

The 5th International Conference on Advanced Materials and Systems,
23rd – 25th of October, 2014, Bucharest, Romania

PROGRAMME OF THE 5th INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS AND SYSTEMS

Organized by:



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Bucharest, ROMANIA
23rd – 25th October, 2014

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SHORT PROGRAM

Thursday, October 23rd	Athenee Palace Hilton Hotel Le Diplomate Ballroom	
	08:00-09:30	Registration
	09:30-10:00	Opening Ceremony
	10:00-11:00	Plenary lectures
	11:00-11:30	Coffee break/Poster session
	11:30-13:00	Oral presentations
	13:00-14:00	Lunch break/Poster session
	14:00-16:00	"Leather is my Job!" Project - Final Event
	16:00-16:30	Coffee break/Poster session
	16:30-18:00	Oral presentations
	19:00-23:00	Gala Dinner (Burebista restaurant)
Friday, October 24th	Athenee Palace Hilton Hotel Regina Maria I & II Meeting Rooms	
	09:00-10:30	Oral presentations - Parallel sessions
	10:30-11:00	Coffee break/Poster session
	11:00-13:00	Oral presentations - Parallel sessions
	13:00-13:30	Closing Ceremony – Regina Maria Meeting Room
	13:30-14:30	Lunch break
	Athenee Palace Hilton Hotel Duliu Marcu Meeting Room	
	09:00-10:30	COTANCE Council
	10:30-11:00	Coffee break
	11:00-13:00	COTANCE Council
	13:30-14:30	Lunch break
14:30-17:00	Project meeting PEF - Leather	
Saturday, October 25th	08:00-22:00	Technical and Educational Tour – Sinaia/ Azuga/ Busteni (Optional)

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Thursday, October 23rd 2014	
Athenee Palace Hilton Hotel Le Diplomate Ballroom	
08:00-09:30	Registration
09:30-10:00	Opening Ceremony
10:00-11:00	PLENARY LECTURES Prof. Dr.rer.nat. Marius ENACHESCU CARBON NANO-TUBES, CARBON NANO-ONIONS AND GRAPHENE: SYNTHESIS AND CHARACTERIZATION Prof. Dr. Veronique LARRETA-GARDE <i>et. al.</i> NEW FIBRIN-POLYMER INTERPENETRATING NETWORKS: A POTENTIAL SUPPORT FOR HUMAN SKIN CONSTRUCT
11:00-11:30	Coffee break/ Poster session - Materials
ORAL PRESENTATIONS	
11:30-12:20	SESSION 1 - MATERIALS
Thursday, October 23rd 2014 11:30-12:20	CHAIRMEN - Dr. Lumini a ALBU and Prof. Dr. Gurbuz GULUMSER Saad Omar ALSHARIF, Hazizan Md AKIL, Zainal Arifin AHMAD INFLUENCE OF SILICA MICRO-PARTICLES LOADING ON THE FLEXURAL PROPERTIES OF DENTAL RESIN COMPOSITES Jorge I. FAJARDO, Gustavo SUAREZ, Luis Javier CRUZ, Luis GARZÓN, Luis Marcelo LÓPEZ CHARACTERIZATION OF THE STATE PLANAR ORIENTATION FOR SHORT NATURAL FIBER IN POLYMERIC COMPOSITES BY MEANS OF THE TENSOR ORIENTATION Luis GARZÓN, Luis Marcelo LÓPEZ, Jorge Fajardo SEMINARIO, Robin ZULUAGA, Santiago BETANCOURT, Piedad GAÑAN, Luis Javier CRUZ A NEW NATURAL FIBER: TOQUILLA STRAW A POTENTIAL REINFORCEMENT IN THERMOPLASTIC POLYMER COMPOSITES

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	<p>Ilhan GUN, Mehmet Mete MUTLU, Candas ADIGUZEL ZENGIN, Sumer GOKHAN, Seydim Zeynep BANU, Gokhan ZENGIN DETERMINATION OF SKIN PROPERTIES IN DIFFERENT TYPE, GENDER AND AGE USED FOR RIPENING OF CHEESE</p> <p>Bo TENG, Xiaoyun JIAN, Jinwei ZHANG, Wuyong CHEN, Yinghong WANG PERFORMANCES OF A POLYSILICON BYPRODUCT-SILICON TETRACHLORIDE ON WET BLUE PREPARATION</p> <p>Jinwei ZHANG, Fan CHENG, Zhengwu AI, Wuyong CHEN THE APPLICATION OF A PHOSPHORUS-NITROGEN FLAME RETARDANT RETANNING AGENT</p>
12:20-13:30	<p>SESSION 3 - SYSTEMS AND TECHNOLOGIES</p> <p>CHAIRMEN - Dr. Carmen GAIDAU and Prof. Dr. Basaran BAHRI</p>
<p>Thursday, October 23rd 2014</p> <p>12:20-13:30</p>	<p>Raluca Maria AILENI, Lilioara SURDU MATHEMATICAL MODELING OF PLASMA PARAMETERS PROCESSES FOR MULTIFUNCTIONAL TEXTILE</p> <p>Raluca Maria AILENI, Lilioara SURDU MEDICAL TEXTILE MULTIFUNCTIONALIZATION BY USING PLASMA TREATMENT</p> <p>Vayos G. KARAYANNIS, Angeliki K. MOUTSATSOU, Asimina E. DOMOPOULOU, Eleni L. KATSIKA INNOVATIVE PROCESSING OF LIGNITE COMBUSTION ASHES TOWARDS CERAMICS SYNTHESIS</p> <p>Panagiotis PAPAGIANNIS, Zoi KOUTKALAKI, Philip AZARIADIS FOOTWEAR PLANTAR MECHANICAL COMFORT: PHYSICAL MEASURES AND MODERN APPROACHES TO THEIR APPROXIMATION</p>
13:00-14:00	Lunch break/Poster session - Systems and Technologies
14:00-16:00	"Leather is my Job!" Project - Final Event
16:00-16:30	Coffee break/Poster session - Biomaterials

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SESSION 2 – BIOMATERIALS
CHAIRMEN - Dr. M dalina Georgiana ALBU
Dr. Durmu Alpaslan KAYA

Vlad Denis CONSTANTIN, Bogdan SOCEA, Alexandru CARÂP,
Alexandru CIUDIN, Gheorghe POPESCU, Madalina ALBU
BIOCOMPATIBILITY - REVOLVING ISSUE FOR
BIOMATERIALS IN CONTAMINATED FIELDS: NOVEL
THERAPEUTIC SOLUTIONS FOR COMPLICATED
INCISIONAL HERNIAS

Xialian FAN, Na LI, Keyong TANG, Madalina Georgiana ALBU
NANO-TIO₂ HYDROSOL / COLLAGEN-CHITOSAN
COMPOSITE SCAFFOLD FOR WOUND REPAIRING

Mihaela Violeta GHICA, Durmu Alpaslan KAYA, Madalina
Georgiana ALBU, Lacramioara POPA, Cristina DINU-PIRVU,
Ioan CRISTESCU, Denisa Ioana UDEANU
IBUPROFEN-COLLAGEN SPONGES FOR WOUND HEALING

Ting GUO, Fang WANG, Keyong TANG, Mihaela Violeta
GHICA
PREPARATION AND CONTROLLED DRUG RELEASE OF
SODIUM ALGINATE/MCC HYDROGEL BEADS

Xichan HE, Fang WANG, Keyong TANG, Madalina Georgiana
ALBU
A NOVEL COLLAGEN / HYDROXYAPATITE /
MICROCRYSTALLINE CELLULOSE COMPOSITE FOR
BONE TISSUE ENGINEERING

Wei TIAN, Ying PEI, Fang WANG, Keyong TANG, Madalina
Georgiana ALBU, Mihaela Violeta GHICA
SWELLING AND DRUG RELEASE OF POLY(VINYL
ALCOHOL)/GELATIN COMPOSITE HYDROGEL

Viktoriiia PLAVAN, Maksym KOLIADA, Wuoyng CHEN,
Viacheslav BARSUKOV
EXTRACTION OF COLLAGEN FROM FISH WASTE AND
DETERMINATION OF ITS AMINO ACID COMPOSITION

Thursday, October 23rd 2014

16:30-18:00

19:00-23:00

GALA DINNER (Burebista restaurant)

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Friday, October 24th 2014

**Athenee Palace Hilton Hotel
Regina Maria I Meeting Room**

ORAL PRESENTATIONS

09:00-09:20	SESSION 2 – BIOMATERIALS
Friday, October 24th 2014 09:00-09:20	<p>CHAIRMEN - Dr. Mihaela Violeta GHICA and Dr. Ioannis IOANNIDIS</p> <p>Xichan HE, Tingting YAN, Keyong TANG, Madalina Georgiana ALBU, Mihaela Violeta GHICA A NOVEL BONE SCAFFOLD MATERIAL BASED ON COLLAGEN/HYDROXYAPATITE/GELATIN COMPOSITE</p> <p>Alexandra PICA, Cornelia GURAN, Denisa FICAI, Anton FICAI, Cezar COMANESCU, Florica DUMITRU THE INFLUENCE OF SILVER NANOPARTICLES ON THE SURFACE MORPHOLOGY OF FILM-FORMING MATERIALS AND THEIR ANTIMICROBIAL EFFICIENCY</p>
09:20-10:30	SESSION 5 - CULTURAL HERITAGE
Friday, October 24th 2014 09:20-10:30	<p>CHAIRMEN: Dr. Lucretia MIU and Dr. Eleonore IZQUIERDO</p> <p>Eleonore IZQUIERDO, Laurianne ROBINET, Michel BOISSIERE, Bertrand LAVEDRINE, Veronique LARRETAGARDE CHARACTERIZATION OF THE EFFECT OF HEAT ON VEGETABLE TANNED LEATHER AND RESTORATION TRIALS THROUGH ENZYMATIC PROCESSES</p> <p>Ion Bogdan LUNGU, Valentin Ioan MOISE, Mihalios CUTRUBINIS, Ioana Rodica STANCULESCU STUDY ON MECHANICAL PROPRIETIES OF GAMMA IRRADIATED LEATHER AND PARCHMENT</p>

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	<p>Oana Andreea MIU, Elena BADEA, Cristina CAR OTE, Silviu CIOBANU AUTOMATIC DETECTION OF COLLAGEN FIBRES SHRINKAGE ACTIVITY USING - FILTERING</p> <p>Yanping GAO, Shuang YANG, Jinwei ZHANG, Lucretia MIU, Carmen GAIDAU, Wuyong CHEN EFFECT OF ACID RAIN ON VEGETABLE TANNED LEATHER</p>
10:30-11:00	Coffee break/Poster session- Environment, Cultural Heritage, Innovation, Quality Management and Competitiveness
11:00-13:00	<p>SESSION 7 - QUALITY MANAGEMENT AND COMPETITIVENESS</p> <p>CHAIRMEN: Dr. Dana Corina DESELNICU and Assoc. Prof. Dr. Mutlu Mehmet METE</p>
<p align="center">Friday, October 24th 2014</p> <p align="center">11:00-13:00</p>	<p>Ion DURBAC , Rodica ST NESCU- DUMITRU NEW APPROACH RELATED TO THE EMERGING RISKS GENERATED IN THE OCCUPATIONAL ENVIRONMENT IN THE PROCESS INDUSTRIES</p> <p>Elena FLEAC , Bogdan FLEAC , Florin D N LACHE A THEORETICAL INSIGHT INTO THE BUSINESS PROCESSES FRAMEWORK</p> <p>Cristian GRUBER, Nicoleta TRANDAFIR, Laura CISMA , Constantin Dan DUMITRESCU ANALYSIS OF ERRORS IN THE MANUFACTURING USING DESIGN FOR SIX SIGMA. (DFSS)</p> <p>Cristian GRUBER, Nicoleta TRANDAFIR, Laura CISMA , Nicolae ISTRAT ASPECTS OF RISK MANAGEMENT AT COMPANY LEVEL</p>

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Friday, October 24th 2014 11:00-13:00	Adrian-Bogdan HANCHEVICI, Sergiu-Adrian GUTA ADAPTIVE MULTI-AGENT CONTROL OF LEATHER MANUFACTURING PROCESSES BY USING SMITH PREDICTOR Eugen NEAGOE, Sergiu-Adrian GUTA ENERGY EFFICIENCY THROUGH MULTI-AGENTS ADAPTIVE MICROMANAGEMENT Olena PALYVODA, Viktoriia LISCHUK, Viktoriia PLAVAN COMPETITIVENESS MANAGEMENT OF LEATHER COMPANIES: A CLUSTER APPROACH
	13:00-13:30 Closing Ceremony – Regina Maria Meeting Room I
	13:30-14:30 Lunch break

	Friday, October 24th 2014
	Athenee Palace Hilton Hotel Regina Maria II Meeting Room
Friday, October 24th 2014 09:00-10:30	<p align="center"> SESSION 4 - ENVIRONMENT CHAIRMEN: Dr. Viorica DESELNICU and Prof. Dr. Sengoda Gounder RAJAMANI </p> <p> Alina EFTENE, Sorin MATEI, Gabi-Mirela MATEI, Daniela R DUCU INFLUENCE OF LAND USE ON MICROBIOLOGICAL ACTIVITY OF SANDY SOILS Adrian-Bogdan HANCHEVICI, Lumina ALBU, Gabriela Macovescu, Gheorghe COAR , Mariana POPESCU, Elena BUCUR POLLUTANTS MINIMISATION AND INNOVATIVE MONITORING TECHNIQUES TOWARD A SUSTAINABLE LEATHER INDUSTRY Cristian ENACHE-PREOTEASA HILIC FOR CONVENIENT ANALYSES OF POLAR PESTICIDES </p>

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	<p>Mohamed GALAL AWAD ELTARABILY, Abdelazim M. NEGM MODELING THE MOVEMENT OF NITRATES THROUGH THE SANDY SOIL CONSIDERING HOMOGENOUS SOIL PROFILE</p> <p>Vayos G. KARAYANNIS EXTRUDED AND SINTERED CLAY CERAMICS CONTAINING STEEL-MAKING DUST</p> <p>Maria Angeles PÉREZ-LIMIÑANA, Maria Jose ESCOTO- PALACIOS, MIGUEL ANGEL Martínez-sánchez, JOAQUIN Ferrer-Palacios, FRANCISCA ARÁN-AÍS, CESAR ORGILÉS- BARCELÓ RECOVERY OF TANNERY WASTES FOR FUNCTIONAL MICROENCAPSULATED PRODUCTS</p> <p>Sengoda Gounder RAJAMANI GROWTH OF LEATHER SECTOR IN ASIAN COUNTRIES AND RECENT ENVIRONMENTAL DEVELOPMENTS IN WORLD LEATHER SECTOR</p> <p>Mustafa Y PEL, Mustafa CELLAT, Fulya Altinok YIPEL BLOOD LEAD CONCENTRATIONS OF HORSES AND DONKEYS IN THE VICINITY OF HEAVILY POLLUTED RIVER BY INTENSIVE INDUSTRY IN SOUTHEASTERN TURKEY</p>
10:30-11:00	Coffee break/Poster session

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Friday, October 24th 2014 11:00-13:00	<p>SESSION 6 – INNOVATION CHAIRMEN: Daniel PETCU and Dr. Hüseyin Ata KARAVANA</p>
	<p>Mariana COSTEA, Aura MIHAI A MODERN APPLICATION FOR CUSTOMIZED FOOTWEAR DESIGN</p>
	<p>Ion DURBAC , Adrian-Costin DURBAC PROCEDURAL ASPECTS ON THE APPLICATION MAINTENANCE CONCEPT BASED RISK AND RELIABILITY CENTERED IN THE CASE ASSESSMENT STRUCTURAL INTEGRITY OF EQUIPMENTS FOR INDUSTRIAL PROCESSES</p>
	<p>Elena FLEAC , Bogdan FLEAC , Florin D N LACHE, ANDREEA DUMITRESCU ENHANCING THE ECO- INNOVATION CONCEPT IN LEATHER INDUSTRY BY CAPITALIZING THE PROCESS MODELING THINKING</p>
	<p>Aura MIHAI, Mariana COSTEA, Bogdan SÂRGHIE CREATIVE TRANSFER OF COMPETENCE IN 3D FOOTWEAR CAD</p>
	<p>R zvan SCARLAT, Eftalea C RPU , Detlef BONFERT, Alexandra ENE, Carmen MIHAI, Emilia VISILEANU, Alexandru POPA RESEARCH REGARDING ESD GARMENTS DEVELOPMENT</p>
13:00-13:30	Closing Ceremony – Regina Maria Meeting Room I
13:30-14:30	Lunch break

Thursday, October 23rd 2014

POSTER SESSIONS

SESSION 1 - MATERIALS

Laurentia ALEXANDRESCU, Maria SONMEZ, Mihai GEORGESCU, Mihaela NITUICA, Dana GURAU, Zenovia MOLDOVAN

INFLUENCE OF PARTICLE SIZE AND PHASE DISTRIBUTION ON ADHESION OF ADHESIVE DISPERSIONS BASED ON POLYCHLOROPRENE GRAFTED WITH MMA

Corina CHIRILA, Marian CRUDU, Viorica DESELNICU

STUDY REGARDING THE RESISTANCE TO THE GROWTH OF FUNGI OF WET-WHITE LEATHER TANNED WITH TITANIUM – ALUMINUM

Corina CHIRILA, Viorica DESELNICU, Marian CRUDU

STUDY REGARDING THE RESISTANCE OF WET-WHITE LEATHER ORGANIC TANNED TO THE GROWTH OF FUNGI

Mihai GEORGESCU, Mihaela NI UIC , Maria SÖNMEZ, Lauren ia ALEXANDRESCU, Dana GUR U, Ion Ovidiu VASILESCU

HYBRID PE/PA/NANOPARTICLE COMPOSITES RESISTANT TO HIGH TEMPERATURES

Madalina IGNAT, Aurora PETICA, Carmen GAIDAU, Liana ANICAI, Stefania COSOVICI, Madalina POPESCU, Roxana PITICESCU, Marcel IONESCU
NANOMATERIALS FOR LEATHER SURFACE FUNCTIONALISATION

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Xiaoyun JIAN, Bo TENG, Jinwei ZHANG, Yanping GAO, Wuyong CHEN
PREPARATION AND APPLICATION OF SODIUM SILICATE COMPOUND SWELLING AGENT

Vlad LUP TEANU, Nicolae RANU, Raluca HOHAN, Paul CIOBANU
OFF-AXIS MECHANICAL PROPERTIES OF FRP COMPOSITES

Elena MANAILA, Gabriela CRACIUN, Daniel IGHIGEANU, Daniela Maria STELESCU
SYNTHESIS AND SWELLING PROPERTIES OF POLY[ACRYLAMIDE-co-ACRYLIC ACID] SUPERABSORBENTS OBTAINED BY ELECTRON BEAM IRRADIATION

Olga NICULESCU, Zenovia MOLDOVAN, Ana Maria MOCIOIU, Dana GURAU, Dana Corina DESELNICU
NEW PIGMENT PASTE FOR LEATHER FINISHING

Mihaela NITUICA, Maria SONMEZ, Mihai GEORGESCU, Laurentia ALEXANDRESCU, Dana GURAU, Aurelia MEGHEA, Maria Daniela STELESCU, Ion Ovidiu VASILESCU
POLYMERIC NANOSTRUCTURES BASED ON POLYOLEFINS AND RUBBER FOR THE FOOTWEAR INDUSTRY

Mihaela NITUICA, Maria Daniela STELESCU, Elena MANAILA, Niculina ZUGA, Aurelia MEGHEA
THE EFFECT OF FILLER ON CHARACTERISTICS OF SOME ETHYLENE VINYL ACETATE COPOLYMER COMPOSITES

Ionut Ovidiu TOMA, Oana Mihaela BANU, Rares George TARAN, Mihai BUDESCU, Nicolae TARANU
COMPLETE CHARACTERISITC CURVE OF CONCRETE AND RUBBERIZED CONCRETE

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Ioana OLTEANU, Mihai BUDESCU, Vi du Ionel IFTODE
FLEXYBRICK – REVOLUTIONARY SOLUTION FOR POLYURETHANE APPLICATION

Maria SÖNMEZ, Mihaela NITUICA, Mihai GEORGESCU, Laurentia ALEXANDRESCU, Dana GURAU, Denisa FICAI FICAI, Anton FICAI, Ion Ovidiu VASILESCU
INFLUENCE OF COUPLING AGENTS ON THE POLYMERIC MATERIAL / DISPERSE MATERIAL INTERFACE

George TARANU, Mihai BUDESCU, Septimiu George LUCA, Cristian PASTIA, Ionut Ovidiu TOMA, Vitalie FLOREA, Raluca PLESU-STROESCU
MECHANICAL BEHAVIOR OF A THIN LAYER GLASS FIBER STRENGTHENED OLD MASONRY

George TARANU, Septimiu LUCA, Mihai BUDESCU, IONUT Ovidiu TOMA, Vitalie FLOREA, Cristian PASTIA
EXPERIMENTAL TESTS AND FINITE ELEMENT MODELLING OF GLASS FIBER REINFORCED MINERAL MATRIX COMPOSITES

Ionut Ovidiu TOMA, Mihai Budescu, Ana Maria TOMA, Cristian PASTIA, George TARANU, Septimiu George LUCA
ELASTIC PROPERTIES OF MINERAL MATRICES WITH HIGH CONTENT OF ENVIRONMENTALLY SUSTAINABLE BINDER

Claudia NICULESCU, Carmen GHITULEASA, Iuliana DUMITRESCU, Ana-Maria MOCIOIU, Roxana PITICESCU, Mirela PETRICEANU, Cristian BOGDANESCU, Arcadie SOBETKII, Cristina Serano SELVA
NANOPARTICLES AND DEPOSITION METHOD FOR PHOTOCATALYTIC TEXTILES AND DURABLE WOOD

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SESSION 2 - BIOMATERIALS

Thursday, October 23rd 2014

Mihaela-Doina NICULESCU, Carmen GAIDAU,
Madalina IGNAT, Doru Gabriel EPURE
COLLAGEN POLYDISPERSIONS WITH SPECIFIC
PROPERTIES FOR SEEDS TREATMENT

Durmu Alpaslan KAYA, Selin SAYIN, Mariana
FERDES, Madalina Georgiana ALBU, Nurdan ÜNAL,
Musa TÜRKMEN, evket ÖZTÜRK, Rodica-Roxana
CONSTANTINESCU, Mihaela Violeta GHICA
THE INFLUENCE OF MARINE ALGAE AND
NATURAL PLANT OILS ON COLLAGEN-BASED
CREAM PROPERTIES

Nizami DURAN, Gülay Gülbol DURAN, Durmu
Alpaslan KAYA, Filiz AYANOGLU, Hamit
AYANOGLU, Madalina Georgiana ALBU, Zina
VULUGA
ANTIBACTERIAL ACTIVITIES OF SELECTED
MEDICINAL PLANTS AGAINST MRSA STRAINS
ISOLATED FROM SURGICAL WOUND
INFECTIONS

N ZAM Duran, Gülay Gülbol DURAN, Durmu
Alpaslan KAYA, Kemal JENEDI, evket ÖZTÜRK,
Madalina Georgiana ALBU, Zina VULUGA
NOVEL ANTICANCER COMPOUNDS OF
PROPOLIS AGAINST THREE DIFFERENT CANCER
TYPES

Gülay Gülbol DURAN, Nizami DURAN, Hayal
ASLAN, Kemal JENED , Ahmet MERT, Burcu C PER,
Ipek BOYAC G L
ANTIBACTERIAL ACTIVITY OF GLYCYRRHIZIC
ACID AGAINST MULTI DRUG RESISTANT
BACTERIA AND FUNGUS

Dmitriy SHALBUEV, Elena ZHARNIKOVA, Vera
RADNAEVA
MATHEMATICAL MODELS OF COLLAGEN
STRUCTURE DISORDERING BY CULTURED MILK
COMPOSITIONS

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Dmitriy SHALBUEV, Gökhan ZENGİN, Elena LEONOVA, Canda Adigüzel ZENGİN, Nikolay SOVETKIN, Elena ZHARNIKOVA, Svetlana TZHERENOVA, Irina TITOVA

INVESTIGATION OF PHYSICO-CHEMICAL AND BIOLOGICAL CHANGES IN THE COLLAGENS UNDER THE INFLUENCE OF THE PROKARYOTIC ORGANISMS-ACIDS SYSTEM

Maria Daniela STELESCU, Daniel IGHIGEANU, Dana STAN, Elena MANAILA, Gabriela CRACIUN
IONIZING RADIATION EFFECTS ON BIOGEL USED FOR SERUM PROTEIN ELECTROPHORESIS

Anca Iuliana DUMITRU, Claudia Irina KONCSAG, Nicoleta TEODORESCU, Iuliana Marlina PRODEA, Cyrille Alode VODOUNON, Anca Elena Eliza STERPU
RHEOLOGICAL STUDY OF BIODEGRADABLE LUBRICATING GREASES

Elodie LEFEBVRE, Christophe VIGHETTO, Damien SEYER, Veronique LARRETA-GARDE
CONCEPTION AND ELABORATION OF BIOGELS TO DELIVER ANTI-BIOFILM AGENTS

Stefania MARIN, Minodora Maria MARIN, Ana-Maria ENE, Türker İlyas KILIÇ, Ciprian CHELARU, M d lina ALBU, Mihaela Violeta GHICA
COLLAGEN-DOXYCYCLINE SPONGIOUS FORMS FOR INFECTED TISSUES TREATMENT

Rodica Roxana CONSTANTINESCU, Gabriel ZAINESCU, Daniela Simina STEFAN, Aurelia MEGHEA, Carmen SIRBU, Petre VOICU
RESEARCH ON OBTAINING NUTRITIONAL SUBSTRATES FROM PROTEIN BIOCOMPOSITES

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	<p>Ciprian CHELARU, Madalina Georgiana ALBU, Durmus Alpaslan KAYA, Aurelia MEGHEA, Madalina IGNAT, evket ÖZTÜRK, Maria GIURGINCA, Sevgi NALBAT, Turkmen MUSA, Laurentiu DINCA</p> <p>SYNTESIS AND CHARACTERISATION OF MICROCAPSULES BASED ON NATURAL BIOPOLYMERS AND LAUREL ESSENTIAL OIL</p> <p>Meltem TUFAN, Selin SAYIN</p> <p>THE EFFECTS OF IRON AND LIGHT INTENSITY ON BIOMASS AND PIGMENT SYNTHESIS OF <i>Heamotococcus pluvialis</i> UNDER LABORATORY CONDITIONS</p>
<p>Thursday, October 23rd 2014</p>	<p style="text-align: center;">SESSION 3 - SYSTEMS AND TECHNOLOGIES</p> <p>Despina GHERMAN, Maria-Magdalena CIUVIC , Doina L cr mioara TUDORACHE, Corina OANCEA, Roxana MIRIC , Radu CIUVIC , Ana-Maria VASILESCU</p> <p>INNOVATIVE TECHNOLOGIES OF CUSTOMIZED FOOTWEAR FOR ELDERLY AND PROMOTION OF ACTIVE AGING</p> <p>Doina L cr mioara TUDORACHE, Maria-Magdalena CIUVIC , Despina GHERMAN, Corina OANCEA, Roxana MIRIC , Radu CIUVIC , Ana-Maria VASILESCU</p> <p>THE CUSTOMIZED FOOT WEAR FOR ELDERLY – ASSISTIVE PRODUCT ACTING AS A FACILITATOR FOR REDUCING DISABILITY WHILE ENHANCING THE QUALITY OF LIFE FOR OLD PEOPLE</p> <p>Alina POPESCU, Cecilia SÎRGHIE, Mihaela DOCHIA, DANA Maria COPOLOVICI, Laura CHIRILA</p> <p>ASPECTS REGARDING NATURAL DYEING OF ENZYMATICALLY PRE-TREATED CELLULOSIC BLENDED YARNS</p>

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Thursday, October 23rd 2014

Cristian PASTIA, Septimiu-George LUCA, Fideliu PAULET-CRAINICEANU, Ionut-Ovidiu TOMA, George TARANU
DESIGN CRITERIA OF TUNED MASS DAMPER SYSTEMS TO CONTROL VIBRATIONS OF BUILDING STRUCTURES

Cristian PASTIA, Septimiu-George LUCA, Fideliu PAULET-CRAINICEANU, George TARANU, Florentina LUCA, Ionut-Ovidiu TOMA
SEISMIC RESPONSE OF BUILDING STRUCTURES WITH PASSIVE FLUID DAMPERS

Valentina BULGARU, Marina MALCOCI, Tatiana SCLEAROV
OPTIMIZATION OF ASSEMBLE UPPERS SYSTEMS USING CAD/CAM

Daniel PETCU, Gheorghe BERIJAN
PATHOLOGICAL CONDITIONS REQUIRING THE USE OF CUSTOMIZED LASTS

Maria Daniela STELESCU, Gabriela CRACIUN, Elena MANAILA, Daniel IGHIGEANU
RADIATION VULCANIZATION OF NATURAL RUBBER USING TMPT AS POLYFUNCTIONAL MONOMER

Adriana SUBTIRICA, Carmen GHITULEASA, Mariana VAMESU, Fazilet TASKOPARAN
INVESTIGATION OF COLOR STABILITY OF NATURALLY DYED DENIM GARMENTS

Ioana OLTEANU, Mihai BUDESCU, Vi du Ionel IFTODE
CASE STUDY ON FAILURE MECHANISM FOR REINFORCED CONCRETE FRAME STRUCTURE WITH DIFFERENT INFILL MATERIAL

Nicoleta TRANDAFIR, Gheorghe PINTEAL, Marian MOCANU, Daniel CARSENTI
“SYNTAN” AND “SYNTHOL” –A RESPONSE TO CURRENT ISSUES

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<p align="center">Thursday, October 23rd 2014</p>	<p>Nicolae ISCHIMJI, Stan MITU, Valentina BULGARU, Daniel PETCU SETTING THE ANATOMICAL AND MORPHS FUNCTIONAL PARTICULARITIES OF THE DIABETIC FOOT PATIENTS USEFUL WHEN DESIGNING SPECIFIC FOOTWEAR</p> <p>Ana Maria VASILESCU, Viorel GHEORGHE, Mirela PANTAZI RESEARCH ON DETERMINING THE EXPRESSION OF HARDNESS VARIATION OF MATERIALS USED IN SHOE HEEL MANUFACTURING DEPENDING ON THE MEDIO-LATERAL COMPONENT, Fy, OF THE GROUND REACTION FORCE</p> <p>Olga NICULESCU, Stoica TONEA, Roxana Aurelia TONEA, Zenovia MOLDOVAN, Mariana Daniela BERECHECHET, Dana Corina DESELNICU FINISHING TECHNOLOGIES FOR WOOLEN SHEEPSKINS</p>
<p align="center">Friday, October 24th 2014</p>	<p align="center">SESSION 4 - ENVIRONMENT</p> <p>Luminita ALBU, Gheorghe BOSTACA, Daniel PETCU CO₂ EMISSION REDUCTION FROM ROMANIAN TANNERIES AND FOOTWEAR MANUFACTURE INDUSTRY. REALITIES AND TENDENCIES</p> <p>Rodica Roxana CONSTANTINESCU, Viorica DESELNICU, Marian CRUDU, Gabriela MACOVESCU EVALUATION OF LEATHER BIODEGRADABILITY</p> <p>Carmen GAIDAU, Stefana JURCOANE, Petruta CORNEA, Florentina ISRAEL-ROMING, Laura DINU, Clara RADULESCU1, Mihaela NICULESCU, Georgiana VESA NEW METHOD FOR BIODEGRADABILITY OF COLLAGEN AND KERATIN BASED MATERIAL ASSESSMENT</p>

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Mihaela-Doina NICULESCU, LAURENTIU
FILIPESCU

RED MUD AS MULTIFUNCTIONAL MATERIAL
FOR POLLUTANTS CAPTURING FROM
WASTEWATER

Mirela PANTAZI, Ana Maria VASILESCU
ASSESSMENT OF LEATHER AND LEATHER
SUBSTITUTE WASTE BIODEGRADABILITY
UNDER AEROBIC CONDITIONS IN LIQUID
ENVIRONMENT

Maria Angeles PÉREZ-LIMIÑANA, E. ORGILÉS-
CALPENA, Maria Jose ESCOTO-PALACIOS,
Francisca ARÁN-AÍS, Cesar ORGILÉS-BARCELÓ
FORMULATION OF NANOCOMPOSITES FOR
FOOTWEAR WITH ENHANCED COMFORT AND
SAFETY PROPERTIES

Dana Corina DESELNICU, Marian CRUDU, Ioannis
IOANNIDIS, Federico BRUGNOLI
ENVIRONMENTAL ASPECTS FOR LEATHER
FROM A LIFE – CYCLE PERSPECTIVE - PART I -
METHODOLOGY

Dana Corina DESELNICU, Marian CRUDU, Ioannis
IOANNIDIS, Federico BRUGNOLI
ENVIRONMENTAL ASPECTS FOR LEATHER
FROM A LIFE – CYCLE PERSPECTIVE - PART II -
IMPACT ASSESSMENT

Elena MANAILA, Gabriela CRACIUN, Daniel
IGHIGEANU, Daniela Maria STELESCU
NOVEL FLOCCULANTS BASED ON ACRYLAMIDE
AND ACRYLIC ACID OBTAINED BY ELECTRON
BEAM IRRADIATION

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SESSION 5 - CULTURAL HERITAGE

Laura TRANDAFIR, Florina Lucica ZORILA, Mioara ALEXANDRU, Mihaela ENE, Mihai CONSTANTIN, Alexandru ALISTAR, Mihalis CUTRUBINIS, Ovidiu IORDACHE, Ioana STANCULESCU
RADIORESISTANCE OF BIODEGRADATION FUNGI AND ITS IMPORTANCE IN ESTABLISHING THE DECONTAMINATION DOSE

Cristina CARȘOTE, Petru BUDRUGEAC, Lucretia MIU, Fatih YALÇIN, Hüseyin Ata KARAVANA, Elena BADEA
EFFECT OF TEMPERATURE AND RELATIVE HUMIDITY ON VEGETABLE TANNED LEATHER STUDIED BY THERMAL ANALYSIS

Claudiu SENDREA, Elena BADEA, Lucretia MIU, Madalina IGNAT, Horia IOVU
UNILATERAL NMR FOR DAMAGE ASSESSMENT OF VEGETABLE-TANNED LEATHER. CORRELATION WITH HYDROTHERMAL PROPERTIES

Doina LUCANU
GARMENT OBJECTS - ARTISTIC EXPERIMENTS IN FASHION

Unda POPP
BRANCOVEANU AND COSTUME PERFORMING

Gong YING, Madalina IGNAT, Wuyong CHEN, Yanping GAO, Lucretia MIU, Petru BUDRUGEAC
TESTING OF ARTIFICIALLY AGED LEATHER IN ACID RAIN

Maria-Mihaela MANEA, Constantin-Daniel NEGUT, Marian VIRGOLICI, Ioan-Valentin MOISE
STUDY OF GAMMA IRRADIATED OIL PAINTING SAMPLES BY FTIR AND FT-RAMAN SPECTROSCOPY

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	<p>POP MARLENA HUMANISTIC EPISTEME IN SUSTAINABLE DEVELOPMENT OF CREATIVE INDUSTRIES</p> <p>Alexandra MOCENCO, Sabina OLARU, Georgeta POPESCU, Carmen GHITULEASA FREQUENT RETURNS TO ETHNIC GROUNDS IN FASHION DESIGN</p>
<p align="center">Friday, October 24th 2014</p>	<p align="center">SESSION 6 – INNOVATION</p> <p>Viorica DESELNICU, Marian CRUDU, Gabriel ZAINESCU, Madalina Georgiana ALBU, Dana Corina DESELNICU, Sergiu-Adrian GUTA, Ioannis IOANNIDIS, Rodica Roxana CONSTANTINESCU, Corina CHIRILA, Dana GURAU, Gabriela MACOVESCU, Laurentia ALEXANDRESCU, Gheorghe BOSTACA INNOVA-LEATHER - INNOVATIVE TECHNOLOGIES FOR LEATHER SECTOR</p> <p>Selvaraj MATHIVANAN, Ranganathan MOHAN, Gautham GOPALAKRISHN, Bhabendra Nath DAS DESIGN INNOVATIONS ON FOOTWEAR FOR OVERWEIGHT/OBESE PEOPLE</p> <p>Daniel PETCU, Laurentia ALEXANDRESCU DEMOULTRAGRIP - OPPORTUNITY TO DEVELOP NEW PRODUCTS FOR THE FOOTWEAR INDUSTRY</p> <p>Traian FOIASI DESIGN AND STYLING – CONTEMPORARY INTERESTS IN HAUTE-COUTURE ACCESSORY FASHION</p> <p>Margareta FLORESCU, Coara GHEORGHE, Luminita ALBU IMPLEMENTATION OF INNOVATION POLICIES THROUGH RESEARCH AND DEVELOPMENT PROJECTS</p>

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**SESSION 7 - QUALITY MANAGEMENT AND
COMPETITIVENESS**

Valentina BULGARU, Daniela CIOBANU, Marina MALCOCI
QUALITY IMPROVEMENT IN THE FOOTWEAR COMPANY

Andrei Mihnea Vicențiu POPESCU, Mircea POPESCU
THE EVOLUTION OF PRODUCTIVITY FACTORS
IN THE ROMANIAN MANUFACTURING: AN
ANALYSIS OF THE TEXTILE, CLOTHING AND
LEATHER SECTOR

Nicoleta TRANDAFIR, Andrada PINTEAL , Marian MOCANU, Constantin – Dan DUMITRESCU
QUALITY ASSESSMENT OF LEATHER PRODUCTS
USING THE METHOD ABSOLUTE VALUE
PARAMETERS

Hatice ER, Ertan EROL, Kader EROL
THE IMPORTANCE OF TURKISH LEATHER
SECTOR IN EUROPEAN UNION MARKET FOR
RAW AND FINISHED LEATHER

Viorica DESELCU, Dana Corina DESELCU, Ana Maria VASILESCU, Gheorghe MILITARU
EU POLICY FOR SUSTAINABLE CONSUMPTION
AND PRODUCTION – ECOLABEL FOR
FOOTWEAR

SATURDAY, October 25th 2014

08:00-22:00

[Technical and Educational Tour – Sinaia/ Azuga / Busteni](#)
(Optional) [CLICK HERE FOR DETAILS](#)

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Social Dialogue Project VS/2013/0383



FINAL EVENT PROGRAM

In the framework of the
5th International Conference on Advanced Materials and Systems,
23rd – 25th October, 2014

Bucharest, Romania

Thursday, October 23rd 2014	
Athenee Palace Hilton Hotel Le Diplomate Ballroom	
14:00 – 14:15	Opening and Welcome <i>Luminita Albu – INCDTP-ICPI</i>
14:15 – 14:45	Presentation of the project results <i>Gustavo Gonzalez-Quijano – COTANCE</i>
14:45 – 15:00	EU Fashion Industries and Educational Training <i>Anna Sobczak – DG Industry and Enterprise</i>
15:00 – 16:00	Panel Discussion with Guest Speakers Industry, public authorities, trade unions and educational bodies
16:00 – 16:30	Coffee break
16:30 – 16:45	Questions & Answers
16:45 – 17:00	Concluding remarks