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Under the Patronage of
Ministry of Research
and Innovation

ICAMS 2018

7th International Conference on Advanced Materials and Systems

CONFERENCE PROGRAM
18-20 October 2018
Bucharest, Romania
www.icams.ro

Partners

UNDER THE PATRONAGE OF:

MINISTERUL CERCETĂRII ȘI INOVĂRII

Ministry of Research and Innovation

ORGANIZED BY:

National Research & Development Institute for Textile and Leather (INCDTP), Bucharest, Romania

Division Leather & Footwear Research Institute (ICPI) Bucharest, Romania

East Siberia State University of Technology & Management, Ulan-Ude, Russia

Leather Engineering Department Ege University, Turkey

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FOREWORD

ICAMS 2018 is offering the framework for presenting the latest results in research, focusing on the field of Materials Science and Innovative Technologies, which records an impressive dynamics and is recognized as a current national and European priority.

The 7th edition of ICAMS takes place in the year when Romania celebrates 100 years from the Great Union A special session will be dedicated to celebrating and promoting Romanian heritage and cultural identity by presenting papers on the protection and conservation of the national heritage of leather and parchment objects.

The ICAMS 2018 international event, organised by the National Institute for Research and Development for Textiles and Leather - Division Leather and Footwear Institute (INCDTP-ICPI) under the Patronage of the Romanian Ministry for Research and Innovation (MCI), took place in Bucharest on 18-20 October 2018. ICAMS 2018 brought together different stakeholders and provided a platform for a better understanding of the European innovation ecosystem while raising awareness of the actions needed to enable synergies and drawing lessons for future actions.

The conference provides the opportunity for exchanging ideas and experience with researchers, scientists and experts at international level, and for developing new scientific contributions.

Around 130 participants joined the event from several academic and research institutions, public and private sectors, as well as Managing Authorities. Participants presented their experience on research, innovation, policies and the creation of synergies. All these inputs offered insightful elements for discussion in the different participatory sessions throughout the event.

The conference topics include, but are not limited to:

1.Advanced Functional Materials & Biomaterials

2.Nanotechnology and Nanomaterials

3.Emerging Techniques

4.Smart Materials

5.Materials Engineering and Performance

6.Materials Processing and Product Manufacturing

7.Modelling and Simulation

8.Materials Characterization

9.Non-destructive Testing

10.Advanced Materials & Systems Innovation

11.Towards a Circular Economy

We would like to thank all the participants, the International Scientific Committee, partners and all the sponsors that made this scientific event possible. ICAMS Conference has already become a tradition, contributing to the advancement of Materials Science in research, academic, social and business environments worldwide.

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Dr. Viorica Deselnicu

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Under the patronage of Ministry of Research and Innovation

The 7th International Conference on Advanced Materials and Systems

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18-20 October 2018, Bucharest, Romania

ROMANIA 1918-2018 | CELEBRATING TOGETHER

Short Program

CAPITAL PLAZA HOTEL

Thursday, October 18th

"Mihail Kogalniceanu", "Carol Davila" & "Pache Protopopescu" meeting rooms

08:00-09:00	Registration & welcome coffee
09:00-09:30	**Opening Ceremony**
09:30-11:00	**Plenary lectures and Special Session: 100 Years from the Great Union - Promoting Cultural Identity and Heritage**
11:00-11:30	Networking & Coffee break/Poster session 1
11:30-13:00	**Oral presentations** *Session 1:* **Advanced Functional Materials & Biomaterials**
13:00-14:30	Lunch break/Poster session 1

	"Mihail Kogalniceanu" meeting room	*"Carol Davila"* meeting room	*"Pache Protopopescu"* meeting room	*"Ion Mincu 1"* meeting room
14:30-16:45	**Oral presentations** *Session 1:* **Advanced Functional Materials & Biomaterials** *Session 6:* **Materials Processing & Product Manufacturing**	**Oral presentations** *Session 2:* **Nanotechnology and Nanomaterials** *Session 3:* **Emerging Techniques** *Session 4:* **Smart Materials** *Session 5:* **Materials Engineering and Performance**	**Workshop** *Manunet Project:* **InSuLA**	**Exploratory Workshop** *Erasmus+ Project:* **INNOLEA**
16:00-16:30	Networking & Coffee break/Poster session 1			
			National Event *Erasmus+ Project:* **FIT2COMFORT**	**Exploratory Workshop (Continued)** *Erasmus+ Project:* **INNOLEA**
19:00-23:00	**Gala Dinner - SOLE Restaurant**			

Friday, October 19th

	"Mihail Kogalniceanu" & "Carol Davila" meeting rooms	*"Pache Protopopescu"* meeting room	*"Ion Mincu 1"* meeting room
08:30-09:00	Registration & welcome coffee		
09:00-10:20	**Oral presentations** *Session 7:* **Modelling and Simulation** *Session 8:* **Materials Characterization** *Session 9:* **Non-destructive Testing**	**Multiplier Event** *Erasmus+ Project:* **LEAMAN**	**Exploratory Workshop** *Erasmus+ Project:* **INNOLEA**
10:30-11:00	Networking & Coffee break/Poster session 2		
11:00-13:15	**Oral presentations** *Session 10:* **Advanced Materials & Systems Innovation** *Special session:* **Towards a Circular Economy**	Poster Session 2 & Technical-Scientific Exhibition of Books and Products	**Exploratory Workshop (Continued)** *Erasmus+ Project:* **INNOLEA**
13:45-14:00	**Closing Ceremony**		
14:00-15:30	Lunch break		

INCDTP-ICPI Premises

15:30-17:00	**Exploratory Workshop INNOLEA (Continued) - Visit in INCDTP-ICPI Pilot Station and Laboratories**

Saturday, October 20th

		INCDTP-ICPI Premises
08:30-19:00	**Technical and Educational Tour – (Optional)** **Târgoviște - The Royal Court & Brâncoveanu Court of Potlogi - Visit of Cultural and Historical Objectives**	10:00-13:00 **Exploratory Workshop** *Erasmus+ Project:* **INNOLEA**

Thursday, October 18th 2018

"MIHAIL KOGALNICEANU" AND ***"CAROL DAVILA"*** **MEETING ROOMS**

08:00-09:00	**Registration & welcome coffee**
	Opening Ceremony and Plenary Sessions
09:00-09:30	Dr. eng Luminita ALBU; INCDTP-Division ICPI; Dr. eng Carmen GHITULEASA; INCDTP
09:30-10:00	**Special Session: 100 Years from the Great Union - Promoting Cultural Identity and Heritage** Key lecturer Dr. Octaviana MARINCAS ***Cultural Identity and Heritage - Romanian contribution to the European Culture***
10:00-10:30	Key lecturer Dr. eng Carmen GHITULEASA; INCDTP ***The Textile and Leather Industry - from Tradition to Sustainability through Research, Development and Innovation***
10:30-11:00	Key lecturer Dr. Prof. Gianmario MARTRA ***Beyond the shape and size control of nanoparticles:*** ***on the importance of the knowledge of surface property at a molecular level***
11:00-11:30	**Networking & Coffee break/Poster session**
	ORAL PRESENTATIONS
11:30-13:00	**SESSION 1: ADVANCED FUNCTIONAL MATERIALS & BIOMATERIALS** **Chairs – Dr. eng. ALBU Luminita, VALEIKA Virgilijus**
11:30-11:45	AY Emrah, DURAN Nizami **Investigation of the Antiviral activity of *Ficus Carica* l. *LATEX* against HSV-2**
11:45-12:00	DURAN Nizami, KAYA Durmus Alpaslan **Antifungal Activity of *Origanum Syriacum L.* Essential Oils against *Candida spp.***
12:00-12:15	DURAN NIZAMI, KAYA DURMUS ALPASLAN **Synergistic Activities of *Hypericum Perforatum L.* and *Glabridin* against Drug Resistant H. Pyloriisolates**
12:15-12:30	GUO Song, ZHIWEN Ding, PANG Xiaoyan, WENQI Wang, YUETAO Yin, GUANGQUN You **Study on the Functionalized Graphene Modified Waterborne Polyurethane Materials**
12:30-12:45	JANKAUSKAITĖ Virginija, LOZOVSKIS Povilas, VALEIKA Virgilijus, VITKAUSKIENĖ Astra **Graphene Oxide and Metal Particles Nanocomposites for Inhibition of Pathogenic Bacteria Strains**
12:45-13:00	HADDAD Sandra Samy George **The Status of Leather Supply Chain in Egypt: An Exploratory Study for the INNOLEA Project**
13:00 - 14:30	**Lunch break/Poster session 1**

Thursday, October 18th 2018

"MIHAIL KOGALNICEANU" MEETING ROOM

14:30-15:15	**SESSION 1: ADVANCED FUNCTIONAL MATERIALS & BIOMATERIALS (CONTINUED)** **Chairs - PANG Xiaoyan, KARAVANA Huseyin Ata**
14:30-14:45	LEAU Sorina-Alexandra, MARIN Stefania, COARA George, ALBU Luminita, CONSTANTINESCU Rodica Roxana, ALBU KAYA Madalina Georgiana, NEACSU Ionela-Andreea **Study of Wound-Dressing Materials Based on Collagen, Sodium Carboxymethylcellulose and Silver Nanoparticles used for their Antibacterial Activity in Burn Injuries**
14:45-15:00	ZENGIN Gokhan, AYAN Ebru Mavioglu, TEKIN Yunus Emre, ADIGUZEL ZENGIN Candas, BITLISLI Behzat Oral **The Wastes of Vine Stem and Turkish Red Pine as an Alternative Biosorbents for the Removal Leather Dyes**
15:00-15:15	ZHAO Qiuxia, MU Shengdong, LONG Yanru, LIU Xiong, GU Xiaowei, ZHOU Jin, CHEN Wuyong, GAIDAU Carmen, GU Haibin **Tannin-Inspired Hydrogels with Considerable Self-Healing and Adhesive Properties**
15:30-17:30	**SESSION 6 - MATERIALS PROCESSING AND PRODUCT MANUFACTURING** **Chairs - PANG Xiaoyan, KARAVANA Huseyin Ata**
15:30-15:45	AYANOĞLU Filiz, KAYA Durmus Alpaslan, BAHADIRLI Nadire Pelin **Effects of Planting Density and Harvesting Time on Leaf and Essential Oil Yield of Bay Laurel (*Laurus nobilis l.*) Cultured in Shrub Form**
15:45-16:00	BARA Adela, BANCIU Cristina, CHITANU Elena, MARINESCU Virgil, DOROGAN Angela, CARPUS Eftalea, GHITULEASA Carmen **Aspects Regarding Accomplishing Multilayered Filtration Media, using Electrospun Webs**
16:00-16:30	**Networking & Coffee break/Poster session 1**
16:30-16:45	BIRBIR Meral, CAGLAYAN Pınar **A Review on Catabolic Activity of Microorganisms in Leather Industry**
16:45-17:00	CHIRILA Adriana, IOVAN-DRAGOMIR Alina **Waterproof Process in Footwear Industry**
17:00-17:15	KLÜVER Enno, MEYER Michael **Application of Thiol Amino Acids in a Reductive Liming Process**
17:15-17:30	YAZICI Eda, BIRBIR Meral, CAGLAYAN Pınar **Phenotypic Characterization and Antibiotic Susceptibilities of *Ewingella Americana* and *Kluyvera Intermedia* Isolated from Soaked Hides and Skins**
19:00-23:00	**Gala Dinner – SOLE Restaurant**

Thursday, October 18th 2018

"CAROL DAVILA" MEETING ROOM

14:30-15:00	**SESSION 2 - NANOTECHNOLOGY AND NANOMATERIALS** **Chairs – KAYA Alpaslan, GU Haibin**
14:30-14:45	HADIMBU Emanuel, BADEA Elena, CARSOTE Cristina, SENDREA Claudiu, LUCRETIA Miu **Halloysite nanotubes as innovative consolidant for historical leather**
14:45-15:00	HANDELMAN Amir, APTER Boris, LAPSHINA Nadia, ROSENMAN Gil **Peptide Nanophotonics: Waveguides and Photonic Integrated Devices**
15:15-15:45	**SESSION 3 - EMERGING TECHNIQUES** **Chairs - KAYA Alpaslan, GU Haibin**
15:15-15:30	Luminita ALBU, Gheorghe BOSTACA, Dorel ACSINTE **Due Diligence for Healthy Workplaces in the European Tanning Industry**
15:30-15:45	Aura MIHAI, Bogdan SARGHIE **New Trends on Skills for Footwear Industry**
16:00-16:30	**Networking & Coffee break/Poster session 1**
16:30-17:15	**SESSION 4 - SMART MATERIALS** **Chairs - ZENGIN Gokhan, SONMEZ Maria**
16:30-16:45	DURAN Nizami, KAYA Durmus Alpaslan **Chemical Composition of Essential Oils from *Origanum Onites L.* and *Cymbopogon Citratus,* and their Synergistic Effects with Acyclovir against HSV-1**
16:45-17:00	KAYA Durmus Alpaslan, DURAN Nizami **The Antimicrobial Activities of *Myrtus Communis* and *Micromeria Fruticosa* Essential Oils**
17:00-17:15	ÖZTÜRK Şevket, DURAN Nizami **Antiproliferative Effects of *Origanum Syriacum L.* and *Myrtus Communis L.* on Human Colon Cancer Cell Line**
17:30-17:45	**SESSION 5 - MATERIALS ENGINEERING AND PERFORMANCE** **Chairs - ZENGIN Gokhan, SONMEZ Maria**
17:30-17:45	KARAVANA Huseyin Ata, ONEM Ersin, YORGANCIOGLU Ali, EFENDIOGLU ORK Nilay, ADIGUZEL ZENGIN Arife Candas, BITLISLI Behzat Oral **Comparative Study on the Light Fastness Properties of Different white Tanning Agents**
19:00-23:00	**Gala Dinner – SOLE Restaurant**

Friday, October 19th 2018

"MIHAIL KOGALNICEANU" & *"CAROL DAVILA"* MEETING ROOMS

08:30-09:00	**Registration & welcome coffee**
09:00-11:15	**SESSION 8 - MATERIALS CHARACTERIZATION** **Chairs - MIU Lucretia, SARGHIE Bogdan**
09:00-09:15	AYANOĞLU Filiz, TÜRKMEN Musa, KAYA Durmus Alpaslan **Essential Oil Components of Hypericum Hircinum subsp. Majus (Aiton) n. Robson Growing in Hatay (Turkey) Flora**
09:15-09:30	AYANOĞLU Hamit, AYANOĞLU Filiz **The Essential Oil Components of Musa Sage (*Salvia tigrina Hedge* & Hub.-Mor.)**
09:30-09:45	BAYRAMOĞLU Eser Eke, YILMAZ Sevim **World Raw Hides and Skins Exports and some Microbiologıcal Problems During Exportation**
09:45-10:00	CAGLAYAN Pınar, BIRBIR Meral, VENTOSA Antonio **A Survey Study to Detect Problems on Salted Hides and Skins**
10:00-10:15	DUMITRESCU Iuliana, CONSTANTINESCU Rodica Roxana, MITRAN Elena-Cornelia, PERDUM Elena, CHIRILA Laura, IORDACHE Ovidiu George, STEFANESCU Dana, PISLARU Mariana, MANCASI Iulian, SANDULACHE Mariana **Antibacterial and UV Protective Effects of Cotton Fabrics Dyed with Brasi–Color Extract**
10:15-10:30	KAYA Durmus Alpaslan, DURAN Nizami **Antifungal Activity of *Nigella Sativa* and *Thymbra Spicata L.* Essential Oils against *Tricophyton Rubrum***
10:30-11:00	**Networking & Coffee break/Poster session**
11:00-11:15	BAYRAKTAR Suphi, DURAN Nizami **Antimicrobial Efficacy of *Origanum Syriacum L.* and *Origanum Onites L.* Essential Oils against *Pseudomonas Aeruginosa* and their Effects on Biofilm Formation**
11:15-11:45	**SESSION 9 - NON-DESTRUCTIVE TESTING** **Chairs - dr. eng. MIU Lucretia, DURAN Nizami**
11:15-11:30	XHANARI Klodian, RAMOT Aljaž, PETOVAR Barbara, FINŠGAR Matjaž **In-Situ Modified Antimony-Film Glassy Carbon Electrode for Metal Trace Analysis**
11:30-11:45	XHANARI Klodian, ŠAŠEK Žan, PETOVAR Barbara, FINŠGAR Matjaž **Validation and Optimization of an In-Situ Copper-Modified Glassy Carbon Electrode**

Friday, October 19th 2018

"MIHAIL KOGALNICEANU" & *"CAROL DAVILA"* MEETING ROOMS

	ORAL PRESENTATIONS
11:45-12:45	**SESSION 10 - ADVANCED MATERIALS & SYSTEMS INNOVATION** **Chair - IOVAN-DRAGOMIR Alina, KAYA Alpaslan**
11:45-12:00	HASAN Özgünay, METE Mutlu Mehmet, CEREN Tosun Cemile, ÖZGÜR Demirci, ONUR Abali, YIGIT Kaman, TALIP Sepici **Pilot Scale Trials for Higher Exhausting Chromium Tanning**
12:00-12:15	HU Mingyu, HUANG Quting, XU Bo, CHEN Wuyong, WU Jianxin, ZHOU Jin **A Cloud System Utilized for Diabetic Foot Management**
12:15-12:30	HUANG Quting, HU Mingyu, XU Bo, CHEN Wuyong, WU Jianxin, ZHOU Jin **Center of Mass Movement of Preschooler During Obstacle-Crossing Walking**
12:30-12:45	YILMAZ Sevim **Design and Production of Unique Dress Collection for Summer from Kizilcaboluk "Peshtamal's" as a Part of Education**
12:45-13:45	*SPECIAL SESSION:* **TOWARDS A CIRCULAR ECONOMY** **Chair - IOVAN-DRAGOMIR Alina, Dr. Eng. DESELNICU Viorica**
12:45-13:00	AILENI Raluca Maria, RADULESCU Razvan, CHRIAC Laura, Lilioara Surdu **The Inventory of the Life Cycle for Textile Processes Involved in Obtaining Antistatic Surface**
13:00-13:15	AILENI Raluca Maria, RADULESCU Razvan, CHRIAC Laura **Life Cycle Inventory Analysis for Conductive Textile Based on Hydrophobic and Hydrophilic Surfaces**
13:15-13:30	LUCA Alexandra, SANCHEZ DOMENE David, ARAN AIS Francisca **Life Cycle Assessment of two Alternative End-Of-Life Scenarios for Leather Safety Shoes**
13:30-13:45	OZKAN Kilicarislan Cigdem, POURRASOUL SARDROUDI Sina, ADIGUZEL ZENGIN Arife Candas, ZENGIN Gokhan, KARAVANA Huseyin Ata, BITLISLI Behzat Oral **Utilization Possibilities of Timber Wastes in Leather Manufacturing**
13:45-14:00	Closing Ceremony
14:00-15:30	Lunch break

Saturday, October 20th 2018

08:30-19:00	Technical and Educational Tour (Optional) **Targoviste – The Royal Court & Brancoveanu Court of Potlogi**

Thursday, October 18th 2018 - POSTER SESSION 1

ADVANCED FUNCTIONAL MATERIALS & BIOMATERIALS

P1.1	ALEXANDRESCU Laurentia, SONMEZ Maria, GEORGESCU Mihai, STELESCU Maria Daniela, GURAU Dana **Antibacterial Polymeric Nanocomposites with Pet and TiO_2 Functionalized Nanoparticles with Application in Medical and Food Industry**
P1.2	ALEXANDRESCU Laurentia, SONMEZ Maria, GEORGESCU Mihai, FICAI Anton, TRUSCA Roxana, GURAU Dana, TUDOROIU Ligian **Polyamide/Polypropylene/Graphite Nanocomposites with Functional Compatibilizers**
P1.3	BERECHET Daniela, GAIDAU Carmen, NICULESCU Mihaela, STANCA Maria **The Influence of Alkaline Hydrolysis of Wool By-Products on the Characteristics of Keratin Hydrolysates**
P1.4	BOBIC Simona, CONSTANTIN Vlad Denis, ALBU KAYA Madalina Georgiana, MARIN Stefania, DANILA Elena, DIMITRIU Mihai, SOCEA Bogdan **Postoperative Peritoneal Adhesions Prophylaxy using Collagen-Based Biomaterials**
P1.5	CAPRARU Ovidiu, HERMAN Cosmin, LUNGU Bogdan, STANCULESCU Ioana **Application of Gamma Irradiation for the Functionalization of Textile Materials**
P1.6	CHIRILA Laura, POPESCU Alina, CHIRIAC Laura, CONSTANTINESCU Rodica Roxana, CHELARU Ciprian, MITRAN Elena-Cornelia, RASCOV Marian, PRICOP Floarea **Functional Finishing of Textiles Using Bioactive Agents Based on Natural Products**
P1.7	CONSTANTIN Vlad Denis, CARAP Alexandru, BOBIC Simona, BUDU Vlad, ALBU KAYA Madalina Georgiana, MARIN Stefania, MARIN Maria Minodora, SOCEA Bogdan **Tissue Engineering - Collagen Sponge Dressing for Chronic Wounds**
P1.8	DESELNICU Viorica, CHIRILA Corina **Antimicrobial Composition for the Protection of Leather, Furs and Leather Articles**
P1.9	DRAGHICI Roxana-Denisa, MARIN Maria Minodora, ALBU KAYA Madalina Georgiana, GHICA Mihaela Violeta, ANUTA Valentina, DINU-PIRVU Cristina, KAYA Durmus Alpaslan, COARA Gheorghe, ALBU Luminita, CHELARU Ciprian **Diclofenac Spongious Matrices Based on Collagen and Alginate for Relieving Injury Pains**
P1.10	FLOAREA Andrei Dan, DANILA Elena, CONSTANTINESCU Rodica Roxana, COARA Gheorghe, ALBU Luminita, KAYA Albu Madalina Georgiana, CHELARU Ciprian **Composite Scaffolds for Bone Regeneration Made of Collagen/Hydroxyapatite/Eeucalyptus Essential Oil**
P1.11	IORDACHE Ovidiu, PERDUM Elena, MITRAN Elena-Cornelia, CHIVU Andreea, DUMITRESCU Iuliana, FERDES Mariana, SANDULACHE Irina-Mariana **Novel Myco-Composite Material Obtained with *Fusarium Oxysporum***

Thursday, October 18th 2018 - POSTER SESSION 1

ADVANCED FUNCTIONAL MATERIALS & BIOMATERIALS

P1.12	MARIN Maria Minodora, MARIN Stefania, DANILA Elena, ALBU KAYA Madalina Georgiana, GHICA Mihaela Violeta, POPA Lacaramioara, PRISADA Razvan Mihai, COARA Gheorghe, CHELARU Ciprian **Influence of the Formulation and Preparation Technique on the Flufenamic Acid Release from Different Collagenic Supports Desgined for Wound Healing**
P1.13	NICULESCU Mihaela-Doina, GRZESIAK Edyta, GAIDAU Carmen, EPURE Doru Gabriel, SENDREA Claudiu, GIDEA Mihai **New Compositions with Crosslinked and Uncrosslinked Collagen Polydispersions for Systemic Treatments in Agriculture**
P1.14	PRICOP Floarea, CHIRILA Laura, POPESCU Alina, RASCOV Marian, SCARLAT Razvan **Study Regarding the Development of the Functional Textiles with Antimicrobial Properties**
P1.15	PRICOP Floarea, POPESCU Alina, RASCOV Marian, CHIRILA Laura, SCARLAT Razvan, BUZDUGAN Maria, CEREMPEI Angela, MURESAN Emil **Study on the Aroma-Therapeutic Effects of Textiles Functionalized by Herbal Extracts**
P1.16	STELESCU Maria Daniela, ALEXANDRESCU Laurentia, GEORGESCU Mihai, SONMEZ Maria, ZUGA Niculina, NITUICA Mihaela **Dynamic Vulcanized Thermoplastic Elastomers Based on Ethylene-Propylene Terpolymer and Polyethylene**
P1.17	STELESCU Maria Daniela, ALEXANDRESCU Laurentia, SONMEZ Maria, GEORGESCU Mihai, NITUICA Mihaela, GURAU Dana **Polymeric Composites Based on Plastified PVC and Zinc Oxide Nanoparticles**
P1.18	SONMEZ Maria, Ficai DENISA, FICAI Anton, OPREA Ovidiu, ARDELEAN Ioana Lavinia, TRUSCA Roxana, ALEXANDRESCU Laurentia, NITUICA Mihaela, STELESCU Maria Daniela, GEORGESCU Mihai, GURAU Dana **Identifying The Optimum Method For Modifying The Zinc Oxide Surface In Order To Obtain A High Deposit Degree Of The Functioning Agent**

NANOTECHNOLOGY AND NANOMATERIALS

P2.1	DEGHFEL Bahri, MAHROUG Abdelhafid, AMARI Rabie, BOUKHARI Ammar, BENTABET Abdelouhab **Experimental and First Principles Study of Structural, Electronic and Optical Properties of $Zn_{0.875}Mn_{0.125}O$ thin Film**
P2.2	MAHROUG Abdelhafid, AMARI Rabie, BOUKHARI Ammar, DEGHFEL Bahri **Studies on Structural, Surface Morphological, Optical, Luminescence and UV Photodetection Properties of Sol Gel Oxides Nanocomposites**
P2.3	REBBA Erica, ALBERTO Gabriele, IVANCHENKO Pavlo, BORDIGNON Simone, CHIEROTTI Michele Remo, PORCARO Rita, MARTRA Gianmario **Nanomaterials for Eco-Sustainable Waterproofing Leather Finishing**
P2.4	SIMION Demetra, GAIDAU Carmen, CHIRILA Corina, BERECHET Daniela, NICULESCU Mihaela-Doina, EPURE Doru Gabriel **New Structured Emulsions Based on Renewable Resources Generated by Leather and Fur Industry, with Application in Agriculture**

Thursday, October 18th 2018 - POSTER SESSION 1

	EMERGING TECHNIQUES
P3.1	Luminiţa ALBU, Viorica DESELNICU, Panaiyota VASSILEIOU, Dana Corina DESELNICU, Sahar EL BARKY, Fahmi Abu AL RUB, Fadel ALLAHADI, Ihab AL-GHABEISH, Desiree SCALIA, Lina TSAKALOU, Alcino MARTINHO, Virginija JANKAUSKAITE **INNOLEA - Innovation for the Leather Industry in Jordan and Egypt**
P3.2	Luminita ALBU, Alcino MARTINHO, Dimos PAPAKONSTANTINOU, Rosa Ana PÉREZ FRANCÉS, Małgorzata SIKORSKA, Desiree SCALIA, Carlos VAZ DE CARVALHO, Viorica DESELNICU **LEAMAN - Manager in an Efficient and Innovative Leather Company**
P3.3	POP Marlena, MANEA Ivona, ANDRONACHE Bianca **Cultural Identity in Product Design of Fashion Technology – Tools and Method**
P3.4	SALISTEAN Adrian, TOMA Doina, NICULESCU Claudia, OLARU Sabina **Equipments and Support Systems for Intervention in Emergency Situations - The Conceptual Scheme**
	MATERIALS ENGINEERING AND PERFORMANCE
P5.1	FOIASI Traian **Extensions of Footwear and Leather Goods Design in Day-To-Day Life**
P5.2	Olga NICULESCU, Gheorghe COARA, Ciprian CHELARU **New Products based on Essential Oils for Finishing Natural Leathers with Antifungal Performances – Part I**
P5.3	Olga NICULESCU, Gheorghe COARA, Ciprian CHELARU **New Products based on Essential Oils for Finishing Natural Leathers with Antifungal Performances – Part 2**

Friday, October 19th 2018 - POSTER SESSION 2

MATERIALS PROCESSING AND PRODUCT MANUFACTURING

P6.1	DOROGAN Angela, BURNICHI Floarea, CARPUS Eftalea, CONSTANTIN Petre **Agrotextile Systems - Strategic Development Elements for a Sustainable Agriculture**
P6.2	FERDINANDOV Nikolay Vasilev, GOSPODINOV Danail Dimitrov, ILIEVA Mariana Dimitrova, RADEV Rossen Hristov **Mechanical Properties of Arc Welded in Vacuum Ti-6Al-4V Alloy**
P6.3	FERDINANDOV Nikolay Vasilev, GOSPODINOV Danail Dimitrov, ILIEVA Mariana Dimitrova, RADEV Rossen Hristov **Structure and Pitting Corrosion of Ti-6Al-4V Alloy and Ti-6Al-4V Welds**
P6.4	GEORGESCU Mihai, ALEXANDRESCU Laurentia, NITUICA Mihaela, STELESCU Daniela, GURAU Dana **Polymeric Composites Based on Rigid PVC and Zinc Oxide Nanoparticles**
P6.5	KUCHERENKO Yelyzaveta, BUDASH Yurii, PLAVAN Viktoriia, HORBATENKO Maryna **Manufacturing and Properties of Nonwovens Based on Waste from Elastic Fibers**
P6.6	SONMEZ Maria, FICAI Denisa, FICAI Anton, OPREA Ovidiu, ARDELEAN Ioana Lavinia, TRUSCA Roxana, GHIZDAVET Zeno, ALEXANDRESCU Laurentia, NITUICA Mihaela, STELESCU Maria Daniela, GEORGESCU Mihai, GURAU Dana, DOINA Constantinescu **The Influence of EVA and PE-G-AM Compatibilizers on the Processability, Mechanical and Structural Properties of Recycled PET / HDPE Mix**
P6.7	TOMA Doina, POPESCU Alina, NICULESCU Claudia, POPESCU Georgeta, SALISTEAN Adrian, ISTRATE Marcel, BUZDUGAN Maria, RADU Marcela **Undergarment PPE with Modular Structure for Staff Working in the National Defense, Public Order and Security System**
P6.8	VASILESCU Ana-Maria, PANTAZI Mirela **Study of Center of Pressure (COP) in Gait Analysis of Elderly Women in Romania**
P6.9	VLASENKO Viktoriia, ARABULI SVITLANA, SMERTENKO Petro **Deposition of Metal – Nanoparticles in Textile Structure by Chemical Reduction Method for UV-Shielding**

MODELLING AND SIMULATION

P7.1	DURBACA Ion, DURBACA Adrian-Costin **Analysis with Finite Element of Layered Composite Structures Having Triangular Cellular Core**
P7.2	PANTAZI Mirela, VASILESCU Ana-Maria **Establishing Anthropometric Foot Sizes of the Male Population in Romania in Order to Develop an Original Romanian Standard**

MATERIALS CHARACTERIZATION

P8.1	DUMITRESCU Iuliana, CONSTANTINESCU Rodica Roxana, MITRAN Elena-Cornelia, PERDUM Elena, CHIRILA Laura, IORDACHE Ovidiu George, STEFANESCU Dana, PISLARU Mariana, MANCASI Iulian **Antibacterial and UV Protective Effects of Cotton Fabrics Dyed with Reseda Luteola Extract**
P8.2	FLORESCU Margareta-Stela, COARA Gheorghe **Evaluation of the Complexity of Research Projects by Multi-Criteral Decision Methodologies**

Friday, October 19th 2018 - POSTER SESSION 2

MATERIALS CHARACTERIZATION

P8.3	IORDACHE Ovidiu, DUMITRESCU Iuliana, CHELARU Ciprian, PERDUM Elena, MITRAN Elena-Cornelia, CHIVU Andreea, SANDULACHE Irina-Mariana **FT-IR Analysis of *Fusarium Oxysporum* Grown Myco-Composite**
P8.4	MITRAN Elena-Cornelia, RADU Gabriel-Lucian, PERDUM Elena, IORDACHE Ovidiu-George, SANDULACHE Irina-Mariana, CHIVU Ana-Maria Andreea **Patrimony Textile Materials Short Characterization**
P8.5	PERDUM Elena, DUMITRESCU Iuliana, MITRAN Cornelia-Elena, SANDULACHE Irina-Mariana, IORDACHE Ovidiu George **Synthetic Pyrethroids Determination from Functionalized Textile Materials – PERMETHRIN**
P8.6	ROSU Marcela-Corina, COROS Maria, PORAV Alin-Sebastian, TURZA Alexandru, CHIRILA Laura, GAIDAU CARMEN, TIMPU Daniel, MATEESCU Alice-Ortansa, STANCULESCU Ioana-Rodica **Self-cleaning properties of cotton gauzes impregnated with calcium alginate/ TiO_2-Ag/reduced graphene oxide composite**
P8.7	SANDULACHE Irina-Mariana, MITRAN Cornelia-Elena, PERDUM Elena, IORDACHE Ovidiu George, CHIVU Ana-Maria Andreea **Physical and Chemical Assessment of a Patrimony Sample**
P8.8	VALEIKA Virgilijus, JANKAUSKAITĖ Virginija, BELEŠKA Kęstutis, VALEIKIENĖ Violeta **Biodegradability of Hair as a Waste of Leather Industry**

ADVANCED MATERIALS & SYSTEMS INNOVATION

P10.1	CONSTANTINESCU Rodica Roxana, ZAINESCU Gabriel, BOSTACA Gheorghe **Biotechnology for Obtaining A Retanning Agent From Fleshings**
P10.2	HERMAN Cosmin, CAPRARU Ovidiu, LUNGU Bogdan, STANCULESCU Ioana **Treatment and Processing of Leather Materials Using Gamma Radiation**
P10.3	ZAINESCU Gabriel, DESELNICU Viorica, DESELNICU Dana Corina, PANG Xiaoyan, ALBU Luminita, CONSTANTINESCU Rodica Roxana **Utilization of Sludge from Leather Tanning Residual Baths as Additive in Mortars**
P10.4	MILITARU Gheorghe, DESELNICU Dana Corina, COSTEA-MARCU Iustina-Cristina **Using a Software Application Tool to Improve Marketing Activities**

TOWARDS A CIRCULAR ECONOMY

P11.1	DESELNICU Dana Corina, MILITARU Gheorghe, DESELNICU Viorica, ZAINESCU Gabriel, ALBU Luminita **Sustainable Development in the Frame of the 7th Environment Action Programme**
P11.2	DESELNICU Dana Corina, MILITARU Gheorghe, DESELNICU Viorica, ZAINESCU Gabriel, ALBU Luminita **Towards a Circular Economy– A Zero Waste Programme for Europe**
P11.3	DESELNICU Viorica, ZAINESCU Gabriel, ALBU Luminita, DESELNICU Dana Corina, MILITARU Gheorghe, PANG Xiaoyan **Circular Economy – An Innovative and Creative Production Model**
P11.4	OLARU Sabina, GROSU Cătălin, CĂRPUŞ Eftalea, GHIŢULEASA Carmen **Portal of Clusters and Competitiveness Poles in the Textile-Clothing Sector**
P11.5	ZAINESCU Gabriel, DESELNICU Viorica, CONSTANTINESCU Rodica Roxana **Composite Structures Containing Leather Fibers with Applications in Constructions Industry**

Co-funded by the Erasmus+ Programme of the European Union

Exploratory Workshop - INNOLEA
Innovation for the Leather Industry in Jordan and Egypt

"ION MINCU 1" MEETING ROOM

Thursday, October 18th 2018

Chairs – Prof. Panaiyota VASSILEIOU, Dr. Dimosthenis PAPAKONSTANTINOU

14:30-14:45	**Registration**
14:45-15:00	Welcome by Coordinator (NTUA, GR) and Host (ICPI, RO) Organisations
15:00-15:30	**WP1**: Research and state of the art - WP leader **JUST, JO**
15:30-16:00	**WP2: Capacity building and setting up of leather centres** - WP leader **UPB, RO**
16:00-16:30	Coffee Break
16:30-17:00	**WP3: Quality and evaluation** - WP leader **CRETHIDEV, GR**
17:00-17:30	Summary of the day-discussions
17:30	**Closure of the meeting Day 1**

Friday, October 19th 2018

Chairs – Dr. eng. Viorica DESELNICU, Dr. Alcino MARTINHO

08:30-09:00	**Welcome to Day 2, Registration**
09:00-09:45	**WP4: Dissemination and Exploitation** - WP leader **CIAPE**
09:45-10:30	**WP5: Project Management and Coordination** - WP leader **NTUA**
10:30-11:00	Coffee break
11:00-12:00	Steering Committee Meeting
12:00-13:00	Progress Summary
13:00-13:45	**Conclusions & Closure of Meeting Day 2**
13:45-14:00	Closing Ceremony ICAMS 2018
14:00-15:30	Lunch Break
15:30-17:00	Visit in INCDTP-ICPI

INCDTP-ICPI Premises

Saturday, October 20th 2018

Chairs – Dr. Dana Corina DESELNICU, Dr. eng. Luminita ALBU

10:00-10:10	**Welcome to Day 3, Registration**
10:10-12:30	**Management meeting**
12:30-13:00	**Any other business**
13:00-13:15	**Closure of the meeting**

Thursday, October 18th 2018

Workshop - InSuLA

Manunet Project:
Innovative materials and technologies for sustainable leather manufacturing for automotive

***"PACHE PROTOPOPESCU"* MEETING ROOM**
Chair – BADEA Elena

	ORAL PRESENTATIONS
14:30-15:00	**Dr. Elena Badea** – *INCDTP, ICPI Division, Bucharest, Romania* **Presentation of the InSuLa project - Project background, Aim&Objectives** *The achievements of the Romanian partners so far*
15:00-15:10	**Dr. Mariana Popescu** – *S.C. PIELOREX S.A, Romania* **InSuLa project progress at PIELOREX S.A. partner** *Elaboration and experimentation of frame for wet white tanning technology for automotive*
15:10-15:20	**Dr. Marian Crudu** – *INCDTP, ICPI Division, Bucharest, Romania* **InSuLa project progress at INCDTP-ICPI partner** *Oxidized sodium alginate preparation and testing its tanning capacity*
15:20-15:30	**Prof. Gianmario Martra** – *University of Turin, Italy* **InSuLa project progress at UNITO partner** *Physical-chemical characterization of commercial nanoTiO_2 and nanoSiO_2 of interest for InSuLa*
15:30-15:40	**Chem. Rita Porcaro** – *Kemia Tau, Italy* **InSuLa project progress at Kemia Tau partner** *The achievements of Kemia Tau so far*
15:40-16:00	All participants **Discussions & Conclusions**

Thursday, October 18th 2018

Erasmus+

National Event – FIT2COMFORT

Skills Alliance for Confort & Healthy Footwear Manufacturing

***"PACHE PROTOPOPESCU"* MEETING ROOM**

Chairs - Lecturer Dr. eng. Bogdan SARGHIE; Dr.eng. Ana Maria VASILESCU

16:00-16:45	**Welcome coffee and Registration of participants**
16:45-17:00	**Opening and addresses** **Lecturer Dr. eng. Bogdan SARGHIE**, *„Gh.Asachi" Technical University, Iasi, Romania* **Dr.eng. Ana Maria VASILESCU,** *INCDTP – Division ICPI, Bucharest, Romania*
17:00-17:30	**FIT2COMFORT – Project presentation** Aims – Objectives – Results **Lecturer Dr. eng. Bogdan SARGHIE**, *„Gh.Asachi" Technical University, Iasi, Romania*
17:30-17:45	**FIT2COMFORT – Romanian Contribution** **Dr.eng. Ana Maria VASILESCU**, *INCDTP – Division ICPI, Bucharest, Romania*
17:45-18:00	**New skills for the footwear & leather industry - Exchange of good practices** **Lecturer Dr. eng. Bogdan SARGHIE,** *„Gh.Asachi" Technical University, Iasi, Romania* **Dr.eng. Luminita ALBU,** *INCDTP – Division ICPI, Bucharest, Romania*
18:00-18:20	**Discussions & Conclusions** All participants
18:20	Closure of the meeting

Friday, October 19th 2018

Erasmus+

Multiplier Event – LEAMAN

Manager in an Efficient and Innovative Leather Company

***"PACHE PROTOPOPESCU"* MEETING ROOM**

Chairs - Dr.eng. Luminita ALBU; Lecturer Dr. eng. Bogdan SARGHIE

08:30-09:00	**Welcome coffee and Registration of participants**
09:00-09:15	**Opening and addresses** **Dr.eng. Luminita ALBU**, *INCDTP – Division ICPI, Bucharest, Romania* ***Lecturer* Dr. eng. Bogdan SARGHIE**, *„Gh.Asachi" Technical University, Iasi, Romania*
09:15-09:45	**Presentation of LEAMAN Project** Aims – Objectives – Results **Dr.eng. Luminita ALBU**, *INCDTP – Division ICPI, Bucharest, Romania*
09:45-10:15	**LEAMAN – Main outputs and Romanian contribution** **Dr.eng. Viorica DESELNICU**, *INCDTP – Division ICPI, Bucharest, Romania*
10:15-10:45	New skills for the leather & footwear industry - Exchange of good practices **Dr.eng. Luminita ALBU**, *INCDTP – Division ICPI, Bucharest, Romania* **Lecturer Dr. eng. Bogdan SARGHIE**, *„Gh.Asachi" Technical University, Iasi, Romania*
10:45-11:00	**Discussions & Conclusions** All participants
11:00	Closure of the event