

PROGRAM

International Conference TEXTEH12

23-24.10.2025

DAY 1-23.10.2025	
Time	Activity
8:30-9:00	Registration of participants
9:00-9:15	Welcome: Alexandra Gabriela Ene - General Manager of INCOTP
	Keynote Speakers
9:15 -9:35	<i>Microanalysis of Airborne Nano/Microplastic Particles in a Textile Industrial Environment</i> <u>Paul-Tiberiu Miclea</u> , Hardik Vaghasiya, Korinna Altmann, Emilia Visileanu
9:35-9:55	<i>Deep Eutectic Solvents: Weaving a Greener Future for Textiles</i> <u>Aminoddin Haji</u>
9:55-10:15	<i>Predictive and Experimental Approaches for Sustainable Hemp Fibre Pretreatment in Textile Applications</i> <u>Jonas Van Rie</u> , Sofie Vermeire, Frank Deruyck, Alexandra De Raeve
10:15-10:35	<i>Designing for Longevity: A Review of Mavi's Multi-Faceted Approach to Sustainable Apparel</i> <u>Özgür Ceylan</u> , Nesligül Kılıç, Irmak Taş, Emel Aydın, Merve Gümüş, Nedret Aslıhan Arpınar
10:35-10:55	<i>Clusters, Digital innovation Hubs and Smart Specialization</i> Cristina Leucuta
10:55-11:10	Coffee break
	PLENARY SESSION I Chairman: Aminoddin Haji
11:10-11:30	Textile Structures in Interior Architecture: Aesthetic, Functional, Necessary <u>Cora Corina Constantinoiu</u>
11:30-11:50	<i>Finite Element Modelling and Experimental Analysis of 3D Woven Orthogonal Sisal-Basalt Hybrid Composites for Automotive Parts</i> <u>Sameer Kumar Behera</u> , S.P. Singh, B.K. Behera
11:50-12:10	<i>First Responders Advanced Personal Protection System</i> Doina Toma, Alina Popescu, <u>Cristina Grosu</u> , Georgeta Popescu, Cătălin Enescu, Marcel Istrate
12:10-12:30	<i>Investigation of the Nanofiber Coated Recycled Polypropylene Nonwovens as Insulation Textile Material</i> <u>Funda Cengiz Çallıoğlu</u> , Hülya Kesici
12:30-12:50	<i>Unstoppable in Your Skin: Development of Functional Women's Sportswear for Overweight Figures</i> <u>Andreja Rudolf</u> , Sonja Šterman, Valerie Wolf Gang, Moni Kuharič Video
12:50-13:10	<i>The Formation of Sociocultural Values in Higher Education: Premises for Professional and Social Integration</i> <u>Victoria Danila</u> , Liliana Condratcova, Larisa Sadovei
13:10-14:10	Lunch break

	Work-Shop: Textiles for Health: Innovations, Applications, and Impact Chairman: Emilia Visileanu
14:10-14:25	<i>Textile Fibres as Reference Materials for Microplastic Release</i> Frank Milczewski, Tina Rybak, Maximilian Ebisch, Lea Ann Dailey, <u>Korinna Altmann</u>
14:25-14:40	<i>Innovative Bleeding Control System for Life-Threatening Limb Wounds</i> Radu Hertzog
14:40-14:55	<i>Resistive Humidity Sensor for a Hemostatic Protection System Destined for Combat Garments</i> Emilia Visileanu, Alexandra Gabriela Ene, <u>Catalin Grosu</u> , Razvan Radulescu, Felicia Dondea
14:55-15:10	<i>Biological Risks and Airborne Contamination in Romanian Museums Hosting Textile Heritage Objects</i> <u>Maria Haiducu</u> , Raluca-Aurora Ștepa, Emilia Visileanu, Cătălin Grosu
15:10-15:25	<i>Testing Methods of Textile Structures for Anti-Haemorrhage System in Combat Suits</i> <u>Laurențiu Ch. Dincă</u> , Elena Perdum, Emilia Visileanu, Ion Răzvan Rădulescu
15:25-15:40	<i>Modified Meek Technique Using Pre-Folded Polyamide Gauzes: A 10-Patient Case Series with Extensive Burns</i> Anca Buliman, Alexandru Laurențiu Chioțoroiu, <u>Tatiana-Alexandra Panchici</u> , Diana Cintacioiu, Sorin Viorel Parasca, Ileana Carmen Boiangiu, Marius P. Iordache
15:40-15:50	Coffee break
	PLENARY SESSION II Chairman: Paul Tiberiu Miclea
15:50-16:05	<i>Self-powered Wearable Sensors: State-of-the-Art, Challenges and Future Outlooks</i> Roohollah Bagherzadeh and <u>Aminoddin Haji</u>
16:05-16:20	<i>Transylvania Textile Fashion Cluster</i> Eva Gaszpor
16:20-16:35	<i>Sustainable and Smart Materials for Foot Protection</i> Carmen Gaidău, F. Ghebuta, O.A. Chiriac, Mariana Costea, Rodica Roxana Constantinescu, Cosmin Andrei Alexe, Mirela Pantazi-Băjenaru
16:35-16:50	<i>From Eco-Friendly Materials to Timeless Designs: A Case Study of Mavi's 'Denim Edition'</i> <u>Özgür Ceylan</u> , Nesligül Kılıç, Irmak Taş, Emel Aydın, Neslihan Ak, Tuğçe Yavaş, Ceylin Tokatlıoğlu
16:50-18:00	POSTER SESSION Chairman: Catalin Grosu
	<i>Flame-Resistant Fabrics for Military Applications: Effects of Repeated Washing on Physico-Mechanical and Colour Properties</i> <u>Petia Gencheva</u> , Rumyana Milyovska, Darina Zheleva, Desislava S. Angelova
	<i>Comparison of the Physico-Mechanical Properties of Metal Oxides Applied as Antibacterial Finishes for Lining Materials for Shoes</i> <u>Desislava S. Angelova</u> , Darina Zheleva, Petia Gencheva
	<i>Hydrogel Filaments Reinforced with Natural Fibres Used for Advanced Biomedical Applications</i> <u>Felicia Dondea</u> , Emilia Visileanu, Florin Miculescu, Aura-Cătălina Mocanu
19:00-21:00	Reception: "Carul cu bere" restaurant

DAY 2-24.10.2025

Time	Activity
	PLENARY SESSION III Chairman: Korinna Altman
9:00 - 9:15	<i>Production of Peppermint Essential Oil Loaded Nanofibers</i> <u>Mustafa Geysoğlu</u> , Funda Cengiz Çallıoğlu
9:15 -9:30	<i>Effect of Azithromycin and Sweet Orange Oil Ratios on Emulsion Electrospun Nanofibers Morphology</i> <u>Funda Cengiz Çallıoğlu</u> , Hülya Kesici
9:30-9:45	<i>Thermoplastic Polymer Biocomposite Dynamically Vulcanized with Dicumyl Peroxide</i> Laurenția Alexandrescu, <u>Mihai Georgescu</u> , Maria Sönmez
9:45-10:00	<i>Facile Functionalization of Cotton Fabrics with Dispersions Based on TiO₂-Binary Nanoparticle Systems</i> Laura Chirilă, Laurențiu Dincă, Alina Popescu, Demetra Simion, <u>Cristina-Mihaela Lite</u> , Doina Toma
10:00-10:15	<i>Reconstructing the Past: Creating a Virtual Replica of a Historical Blouse</i> <u>Andreja Rudolf</u> , Maja Hren Brvar, Lucie Görlichová, Barbara Pučko Video
10:15-10:30	<i>From Agro-Biomass to Myco-Composites: Reinforcement Strategies and Mechanical Performance Insights</i> <u>Bogdan Cazan</u> , Ovidiu Iordache
10:30-10:45	<i>Investigation of the Effects of Different Coatings and Additives Used in Artificial Leather Production on the Performance of Photochromic and Thermochromic Dyes</i> <u>Sevda Manav</u> , Gökhan Erkan
10:45-11:00	<i>Uncertainty Assessment of an Integrated Analytical System for Evaluating Modern and Contemporary Textile Museum Collections</i> <u>Elena-Cornelia Tănăsescu</u> , Lucia-Oana Secăreanu, Alexandra-Gabriela Ene
11:00-11:15	Coffee break
	PLENARY SESSION IV Chairman: Razvan Radulescu
11:15-11:30	<i>Autonomous Foil Kite - Wind Energy Generator, Experimental Model Development</i> <u>Adrian Săliștean</u>
11:30-11:50	<i>Application of Specialised Visualisation Software in the Creation of a Fashion Collection of Sustainable National Style Garments</i> <u>Tanyo Hristov</u> Video
11:50-12:10	<i>Development and Optimisation of Weft-Knitted Spacer Fabrics and Their Composites for Protective Applications</i> Aniket Kailash Gajbhiye
12:10-12:30	<i>Comparative Analysis of Virtual 3D Simulations of Garments with Different CAD 3D Programmes Based on Methods for Measuring Fabric Properties</i> Simona Vasile, Alexandra De Raeve, Joris Cools, <u>Andreja Rudolf</u> Video
12:30-13:30	Lunch break

	PLENARY SESSION V Chairman: Laurentiu Dinca
13:30-13:45	<i>Development of Crosslinked Collagen-Hydroxyapatite Composite Materials for Bone Tissue Engineering</i> <u>Alina Florentina Vladu</u> , Mădălina Albu-Kaya, Denisa Fikai, Anton Fikai
13:45-14:00	<i>Methods for Assessing Vibration Transmissibility in Materials with Intrinsic Damping Properties</i> <u>Cristina Grosu</u> , Mirela Blaga, Mihăiță Horodincă, Neculai Eugen Seghedin
14:00-14:15	<i>Learning Management System Solutions for Testing Competencies of Professionals in Textiles</i> <u>Ion Răzvan Rădulescu</u> , Emilia Visileanu, Cristina Grosu, Răzvan Scarlat, Laurențiu Dincă, Elena Perdum, Xianyi Zeng, Xuyuan Tao, Wen Yang
14:15-14:30	<i>Antimicrobial Impact of the Silver Nanoparticles Deposition Strategies on Textile Support</i> <u>Mihaela-Cristina Lite</u> , Rodica Roxana Constantinescu, Laura Chirilă, Alina Popescu
14:30-14:45	<i>Design and Implementation of Smart Wearable Garments with Embedded Sensors for Monitoring Infant Health and Safety</i> Victoria Danila, Antonela Curteza, Stela Balan
14:45-15:00	Coffee break
	PLENARY SESSION VI Chairman: Cristina Grosu
15:00-15:15	<i>Developing Biodegradable Protein/"Core-Shell/Hollow" and Titanium Dioxide Composite Structures with Applications in the Textile and Leather Industries</i> <u>Demetra Simion</u> , Alina Popescu, Carmen Gaidău, Laura Chirilă, Mihaela-Cristina Lite, Mariana Daniela Berechet
15:15-15:30	<i>Predictive Data Analysis for Electromagnetic Screens</i> <u>Raluca Maria Aileni</u> , Marin Cornel Adrian Video
15:30-15:45	<i>Validation of Educational Strategies Forming Sociocultural Values in Students of Engineering Study Programs</i> Victoria Danila, Liliana Condraticova, Larisa Sadovei
15:45-16:00	<i>Aspects Regarding Mechanical Recycling of Polypropylene Waste in Romania</i> <u>Mariana Daniela Berechet</u> , Maria Daniela Stelescu, N. Zuga, Demetra Simion
16:00-17:00	POSTER SESSION
	<i>Relationship Between the Structure of Biocomposites Dynamically Vulcanised with Peroxide and Their Physical-Mechanical and Technological Characteristics</i> Laurenția Alexandrescu, <u>Mihai Georgescu</u> , Maria Sönmez
	<i>Capacity Building in the Field of VET Based on the Specific Needs in Ukraine and Moldova</i> <u>Raluca Maria Aileni</u> , Marin Cornel Adrian
	<i>Increasing the Confidence of Textile Industry Stakeholders through the Voluntary Certification Process</i> Cristina Grosu
	<i>ITA-TEXCONF-Business Incubator</i> Loreti Nedelcu
	<i>INCDTP - A Vector of Quality. Accredited Testing for Textiles and Leather</i> Alina Dumitru
17:00	End of the Conference