



POSTER PROGRAM – DAY 1

ID	PRESENTING AUTHOR	TITLE	ORGANIZATION	COUNTRY
38	SEVHAN MUGE YUKSELOGLU	THE MECHANICAL PROPERTIES OF FLAX FIBRE REINFORCED COMPOSITES	MARMARA UNIVERSITY	Turkey
41	Alejandro Rodríguez	INFLUENCE OF MERCERIZATION- CATIONIZATION PROCESS IN THE STRUCTURE OF CELLULOSE	University of Córdoba	Spain
48	Jefferson Souza	EVALUATION OF THE MORPHOLOGICAL AND PHYSICAL CHARACTERISTICS OF PLUMES FROM CHICKEN FEATHERS	Federal University of Piauí	Brazil
57	Eglė Kumpikaitė	DESIGNING OF NEW WOVEN FABRICS OF INNOVATIVE STRUCTURE FROM FLAX	Kaunas University of Technology	Lithuania
60	Suat CANOGLU	AN EVALUTION OF COTTON KNITTED YARN PRODUCTION BY RING AND COMPACT PROCESSES	Marmara University	Turkey
68	Laima Milasiute	COMPARATIVE ANALYSIS OF THE NATURE OF CELLULOSE FIBRES ON SELECTED STRUCTURAL PARAMETERS OF KNITTED FABRICS	Kaunas University of Technology	Lithuania
69	Daiva Milasiene	INVESTIGATION OF POSSIBILITIES OF NATURAL FIBRE SURFACE MODIFICATION WITH SILVER SELENIDE	Kaunas University of Technology	Lithuania
70	Audrone Ragaisiene	A DEPENDENCE BETWEEN GEOMETRICAL AND MECHANICAL INDICES OF DOG HAIR FIBRE	Kaunas University of Technology	Lithuania
83	Liucina Kot	ORNAMENTATION OF PATTERNED IN LITHUANIAN FOLK BEDSPREADS	Kaunas University of Technology	Lithuania



89	Jaroslav Janicki	MORPHOLOGY AND MECHANICAL PROPERTIES OF THERMOPLASTICCELLULOSE BLENDS FIBRES	rsity of Bielsko-Biala	Poland
114	RIZA ATAV	CHEMICAL MODIFICATION OF SILK FIBERS IN ORDER TO OBTAIN LOW TEMPERATURE DYEABILITY: AN INDUSTRIAL SCALE RESEARCH	NAMIK KEMAL UNIVERSITY	Turkey
117	Nihal SOKMEN	MICROWAVE ASSISTED DYEING OF COTTON FIBRE WITH DIRECT DYES	MARMARA UNIVERSITY	Turkey
122	Ivar Zekker	NITRIC OXIDE FOR ANAMMOX RECOVERY	University of Tartu	Estonia
138	Fatma Citoglu	A STUDY OF NEEDLE HEATING IN SEWING COTTON DENIM FABRICS	Marmara University	Turkey
143	Marziyeh Khatibzadeh	A REVIEW ON TRANSPARENT NANOPAPER FROM NANOCELLULOSE FIBERS FOR PRINTED ELECTRONICS	AMIRKABIR UNIVERSITY	Iran
149	kadda hachem	ISOLATION, CHARACTERIZATION AND ANTI-OXIDANT ACTIVITY OF PECTIC SUBSTANCES FROM ARGANIA SPINOSA LEAVES.	Université des Sciences et de la Technologie d'Oran	Algeria
153	Margarida Casal	HIGH-LEVEL BIOSYNTHESIS OF A SILK-ELASTIN-LIKE PROTEIN IN E. COLI: REDUCING ACETATE ACCUMULATION AND PLASMID INSTABILITY.	University of Minho	Portugal
156	Jolanta Malasauskiene	ANALYSIS OF ELECTROSPUN WEB STRUCTURE FROM POLY(VINYL ALCOHOL)/HEMP SHIVES COMPOSITE NANOFIBRE	Kaunas University of Technology	Lithuania



161	Kirsi Immonen	COMPOSITE MATERIALS BASED ON PEAT FIBRES	VTT Technical Research Centre of Finland	Finland
162	José Roberto Moraes d'Almeida	THERMAL CHARACTERIZATION OF LIGNIN FROM PIASSABA (ATTALEA FUNIFERA) FIBERS	Pontifícia Universidade Católica do Rio de Janeiro	Brazil
167	Emilie Capelle	INFLUENCE OF THE WEAVING PROCESS ON THE BEHAVIOUR OF WOVEN REINFORCEMENTS: SPECIFICITY OF NATURAL FIBRES TEXTILES	Laboratory Prisme	France
169	Anna Kicinska-Jakubowska	CHARACTERISTIC OF NATURAL FIBERS IN TERMS OF THEIR POSSIBILITIES OF APPLICATION	Institute of Natural Fibers and Medicinal Plants	Poland
177	Marziyeh Khatibzadeh	A STUDY ON THE ABILITY OF SAFFRON PETALS TO USE AS AN NATURAL INDICATOR	Amirkabir University of Technology	Iran
181	Francisco Claudivan Da silva	DOG WOOL; TREATMENT AND THERMAL CHARACTERIZATION	Federal University of Rio Grande do Norte	Brazil
183	Francisco Claudivan Da silva	ECO-COMPOSITE OF MICROPARTICLES OF DOG WOOL AND CASTOR OIL POLYURETHANE	Federal University of Rio Grande do Norte	Brazil
189	BANU YESİM BUYUKAKINCI	THE ANTIBACTERIAL ACTIVITY OF NATURAL AND REGENERATED FABRICS TREATED WITH TIN IONS	ISTANBUL AYDIN UNIVERSITY	Turkey
191	Patrícia Câmara Miléo	TENSILE PROPERTIES OF SUGARCANE BAGASSE CELLULOSE COMPOSITES USING LIGNIN AS COUPLING AGENT	Engineering School of Lorena	Brazil



212	Dana Belakova	BIOBASED HEMP FIBERS REINFORCED COMPOSITE	Riga Technical University	Latvia
218	Lata Soccalingame	END OF LIFE OF PLA AND FLAX FIBER REINFORCED PLA BIOCOMPOSITE	Ecole des mines d'Alès	France
223	Marzieh Khatibzadeh	DEINKING OF NEWSPAPER BY FLOTATION METHOD AND STUDYING THE ROLE OF SURFACTANTS IN DEINKING PROCESS	Amirkabir University of Technology	Iran
225	Juliana Paradinha Sampaio	ANALYSIS OF MARKETING STRATEGIES IN THE BRAZILIAN RETAIL MARKET FOR ORGANIC COTTON PRODUCTS	University of São Paulo	Brazil
226	Raquel Carvalho	NATURAL FIBERS FOR SOIL REINFORCEMENT	University of Minho	Portugal
227	Cátia Relvas	CHARACTERIZATION OF PHYSICAL, MECHANICAL AND CHEMICAL PROPERTIES OF QUISCAL FIBRES: THE INFLUENCE OF ATMOSPHERIC DBD PLASMA TREATMENT	University of Minho	Portugal
229	Rita Rebelo	POLY LACTIC ACID BASED BIODEGRADABLE STENTS AND FUNCTIONALIZATION TECHNIQUES: BRIEF REVIEW	University of Minho	Portugal
230	João Paulo Saraiva Morais	EXTRACTION AND CHARACTERIZATION OF GELATIN FROM SALMON PROCESSMENT WASTE	Embrapa Cotton	Brazil
234	Morsyleide Freitas Rosa	BIOREFINERY AND LIFE CYCLE ANALYSIS OF NANOCELLULOSE EXTRACTED FROM COCONUT FIBRE	Embrapa Tropical Agroindustry	Brazil



POSTER PROGRAM – DAY 2

239	Morsyleide Freitas Rosa	EVALUATION OF SISAL JUICE AS POTENTIAL CARBON SOURCE FOR BACTERIAL CELLULOSE PRODUCTION	Embrapa Tropical Agroindustry	Brazil
242	Morsyleide Freitas Rosa	MESQUITE EXTRACT PROSOPIS JULIFLORA (SW.) DC. AS ALTERNATIVE SOURCE FOR BACTERIAL CELLULOSE PRODUCTION	Embrapa Tropical Agroindustry	Brazil
243	Morsyleide Freitas Rosa	A BIONANOCOMPOSITE MADE OF MESQUITE POLYSACCHARIDES	Embrapa Tropical Agroindustry	Brazil
245	Antoneta Tomljenović	FLAX FIBERS – CANDIDATE FOR REPLACEMENT OF E-GLASS FIBERS IN COMPOSITES FOR STRUCTURAL APPLICATION	University of Zagreb,	Croatia
248	Francesca Camilli	SUSTAINABLE DYEING METHODS FOR MANAGING TINEOLA BISSELLIELLA (HUMMEL) INFESTATIONS OF WOOLEN FABRICS	Institute of Biometeorology, National Research Council	Italy
249	Matthieu Rigal	SWEETCLOVER, A SOURCE OF FIBERS ADAPTABLE TO WET AND SALINE LANDS	Université de Toulouse	France
252	Rosineide Leão	THERMAL AND CRYSTALLINITY PROPERTIES OF CELLULOSE NANOCRYSTALS FROM SUGARCANE BAGASSE FIBERS	University of Brasília	Brazil



253	José Esteves	MODE I FRACTURE TUGHNESS OF NATURAL LONG JUTE FIBERS EPOXY RESIN COMPOSITES	Faculty of Engineering of University of Porto	Portugal
255	JULIO NOLBERTO PÉREZ	MECHANICAL INFLUENCE OF THE CATTLE HAIR AS TENSING FIBERS IN A POLYESTER MATRIX	ESCUELA SUPERIOR POLITÉCNICA DE CHIMBORAZO	Ecuador
259	Sanja Ercegović Ražić	FUNCTIONALIZATION OF CELLULOSE-BASED MATERIAL BY SURFACE MODIFICATIONS USING PLASMA AND ORGANOSILICONE/AG COMPOUNDS	Faculty of Textile Technology, University of Zagreb	Croatia
268	Ester Pinheiro dos Santos	CHEMICAL MODIFICATION OF CELLULOSE OBTAINED FROM BANANA'S LEAVES (MUSA SAPIENTUM) FOR THE SYNTHESIS OF NEW MATERIALS	National Institute for Space Research	Brazil
272	J. Juan. D Martinez	EFFECT OF DIFFERENTS RESIN MATRICES ON PHYSICAL AND MECHANICAL PROPERTIES OF PARTICLEBOARDS FROM WASTE GMELINA	Universidad Pontificia Bolivariana	Colombia
273	Kesia Karina de Oliveira Souto Silva	SERICIN NANOPARTICLES SYNTHESIS AND POTENTIAL APPLICATION IN TEXTILE COSMETIC AREA	Federal University of Rio Grande do Norte	Brazil
280	José Heriberto Oliveira do Nascimento	OPTIMIZING THE OIL ADSORPTION IN KAPOK FIBERS BY RESPONSE SURFACE METHODOLOGY	Federal University of Rio Grande do Norte	Brazil



284	Shama Parveen	INVESTIGATION ON THE HOMOGENEITY AND STABILITY OF AQUEOUS NANO CELLULOSE SUSPENSIONS PREPARED USING PLURONIC F-127	University of Minho	Portugal
287	José Heriberto Oliveira do Nascimento	REMOVAL OF CRUDE OIL USING A NEW NATURAL FIBER – CALOTROPIS PROCERA	Federal University of Rio Grande do Norte	Brazil
288	José Heriberto Oliveira do Nascimento	TRIBOLOGY BEHAVIOR OF DIFFERENT NATURAL, SYNTHETIC AND REGENERATED KNITTING FABRIC	Federal University of Rio Grande do Norte	Brazil
290	Julia V. Chudinova	BIOLOGICAL BASIS SELECTION OF FLAX FOR INNOVATIVE NATURAL PRODUCTS	Tomsk Agricultural Institute	Russian Federation
301	Rui Magalhães	DEVELOPMENT OF AUXETIC STRUCTURES FROM BRAIDED COMPOSITES PRODUCED FROM BASALT FIBER.	University of Minho	Portugal
302	Subramani Pichandi	NOVEL AUXETIC STRUCTURES FROM BASALT FIBRE BASED BRAIDED COMPOSITES FOR STRUCTURAL APPLICATIONS	University of Minho	Portugal
314	Polona Dubrovski	NANOCELLULOSE-ENRICHED POROUS MEMBRANES FOR WASTEWATER CONTAMINANTS (E.G. DYES) FILTRATION	University of Maribor	Slovenia
339	Francesca Camilli	METHODS FOR CHARACTERIZING WOOLEN FABRICS USING INSTRUMENTAL AND SENSORY ANALYSIS	Institute of Biometeorology, National Research Council of Italy	Italy



359	OSCAR EDUARDO SUAREZ MORENO	FIBER, A WONDER FROM PLANTAIN CROP RESIDUES. ALTERNATIVE FOR HUMAN SUSTAINABLE DEVELOPMENT	UNIVERSIDAD NACIONAL DE COLOMBIA	Colombia
361	Claudine Morvan	CHARACTERIZATION OF FLAX BIOCOMPOSITES MADE OF SEED MUCILAGES REINFORCED BY FIBRE	University of Rouen	France
363	Zuraida Ahmad	COMPARATIVE STUDIES ON PROPERTIES OF NATURAL FIBER BINDERLESS BOARDS	INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA	Malaysia
364	Ana Lourenço	CELLULOSE NANOFIBRILLS IN PAPERMAKING – FILLER RETENTION, WET WEB RESISTANCE AND PRINTABILITY	University of Coimbra	Portugal
365	Anne Le Duc	INFLUENCE OF HEMP AND MISCANTHUS FIBRE PREPARATION ON THEIR PROPERTIES AND CORRELATIONS WITH PROPERTIES OF POLYPROPYLENE / FIBRES PROCESSED BY COMPOUNDING	Fibres Recherche Développement (FRD)	France
367	Andrea Zille	STUDY OF TINCTORIAL BEHAVIOUR OF CURAUA AND BANANA FIBRES	Federal University of Rio Grande do Norte	Brazil
368	Beatriz Canabarro	PLASMA TREATMENT OF COIR FIBERS: A GREEN METHOD FOR SURFACE MODIFICATION	Federal University of Rio de Janeiro	Brazil
369	Rafael Cavalcante Cordeiro	EFFECTS OF DIFFERENT PLASMA TREATMENTS OF FLAX FIBERS ON THE MECHANICAL PROPERTIES OF PP/FLAX COMPOSITES	Federal University of Rio de Janeiro	Brazil



372	Fernanda Steffens	AUXETIC EFFECT OF NATURAL FIBER KNITTED FABRICS	University of Minho	Portugal
376	Anabela Raymundo	HEALTHY BONBONS ENRICHED IN FIBER	Instituto Superior de Agronomia	Portugal
377	Isabel Sousa	RICE BRAN INCORPORATION AS FIBER SOURCE IN BAKERY FOODS	Instituto Superior de Agronomia	Portugal
378	Younsook Shin	APPLICATION OF AROMA MICROCAPSULES TO NATURAL DYED COTTON	Chonnam National University	Korea, Republic Of
380	Younsook Shin	INDIGO DYEING OF CELLULOSE FABRIC BY BIOREDUCTION METHOD	Chonnam National University	Korea, Republic Of
381	Ezgi Ceren Boz	DESIGN OF THERMALLY ADAPTIVE WOOL APPAREL FABRIC	Istanbul Technical University	Turkey
382	Catarina Guise	NANOCELLULOSE IN BIOMEDICAL AREA: BRIEF REVIEW	University of Minho	Portugal
384	Raziye Atakan	AN INVESTIGATION OF PHOSPHORUS-NITROGEN SYNERGISM ON A NEW FLAME RETARDANT FINISH OF CO/PES BLENDS	Istanbul Technical University	Turkey
390	Lisa Steiner	STRUCTURAL COLOUR FROM NATURAL FIBRES	University of Cambridge	United Kingdom
391	Raquel Carvalho	STUDY ON THE DEGRADATION OF NATURAL FIBER GEOTEXTILES	University of Minho	Portugal
394	Fernando Cunha	MECHANICAL PROPERTIES OF POLYPROPYLENE/NATURAL FIBER COMPOSITES: COMPARISON WITH GLASS FIBER	University of Minho	Portugal
395	Carlos Mota	MECHANICAL CHARACTERIZATION OF BIO-EPOXY ECO-COMPOSITES REINFORCED WITH FIBROUS STRUCTURES BASED ON NATURAL FIBERS	University of Minho	Portugal



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