

FACULTY OF TEXTILE ENGINEERING TUL

<u>Sunday 16.6.</u>	
17:00 – 19:00	Registration and Welcome drink (building B, Technical University of Liberec)

The AUTEX 2024 conference is organized by the Faculty of Textiles of the Technical University of Liberec and Clutex (Cluster Technical Textiles), within the EU project.



**Co-funded by
the European Union**

The link to the abstracts in PDF format can be found [here](#)

<u>Monday 17.6.</u>		
8:00 – 9:00	Registration (building G – Technical University of Liberec)	
9:00 – 9:45	Opening Ceremony – auditorium (3rd floor of building G)	
9:45 – 10:30	<i>Invited lecture</i> Yordan Kyosev “Multiscale Modelling of Textiles and Textile Products – Solutions and Challenges”	
10:30 – 11:15	COFFEE BREAK	
11:15 – 12:45	<i>Oral presentation (auditorium - A)</i> <i>chairman Yordan Kyosev</i>	<i>Oral presentation (lecture hall - B)</i> <i>chairman Jiří Chvojka</i>
	Ilze Baltiņa : Study of Electrification Process of Knitted Textiles	Onur Balcı : A CIELab-Based Outlier Detection Proposal for Quality Control in Denim Slasher Dyeing Machine

	Juris Blūms: Knitted Fully Textile Triboelectric Electroactive Sensors for Motion Monitoring	Mahmud Hossain: Recent Developments and Solutions of High-Speed Ring Spinning Process
	Jeffrey A. Joinesme: Predicting Final Construction of Jersey Knits Composed of Island-In-The-Sea Fibers: An Empirical Process Model	Bénédicte Strich: Optimization of the Macromolecular Structure in Poly(Ethylene Terephthalate) Filaments Through Controlled Melt-Spinning Process Parameters for an Enhanced Drawability
	İsmet Ege Kalkan: Comparison of Physical Performance Contribution of Giza Cotton vz Regular Cotton in Denim Fabrics	Hüseyin Topcu: Implementing Smart Digital Solutions for Rotary Screen Pigment Printing Method
	Nor Hafizah Mohd Jais: Study on the Effect of Different Material Composition on Physical and Mechanical Properties of Woven Fabric	Quentin Watel: Optimisation of Fabric Parameters for Textile Microfluidic Chips
12:45 – 14:00	LUNCH	
14:00 – 15:30	<i>Oral presentation – chairman Brigita Kolčavová</i>	<i>Oral presentation – chairman Jana Horáková</i>
	Mercedes Pereira Rodríguez: Textile Mechanical Characterization by Digital Image Correlation	Srishti Bajpai: Exploring Solution Blowing Technique for High-Performance Nanogenerator Fibers: Submicrometric Diameter and Enhanced Piezoelectric Properties
	Jasmin Pilgrim: Structural and Machine Development for Processing High Volume Weft Material and Its Integration in Multilayer Weave Structures for Thermal Insulation Applications	Faten Debbabi: Comparative Analysis of Alginate/Clove Essential Oil Nanoemulsion Process for Enhanced Antibacterial and Antifungal Activation of Textile Surfaces
	Muhammad Owais Raza Siddiqui: Computational Analysis of Plain Weft Knitted Fabrics for the Study of Air Permeability and Thermal Conductivity	Parian Mohamadi: Highly Sensitive Electrospun Sensory Membrane for Multi-Directional Strain Detection
	Emmanouela Sfyroera: The Potential of Conductive Knits to Mitigate Electromagnetic Radiation	Alessio Varesano: Antiviral and Antibacterial SILVER/PVA Coating by Spray and Electrospinning
	Shivangi Shukla: Design and Development of Woven Auxetic Textiles and Their Characterization (B.K.Behera)	Zeyue Xie: Study on Flexible Heating Nonwoven Fabrics
	Tao Yang: Achieving Excellent Sound Absorption With Reduced Weight in Fibrous Materials	Hassan Saeed: Enhancing Multilingual Collaboration in Clothing Studies: The E-DRESS Project
15:30 – 16:00	COFFEE BREAK	
16:00 – 17:00	<i>Oral presentation – chairman Tao Yang</i>	<i>Oral presentation – chairman Jana Drašarová</i>

	Atsushi Sakuma: Effect of Thermal and Mechanical Properties of Yarn on the Heat Retention Properties of Socks	Pramod Agrawal: Circular & Functional Mattress for the Healthcare Sector
	Ahmet Berkay Barman: Investigation of Yarn Performance of Sustainable Triple Fibre Blends	İAslı Tunçay Atalay: Development of Textile-Based Resistive Pressure Sensing Socks in Diabetes Mellitus for Early Detection of DFU
	Eleonora Bianca: Heat and Mass Transfer in Mountaineering Boots: A Thermal Manikin Study	Zeeshan Azam: Custom-Fit Sports Compression Garment Engineering Integrating Seamless/Semi-seamless and Scan Technologies
	Carola Böhmer: Effective Use of Yarn-Shaped Actuators in Textile Gloves for Kinesthetic Feedback	Lukas Benecke: Liquid Crystal Elastomer Fibers for Application in Soft Robotics and Medical Technology
17:00 – 17:20	<i>Invited lecture</i> Zuzana Veselá “Creative Approaches to Teaching Sustainable Design”	
17:30 – 17:50	FASHION SHOW	

During the conference, it will be possible to visit individual departments of the Faculty of Textile Engineering during the 14:00 – 15:00. Schedule and registration always in the morning at the registration point.

<u>Tuesday 18.6.</u>			
8:00 – 9:30	Registration (building G – Technical University of Liberec)		
9:00 – 9:30	<i>Invited lecture</i> Karel Boněk “Rieter Recycling Cotton”		
9:30 – 10:30	<i>Oral presentation</i> <i>(auditorium - A)</i> <i>chairman Jakub Wiener</i>	<i>Oral presentation</i> <i>(lecture hall - B)</i> <i>chairman Mohanapriya Venkataraman</i>	<i>Oral presentation</i> <i>(lecture hall - C)</i> <i>Chairman B K Behera</i>
	Christiana Agbo: Sustainable Dyeing Techniques: Supercritical CO ₂ Cotton Dyeing with Lac Dye with Enhanced Dye Adsorption	Shubham Agnihotri: Development and Evaluation of Novel Intumescent Flame-Retardant Coating for Textile Structure-Reinforced Composite	Emre Celayir: The Use of Graphene in the Development of Functional Woven Fabric
	Taosif Ahmed: Development and Application of Plain Weave Structured Triboelectric Nanogenerators for Energy Harvesting and Sensing	Marilés Bonet-Aracil: Development of Antimicrobial Cotton Fabric by Application of Chitosan, Methylene Blue and Rose Bengal	Mirela Blaga: Methodology for the Selection of Textile Materials Exposed to Vibration
	Sinem Hazal Akyildiz: From Wastewater to Insulation Panels: A Sustainable Approach to Textile Microfiber Waste	Gökhan Ceyhan: Eveloping of Sustainable Solution for Reductive Washing of Dispers Dyed Polyester	Dilayda Kanmaz, Kerim Kilinc: Production of Renewable Cork Powder Added Multifunctional Polyester Yarn on the Industrial Scale
	Monika Bogusławska – Bączek: Upcycling as a New (Old) Idea of Design Clothing in “Low Fashion” Trends	Tânia Ferreira: Comparative Analysis of Coating and Encasing Techniques Using Turmeric: A Two-Method Study	Karen K. Leonas: Influence of Laundering on NIR Spectroscopy Fiber Identification Accuracy
10:30 – 11:00	COFFEE BREAK		
11:00 – 12:30	<i>Oral presentation – chairman</i> <i>Ondřej Novák</i>	<i>Oral presentation – chairman</i> <i>Michal Vik</i>	<i>Oral presentation – chairman</i> <i>Jakub Erben</i>
	Swagata Banerjee (online): Polyamide Based Soft Materials for Piezoelectric Energy Harvesting: a Divergence from Commodity Applications	Hema Garg: Effect of Curing Temperature on Shape Memory Polyurethane Coated Fabric	Andrej Demšar: Holistic Thinking and Acting

	Chirantan Shee (online): Exploring the Triboelectric Energy Harvesting Performance of Needle Punched Nonwoven Structure	Ayşe Gök: The Application of Finishing Agents Via Solution Blowing (SBS) Method Into to Denim Fabric (Onur Balci)	Lieva Vav Langenhove: Roadmap Towards More Reusable Textiles at Hospitals
	Megi Basho: Optimizing Recycling Efficiency of Wool and Wool Blends for Sustainable Textile Practices	Sabrina Mauter: Product Parameters With Special Consideration of Fabric Blends Which Are Decisive for the Eco-Design of Apparel in Order to Design a Recyclable Product	André Matthes: Improving Vocational Training in the Textile Industry through the Digital Training Platform "Textil Trainer ": A Collaborative Approach in Saxony
	Hazal Dagdeviren: Soft Hemp-Sustainable Hemp Yarns and Design Applications	Liliana Leite: Exploring Organic Waste Materials as a Source for New Bio-Based Textile Fibers	Georgios Priniotakis: Reducing Water Footprint in Textile by Developing a Model and an Online Tool
	Francesca Stella: Converting Textile Waste: A Sustainable Approach Through Pretreatment and Hydrolysis for Obtaining Building Blocks	Jessica Schneider: Biocatalysts on Textiles	Zlatina Kazlacheva: An Investigation an Applying Elements of Traditional Women costumes from Yambol Region, Bulgaria in The Contemporary Fashion Design
		Irina Singer: Enzymatic Treatment of Polyester for Improving Recyclability and Hydrophilicity	
12:30 – 14:00	LUNCH		
14:00 – 15:30	<i>Oral presentation – chairman Gabriela Krupincová</i>	<i>Oral presentation – chairman Luboš Hes</i>	<i>Oral presentation – chairman Maroš Tunák</i>
	Hongci Hu: Interactive Textures: Engaging Through Knitted E-textiles	Yasunaga Hidekazu: Novel Technique Treatment of Cotton With Laccase Acid Aqueous Solution for the Prevention of Metal Allergy Symptoms	Henning Lichtenberg: Synchrotron Based X-Ray Absorption Spectroscopy for Structural Analysis of Basalt Fibers
	Daiva Mikučionienė: Sustainable Approach on How to Reduce the Water Footprint in Textiles	İdil Yiğit: Surface Treatment of Hemp Materials	Murat Mula: Modeling of Needle Punched Nonwoven Structures to Analyse Porosity
	David Mínguez-García: Reduction of Microplastic Release in Textile Laundering by PVA Nanofibres	Seniha Morsümbül: Nanofiber-Based Wound Dressings Enhanced With Essential Oils	Siddhi Vardhan Singh Rao: Acoustic Behaviour of Knitted-Nonwoven Hybrid Materials for Industrial/Automotive Noise Reduction
	Maja Radetić: Recycled Jute Nonwoven Material Modified With PANI/TiO ₂	Nurul Hidayah Abdul Aziz: Comparison of Moisture Management Properties for	Shubham Singh: Thermal and Mechanical Characterization of UHMWPE Based Knitted

	Nanocomposite for Removal of Metal Ions From Water	Malaysian Government Uniforms	Textiles for Cut-Protective Applications
	Hendrik Florian Pötzsch: Photosensitizers Integrated Melt Spun Yarns for Low Energy Light Sterilization of Medical Hygiene Textiles	Jelka Geršak: The Phenomenon of Sweating and Its Effects on Wearing Comfort	Mayuri Srivastava: PVDF/TMDs-an Advanced Material With High Piezoelectric Performance
	Larissa Oliveira Zatiti Brasileiro: Obtaining Antimicrobial Textiles Through Coordinated Chemistry: Functionalized Textiles From MCM-41 Mesoporous Silica and ZIF-67 Metallic Networks	K. M. Faridul Hasan: Enhancing Personal Thermal Comfort: Radiative Cooling Smart Textiles for Efficient Thermal Management	Mula Rana Nur: Developing a Pressure Sensor for 3D Nonwoven Assemblies by Using
16:00 – 16:30	COFFEE BREAK		
16:30 – 17:30	<i>Oral presentation – chairman</i> <i>Blanka Tomková</i>	<i>Oral presentation – chairman</i> <i>Michal Martinka</i>	<i>Oral presentation – chairman</i> <i>Dana Křemenáková</i>
	Ayalew Gebremariam: Surface Conductivity Analysis on Electroconductive Woven Fabrics for Electrotherapy Applications	M. S. Cheema: Optimizing Pattern Methods for Nonwoven Apparel Help Optimize Garment Fit, Comfort, and Overall Performance of Nonwoven Materials	Ebru Çalışkan: Use of Deep Learning for Prediction of Physical Properties of Denim Garment (Onur Balci)
	Ghazaleh Dini: Developing Antibacterial Wet-Laid Alginate Fibers as Wound Dressing	Viraj Somkuwar: Development of an Integrated Textile-Based Triboelectric Nanogenerator for Energy Harvesting From Body Movements	Kwok-tung Hui: A New Objective Approach of Evaluating Breast Motion for Sports Bra Design
	Sagnik Ghosh: Design of Woven Fabric Mimetic 3D Printed Hierarchical Porous Scaffolds	Özgür Atalay: A Seamless T-Shirt Design With Textile-Based ECG Electrodes, Respiration and Posture Monitoring Sensors	Cheng Yan: The Impact of Online Word-Of-Mouth on the Online Sales of Traditional Chinese Women's Apparel and Accessories
	Advitiya Kumar: Cellulose Based HiPe Templated Scaffolds for Efficient and Eco-Friendly Oil Sorption	Preeti Singh: Safe Threads: Advances in Protective Textiles Unveiling Cutting-Edge Innovations and Practical Applications	Ayrin İbiş: The Use of Different Silicone Polymer to Increase the Performance of Denim Garment
19:30 – 22:00	GALA DINNER – Kavárna pošta		

<u>Wednesday 19.6.</u>		
8:30 – 9:00	<i>Invited lecture</i> Malgorzata Matusiak “Textile Surface Geometry – Its Importance and Measurement”	
9:00 – 10:00	<i>Oral presentation</i> – chairman Malgorzata Matusiak	<i>Oral presentation – chairman Zdeněk Kůs</i>
	Roberta Peila: Preparation of Ph-Sensitive Medical Dressing With Curcumin and Bromothymol Blue: Characterization and Biocompatibility Evaluation	Olena Kyzymchuk: The Effect of Compression Stocking on Legs Geometry Changes Within Different Movement
	Alexander Loewen: Growing Aortic Valve: Development of a Biohybrid Heart Valve With Growth Capability for the Treatment of Paediatric Patients	Sudhanshu Maurya: Thermal Protective Performance of Outer Layer of Thermal Protective Clothing at Different Test Angle
	Boris Mahltig: Textile Based Biophysical Concept for the Protection of Human Skin	Rimvydas Milašius: Lithuanian Traditional Ornaments and Costumes
	Yamashita Yoshihiro: Study on Superior Mechanical Properties of Thermoplastic Woven Composites Made of Opened Carbon Fiber Yarns	Raphael Kanyire Seidu: Performance of Pedestrian Interactive Clothing System for Night-Time Safety
10:00 – 10:30	COFFEE BREAK	
10:30 – 12:00	<i>Oral presentation – chairman Lukáš Čapek</i>	<i>Oral presentation – chairman Mirela Blaga</i>
	Achyuth Ram Annadata: Three-Dimensional Deformation Behavior of a Single Hinged SMA Integrated Fiber Rubber Composite	Mohammad Mahbubul Alam: Environmentally Friendly Microwave Assisted Extraction of Cellulose From Waste Olive Wood by Using Alkali
	Serdar BAŞEV: Different Woven Carbon Fabric Constructions Effect’s on Flexural Strength of Concrete Beam	Leon Blanckart: Natural Aquatic Fiber: Exploiting Algae as New Raw Material for Textile
	B. K. Behera: Multifunctional Textile Structural Composites for Acoustic Applications	Ilham ESSAKET: Chemical Treatments of Moroccan Sisal Fiber for Mechanical Applications on Biocomposites
	Mir Mohammad Badrul Hasan: Aspect of the Development of Thermoset Composites Based on Yarns and Fabric With High Recycled Carbon Fibre Content	Gökhan Günes: Development of Denim and Non-denim Fabrics From Modified Bamboo Charcoal Fiber: An Innovative Approach to Textile Production
	Huynh Thi Anh My: Development of Durable FRP Based on Tailored 3D Woven Fabrics	Alper Gürarlan: Textiles Made of Poplar Fibers
	Hung Le Xuan: Functionalized Carbonfiber-Based Textile Reinforcements for Textile Reinforced Concrete	Vishal Srivastava: Enhancing the Shelf Life of Strawberry Packaging Using Agriculture Waste Fibre-Reinforced Biocomposite Film

12:00 – 13:00	LUNCH	
13:00 – 14:30	<i>Oral presentation – chairman Vladimír Bajzík</i>	<i>Oral presentation – chairman Petr Mikeš</i>
	Tsegaye Lemmi: Fire Retardancy and Mechanical Properties of Natural Fiber-Reinforced Composites	Canan Usta: Poplar Fiber as a Natural Fibrous Sorbent for Oil-Water Separation
	Johannes Mersch: Non-destructive Testing of Gaps in High Performance Fiber-Reinforced Composites With Eddy Current Sensors	Ricarda Wissel: Biological Recycling of PET-Containing Textiles
	Müslüm Kaplan: Development Highly Conductive Polyamide 6/Carbon Black Composites and Core/Sheath Filaments for Smart Textiles	Temesgen Regassa Woyessa: Hydraulic Properties of Natural Fibres Bundles for Geotextile Applications
	Omender: Mechanical Performance of Novel Intralayer Hybrid 3D Woven Honeycomb Composites Core for Lightweight Sandwich Composite	Matthias Overberg: A Comprehensive Analysis of the Correlation Between Cross-Sectional Characteristics and Mechanical Behavior in Composite Materials
	Juan Daniel Ortega Arbulu: Development of Hybrid 3D Woven Structures for Concrete Reinforcement Under Impact Loading	Prabhjot Singh: Flexural Fatigue Behaviour of UD, 2D and 3D Woven Solid Woven Composite Core-Based Sandwich Panels
	Vikas Khatkar: Damping and Wear behaviour 3D Woven reinforced Structural Composite for Automotive Leaf Spring Application	Olga Zilke: Eco-Friendly Flame Retardants for Textiles
14:30 – 15:00	COFFEE BREAK	
15:00 – 15:30	CONFERENCE CLOSING	
16:30	Social programme - visit to the Technical Museum	

POSTER PRESENTATION

(free discussion takes place throughout the conference)

Monday 17.6.

1	Svitlana Arabuli: Tensile Properties of Knitted for EMR Shielding
2	Kristýna Bendová: Structures Created During Through-Air Bonding of Nonwovens
3	Inese Ziemele: Ballistic Protection Vest with Graphene-and-Silica-Aerogel-Enhanced Lightweight Panels and an Integrated Pressure-Sensitive Layer
4	Oumaima Chajii: Microwave and Ultrasound-Assisted Extraction Techniques for the Reseda Luteola L. Dye: Optimization, Characterization Colorimetry and UV Protection
5	Shi Hu: Parylene-C encapsulated Cu coated nonwovens for thermotheapy application
6	Recep Türkay Kocaman: An Overview of the Recent Developments in 3D Woven Spacer Fabrics and Near-Net-Shape Preforms at Hof University
7	Natálie Marešová: Impact of Weave Structural Cells Typology in Fabric Structure on Fabric Air
8	Jittipat Omsinsombon: Development of Copper Coated Melamine Foam for Electromagnetic Interference Shielding
9	David Wienen: Hydrolytic Degradation of Thermoplastic Polyurethane Filaments for Suture Material
10	Kai Yang: Thermal Buffering Effect of a Multi-Layer PCM Fibrous System Under Different Heating Temperatures
11	Xiuling Zhang: EMI Shielding Behavior of Benzotriazole-Coated Metal-Plated Fabrics
12	Dan Wang: Influence of Rotis Structure on Sandwich Material's Thermal Property for Construction Application
13	Klára Gergelitsová: A Novel Approach to Flammability Assessment of High-Loft Nonwoven Textiles
14	Anna Bartlová: Three-Dimensional Woven Fabrics Structure for Ballistic Protection
15	Viktorija Diak: 3D Printed Textile-Like Structures: Materials, Textures and Challenges
16	İsmet Ege Kalkan: Effect of Recycled Cotton Blend Ratio on Yarn and Knitted Fabric Performances
17	İsmet Ege Kalkan: Enhancing the Wrinkles Recovery Performance of Silk Fabrics With Crosslinking at Low Temperature
18	Muhammad Zaman Khan: In Situ Synthesis and Immobilization of Zinc Oxide Nanowires Onto Cotton Fabrics
19	Klara Kostajnšek: The Influence of Fabric Structure on the Pilling Effect
20	Irena Lenfeldová: Microfiber Knitted Carrier for Wastewater Treatment - Surface Layer Design

21	Martina Ryvolová: Durability Technical Fibres in Alkaline Environment
22	Martina Víková: Appearance of Optically Brightened Materials Under Different Types of Artificial Lighting
23	Zhen Yin: Construction of Patterned Cu ₂ O Photonic Crystals on Textile Substrates
24	Zhu Guocheng: Preparation of Monodisperse Single-Crystal ZnO Microspheres and Its Application on Textile for Structural Color
25	Kateřina Blatoňová: Study of the Use of a Surgical Monofilament Made of Polydioxanone for 3D Printing of Absorbable Orthopedic Implants
26	Sabina Hrušková: Stability of Chitosan in Woven Fabric Structures in the Washing Process
27	Ginta Laureckienė: Investigation of Orthopaedic Electroconductive Knitted Supports Comfort Properties
28	Gisbert-Paya Jaime: Auxetic Textiles in Clo3D: Advancing Sustainability and Design Adaptability

<u>Tuesday 18.6.</u>	
1	Anne Beatriz Santos Bardelli: Textile Dye Biosorption Using Residual Fungal Biomass
2	Noemi Cei: Tornado: New Routes of Safe and Sustainable by Design Water and Oil Repellent Biobased Coatings
3	Nina Čuk: Evaluation of the Growth Kinetics of E. Coli on Cotton Fabric
4	Díaz-García Pablo: Effect of Degree of Polymerisation on Enzymatic Degradation of Cotton Fibres
5	Jaroslava Frajova: Bacterial Cellulose: Hybrid Growth Composite With Textile Supports Materials for Sustainable Architectonical Design
6	Daniel Karthik: Prospects of Catechol-Based Functionalization of Various Polymeric Substrates
7	Yoko Okahisa: Solution-Dyed Regenerated Cellulose Prepared Using Ionic Liquids
8	Marcela Pechová: Evaluation of Samples With Different Chromaticity
9	Utkarshsinh Solanki: Spectrophotometric Data Analysis to Investigate the Photodegradation of Photochromic Prints Exposed to Continuous UV Irradiance
10	Xiaodong Tan: Preparation and Characterization of 3-Mercaptopropyltrimethoxysilane Modified Viscose Coated by Copper
11	Claudia Vineis: Study, Application and Characterization of Eco-Friendly Solutions for Antibacterial Textile Finishing
12	Jan Vinter: Fibre Extraction Sorbents for Chromatographic Analysis

13	Lingya Wu: Study on the Dyeing Performance of Paper-Based Woven Fabrics
14	İdil Yiğit: Structural Changes of Uhmwpe Fiber Treated With Ozone
15	Alenka Pavko Čuden: Functionalization and Sustainability of Contemporary Knitted Products
16	Natalie Fohrer: E3Tex – Enhancing Circular Economies in the Textile and Clothing Industry Using the Example of a Model Implementation
17	Darka Marković: Recycled Jute Non-woven Sorbent Modified With Fatty Acids for Oil Clean-up
18	Jana Novotná: Changes in the Surface of Textile Fibres Due to Mechanical Stress
19	Viera Glombiková: Thermo-Physiological Comfort of Car Seats
20	Zlatina Kazlacheva: Sustainable Design of Women’s Sport Dance Costumes
21	Hasan Kamrul: Stretchable Auxetic Textile-Based Strain Sensor
22	Saori Kitaguchi: Fiber Classification by Deep Learning Using Regions of Interest Based on Visual Evaluation
23	Michal Martinka: Application of Wearable Electronics and Sensors in Professional and Leisure Wear
24	Wang Menglei: Tactile Sensation (TSA) Based and 3D Optical Analysis of Woven Fabrics
25	Hongfei Yang: “Natural-Skin” - Color Bionics and Thermal Comfort in Textiles and Apparel Technology
26	Petra Jirásková: Effect of Distance Clip Height of Ring Spinning Frame on the Properties of Yarn
27	Yana Mamchenko: Determination of Reliability Indicators of Textile Materials for the Manufacture of Protective Equipment
28	Zarnab Gul: Coconut Oil Based Microcapsules Coated with CHPTAC/ethyl Cellulose: A Functionalized Synthesis with Enhanced Adherence

<u>Wednesday 19.6.</u>	
1	Divan Coetzee: Effect of Expanded Graphite on the Thermal Conductivity of Textile-Based Composites
2	Marcus Krah: Development of 3D-Structures With Auxetic Material Behaviour-Production of Innovative, Foam-Free and Curved Textiles for Energy Absorption
3	Aamir Mahmood: Effect of Glass Sand Replacement on Mechanical Properties of Cementitious Mixtures
4	Iwona Frydrych: Application of PVD Process to Produce a Composite With Coating for the Use in Gloves Protecting Against Hot Factors
5	Bastien Turbot: Three-Dimensional Woven Auxetic Material as a Fibrous Reinforcement for Composites

6	Yuanfeng Wang: Metal/Carbon Hybrid Fabric for Outdoor EMI Shielding
7	Badara Olamide: Eco-Friendly Alternatives in Agrotextiles: Needle Punched Nonwovens Obtained From Viscose and Tencel vs. Polyester Fibres
8	Belda-Anaya Raquel: Influence of Humidity on the Biodegradability Process of Textiles
9	Gökhan GÜNEŞ: Usability of Soya Bean Protein Fibre in Denim Fabric Production and Its Potential in Textile Industry
10	Mahalakshmi Subramanian: Thermal Analysis of Coir Fibers
11	Asif Javed: N-Methylol Dimethyl Phosphonopropion Amide (MDPA) and Zinc Oxide Nanoparticles (ZnO NPs) Coated Flame Retardant Cotton Fabrics
12	Jakub Erben: High-Rich Graphene Doped Polymer Nanofibers Prepared via Alternating Current Electrospinning for Straightforward Preconcentration of Pollutants in Environmental Waters
13	Venera Levitskaya: Application of Alternating Current Electrospinning for the Fabrication of Nanofibrous Layers Functionalized With Active Substance
14	Senta Müllerová: AC Electrospinning Fabricated Nanofibrous Materials Based on Polycaprolactone and Graphene With Polydopamine Coating
15	Qingyan Peng: Inkjet-Printed Graphene/Nanofiber Flexible Symmetric Supercapacitors
16	Meriem Saadouni: Antibacterial Properties of a Non-woven Filter Based on Textile Waste for Copper and Silver Removal
17	Patryk Śniarowski: Test Methods for Primary Wound Dressings and Microscopic Observation of Commercial Wound Dressings
18	Sebnem Sozcu: Synthesis of Cellulose Aerogel and Their Application in the Fibrous Structures
19	Wang Yan: Development of Carboxymethyl Chitosan/Polyvinyl Alcohol/Glycerol Nanofibrous Membrane as Wound Dressing
20	İsmet Ege Kalkan: Fiber Selection for Luxurious Scarf With Enhanced Performances
21	Mohammad Shak Sadi: Multifunctional Yarn Based E-textile for Wearable Strain Sensing and Thermal Heating Applications
22	Eugenija Strazdiene: The Behaviour of Differently Orientated Fabric Sewn Systems Under Biaxial Loading
23	Michal Vik: Efficiency of High Visibility Garments
24	Shengzhou CHEN: Aged Color Perception
25	Chandra Jeet Singh: Oil Removal From Oily Wastewater Using Modified Waste Cotton as a Coalescence Filter
26	Nina Tarzyńska: Overview of Commercial Wound Dressings