

Tekirdağ Namık Kemal Üniversitesi, Çorlu Mühendislik Fakültesi, Tekstil Mühendisliği Bölümü tarafından 18-19 Mayıs 2022 tarihleri arasında “3. Uluslararası Yenilikçi Tekstiller Kongresi” (3rd International Congress of Innovative Textiles, ICONTEX 2022) online olarak gerçekleştirildi. Tekstil Mühendisliği Bölümü öğretim elemanları Prof.Dr. Fatma GÖKTEPE, Prof.Dr. Pelin GÜRKAN ÜNAL, Prof.Dr. Rıza ATAV ve Arş.Gör.Yük. Müh. Volkan YALI tarafından üçüncüsü düzenlenen kongrenin 18 Mayıs 2022 tarihinde gerçekleşen açılışında ayrıca Tekirdağ Namık Kemal Üniversitesi Rektörü Prof. Dr. Mümin ŞAHİN ve Çorlu Mühendislik Fakültesi Dekanı Prof. Dr. Lokman Hakan TECER’in açılış konuşmaları yanısıra İTHİB Başkanı Ahmet ÖKSÜZ, İHKİB Başkanı Mustafa GÜLTEPE, TİM Başkanı İsmail GÜLLE; Türk tekstil sektörünün geldiği nokta ve gelecek stratejilerine dair birer konuşma yaptılar. Dünyanın çeşitli ülkelerinden sözlü ve poster bildirinin sunulduğu kongre ile tekstil alanında gelişmiş teknolojileri ve inovasyonu teşvik etmek üzere tüm dünyadan araştırmacı, akademisyen, mühendis ve sektör temsilcilerinin bir araya getirildi.

Kongre bildiriler kitabı ve diğer detaylar <http://www.icontex.org/tr/> adresinde bulunmaktadır.

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2019

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2022  
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**3<sup>rd</sup>**  
**INTERNATIONAL**  
**CONGRESS OF**  
**INNOVATIVE**  
*Textiles*

**18-19 May 2022**  
**ONLINE CONGRESS**

**Dalya**

**TEKİRDAĞ NAMIK KEMAL ÜNİVERSİTESİ**  
2006

# KONGRE PROGRAMI

3rd International Congress of Innovative Textiles, ICONTEX2022 (18 - 19 May 2022)

## PROGRAMME

18 May 2022, Wednesday

HALL A OPENING CEREMONY Prof. Dr. Fatma GÖKTEPE, Chairperson of Organizing Committee Prof. Dr. Lokman Hakan TEÇER, Dean of Çorlu Engineering Faculty Ahmet ÖKSÜZ, Chairman of İstanbul Textile and Raw Materials Exporters Association (ITHİB) Mustafa GÜLTEPE, Chairman of İstanbul Apparel Exporters Association (İHKİB) İsmail GÜLLE, Chairman of Turkish Exporters Assembly (TİM) Prof. Dr. Mümin ŞAHİN, Rector of Tekirdağ Namık Kemal University			
BREAK			
HALL A PLENARY TALK: Prof. Dr. Ray H. BAUGHMAN, University of Texas at Dallas, U.S.A. "Powerful, Large Stroke Electrochemical Carbon Nanotube Yarn Artificial Muscles"			
HALL A Functional and Smart Textiles Chairman: Prof. Dr. İsmail USTA (Turkey)	HALL B Yarn Spinning Technologies Chairman: Prof. Dr. Bülent ÖZİPEK (Turkey)	HALL C Textile Pretreatment, Coloration and Finishing Technologies/Textile Chemistry Chairman: Prof. Dr. E.Perrin AKÇAKOCA KUMBASAR (Turkey)	
09:30-10:30			
10:30-10:45			
10:45-11:30			
11:30-12:30			
11:30-11:45	70 - WOUND HEALING PROPERTY OF THE HYDROALCOHOLIC EXTRACT OF TEUCRIUM POLIUM AND DOUBLE EMULSION MICROENCAPSULATION S. Jamef, F. Jaafar, J. Dahas, N. Ladhari	62 - EFFECT OF DIFFERENT FILAMENT FINENESS AND DISC COMBINATION ON DTY POLYESTER YARN TENSILE PROPERTIES G. Fidan, Y. Korkmaz, H. I. Çelik	158 - VAT DYEING PROCESS OF INHERENT FLAME RETARDANT FABRICS M. Glogar, T. Pusic, V. Lovreskov, T. Kaurin
11:45-12:00	172 - ENHANCING FILTER EFFICIENCY OF THE CABIN AIR FILTER BY USING SULLUTION BLOWN SPINNING E. B. Taparyiçit, K. Pektaş, M. Özdemir, O. Balci	110 - INVESTIGATION OF YARN AND FABRIC PERFORMANCE PROPERTIES OF UPHOLSTERY FABRICS DEVELOPED BY USING ENVIRONMENTALLY FRIENDLY SUSTAINABLE HEMP FIBER AT DIFFERENT RATIOS N. Okyay, F. İşik	18 - PROCESS IMPROVEMENT AND EFFICIENCY STUDY WITH SMED (Single Minute Exchange of Dies) METHOD IN DIE CHANGE OF SCREEN PRINTING MACHINES E. Emekdar, H. Açıkgoz-Tufan, U. K. Şahin, S. K. Bahadır, B. Tuluk, A. N. Şimşek
12:00-12:15	152 - THE COMPARISON OF BIOLOGICAL AND CHEMICAL REDUCING AGENTS ON THE MORPHOLOGICAL AND ELECTRICAL PROPERTIES OF SILVER COATED TEXTILES S. Kanara, S. Cetiner	59 - INNOVATIVE SOLUTIONS TO THE STICKINESS PROBLEM IN COTTON SPINNING T. Gökhan, D. K. Kübra, I. Ali, Ö. Servet	35 - INVESTIGATION OF THE EFFECT OF DIFFERENT CROSSLINKERS ON PIGMENT PRINTING QUALITY L. Atiker, S. Öztürk, S. Karakaya, Y. Bozkurt, A. T. Özgüney
12:15-12:30	129 - CARRIER SYSTEMS CONTAINING COCONUT OIL AND ROSEHIP OIL MICROCAPSULES FOR THE TREATMENT OF CRADLE CAPS E. Tung, M. Sarıncık, S. Y. Karavana, G. C. Türkoğlu		124 - INVESTIGATION OF NATURAL DYEING PROCESS PARAMETERS OF KNITTED FABRIC CONSIST OF ECOCELL* YARN T. K. Nacarkahya, T. Y. Öğüt, K. Özden, B. Y. Büyükcıncı
12:30-13:30	LUNCH BREAK		
13:30-14:15	HALL A PLENARY TALK: Prof. Dr. Long LIN, Leeds University, U.K. "Recent Advances in Sustainable Dyeing Technologies"		
14:15-15:15	HALL A Technical Textiles Chairman: Prof. Dr. Mirela BLAGA (Romania)	HALL B Weaving, Knitting and Nonwoven Technologies Chairman: Prof. Dr. H. Ziya ÖZEK (Turkey)	HALL C Nanotechnology Applications in Textiles Chairman: Prof. Dr. Ali Akbar GHAREHAGHAI (Iran)
14:15-14:30	112 - INVESTIGATION OF TRIBOELECTRICITY ON TEXTILE STRUCTURES THROUGH A TEG WHICH COMBINES SLIDING AND VERTICAL MODE A. Repoulas, M. Ertekin, S. F. Galata, S. Vassiliadis, A. Marmarali	53 - DETERMINATION OF THE SUITABLE SPICE METHOD WITH T-TEST TO YARNS PRODUCED IN DIFFERENT NUMBERS S. Uyanık, S. Ovalı	22 - EMULSION ELECTROSPINNING OF PVA NANOFIBERS CONTAINING PERFORATUM OIL N. Pala, N. Aral, B. Nergis
14:30-14:45	116 - SURFACE TREATMENT OF BIOMEDICAL TEXTILE MADE OF POLYESTER MONOFILAMENT F. Khoffi, Y. Khatsi, A. Tazibt, S. Msahli, F. Heim	131 - INVESTIGATION OF FLUID DISTRIBUTION AND RETWET PERFORMANCE WITH THE USE OF DIFFERENT INNER LAYER DESIGN AND TOP SHEETS IN SANITARY NAPKINS G. Culfı, E. Sarıoğlu, M. Dağdemir, E. Çelikten, T. Kaya Nacarkahya	11 - ELECTROSPINNING OF THYMOQUINONE LOADED MICROCAPSULE BASED NANOFIBRES F. Cengiz Çallıoğlu, H. Kesici Güler
14:45-15:00	60 - DEVELOPMENT STUDIES OF HIGH PERFORMANCE SOCKS S. Durusu, Y. Alver	109 - PERFORMANCE PROPERTIES OF KNITTED FABRICS PRODUCED FROM ENVIRONMENTALLY FRIENDLY HEMP AND COTTON BLENDS K. Özşahin, A. Oruç, H. Özel, E. Çiçik, H. K. Kaynak	34 - THERMALLY IMPROVED rPET-BASED COMPOSITE NANOFIBERS B. Karagözel Kayaoğlu, L. Trabzon, Ö. I. Kaloğlu-Altan
15:00-15:15	63 - DEVELOPING CURTAIN FABRIC THAT PROVIDES SOUND ABSORPTION BY WORKING WITH DIFFERENT FABRIC CONSTRUCTIONS G. Aydemir, M. Yıldırım, N. Atar, O. D. Aving		49 - APPLICATIONS OF NANOFIBERS - FILTERS FOR MASKS & CELL CULTURE SCAFFOLDS FOR VACCINE DEVELOPMENT Y. Yamashita, Y. Hashizume
15:15-15:30	BREAK		
15:30-16:30	HALL A Technical Textiles Chairman: Prof. Dr. Levent ÖNAL (Turkey)	HALL B Textile Testing and Quality Control Chairman: Prof. Dr. Sachiko SUKIGARA (Japan)	HALL C Ecology and Sustainability Chairman: Prof. Dr. Özer GÖKTEPE (Turkey)
15:30-15:45	95 - DEVELOPMENT OF CONDUCTIVE TEXTILE BASED ANTENNA FOR MICROSTELLITE Seervı, V., Mytilineos, S., Behera, B. K., Vassiliadis, S. G.	132 - PREDICTION OF ABSORBENCY AND FASTNESS TO WASHING PROPERTIES FROM PHYSICAL PROPERTIES OF WOVEN TERRY FABRICS H. I. Çelik, İ. Yüksel Mesruoğlu, İ. Mukannasgil, E. Sarıoğlu	4 - AN UPCYCLING DESIGN MODEL FOR PRE-CONSUMER DENIM WASTE Nergis B, Pandan C, Çikot N, Ayık B, Çöl M
15:45-16:00	69 - THE DEVELOPMENT OF FALLING DETECTION SENSOR AS SIGNAL USING BRUSH TRIBOELECTRIC CHARGING T. Komatsu, Y. Nishikawa, S. Shima, E. Takamura, H. Sakamoto	6 - EVALUATION OF COLOR CHANGE AFTER DISINFECTION TREATMENT WITH UV-C ADAPTED TUMBLE DRYER A. Acir, H. Açıkgoz Tufan, U. K. Şahin, S. Karagoz, K. Calisir	31 - THE EFFECTS OF COVID-19 PANDEMIC ON SUSTAINABLE CLOTHING CONSUMPTION N. Okur, C. Sarıcan, A.R. İri, I. Sarı
16:00-16:15	44 - MECHANICAL AND MORPHOLOGICAL PROPERTIES OF KEVLAR® FIBRE REINFORCED POLYURETHANE RIGID FOAM CORES FOR SANDWICH COMPOSITES G. Kaya, E. Selver, T. Dincer, A. Atici	25 - AN IMAGE PROCESSING BASED METHOD TO DETERMINE THE NUMBER OF FILAMENTS IN MULTIFILAMENT SYNTHETIC YARNS S. Filiz, M. Kılıç, G. Balci Kılıç, M. Demir	48 - INVESTIGATION OF THE EFFECT OF REPEATED RECYCLING ON YARN AND FABRIC PERFORMANCE PROPERTIES Y. Erayman Yüksel, M. Kertmen, A. Şen, Y. Korkmaz
16:15-16:30	64 - DEVELOPMENT OF FLEXIBLE SENSOR STRUCTURES WITH ALERT FEATURE ON ROLLER BLIND SURFACE WORKING WITH SOLAR ENERGY B. Hacıoğlu, M. Yıldırım, H. Alısoy	154 - ON LOOM MACHINE VISION SYSTEM DESIGN FOR REAL-TIME FABRIC INSPECTION Z. Şahin, H. I. Çelik, M. Topalbekiroğlu	156 - A SUSTAINABLE APPROACH FOR THE KNOT DESIGN G. Çaliskan Köker, E. Dilara Koçak, P. Sezgin, M. Canpolat, M. Uçar
16:30-16:40	BREAK		
16:40-17:00	HALL A POSTER SESSION		
17:00-17:15	HALL A Special Session in Tribute to Professor A. Pedro SOUTO, Minho University (Portugal) Chairman: Prof. Dr. Helder CARVALHO		
17:15-18:00	HALL A Textile Pretreatment, Coloration and Finishing Technologies Chairman: Prof. Dr. Savvas VASSILIADIS (Greece)	HALL B Fiber Science and Technology Chairman: Prof. Dr. Helder CARVALHO (Portugal)	HALL C Textile Chemistry / Functional and Smart Textiles Chairman: Prof. Dr. Vincent NIERSTRASZ (Sweden)
17:15-17:30	138 - EFFECT OF PLASMA AND CATIONIZATION PRE-TREATMENTS ON FASTNESS AND UV PROTECTION OF COTTON DYE WITH MADDER M. Fernandes, C. Alves, R. Rodrigues, A. Zille	140 - 3D PRINTING OF FLEXIBLE CONDUCTIVE POLYMERS ON TEXTILES FOR SENSING AND ELECTRICAL CONNECTION E. Monteiro, H. Carvalho, A. Rocha, D. Tama, H. Puga	139 - TIGER 17 PEPTIDE LOADED POLYCAPROLACTONE/CELLULOSE ACETATE ELECTROSPUN NANOFIBROUS MATS FOR APPLICATIONS IN CUTANEOUS WOUND DRESSINGS A. R. M. Ribeiro, S. M. M. A. Pereira-Lima, S. P. G. Costa, H. P. Felgueiras
17:30-17:45	144 - SUSTAINABLE DYEING OF COTTON WITH COFFEE EXTRACT NATURAL DYE M. Gomes, P. Gomes, J. Santos, G. Soares	137 - EXPLORING THE ANTIBACTERIAL POTENTIAL OF HYBRID FIBER-HYDROGEL SCAFFOLDS MODIFIED WITH NATURAL EXTRACTS AGAINST SKIN INFECTIONS M.O. Teixeira, C. Silva, J.C. Antunes, H.P. Felgueiras	128 - CO-AXIAL WET-SPUN FIBROUS CONSTRUCTS FOR CHRONIC WOUND CARE C. S. Miranda, A. F. G. Silva, S. M.M.A. Pereira-Lima, S. P.G. Costa, N.C. Homem, H. P. Felgueiras
17:45-18:00	141 - SYNERGISTIC ACTIVITY OF A NOVEL CLASS OF AZOIMIDAZOLE DYES WITH POLYVINYLPIRROLIDONE-SILVER NANOPARTICLES FOR THE DEVELOPMENT OF ANTIBACTERIAL TEXTILES A.I. Ribeiro, D. Dantas, L.F. Carvalho, J. Padrao, R. Silva, F. Remião, E. Pinto, F. Cerqueira, A. Dias, A. Zille		160 - INTERACTIVE COLOURED TEXTILES: COLOUR FASTNESS PROPERTIES AND COLOUR CHANGE BEHAVIOUR I. Cabral, D. Santiago, F. Steffens
18:00-18:15	CLOSING		

**19 May 2022, Thursday**

19 May 2022, Thursday			
09:30-10:15	<p align="center"><b>HALL A</b>  <b>PLENARY TALK:</b>  <b>Prof.Dr. Xungai WANG, University of Deakin, Australia</b>  <b>"Fibre Materials Research that Makes a Difference"</b></p>		
10:15-11:15	<p align="center"><b>HALL A</b>  <b>Functional and Smart Textiles</b>  <b>Chairman: Prof. Dr. Emel ÖNDER KARAOĞLU (Turkey)</b></p>	<p align="center"><b>HALL B</b>  <b>Fibre Science and Technology/Nanotechnology Applications in Textiles</b>  <b>Chairman: Prof. Dr. Yasemin KORKMAZ (Turkey)</b></p>	<p align="center"><b>HALL C</b>  <b>Textile Pretreatment, Coloration and Finishing Technologies</b>  <b>Chairman: Prof. Dr. Erhan ÖNER (Turkey)</b></p>
10:15-10:30	102 - INDUSTRIAL SCALE PRODUCTION OF MULTICHROMIC TEXTILE BASED SMART SENSORS R. Atav, U. Ergünay, E. Akkuş	47 - THERMALLY CONDUCTIVE AI2O3 NANOFIBER/POLYMER COMPOSITES Md. S.Hossain, K. Nakane	89 - SOYBEAN OIL BASED UV-CURABLE COATING FORMULATIONS FOR IMPROVEMENT OF WASHING FASTNESS OF WATERPROOF COTTON FABRICS Z. Yildiz, H. A. Onen, A. Gungor
10:30-10:45	8 -PASSIVE DAYTIME COOLING COTTON FABRIC WITH ADAPTIVE COMFORT FEATURES N.Korkmaz Memiş, S. Kaplan	14 - PRODUCTION OF NANOFIBER CONTAINING OLIVE LEAF AND USAGES IN BIOMEDICAL AREA N. Sünter Ergölu, S. Canoğlu	46 - COLORATION OF POLYAMIDE FABRICS WITHOUT USING A DYE R. Atav, E. Karagören, S. Soysal, F. Yildiz, I. Yakin
10:45-11:00	107 - DESIGN AND DEVELOPMENT OF POLYLACTIDE BASED NANOFIBROUS PH INDICATOR H.Palpak, B. Karagözel Kayaoglu	45 - COULD PERLON (PA6) SUBSTITUTE NYLON (PA6,6) TO PROVIDE COST ADVANTAGE IN FLOCKED UPHOLSTERY FABRICS? R. Atav,T. Arican, I. Çamlıyurt, B. Bekiroğlu, F. Deniz	19 - NATURAL DYESTUFF EXTRACTION FROM BLACK CARROT AND ITS TEXTILE APPLICATION E. Emekdar, U.K. Şahin, B. Ötev, B.Ş. Özden, Y. Masır
11:00-11:15		174 - INVESTIGATION OF MECHANICAL, THERMAL AND TACTILE COMFORT PROPERTIES OF ALTERNATIVE FABRICS TO COTTON IN BEDDING FABRICS U. Bilen	
11:15-11:30	<p align="center"><b>BREAK</b></p>		
11:30-12:30	<p align="center"><b>HALL A</b>  <b>Technical Textiles</b>  <b>Chairman: Prof. Dr. Saber BEN ABDESSELEM (Tunisia)</b></p>	<p align="center"><b>HALL B</b>  <b>Weaving, Knitting and Nonwoven Technologies</b>  <b>Chairman: Prof. Dr. Yordan KYOSEV (Germany)</b></p>	<p align="center"><b>HALL C</b>  <b>Textile Pretreatment, Coloration and Finishing Technologies</b>  <b>Chairman: Prof. Dr. Habip DAVIOĞLU (Turkey)</b></p>
11:30-11:45	121 - HYBRID FIBROUS MATERIAL FOR THE DEVELOPMENT OF A TEXTILE HEART VALVE M. Zidi, F.Khoffi, Y. Khalsi, A. Tazibit, F. Heim, S. Msahli	65 - EVALUATION OF EMOTIONAL HEALING FOR FABRICS BASED ON THE TACTILE SENSATION N.Davaajav, S. Sukigara	72 - INVESTIGATION OF THE EFFECTS OF TEMPERATURE AND TIME ON THE FIXATION PROCESS APPLIED TO THE PRINTED ACRYLIC TOPS E. Turgut, M.İ. Aktaş, M. Topalbekiroğlu
11:45-12:00	177 - DEVELOPMENT OF CONDUCTIVE KNITTED FABRICS THAT PROVIDE ELECTROMAGNETIC SHIELDING F. N. Çağman, M. Çeken, E. Dağlı	40 - INVESTIGATION OF OPPORTUNITY TO USE 3D PRINTING TECHNOLOGY ON THE TEXTILE MACHINES H. Kıcık, E. Karadeniz	37 - DESIGN OF ECO-FRIENDLY GREASE REMOVAL PROCESS WITH NOVEL SURFACTANT RECIPE F. Furat, E. Emekdar, H. Açıkgöz-Tufan, K. Şahin
12:00-12:15	173 - ACOUSTIC AND COST EVALUATION OF USING ALTERNATIVE MATERIAL FOR THE WHEEL ARCH LINER IN THE AUTOMOTIVE INDUSTRY H. Sevim, E. N.Keskin, M. K. Öğütgen	56 - INFLUENCE OF LOOP LENGTH ON SOME FABRIC PROPERTIES AFFECTING TACTILE COMFORT B.C. Encan	115 - EFFECT OF SILICONE SOFTENER TYPE ON POLYESTER CHEMILLE YARN FASTNESS PERFORMANCE S.Saycan, H.İ.İçoğlu, İ.H.Tekin, H.İ.Çelik
12:15-12:30		163 -A COMPARISON OF THE THREE TECHNIQUES IN PREDICTING BREAKING STRENGTH OF COTTON AND BLENDED WOVEN FABRICS B.B. Kastacı, H.Z. Özek, E. Özhan	
12:30-13:30	<p align="center"><b>LUNCH BREAK</b></p>		
13:30-14:15	<p align="center"><b>HALL A</b>  <b>PLENARY TALK:</b>  <b>Prof. Dr. Paul KIEKENS, Ghent University (retired from), Belgium</b>  <b>"Textiles and Clothing: Challenges for an Increasingly Environmentally Demanding World"</b></p>		
14:15-15:15	<p align="center"><b>HALL A</b>  <b>Fibre Science and Technology</b>  <b>Chairman: Prof. Dr. Ömer Berk BERKALP (Turkey)</b></p>	<p align="center"><b>HALL B</b>  <b>Textile Modeling and Simulation / Textile Testing and Quality Control</b>  <b>Chairman: Prof. Dr. Recep Eren (Turkey)</b></p>	<p align="center"><b>HALL C</b>  <b>Textile and Fashion Design</b>  <b>Chairman: Prof. Dr. Jelka GERŠAK (Slovenia)</b></p>
14:15-14:30	61 - A STUDY ON SOME MECHANICAL PERFORMANCES OF BULKED CONTINUOUS FILAMENT YARNS PRODUCED BY POLYPROPYLENE HOMOPOLYMER, POLYPROPYLENE COPOLYMER AND THERMOPLASTIC POLYOLEFIN TERNARY BLENDS C. E. Yaz, C. Güneşoğlu, M. Topalbekiroğlu	5 - PREDICTION OF PARAMETERS CAUSING DIMENSIONAL CHANGE ON 100% COTTON FABRICS DURING TUMBLE DRYING A.Acir, H. Açıkgöz Tufan, U. K. Şahin, S. Karagöz, M.E.Coban	32 - ANALYSIS OF THE CHANGES IN CONSUMER BEHAVIOR TOWARDS SUSTAINABLE FASHION IN COVID-19 PANDEMIC SITUATION C. Sarıcam, N. Okur, M. Karaca, A.M. Turan, E. Nalincioğlu
14:30-14:45	54 - EFFECTS OF COTTON AND VISCOSE FIBERS ON ACRYLIC FIBER BLENDED YARNS S. Uyanık, S. Ovalı	101 - INCREASING THE THERMAL RESISTANCE OF DENIM FABRIC N.Becenen,İ. Yüce, G. Eyi	
14:45-15:00	148 - CUPRO FIBERS; PROPERTIES AND USAGE AREAS O.Oral, E. Dirgar, A. A. İllez	16 - FABRIC DEFECT DETECTION USING DEEP LEARNING COMPUTER VISION MODEL H. Keyif, C. Balkan, G. Brıcık, İ. Aslan	
15:00-15:15	122 - REVIEW ON COATING OF ACRYLIC AND OTHER YARNS USING ELECTROSPINNING METHOD B. Shuaib, M. İ. Aktaş, M.Topalbekiroğlu	30 - MACHINE VISION BOBBIN ANALYSIS SYSTEM WITH DEEP LEARNING APPROACH E. Emekdar, H. Açıkgöz-Tufan, U.K. Şahin, S. Kurşun Bahadır, S. Ayata Konukoğlu, C. Batçık, T. K. Baykan, E. Çataık, Ç. D. Şentürk	
15:15-15:30	<p align="center"><b>BREAK</b></p>		
15:30-16:30	<p align="center"><b>HALL A</b>  <b>Nanotechnology Applications in Textiles</b>  <b>Chairman: Prof. Dr. Hale CANBAZ KARAKAŞ (Turkey)</b></p>	<p align="center"><b>HALL B</b>  <b>Yarn Spinning Technologies</b>  <b>Fibre Science and Technology</b>  <b>Chairman: Prof. Dr. Hüseyin KADIOĞLU (Turkey)</b></p>	<p align="center"><b>HALL C</b>  <b>Ecology and Sustainability</b>  <b>Chairman: Prof. Dr. Sema PALAMUTÇU (Turkey)</b></p>
15:30-15:45	164 - PRODUCTION OF POLYMERIC NANOFIBER MEMBRANES CONTAINING PLANT EXTRACT AND INVESTIGATION OF THEIR POTENTIAL FOR THE USE ON WOUND HEALING Z. E. Cakmak, N.Z. Degirmenci, K. Tuzlakoglu	78 - INVESTIGATION OF THE EFFECT OF BLEND RATIO OF RELAXED/NON-RELAXED ACRYLIC FIBERS ON SOME YARN PROPERTIES B.Aslan, M. İ. Aktaş, M.Topalbekiroğlu	90 - DEVELOPMENT OF ENVIRONMENTALLY-FRIENDLY ALTERNATIVE METHOD TO HYPOCHLORITE FOR DENIM BLEACHING Ö.Gündüz, G. Cakan, H.H. Kutlu, R. Atav
15:45-16:00	10 - EFFECT OF EMULSION ELECTROSPUN NANOFIBRES SPINNING DURATION ON THE DRUG RELEASE BEHAVIORS H. Kesici Güler, F. Cengiz Çalloğlu	86 - CHARACTERIZATION AND PRODUCTION OF PLASMA FUNCTIONALIZED CMTS AND NANOCOMPOSITE FIBER B.Kutlu, A. Akşit, L. Özyüzer, N. Yağmırçukardeş, Y. Selamet	83 - CONVERSION OF THE DRYING PROCESS OF DENIM GARMENTS WITH DRUM MACHINES TO CLOSED-CYCLE USING ZEOLITE DESICCANT E. Çalıskan, O. E. Akay, Y. Özbey, İ. Özdemir
16:00-16:15	66 - PHOTOCROMIC NANOFIBER BASED UV SENSOR S. Morsümbül, E. P. Akçakoca Kumbasar, S. Alır Knyak, İ. G. Alemdar	125 - INVESTIGATION OF THE EFFECT OF DIFFERENT WOOD PULP CONTENTS OF ECOCELL* YARNS T. Kaya Nacar kahya, E. Çelikten, K. Özden	149 - BIO-BASED PHOTOCURABLE COATINGS REINFORCED WITH PLATANUS ORIENTALIS (CHINAR TREE) LEAF POWDER FOR LIGHTWEIGHT TARPALUIN Z.Yildiz
16:15-16:30	7 - DEVELOPMENT OF DENIM AND NON-DENIM GARMENTS HAVING VIRAL "AGAINST CORONAVIRUS" AND MICROBIAL REDUCING ACTIVITY İ. İvedil, E. İlğaç, E.Kartdemir, G. Gürler, G. Çelik		
16:30-16:45	<p align="center"><b>BREAK</b></p>		
16:45-17:30	<p align="center"><b>HALL A</b>  <b>Functional and Smart Textiles</b>  <b>Chairman: Prof. Dr. Savvas VASSILIADIS (Greece)</b></p>	<p align="center"><b>HALL B</b>  <b>Textile and Fashion Design/Apparel Technology/ Textile Management</b>  <b>Chairman: Prof. Dr. Seshadri RAMKUMAR (U.S.A.)</b></p>	<p align="center"><b>HALL C</b>  <b>Textile Pretreatment, Coloration and Finishing Technologies/Textile Chemistry</b>  <b>Chairman: Prof. Dr. Nedra YAMAN (Turkey)</b></p>
16:45-17:00	153 - ELECTROCONDUCTIVE POLYESTER-POLY(3,4-ETHYLENDIOXYTHIOPHENE) SMART TEXTILES M. C. Korkmaz, H. Bağcı, S. Çetiner	71 - ON-LINE FOLLOW-UP OF AN ACRYLIC YARN PRODUCTION LINE WITH PLC SYSTEM D. Muhacir, M. İ. Aktaş, M. Topalbekiroğlu	105 - SYSTEM DESIGN TO SHORTEN THE OXIDATION PATH FOR SLASHER DYEING MACHINES Ahmet Özhan Tanrıöver
17:00-17:15	51 - DEVELOPMENT OF FUNCTIONAL COTTON T-SHIRT WITH AROMATHERAPY FEATURE USING CYCLODEXTRINS M. F. Yüksel, D. B. Dilden, R.Atav	171 - A RESEARCH ABOUT THE ADVANTAGES OF 3D CLOTHING SYSTEMS IN THE APPAREL INDUSTRY E. Alaybeyoğlu, M. Ugur, E.İ Saygı	17 - DEVELOPMENT OF OZONE EFFECTING SYSTEM WITHOUT USING HARMFUL CHEMICALS İ.Palabiyik, F.Zeytinözü
17:15-17:30	99 - HEATING FUNCTION ANALYSIS OF LIGHT-WEIGHT CONDUCTIVE WOVEN FABRICS Y.F.Podak, C. Gürel, Ö. Göktepe	74 - TRANSITION TO DIGITAL IN TOWEL APPAREL: INSTANT DATA PROCESSING AND TRACEABILITY B.Mancar, B. Çalhan, M.K.Çalhan, S. T.Ateş, G.Durur	
17:30-18:00	<p align="center"><b>HALL A: CLOSING CEREMONY</b></p>		

POSTER SESSION	
P01	RECOVERY OF WELL WATER USED IN WATER JET WEAVING WITH A SUSTAINABLE TREATMENT PROCESS H.I. Turgut, O. Karayigit, A. Turker, O. Yazar
P02	THE CONCEPT OF BIOMIMICRY AND APPLICATIONS ON TEXTILE MATERIALS N. Sünter Eroğlu
P03	INVESTIGATION OF THE EFFECT OF TABLET SODA ASH (Na <sub>2</sub> CO <sub>3</sub> ) USED IN REACTIVE DYEING H.I. Turgut, M. Aygurlu, O. Yazar
P04	CARBON BASED NANOPARTICLES ADDITIVE POLYESTER KNITTED FABRIC İ. Eşim, S. Özyürek Erkan
P05	EFFECTS OF 3D WOVEN FABRICS PATTERNED WITH DIFFERENT CONSTRUCTIONS ON JACKET PERFORMANCE S.Kızılkaya, G.Şenkal Acar, T. Aydın
P06	EFFECT OF AMINO COMPOUNDS TO FABRICS CATIONAZITION FOR SALT-FREE REACTIVE DYEING Ç. Gökbulut, H. Kıcık
P07	PLUS SIZE TROUSERS DESIGN WITH HIGH PERFORMANCE CORDURA AND WOOL CONTENT FABRICS S.Kızılkaya, G.Şenkal Acar, T. Aydın
P08	SIMULATION OF EFFECT OF BATCH SIZE ENTITY ENTRANCE IN SPORT-KNIT WEAR FACTORY M. Dehghani, Z. Soltanzadeh
P09	DEVELOPMENT OF FUNCTIONAL UPHOLSTERY FABRIC FOR ENGLAND WITH COMBINATION OF COLOR AND PATTERN M. Torsun, E. Koyuncu, E. Güleç
P10	DEVELOPMENT OF FUNCTIONAL UPHOLSTERY FABRIC FOR FRANCE WITH COMBINATION OF COLOR AND PATTERN M. Torsun, S. Oğuz
P11	DEVELOPMENT OF FUNCTIONAL UPHOLSTERY FABRIC FOR RAILWAY VEHICLES M. Torsun, S. Oğuz
P12	DEVELOPMENT OF AVIATION SEAT FABRICS SUITABLE FOR DIFFERENT Aircraft DESIGN CONCEPTS THAT MEET INTERNATIONAL STANDARDS M. Torsun, B. Ünür, H. Çalışkan
P13	MOUSTACHE PATTERN DESING IN DENIM PRODUCT by USING CONTRASTED PRODUCER NETS Z. İrs, E. Şahin, E. Çalışkan
P16	SYNTHESIS OF REDUCED GRAPHEN OXIDE-SILVER NANOCOMPOSITE STRUCTURES AND INVESTIGATION OF ANTIBACTERIAL PROPERTIES IN PRINTED FABRICS BY BRONZING PROCESS M. Tirancioglu, E. Demircan
P17	RESIDUAL MONOMER DETERMINATION OF POLYACRYLIC ACID WITH GC-MS Z.N. Kir, A. Martin
P18	ANTIMICROBIAL EFFICACY OF A NATURAL DYE FROM THE NEEM LEAVES APPLIED TO A PLASMA-ACTIVATED SURFACE OF CELLULOSE KNITWEAR A. Ludaš, S. Ercegović Ražić, A. Sutlović, T. Vujičić
P19	ECO-FRIENDLY DYEING PROCESS OF COTTON FABRIC USING ULTRASOUND TECHNOLOGY D. Sevindik, E. Sergin, A. Akşit
P20	ANTIBACTERIAL ACTIVITY OF PVA/CMC ELECTROSPUN MATS LOADED WITH NISIN Z PEPTIDE FOR POTENTIAL CHRONIC WOUND CARE T. D. Tavares, C. Silva, J. C. Antunes, H. P. Felgueiras
P21	IMIDAZOLIUM SALT AND DIELECTRIC BARRIER DISCHARGE PLASMA TREATMENT TO ENHANCE THE CONDUCTIVITY OF FABRICS IMPREGNATED WITH PEDOT:PSS C. Magalhães, A.I. Ribeiro, A. Meireles, T. Nicolau, B. Mehravani, A. Pereira, A. Alves, J. Rocha, M. Martins, B. Mitu, V. Satulu, G. Dinescu, A. Zille
P22	STUDIES ON MECHANICAL PROPERTIES OF POLYESTER BLENDED WOVEN FABRICS DYED AT LOW TEMPERATURE İ. Yıldıran, B. Sevinç, E. Mert, H. Gülten, A. Ergün, B. Yılmaz
P23	APPLICATION OF NATURAL DYES ON LYOCELL/POLYAMIDE/ELASTANE LACES FABRIC S. Beylik, S. Tere, A.B. Karabulut, A. Usluoğlu
P24	THE EFFECT OF RECYCLE COTTON FIBER CONTENT ON RING SPUN YARN PROPERTIES A. Türkteş Ali, E. Oktaykan, E. Çetinkaya, F. Göktepe

## KONGREDEN ÇEŞİTLİ GÖRÜNTÜLER



Tekirdağ Namık Kemal Üniversitesi, Çorlu Mühendislik Fakültesi, Tekstil Mühendisliği Bölümü, 20 Mayıs 2022 tarihinde online olarak “2. Uluslararası Yün ve Lüks Lifler Kongresi’ni (2nd International Congress on Wool and Luxury Fibres, ICONWOOLF2022) gerçekleştirdi. Yünlü sektöründeki son trendleri ve inovasyonu paylaşmak üzere araştırmacı ve akademisyenler ile kamu kuruluşu ve sektör temsilcileri bir araya getirildi. Tekirdağ Namık Kemal Üniversitesi, Çorlu Mühendislik Fakültesi, Tekstil Mühendisliği Bölümü tarafından ikincisi düzenlenen, yün ve lüks lifler alanındaki yeniliklerin paylaşıldığı kongre açılışında Kongre Düzenleme Kurulu Başkanı Prof. Dr. Rıza ATAV, “Türkiye’nin Kaliteli Yün İhtiyacını Yerli Üretimle Karşılacak Yapağı Yönlü Karacabey Merinosu Başlangıç Sürüsü Oluşturulması: Hayal Mi- Gerçek Mi?” başlıklı sunum gerçekleştirdi ve akabinde Türkiye için önemli değerler olan koyun yünü, Ankara keçisi yünü (tiftik) ve ipek lifleri ile ilgili akademisyen, kamu kuruluşu ve sektör temsilcilerimiz görüşlerini ve son gelişmeleri paylaştılar.

Kongre bildiriler kitabı ve diğer detaylar <http://iconwoolf.org/tr/> adresinde bulunmaktadır



Kongre programı ve kongremizden çeşitli görüntüler aşağıda paylaşılmıştır.

PROGRAMME

20 May 2022, Friday

<p><b>HALL A</b> <b>OPENING CEREMONY &amp; PLENARY SESSION 1</b></p> <p><b>Prof. Dr. İnan ALTAY</b> (Head of Organizing Committee) "Creating A Strong Fibres of Wool-Orchard (Kardemir) Merino Sheep: Meeting Turkey's Need for Quality Wool, A Dream or Reality?"</p> <p><b>Prof. Dr. H. Ümit SOYSAL</b>, Tekirdag Namik Kemal University, Faculty of Agriculture, Department of Animal Science "The Unique Properties of Sheep Wool and the Importance of Wool for Turkey"</p> <p><b>Prof. Dr. M. Şevket BARTIŞAR</b>, Erzurum University, Faculty of Engineering, Department of Textile Engineering "The Unique Properties of Mohair Fiber and the Importance of Mohair for Turkey"</p> <p><b>Prof. Dr. Tuva ÖZBEGAN</b>, Ege University, Faculty of Engineering, Department of Textile Engineering "The Unique Properties of Silk Fiber and the Importance of Silk for Turkey"</p> <p><b>Dr. Serdar YALÇI</b>, Ministry of Agriculture and Forestry, General Directorate of Agricultural Research and Policies, Department of Livestock and Fisheries Research "The Latest Situation of Sheep Population and Wool Production in Turkey"</p> <p><b>Dr. Ergül ÖNAY</b>, Republic of Turkey Ministry of Agriculture and Forestry, Directorate of International Livestock Research and Training Center "The Latest Situation of Angora Goat Population and Mohair Production in Turkey"</p> <p><b>Eng. Gökalp ÖZTÜRK</b>, Ministry of Agriculture and Forestry, Directorate of Livestock Livestock Research and Training Center "The Latest Situation of Silkworm Populations and Silk Production in Turkey"</p> <p><b>Engel SABİTTÜRK</b>, Y. İsmail Yüksek&amp; Wholesaler Production and Trading Co. "Sector Trends in Wool Mohair and Expectations of the Textile Industry"</p> <p><b>Altın Özgür ÇELİKTÜRK</b>, Akdikenir Textile and Apparel Inc. "Sector Trends in Wool Mohair and Expectations of the Textile Industry"</p> <p><b>Serkan ÇİBİTÖĞLÜ</b>, İdeal Textile "Sector Trends in Silk and Expectations of the Textile Industry"</p>			
<p><b>BREAK</b></p>			
11:45-12:30	<p><b>HALL A</b> <b>Ecology and Sustainability</b> <b>Chairman: Prof. Dr. H. Ergül ÖZİK (Turkey)</b></p>	<p><b>HALL B</b> <b>Fermentation</b> <b>Chairman: Prof. Dr. İnan ALTAY (Turkey)</b></p>	<p><b>HALL C</b> <b>Spinning</b> <b>Chairman: Assoc. Prof. Dr. Anil İsmail ESKİ (Iraq)</b></p>
11:45-12:30	112- Industry Resilience Before, Now, After Covid-19 / F. T. Turner, S. Y. Sankar (Canada)	107- Eco-Friendly Approach On Wool Production And Effect On The Wool Structure And Dyeability / S. C. Tulgin, D. R. Arso, G. Ergun, O. Ozun, G. Tuzan, S. Ergu And A. Akbayrak	200- A New Route For Fibrous Dyeing Using Dyes Obtained Through Recycling From Textile Fabric Wastes / S. Sığirci, F. Yildiz, A. Yılmaz
12:08-12:31	104- Overall Overview of Sustainability in Textile Industry: the Needs for Re-Engineering / S. C. Tul, A. Demir, E. Durugün	111- Core Based Dyeing Of Cottons / Wood Based Yarns By Chemical Modification And Production Of Resilient Herring Yarns / F. Demir, M. P. Tokat, D. B. Tokat, And R. Arar	108- Tapping With Novel Dyeed Wool Fabrics With Different Natural Dye Sources / H. Doğu, Ö. Apak, F. Yılmaz, And M. İ. Bulut
12:15-12:30	114- The Strength, Stability And Animal Feed Composition Of Resilient Tereyry Wool / A. Öks, H. Tuncel, And M. Şimşek (Turkey)	178- The Effect Of Glucose On Dyeing Rates On Wool Fibers / R. R. Arso And G. Ergun	
<p><b>LUNCH BREAK</b></p>			
<p><b>HALL A</b> <b>PLENARY SESSION 2</b></p> <p><b>Prof. Jianqiang SHEN</b>, School of Fashion and Textiles, De Montfort University, UK "Recent Progress in Textile Technology for the Emerging Collection of 'Wool'"</p>			
14:05-15:15	<p><b>HALL A</b> <b>Technical, Functional and Smart Textiles</b> <b>Chairman: Prof. Dr. Ömer BAĞCI (Turkey)</b></p>	<p><b>HALL B</b> <b>Spinning/Finishing</b> <b>Chairman: Assoc. Prof. Dr. Mustafa GÜLOĞAR (Canada)</b></p>	<p><b>HALL C</b> <b>Yarns and Quality Control</b> <b>Chairman: Prof. Dr. Edgar QUINONEZ (Peru)</b></p>
14:13-14:30	140- Faraday Functionalization Of A Textile And Textile Good "Smart" / F. Yılmaz, Ö. Apak, H. Doğu, E. Durugün, M. Şimşek	109- Dyeing Wool Fabrics With Natural Dyes / S. Sığirci, F. Yildiz, R. Arar	117- Examination Of Wool Woven Fabric Production Process With Control Of Natural Dye
14:38-14:41	139- Textile Surface Production With Turkey Fabric Resilient Fibers / S. D. Gürel, I. Uzun	102- Optimization Of Mordant-Free Fibre Dyeing Of Wool With Pectin Derivative Fibres Using Response Surface Methodology / A. Nig, F. S. Çakmak, And L. Jedin (Iraq)	94- The Results, Cost And Visual Properties Of Novel Composite Fiber Generated From Protein And Vegetable Wastings Processed / Ç. Özbek, B. Çelik, H. H. Tokat, U. Ergüner, R. Arar
14:40-15:00	138- Evaluation Of Thermal Stability And Shrinkage Properties Of Silk-wool Blends Dyed With Turkey Wool Fibers / F. Altın, Ö. Özgenç	176- Dyeing Effect On Wool Fibers / K. Ergun, M. Çelik, S. Doğu, Ö. Çelikkaya	155- Fiber Treatments And Their Influence On Spinning / H. Oğuz, C. O. Altın, A. Erol
15:08-15:33	141- Dyeing Properties Of The Effect Of Heat-Treatment On The Color Yield Of Ecofriendly Dyeed Wool Fabrics / S. Bağcı, E. Sevil, S. Menerci, T. Ögütal (Turkey)	110- Development Of Novel Tigated Fiber With Functional Properties Like Wool For Use In Special Finishing Technologies / Ö. Öner, S. Doğu, E. Doğu, S. Doğu, E. Doğu	95- The Effect Of Natural Treatments On Some Physical Properties Of The Wool Fabric / A. Eşki, A. Yılmaz (Iraq)
<p><b>BREAK</b></p>			
<p><b>HALL A</b> <b>PLENARY SESSION 3</b></p> <p><b>Dr. Ernie A. HeGinger</b>, Australia "Objective and Subjective Factors Affecting the Quality and the Processing of Raw Cottons"</p>			
16:05-17:15	<p><b>HALL A</b> <b>Yarn Production, Winding and Knitting</b> <b>Chairman: Prof. Dr. Ömer GÖKTEPE (Turkey)</b></p>	<p><b>HALL B</b> <b>Fiber Science and Technology</b> <b>Chairman: Prof. Dr. İnan ÖZEM (Turkey)</b></p>	<p><b>HALL C</b> <b>Dyeing/Finishing</b> <b>Chairman: Assoc. Prof. Dr. Gülhan ERKAN (Turkey)</b></p>
16:05-16:30	180- Properties Of Novel Wool-Cotton Blends / S. Bağcı, E. Sevil, S. Menerci, T. Ögütal (Turkey)	100- Application Of Artificial Intelligence In The Automatic Determination Of Intrinsic Viscosity Of Animal Fibers / E. C. Öner, F. H. Ö. Çelik, F. H. Ö. Çelik, And M. D. Quate-Duhalde	134- Ecological Hazards Of Competitive Used In Textiles / O. Pamuk, And A. A. Ercik
16:30-16:45	137- A Study About Comparison Of Antimicrobial Factors Using Alpaca And Sheep Wool Fibers / S. Özalp, Ö. Apak, And C. Uyarlı (Turkey)	181- A Review Of The Novel Wool Market In Turkey	98- The Application Of Competitive On Dyeed Wool Yarn With Natural Dyes From Dye Plants / M. Şimşek, M. Yılmaz, And F. Menderci (Iraq)
16:45-17:00	184- Investigation Of Thermal Properties Of Alpaca And Alpaca Wool Blends Woven Fabric / U. Çelik, E. Durugün	113- Effect Of The Wet Spinning On The Use Of Sheep Wool Fibers In Composite / D. Menderci, T. Y. Sankar (Canada)	109- Microwave-Assisted Extraction As A Rapid Extraction Technique For Natural Dyes From Quercus Coccifera L. For Wool Dyeing / W. Karim, H. Doğu, E. Çelik, S. Doğu, S. Doğu (Iraq)
17:00-17:15		117- Mohair Design Areas And Self-Wetting / O. Doğu, E. Durugün, A. A. Ercik	
<p><b>HALL A: CLOSING CEREMONY</b></p>			

## ICONWOOLF 2022 Kongre Düzenleme Kurulu



## KONGREDEN ÇEŞİTLİ GÖRÜNTÜLER

