

Conference Programme

Thursday 12 November, 2009	
8H00 – 9H00 Registration & Breakfast	
9H00 – 9H15 Conference Opening, Mohamed LAHLOU , ESITH, Casablanca, Morocco, Vladan KONCAR , ENSAIT, Roubaix, France	
09H15 – 10H00 Plenary Session 1 CREATING INTELLIGENT TEXTILES BY FUNCTIONAL FINISHING WITH RESPONSIVE POLYMERIC SYSTEMS Prof. Dragan JOCIC Engineering of Fibrous Smart Materials (EFSM), Faculty of Engineering Technology (CTW), University of Twente, Enschede, The Netherlands	
10H00 – 10H45 Plenary Session 2 TEXTILE COMPOSITES Prof. Xavier LEGRAND ^{1,2} ¹ University Lille Nord de France, 59100 Lille, France ² GEMTEX, ENSAIT, 2 allée Louis et Victor Champier, 59056 Roubaix, France	
10H45 – 11H15 Coffee break	
Session 1 , Intelligent Textiles, Room A 11H15 – 12H45	Session 2 , Mass Customisation, Room B 11H15 – 12H45
12H45 – 14H00 Lunch break	
14H00 – 15H00 Poster Session	
15H00 – 15H30 Session of inauguration by the minister of the Moroccan industry, Trade and New Technology : Ahmed Réda Chami	
Session 3 , Intelligent Textiles, Room A 15H30 – 16H30	Session 4 , Mass Customisation, Room B 15H30 – 16H30
16H30 – 17H00 Coffee break	
Session 5 , Intelligent Textiles, Room A 17H00 – 18H00	Session 6 , Mass Customisation, Room B 17H00 – 18H00

Friday 13 November, 2009

08H30 – 9H15 **Plenary Session 3**
“SYSTEX PROJECT” FP 7
Prof. Dr. ir. Lieva Van LANGENHOVE, dr.h.c.
Universiteit Gent, Vakgroep Textielkunde, Technologiepark 907, 9052, Zwijnaarde, Belgium

09H15 – 10H00 **Plenary Session 4**
Textile and chemistry
Prof. S. GMOUH
Plateforme Chimie Moléculaire, UATRS, CNRST, angle Allal Fassi/Av des FAR, Rabat, Maroc

10H00 – 10H30 Coffee break

Session 7, Intelligent Textiles, Room A
10H30 – 12H00

Session 8, Bio Textile, Room B
10H30 – 12H00

12H00 – 13H30 Lunch break

14H00 – 18H00 Visit of the Mosque Hassan 2 and Casablanca sightseeing

21H00 – 24H00 Conference Dinner

Saturday 14 November, 2009

09H00 – 09H30 **Plenary Session 5**
KNOT AND KNOT-FREE, YARN JOINING SOLUTIONS, MEASUREMENTS
Prof. D Lalevic
Mesdan S.p.A.
Via Masserino, Puegnago del Garda (BS) Italy

Session 9, Intelligent Textiles, Room A
09H30 – 10H30

Session 10, Composite Textile et Bio Textile,
Room B
09H30 – 10H30

10H30 – 11H00 Coffee break

Session 11, Intelligent Textiles, Room A
11H00 – 12H30

Session 12, Intelligent Textiles, Room B
11H00 – 12H30

12H30 – 14H00 Lunch break

14H00 – 15H00 Poster Session

15H00 ITMC Conference closing

Parallel Sessions Oral Presentations

Thursday 12 November, 2009

Session 1, Intelligent Textiles, Room A, 11H15 – 12H45

Chairman : V. KONCAR

TEXTILE ANTENNAS FOR OFF-BODY COMMUNICATION : INFLUENCE OF HUMIDITY

C. HERTLEER, L. Van Langenhove, H. Rogier

Ghent University, Dept. of Textiles – Technologiepark , Zwijnaarde, Belgium

AN INVESTIGATION OF THE FRICTION PROPERTY OF WOVEN FABRICS IN MULTI-DIRECTION,

A. Haeri, **Ali A.A. JEDDI**, S. Saharkhiz

Department of Textile Engineering, Amirkabir, University of Technology, Tehran-Iran.

INTEREST OF ELASTIC COMPRESSION STOCKING FOR PROTECTING LEG VEINS DURING HIGH ACCELERATIONS

Ph. ARBEILLE, V BOUGAULT, R KASPRANSKY.

UMPS Unit Med Physiol Spatiale – Univ CHU Trousseau– Tours – France

PROCESSING OF A TEMPERATURE SENSOR BASED ON TWO DIFFERENT BIPHASIC POLYMER SYSTEMS FILLED WITH CARBON NANOTUBES: ELECTRICAL, RHEOLOGICAL AND MORPHOLOGICAL CHARACTERIZATION

Aurélie CAYLA^{1,2}, Christine CAMPAGNE^{1,2}, Maryline ROCHERY^{1,2}, Eric DEVAUX^{1,2}

¹ Univ. Lille Nord de France, Lille, France ; ² ENSAIT, GEMTEX, Roubaix, France.

Session 2, Mass Customisation, Room B, 11H15 – 12H45

Chairman : X. FLAMBARD

INFLUENCE OF THE HUMAN BODY DEFORMATION ON GARMENT MASS CUSTOMIZATION PROCESS,

A. CICHOCKA, P. Bruniaux

Ecole Nationale Supérieure des Arts et Industries Textile, Roubaix, France

AUTOMATED TEXTILE PREFORMING OF SEMI-FINISHED FABRICS FOR THE MASS PRODUCTION OF FIBRE-REINFORCED PLASTIC COMPONENTS

Andreas SCHNABEL, Felix Kruse, Thomas Gries

RWTH Aachen, Institut für Textiltechnik

SIMSANO PROJECT- A NEW APPROACH ON THE ROPYD PROTOTYPING FOR THERAPEUTIC FOOTWEAR,

Aura MIHAI, Doina GIURMA, Sabina SARULEANU

Gherghe Asachi Technical University of Iasi, Romania

AUTOMATED GENERATION OF HUMAN MODELS FROM SCAN DATA IN DIFFERENT, ANATOMICALLY CORRECT POSTURES FOR RAPID DEVELOPMENT OF CLOSE-FITTING, FUNCTIONAL GARMENTS

Christine MEIXNER, Sybille Krzywinski, Hartmut Rödel TU Dresden (D)
Dresden University of Technology, Dresden, Germany

Session 3, Intelligent Textiles, Room A, 15H30 – 16H30

Chairman : X. LEGRAND

STUDY OF RESIN PROPERTIES TO OBTAIN MONOLITHIC FORM OF POLYMER

I. LYASHENKO¹, E. Bozileva², N. Mihailova³, J. Novinkina⁴, K Shalma⁵ and A. Lusic⁶
^{1,2,3,4} Scientific Research Laboratory of Biotextile Materials, Riga Technical University, Riga, Latvia

⁵ Riga Biomaterial Innovation and Development Centre, Riga Technical University, Riga, Latvia

⁶ Institute of Solid State Physics, University of Latvia, Riga, Latvia

USAGE OF ULTRASOUND IN TEXTILE FINISHING

Aysegul E. KORLU¹, M. Ibrahim Bahtiyari¹, Alenka Majcen Le Marechal², Simona Vajnhandl², Kerim Duran¹, Seher Perincek³

¹Ege University, Faculty of Engineering, Department of Textile Engineering, Bornova, Izmir, Turkey

²University of Maribor, Faculty of Mechanical Engineering, Institute for Textile Materials and Design, Smetanova, Maribor

³Ege University, Emel Akın Vocational Training School, Bornova, Izmir, Turkey

DESIGNING A MARKETING STRATEGY FOR INTELLIGENT TEXTILES

FATNA HASSANI BOUGHOUFALA

Ecole Supérieure des Industries du Textile et de l'habillement, Casablanca, Morocco

Session 4, Mass Customisation, Room B, 15H30 – 16H30

Chairman : A.M. GRANCARIC

ELABORATION OF THE PHYSIOLOGICAL COMFORT INDEX

Małgorzata MATUSIAK

Textile Research Institute, Lodz, Poland

DEVELOPMENT OF VIRTUAL PARAMETRIC FEMALE BODIES FOR THE 3D DESIGN OF TIGHT FITTING GARMENTS

J. Siegmund, **S. KRZYWINSKI**

Dresden University of Technology, Dresden, Germany

ADVANCED E-RETAILING OF GARMENTS

Xiaoguang DENG^{1,2}, Agnieszka Cichočka^{1,2}, Pascal Bruniaux^{1,2}

¹Univ Lille Nord de France, Lille, France ; ²ENSAIT, GEMTEX, Roubaix, France

FRANCHISE CUSTOMIZATION (CUSTOM'FRANCHISE) A PROPOSAL FOR A NEW GENERATION OF NETWORKS

S.LAHRACHE

Ecole Supérieure des Industries du Textile et de l'habillement, Casablanca, Morocco

Session 5, Intelligent Textiles, Room A, 17H00 – 18H00

Chairman : M. DE ARAUJO

NANOTECHNOLOGY IN TEXTILE - SEWABILITY OF COTTON KNITTED FABRIC TREATED WITH NATURAL ZEOLITE NANOPARTICLES

Darko Ujević, Ana Marija Grancarić, **Anita TARBUK**, Blaženka Brlobašić Šajatović
University of Zagreb, Faculty of Textile Technology, Zagreb

ELECTRICALLY CONDUCTIVE TEXTILE YARNS AND THEIR CONTACT BEHAVIOUR,
Savvas VASSILIADIS¹, Maria Rangoussi¹, Dimitris Meimaris², Kleanthis Prekas¹ and
Christopher Provatidis²

¹Department of Electronics, Technological Education Institute of Piraeus, Greece, ²School of
Mechanical Engineering, National Technical University of Athens, Greece

NEURAL MODEL OF WOVEN FABRIC SURFACE MODIFICATION BY ATMOSPHERIC AIR-
PLASMA, **Radhia ABD JELIL**^{1,2}, Xianyi ZENG^{1,2}, Ludovic KOEHL^{1,2} and Anne PERWUELTZ^{1,2}

¹Univ Lille Nord de France, F-59000 Lille, France

² ENSAIT, GEMTEX, F-59000 Roubaix, France

Session 6, Mass Customisation, Room B, 17H00 – 18H15

Chairman : O. CHERKAOUI

RESEARCH AND DEVELOPMENT OF SPORTS T-SHIRTS: EXPERIMENTAL AND
SUBJECTIVE EVALUATION OF MULTIFUNCTIONAL KNITTED FABRICS

Manuela NEVES, Neil Lima FILHO , **Jorge NEVES**
Department of Textile Engineering, University of Minho, Portugal

DESIGNING A NEW SURGICAL GOWN USING SUBJECTIVE AND OBJECTIVE EVALUATION
METHODS

Maria José ABREU, Iara BRAGA
University of Minho, Textile Engineering Department, Campus de Azurém, Portugal

EVALUATION OF E-TRADE IMPLEMENTATIONS IN THE MARKET PROCESS IN RESPECT
OF ACTIVITY FIELDS OF READY WEAR ENTERPRISES IN TURKEY

Nurgül KILINÇ, **Meral İŞLER**
Educational Department of Clothing Industry and Clothing Arts, Vocational Education Faculty,
Selcuk University, TURKEY

MASS CUSTOMIZATION FOR PERSONS WITH SPECIAL NEEDS

A. Curteza¹, F. Kalaoğlu², Y. Heinen-Foudeh³
¹“Gheorghe Asachi” Technical University of Iasi, B-dul. D. Mangeron Nr. 67, 700050, ROMANIA
²Istanbul Technical University Turkey
³Marketing and Communications Director Europe Gerber Technology - A Gerber Scientific
Company

Friday 13 November, 2009

Session 7, Intelligent Textiles, Room A, 10H30 – 12H00

Chairman : K. DIMITROVSKI

UV PROTECTION OF SUMMER CLOTHING BY NATURAL ZEOLITE TREATED COTTON – THE INFLUENCE ON FABRIC HAND

Ana Marija GRANCARIĆ¹, **Anita TARBUK**¹ & Mário LIMA²

¹ University of Zagreb, Faculty of Textile Technology, Zagreb, Croatia

² University of Minho, Engineering School, Guimaraes, Portugal

INVESTIGATION OF THE PERFORMANCE OF BREATHABLE LAMINATED FABRIC STRUCTURES

Hale KARAKAŞ, Osman G. ARMAĞAN, Demet TEYMUR, Dilek ÖZTÜRK, Seda ULUTA^a, S. Erman TARIM

Istanbul Technical University, Textile Technologies and Design Faculty, Gumussuyu, Taksim, Istanbul, Turkey

EFFECT OF WEAVABILITY SATURATION INDEX AND FABRIC PORE SIZE ON AIR PERMEABILITY OF POLYESTER PLAIN WOVEN FABRICS FOR TECHNICAL USES

Mohamed DALAL¹, Jean Yves DREAN²

¹Ecole Supérieure des Industries du Textile et de l'Habillement, Casablanca, Maroc

²Ecole Nationale Supérieure d'Ingénieurs Sud Alsace - ENSISA, Mulhouse, France

TEXTILE SENSORS FOR ECG AND RESPIRATORY FREQUENCY ON SWIMSUITS

Gianni MONTAGNA¹, M. MARTINS⁴, André CATARINO², Helder CARVALHO², Ana Maria ROCHA², J. L. MONTEIRO³

¹ Faculty of Architecture, Technical University of Lisbon, Department of Art and Design, Lisboa, Portugal

² University of Minho, Department of Textile Engineering, Guimarães, Portugal

³ University of Minho, Department of Industrial Electronics Engineering, Guimarães, Portugal

⁴ University of Minho, Centre for Textile Science and Technology, Guimarães, Portugal

Session 8, Bio Textile, Room B, 10H30 – 12H00

Chairman : L. VANLANGENHOVE

EXPERIMENTAL STUDY AND MODELLING OF THE MECHANICAL BEHAVIOUR OF COTTON CORE SPUN YARN WITH ELASTANE AND COTTON RING AND ROTOR YARNS

F. BOUHJAR, M. SAHNOUN and M. CHEIKHROUHOU

Textile Research Unit, ISET of Ksar Hellal, Tunisia

APPLICATION OF SERICIN TO MODIFY TEXTILE SUPPORTS

Imen BELHAJ KHALIFA¹, **Neji LADHARI**², Mustapha TOUAY³

¹ National School of Engineering, Department of Textile Engineering, Monastir, Tunisia

²Textile Research Unit of ISET Ksar Hellal, Ksar Hellal, Tunisia

³Tunisian-Korean project of sericulture, Tabarka, Tunisia

<p>FLAME RETARDANCY OF NARROW COTTON FABRICS FOR APPLICATION ON PROTECTIVE CLOTHING Vaida KLIMAVICIUTE, Ana Marija GRANCARIC, Anita TARBUK University of Zagreb, Faculty of Textile Technology, Zagreb, Croatia</p>
<p>STUDY OF ANTIBACTERIAL EFFECTS OF EUCALYPTUS LEAF EXTRACTS APPLIED ON TEXTILE FABRICS Imen BELHAJ KHALIFA¹, Neji LADHARI², Mustapha TOUAY³ ¹ Textile Research Unit, ISET of Ksar Hellal, Tunisia ² Laboratory of Medical Matter, University of Pharmacy, Monastir, Tunisia ³ Laboratory of Microbiology, University of Pharmacy, Monastir, Tunisia</p>
<p>Saturday 14 November, 2009</p>
<p>Session 9, Intelligent Textiles, Room A, 09H30 – 10H30</p>
<p>Chairman : D. JOCIC</p>
<p>ANALYZING THE STRUCTURE OF PANTS SEWING LINE IN APPAREL MANUFACTURING BY SIMULATION Senem KURSUN, Fatma KALAOGLU Istanbul Technical University, Textile Technologies and Design Faculty, Istanbul-Turkey</p>
<p>A COMPARISON OF EXPERIMENTAL EXTENSION BEHAVIOR WITH THEORETICAL MODEL OF PLAIN KNITTED FABRIC H. R. KARIMI¹, Ali A.A. JEDDI², A. RASTGOO³ ¹Département of Engineering, Islamic Azad University, Arak Branch, Arak, Iran ²Department of Textile Engineering, Amirkabir University of Technology, Tehran-Iran. ³Mechanical Engineering departement University of Tehran, Iran</p>
<p>DEVELOPMENT THE TEXTILE CULTURE OF THE EGYPTIAN CHILD THROUGH PUPPETS INTERACTIVE THEATRE MEDIAS S.TEMRAZ¹, N. FARGHALY², ¹Alexandria University, Egypt ²Helwan University, Egypt</p>
<p>Session 10, Composite Textile et Bio Textile, Room B, 09H30 – 10H30</p>
<p>Chairman : A. M. GRANCARIC</p>
<p>BEHAVIOUR OF WARP INTERLOCKS STRUCTURE UNDER A IEDS ATTACK Marie LEFEBVRE², Benjamin PROVOST², François BOUSSU^{1,2} ¹ Univ. Lille Nord de France, F-59000 Lille, France ; ² ENSAIT, GEMTEX, F-59100 Roubaix, France</p>
<p>EFFECT OF 3D-WEAVE ARCHITECTURE ON STRENGTH TRANSFER FROM TOW TO TEXTILE COMPOSITE Saad NAUMAN^{1,2}, François BOUSSU^{1,2}, Irina CRISTIAN³, Vladan KONCAR^{1,2} ¹ Univ. Lille North of France, F-59000, Lille, France ²ENSAIT, GEMTEX, F-59100 Roubaix, France ³Technical University "Gh. Asachi" Iasi, Romania</p>

A STUDY OF MECHANICAL AND PHYSICAL CHARACTERIZATION OF FIBRES EXTRACTED FROM MOROCCAN ALFA PLANT

Youssef BENOUSSIF

Research and Development Laboratory, Ecole Supérieure des Industries du Textiles et de l'Habillement, Casablanca, Morocco

Session 11, Intelligent Textiles, Room A, 11H00 – 12H30

Chairman : S. CHOUKRI

DERMAL ELECTROSPUN NANOFIBRE FABRICS,

Mijović, B.¹, Agić, A.²

¹Faculty of Textile Technology

²Faculty of Chemical Engineering and Technology University of Zagreb, 10 000 Zagreb, Croatia

STUDYING OF THE SPECIFIC CONDITIONS TO CONTROL THE MECHANICAL BEHAVIOUR OF THE DORLASTAN CORE SPUN YARN

Helali HOUDA, Amel BABAY DHOUIB, Slah MSAHLI, Morched CHEIKHROUHOU

Textile Research Unit of Ksar-Hellal, Tunisia

SMART CLOTHING FOR FIREFIGHTER PROTECTION,

Semra PEKSOZ¹, Huiju PARK¹, Su Kyoung AN¹ and Huantian CAO²

¹Oklahoma State University USA

²University of Delaware USA

EFFECT OF SWELLING RATIO ON FABRIC MASS TRANSFER,

S. BENLTOUFA, F. FAYALA and S. Ben NASRALLAH

Laboratoire d'Etudes des Systèmes Thermiques et Energétiques, E.N.I.M., Monastir, Tunisia

Session 12, Intelligent Textiles, Room B, 11H00 – 12H30

Chairman : O. CHERKAOUI

MAGNETICALLY DETECTABLE PRINTS FOR MARKING AND IDENTIFICATION OF TEXTILES, **Benešovský PETR**

Vaclavska Brno, Czech Republic

NUTRIWEAR – AN INTELLIGENT SYSTEM FOR THE MONITORING OF BODY COMPOSITION BASED ON TEXTILE ELECTRODES

N. JUNGBECKER¹, L. BECKMANN², S. KIM², T. GRIES¹, S. LEONHARDT²

¹Institut für Textiltechnik

²Chair of Medical Information Technology RWTH Aachen University Aachen, Germany

BILLBOARD ADVERTISING : INNOVATION WITH INTELLIGENT MATERIALS

Mesquita, FRANCISCO¹ & NEVES, Jorge²

¹ Fernando Pessoa University, ²Minho University, Portugal

MODELLING THERMAL COMFORT INDEX BY USING DESIRABILITY FUNCTIONS

A.HADJ TAIEB, S. MSAHLI, F. SAKLI

Textile Research Unit, Tunisia

IDENTIFICATION OF TYPICAL MORPHOTYPES IN A SAMPLE OF POPULATION

S. THOMASSEY S.^{1,2} – P. BRUNIAUX^{1,2}

¹ Univ. Lille Nord de France, Lille, France

² ENSAIT, GEMTEX, Roubaix, France

Session: Poster Presentation

Thursday 12 November, 2009
Poster session : 14H00 – 15H00 , Poster Hall
A COMPARATIVE STUDY ON OXIDATION OF INDIGO DYE BY ELECTROCHEMICAL PROCESSES: INDIRECT OXIDATION, ELECTRO-COAGULATION AND ELECTRO-FENTON Wafa MILED, Ayoub HAJ SAID and Sadok Roudesli Laboratoire des Polymères, Biopolymères et Matériaux Organiques, Faculté des sciences de Monastir, Boulevard de l'environnement, 5000 Monastir, Tunisia
DETERMINATION OF WEAVING COEFFICIENT AS PARAMETER FOR EXPLAINING AND PREDICTING STRENGTH OF FABRICS Mohamed DALAL, SALBY Latifa, MESSNAOUI Redouane Ecole Supérieure des Industries du Textile et de l'habillement, Casablanca, Morocco
SYNTHESIS OF HIGH PERFORMANCE POLYAMIDE 6 FIBERS USING C- SUBSTITUTED CAPROLACTAM O. KHALIL ¹ K. BOUGRIN ¹ O. CHERKAOUI ² and A. LALLAM ³ ¹ Département de Chimie, Université Mohammed V-Agdal, Rabat, Maroc. ² Laboratoire d'Ennoblement « Chimie de Textile » ESITH -Casablanca-Maroc ³ Laboratoire de Physique & Mécanique Textiles, CNRS/UHA, Mulhouse- France
EFFECT OF ELONGATION RATE ON A TEXTILE STRAIN SENSOR C. COCHRANE ^{1,2} , V. KONCAR ^{1,2} and M. LEWANDOWSKI ^{1,2} ¹ Univ Lille Nord de France, F-59000 Lille, France ; ² ENSAIT, GEMTEX, F-59100 Roubaix, France
ELASTIC BEHAVIOR OF TEXTILE MATERIALS FOR MEDICAL USE IN TREATING VENOUS ULCERS B. CHEMANI ¹ , R. HALFAOUI ² ^{1,2} Laboratory of Treatment and Working of Polymers. Faculty of Science of the Engineer University M' Hamed BOUGARA of Boumerdes- Algeria
ETUDES DES PROPRIETES DU NANOCOMPOSITE PMMA/ZnO Fatih LAKHDARI, Nassira BENHARRATS LPPMCA, Faculté des Sciences, Université des Sciences et de la Technologie, Oran, Algérie.
FEASIBILITY STUDY TO DEVELOP INTELLIGENT GARMENT BY USING CONDUCTIVE THREAD Arman SHAFI, Laurence SCHACHER, Dominique ADOLPHE, Jean-Yves DREAN ENSISA, Laboratoire de Physique et Mécanique Textiles (LPMT), EAC 7189 CNRS-UHA, Mulhouse, France

INFLUENCE OF THE WORKPLACE ON THE BODY MORPHOLOGY OF THE EMPLOYEES IN THE CLOTHING INDUSTRY

Darko UJEVIĆ; Žaklina DOMJANIĆ & Beti ROGINA-CAR
Faculty of Textile Technology, University of Zagreb, Croatia

PROPERTIES OF NEW BENZTHIAZOL DYE ON BLOCKING PROPERTIES OF DYEING WOOL AND PA FIBRES AGAINST UV-RAYS

Đurđica PARAC-OSTERMAN¹, Vesna TRALIĆ KULENOVIĆ², Ana SUTLOVIĆ¹, Livio RACANE², Vedran ĐURAŠEVIĆ

¹University of Zagreb, Faculty of Textile Technology, Department of Textile Chemistry and Ecology, Savska c.16, Croatia

² University of Zagreb, Faculty of Textile Technology, Department of Applied Chemistry, Baruna Filipovića 128 a, Croatia

REMOVAL OF ACID DYE FROM AQUEOUS SOLUTIONS USING MODIFIED COTTON FIBERS LOADED WITH COPPER IONS: ADSORPTION ON A FIXED-BED COLUMN

Amel EI GHALI¹, Mohamed HASEN V BAOUAB², Mohamed Sadok ROUDESLI¹

¹ Laboratoire des Polymères-Biopolymères Matériaux Organiques (LPBMO), Faculté des Sciences de Monastir, Bd. de l'environnement, 5019 Monastir, Tunisia

² Institut Préparatoire aux Etudes d'Ingénieurs de Monastir, 5019 Monastir, Tunisia

THERMAL COMFORT PROPERTIES OF BLENDED YARNS KNITTED FABRICS

Arzu MARMARALI¹, Mirela BLAGA², Tuba BEDEZ UTE¹, Gozde DAMCI¹

¹ Ege University, Faculty of Engineering, Department of Textile Engineering, Bornova, Izmir, Turkey, ² Gheorghe Asachi Technical University, Faculty of Textiles–Leather Engineering and Industrial Management Iasi, Romania

USE OF COPPER (II)/DIETHYLENETRIAMINE-COTTON COMPLEX FOR THE REMOVAL OF PESTICIDE FROM EFFLUENT

Amel EI GHALI¹, Mohamed HASEN V BAOUAB², Mohamed Sadok ROUDESLI¹

¹Laboratoire des Polymères-Biopolymères Matériaux Organiques (LPBMO), Faculté des Sciences de Monastir, Bd. de l'environnement, 5019 Monastir, Tunisia

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STUDY OF THERMAL, MECHANICAL AND DIELECTRICAL BEHAVIORS OF A COMPOSITE MATERIAL FLEXIBILISED BY CTBN

R. ZIRAOU^{*}, M. GRICH, H. MEGHRAOUI, N. RAMI, M. ELGOURI, A. MOUADA, S. FETOUAKI, A. ELHARFI

E.L.C.O.M - Department of Chemistry - IBN TOFAIL UNIVERSITY - BP 133 -14000 - KENITRA / Morocco