeler San. Ltd. Şti., Turkey