

## Poster Session - 28/05 - Topics A, B and G

A) Natural Fibers: cultivation, treatment, modification, processing and end-use applications.

Code	Title	Autors	Filiation
A-18002	CURAUUA AND EUCALYPTUS NANOFIBERS FILMS BYCONTINUOUS CASTING	Pedro I. C. Claro, Adriana de Campos, Ana C. Corrêa, Vanessa B. Rodrigues, Bruno R. Luchesi, Luiz E. Silva, Gustavo H. D. Tonoli, Luiz H. C. Mattoso and José M. Marconcini	UFScar/ Embrapa
A-18003	CELLULOSE NANOFIBERS FROM TOMATO PEEL RESIDUES	Anny Manrich, Maria A. Martins and Luiz H. C. Mattoso	Embrapa
A-18004	ALKALINE TREATMENT FOR EXTRACTION OF HEMICELLULOSE	Francine C. Claro, Mailson de Matos and Washington L. E. Magalhães	UFPR
A-18005	POTENTIAL OF DEGRADATION OF BABAÇU RESIDUE BY FUNGUS PYCNOPORUS SANGUINEUS	Helen M. Prosdocini, Giovana R. F. Bronzato, Fabricio J. B. Kumabe, Mirela B. Carnietto and Alcides L. Leão	UNESP
A-18007	PURIFICATION AND CHARACTERIZATION OF MORINGA OLEIFERA SHELLS AND PODS AS A CELLULOSIC SOURCE FOR THE PRODUCTION OF REGENERATED CELLULOSE	Mateus C. G. Souza, Antônio C. F. Batista, Andressa T. Vieira and Rosana M. N. Assunção	UFU
A-18008	CHARACTERIZATION AND EXTRACTION OF CELLULOSE NANOCRYSTALS FROM DIFFERENT PHENOLOGICAL STAGES FROM CORN PLANT (ZEA MAYS L.).	Samir L. Mathias, Aparecido J. Menezes, Rafael H. Longaresi and Marcelo A. P. Silva	UFSCAR
A-18010	DOUBLE ENVIRONMENTAL BENEFIT BY THE REMOVAL OF PHOTSENSITIZING DYES FROM THE WATER USING PARTICULATE SOLID WASTE	Juliana C. Araújo-Chaves, Bianca Bellini, Derval S. Rosa, and Iseli L. Nantes-Cardoso	UFABC
A-18011	ISOLATION AND SURFACE MODIFICATION BY ACETYLTION OF CELLULOSE NANOSTRUCTURES	Rennan F.S. Barbosa, Alana G. de Souza and Derval S. Rosa	UFABC
A-18012	INFLUENCE OF CHEMICAL TREATMENT IN SISAL FIBER IN MECHANICAL BEHAVIOR AND DYNAMIC-MECHANICAL COMPOUND THERMAL WITH STARCH MATRIX	Karina P. Carmo, Jéssica S. Rodrigues, Roberta R. M. de Freitas, Anna Maria G. Melero, Joelen O. Silva, Marcelle C. N. Prado and Vagner R. Botaro	UFSCAR
A-18014	PRODUCTION OF NANOCELLULOSE FROM EUCALYPTUS BARK BIODEGRADED BY "PYCNOPORUS SANGUINEUS"	Ana C Vieira., Ligia L. N. Rocha, Ivana Cesarino and Alcides L. Leão	UNESP
A-18015	SISAL FIBER MODIFICATION BY COLD PLASMA TECHNIQUE	Mariana A. Henrique, Lorena L. C. Sousa, Camila C. Silva, Rogério V. Gelamo, Rosana M. N. Assuncao and Daniel Pasquini	UFU
A-18016	HOW TO SCALE UP ECO-FRIENDLY FILAMENTS FOR 3D PRINTERS USE?	L. Pereira, L. P. Godoy Cortes, J. H. H. Rossato, R.G.Lins; J. M.Marconcini, L. H. C. Mattoso, and G. L. Mantovani	UFABC
A-18017	AMAZON FIBERS CHARACTERIZATIONS: MALVA AND TUCUM	Hilton E. Oliveira, Juliana S. C. Cunha and Cristina G. Silva	UFAM

A-18018	CELLULOSE NANOCRYSTALS FROM MACAÚBA: EXTRACTION AND CHARACTERIZATIONS	Anderson F. Manoel, Pedro I. C. Claro, Fábio Galvani, José M. Marconcini and Gerson L. Mantovani	UFABC
A-18021	DETERMINATION OF LIGNIN, CELLULOSE, AND ASH CONTENTS IN "IN NATURA" AND BLEACHED CATTAIL (TYPHA DOMINGENSIS) FIBERS	Marivane T. Koschevic, Maycon dos Santos, Farayde M. Fakhouri and Sílvia M. Martelli	UFGD
A-18023	PRODUCTION AND NUMERICAL ANALYSIS OF SISAL FIBRES COMPOSITES BASED EPOXY MATRIX FOR REINFORCEMENT CONCRETE BEAM	Henrique M. Francklin, Leila A. C. Motta, Pedro H. R. Roquete, Jamila B. D. V. V. and Jesiel Cunha	UEMG
A-18024	LDPE/CF COMPOSITES: THERMAL, MECHANICAL PROPERTIES AND MORPHOLOGICAL CHARACTERISTICS	Larissa S. Montagna, Bianca S. Siqueira, Maikon S. Santos and Fábio R. Passador	UNIFESP
A-18025	ON THE GRAFTING OF STEARIC ACID ON NANOFIBRILLATED AND NANOCRYSTALLINE CELLULOSE USING A RENEWABLE ROUTE	Moises. S. Gomes, L. G. P. Tienne and M.F.V. Marques	IMA/UFRJ
A-18027	STUDY OF THE FIBER-MATRIX INTERFACE IN CEMENT-BASED COMPOSITES REINFORCED WITH PIASSAVA FIBERS	Marcio Mafra , Patricia das Neves and Holmer Savastano Junior	USP

#### B) Biobased and Biodegradable polymers: production and applications

Code	Title	Autors	Filiation
B-18001	STUDY OF POLY (BUTYLENE ADIPATE CO-TEREPHTHALATE) DISINTEGRATION AND BIODEGRADATION	Felipe M. Coelho, Patrícia M. S. Souza and Ana R. Morales	UNICAMP
B-18002	LITHIUM CATALYST CONCENTRATION INFLUENCE ON: BIOPOLYOLS STRUCTURE AND POLYURETHANE ADHESIVES PROPERTIES	Amanda M. Nacas, Anne C. Chinellato and Demetrio J. dos Santos	UFABC
B-18003	EVALUATION OF ACCELERATED WEATHERING TEST FOLLOWED BY BIODEGRADATION IN AQUEOUS MEDIUM OF PHBV/GNS NANOCOMPOSITES	Larissa S. Montagna, Ana P. Silva, Thaís L. A. Montanheiro, Gislene Zehetmeyer, Cristiane M. Becker, Ana P. Lemes and Mirabel C. Rezende	UNIFESP
B-18004	STUDY THE INFLUENCE OF PHOTODEGRADATION IN PLA/PBAT FILMS PROPERTIES	Rita C. B. C. Lamparelli, Larissa S. Montagna, Thaís L. A. Montanheiro and Ana P. Lemes	UNIFESP
B-18007	SYNTHESIS AND CHARACTERIZATION OF POLYTHIOPHENE BLENDS WITH POLY (N-VINYLCAPROLACTAM) FOR APPLICATION IN TISSUE ENGINEERING	Sara R. Nahra, Maurício P. Oliveira, Lília M. Guerrini and Fernando H. Cristovan	UNIFESP
B-18008	ANATOMICAL CHARACTERISTIC AT 350 °C OF DIPTERIX SP., HYMENAEA SP., GREVILLEA ROBUSTA E CEDRELA SP.	Juliano S. Vasconcelos, Ricardo M. Barreiros and Elias T. D. Severo	UNESP
B-18009	BARRIER PROPERTIES OF EDIBLE FILMS BASED IN GELATIN AND BURITI (MAURITIA FLEXUOSA) PULP	Juliana Carla Nunes, Pamela T. S. Melo, Fauze A. Aouada, Marcia R. de Moura	UNESP
B-18011	THERMAL PROPERTIES AND RELAXATION TIME OF POLY(LACTIC ACID)/ZINC OXIDE NANOCOMPOSITES EXTRUDED FILMS	Érica C. Faria, Maria I. B. Tavares and Marcos L. Dias	IFRJ – IMA/UFRJ
B-18012	RAPID ORALLY DISINTEGRATING POLYMERIC FILM INCORPORATED WITH COPAIBA OIL-RESIN	Amanda O. Rodrigues, Rosana L. Fialho and Elaine C. M. Cabral-Albuquerque	UFBA

B-18013	EXTRACTION AND CHARACTERIZATION OF STARCH OF DIFFERENT POTATO CULTIVARS	Francielli B. Silva, Juliana H. Lima, Taine Crotti, Milton C. Junior, Farayde M. Fakhouri and Silvia M. Martelli	UFGD
B-18014	PRODUCTION OF CORN AND POTATO STARCH POLYMERS WITH ADDITION OF COTTON FIBERS	Aline H. R. Harbs, Keyla C. Bicalho, Francisco C. Silva and Catia R. L. Aguiar.	UFSC
B-18015	STUDY OF THE POTENTIAL OF COLOCASIA ESCULENTA (L.) SCHOTT STARCH IN BIODEGRADABLE PACKAGING	Kely R. S. Avelino, Carlos W. P. Carvalho, Farayde M. Fakhouri, José I. Velasco and Silvia M. Martelli	UFGD
B-18016	CURCUMA LONGA STARCH: NATURAL POLYMER	Kely R. S. Avelino, Carlos W. P. Carvalho, Farayde M. Fakhouri, José I. Velasco and Silvia Maria Martelli	UFGD
B-18018	WHITE RICE STARCH: EXTRACTION, AND CHEMICAL AND STRUCTURAL CHARACTERIZATION	Luan R. Silva, José I. Velasco and Farayde M. Fakhouri	UFGD
B-18019	ANALYSIS BY GAS CHROMATOGRAPHY OF EDIBLE FILMS BASED ON GELATIN AND MELALEUCA ALTERNIFOLIA ESSENTIAL OIL	Farayde M. Fakhouri, Rene P. Lima, Fernando F. Lima, Claudia A.L. Cardoso, Vitor A.S. Garcia, Cristina T. Filgueiras, Marcelo Antunes and José Ignacio Velasco	UFGD
B-18020	INFLUENCE OF FIBER ADDITION ON THE SOLUBILITY AND WATER VAPOR PERMEABILITY OF FLEXIBLE FILMS BASED ON ARROWROOT OBTAINED BY THERMOPLASTIC EXTRUSION	Amanda D. Pereira, José I. Velasco, Marcelo Antunes, Lucia H. I. Mei and Farayde M. Fakhouri	UFGD
B-18021	PHYSICAL AND THERMAL CHARACTERIZATION OF PHBV BLENDS WITH ELASTOMERS	Fernanda Menezes, Thais F. Silva, Fabio R. Passador and Ana P. Lemes	UNIFESP SJC
B-18022	DOPED GREEN POLYURETHANES VERTICAL FLAMABILITY COMPARISON	Guilherme Waldow, Flaminio C. P. Sales, Ênio H. P. da Silva, Amanda A. X. da Silva and Romeu R. C. da Costa.	UTFPR
B-18024	ANALYSIS OF THE BIODEGRADATION OF FILMES WITH CITRUS PECTIN OBTAINED FROM APPLE BAGASSE	Luiza Rodrigues Perin, José Luis dos Santos and Mara Zeni	USC
B-18025	BIOCOMPOSITES OF STARCH – PROPERTIES AND THEIR IMPACTS ON AQUATIC ENVIRONMENTS	Lilian S. Silva, Raquel V. Busto, Paulo H. Camani, Leonardo Zanata, Lúcia H. G. Coelho, Roseli F. Benassi and Derval dos Santos Rosa	UFABC
B-18027	INCORPORATION OF RED PROPOLIS IN FILMS FROM RENEWABLE SOURCES	Cristina T. Filgueiras, Vitor A. S. Garcia, Farayde M. Fakhouri and Rafael A. Oliveira	UFGD
B-18028	INFLUENCE OF PACKAGING BASED ON GELATIN AND Melaleuca Alternifolia ESSENTIAL OIL IN CHICKEN BREAST	Rene P. Lima, Vitor A.S. Garcia, Cristina T. Filgueiras, Silvia M. Martelli, José I. Velasco and Farayde Matta Fakhouri	UFGD
B-18029	DEGRADATION OF BACTERIAL CELLULOSE IN DIFFERENT ENVIRONMENTAL CONDITIONS	Michely S.A. Camargo, Ana P. Cercal, Victoria S. Fonseca, Michele C.F. Garcia, Giannini P. Apati, Andréa L.S. Schneider and Ana P. T. Pezzin	UNIVILLE
B-18031	BACTERIAL CELLULOSE SCAFFOLDS FUNCTIONALIZED WITH	Fernanda L. Paterno, Michele C.F. Garcia, Carlos A. A. Junior, Marcia M.	UNIVILLE

	METAL PHOSPHATES FOR BIOMEDICAL APPLICATIONS	Meier, Daiara F. Silva, Giannini P. Apati, Andrea L.S. Schneider and Ana P. T. Pezzin	
B-18032	BACTERIAL CELLULOSE MEMBRANE DEVELOPMENT AND CHARACTERIZATION FOR APPLICATION IN ACTIVE PACKAGING	Giulia B. S. Silva; Eduarda Z. Neves, Victoria S. Fonseca, Michele C.F. Garcia, Giannini P. Apati, Ana Paula T. Pezzin and Andrea L.S. Schneider	UNIVILLE
B-18033	EXTRACTION AND CHARACTERIZATION OF STARCH OF DIFFERENT CULTIVARS OF CASSAVA FOR THE PRODUCTION OF PACKAGING MATERIALS FROM RENEWABLE SOURCES	Juliana H. Lima, Bruna Cavalcante, Silvia M. Martelli, Farayde M. Fakhouri and Auro A. Otsubo	UFGD
B-18035	PLA / NR BLENDS: PREDICTION OF THE CO-CONTINUOUS STRUCTURE AND THE INFLUENCE OF NATURAL RUBBER ON PLA PROPERTIES	Éder Baroni da Silveira, Pamela Sierra Garcia and Ticiane Sanches Valera	USP
B-18036	EDIBLE FILMS FROM PECTIN AND GUAVIRA (CAMPOMANESIA ADAMANTIUM): MECHANICAL AND BARRIER PROPERTIES	Gabriela S. Alencar, B.M. Febbo, Amanda.S. Godoi, J. Alberton, Farayde M. Fakhouri and Sílvia M. Martelli	UFGD
B-18037	INFLUENCE ON MECHANICAL PROPERTIES, COMPATIBILIZATION AND BIODEGRADATION OF NATURAL FILLERS INCORPORATED IN BIODEGRADABLE AGRICULTURAL FILMS	Julio Harada, José R. N. de Macedo, Alana G. de Souza and Derval S. Rosa	UFABC
B-18040	A STUDY ON REACTIVE BLENDING OF ALIPHATIC POLYESTERS	Marcos V. B. Nicolino and Marcia C. Branciforti	USP
B-18041	BIODEGRADABILITY OF THE NANOCOMPOSITES PBAT AND TREATED AND NON-TREATED NANOCCLAYS	José P. M. Toguchi, Paulo H. Camani and Derval S. Rosa	UFABC
B-18043	EFFECT OF SORBITOL ON PHYSICAL PROPERTIES OF CORN STARCH FILMS PRODUCED BY CONTINUOUS CASTING	Rafael M. Vanderlei, Bruno R. Luchesi, Luiz H. C. Mattoso, José M. Marconcini and Francys K.V. Moreira	Embrapa Instrumentação
B-18044	INFLUENCE OF CITRIC ACID IN THE PROPERTIES OF THERMOPLASTIC STARCH (TPS) AND NANOBIOCOMPOSITES OF TPS / BACTERIAL CELLULOSE	Talita A. Santos, Márcia A. S. Spinacé	UFABC
B-18045	DETERMINING BETA-SHEET CRYSTALLINITY IN SILK FIBROIN BY THERMAL ANALYSIS AND INFRARED SPECTROSCOPY	Thais F. R. Alves, Venâncio A. Amaral, Cecília T. Barros and Marco V. Chaud	Universidade de Sorocaba
B-18046	DEVELOPMENT AND EVALUATION OF LAMELLAR DENSE SCAFFOLD BASED IN COLLAGEN FOR TISSUE ENGINEERING	Thais F. R. Alves, Juliana F. de Souza, Mirella Sever and Marco V. Chaud	Universidade de Sorocaba
B-18048	POLY (D LACTIC ACID) FILM WITH ANTIFUNGAL PROPERTIES FOR APPLICATION IN AGRIBUSINESS	Rafaela R. Ferreira, Derval S. Rosa and Rondes F. S. Torin	FATEC Maua
B-18049	OPTIMIZATION OF THE PROCESSING CONDITIONS FOR GREEN PLANTAIN CHIPS COATED WITH CORN STARCH BASED FILM	Pamella V. Zamboni, Juliana A. Zaniolo, Priscila R. Duarte, Wander M. Barros and Daryne L. M. G. Costa	IFMT
B-18050	SYNTHESIS OF POLYLACTIC ACID: EVALUATION OF PROCESS VARIABLES	De Souza R.A., Maria I. R. Barbosa, Andre L. Jardini, Viktor O. C. Concha, Martins C. R., Rubens M. Filho and Maria R. W. Maciel	UNIFESP Diadema

B-18052	EVALUATION OF EUGENOL MIGRATION IN POLY (L-CO-D,L LACTIC ACID) (PLDLA)	Amanda A. Moraes, Gabrielle Z. de Oliveira, Paulo J. Bálamo, Daniel Komatsu and Maira L. R. Komatsu	FATEC Sorocaba
B-18053	RHEOLOGY OF COLLAGEN/MANGOSTEEN GELS AND SCAFFOLDS CHARACTERIZATION	Eduardo P. Milan, Virginia C. A. Martins and Ana M. G. Plepis	USP - SC
B-18054	RHEOLOGICAL STUDY OF CHITOSAN/GELATIN GELS INCORPORATED WITH POMEGRANATE PEEL EXTRACT	Mirella R. V. Bertolo, Murilo A. V. Rodrigues, Virginia C. A. Martins and Ana M. G. Plepis	USP - SC
B-18055	EFFECTS OF ETHANOL ON THE RHEOLOGICAL PROPERTIES OF FISH COLLAGEN	Murilo A. V. Rodrigues, Virginia C. A. Martins, Sérgio A. Yoshioka, Luiz H. C. Mattoso and Ana M. G. Plepis	USP - SC
B-18056	USE OF FLAVONOIDS TO OBTAIN POROUS COLLAGEN SCAFFOLDS	Claudio F. Garcia, Virginia C. A. Martins and Ana M. G. Plepis	USP - SC
B-18057	MECHANICAL, THERMAL AND MORPHOLOGICAL PROPERTIES OF PLA / POLYOLEFINS MELT BLENDS	Mariana F. C. Lopes, Liziane M. S. Carvalho, Vívian K, Bianchini and Carlos A. Razzino	UNESP
B-18058	TECHNICAL ASPECTS OF THE USE OF WOOD-PLASTIC COMPOSITES (WPC) FOR SUSTAINABLE DESIGN IN THE PRODUCTION OF PARTS BY INJECTION MOLDING	Vívian K. Bianchini and Carlos A. Razzino	UNESP
B-18059	DEVELOPMENT OF THE POLYMERIC FILM WITH ANTIBACTERIAL ACTIVITY TO THE LDPE/ATP BLEND WITH HYBRID CLAY/ESSENTIAL OIL	Marilia C. Farina, Jéssica F. Miranda, Larissa B. Pontes, Graciela Fujimoto, Derval S. Rosa and Rondes F. S. Torin	Fatec Maua
B-18060	MECHANICAL PROPERTIES OF PECTIN FILMS: EFFECT OF THE INCORPORATION OF ESSENTIAL OIL (NANO) EMULSIONS	Marcos V. Lorevice, Giuliana T. Franco, Caio G. Otoni, Márcia R. de Moura and Luiz H. C. Mattoso	Embrapa
B-18061	BIOPOLYMERS AND JATOBA RESIN SCAFFOLDS	Lívia C. Massimino, Virginia C. A. Martins and Ana M. G. Plepis	USP SC
B-18062	STARCH-POLY (BUTYLENE ADIPATE CO-TEREPHTHALATE) (PBAT) FILMS COINTANING OREGANO ESSENTIAL OIL	João A.S.de Medeiros, Carlos R.F. Grosso, Ana P. Blick, Fábio Yamashita, Elisângela Corradini and Lyssa S. Sakanaka	UFTPR
B-18064	OPTIMIZATION OF CHITOSAN BIOEXTRACTION FROM SHRIMP WASTE	Isabella C. Tanganini, Ligianne D. Shirahigue and Sandra R. C. Antonin	UFSCAR
B-18064	OPTIMIZATION OF CHITOSAN BIOEXTRACTION FROM SHRIMP WASTE	Isabella C. Tanganini, Ligianne D. Shirahigue and Sandra R. C. Antonin	UFSCAR
B-18065	PREPARATION AND CHARACTERIZATION OF BIODEGRADABLE PACKAGING OF POLY (LACTIC ACID)/LIGNIN COMPOSITES	Thaís Ferreira da Silva, Fernanda Menezes, Ana Paula Lemes and Fabio Roberto Passador	UNIFESP

G) Environment and Life-Cycle Assessment (LCA).

Code	Title	Autors	Filiation
G-18001	COMPARATIVE STUDY BETWEEN SANITARY LANDFILL AND INCINERATION FOR GENERATION OF ENERGY IN A REGIONAL	Benedito L. Martins, Alcides L. Leão and Ivana Cesarino	UNESP

	PROJECT FORMED BY A CONSORTIUM OF MUNICIPALITIES		
G-18002	Energy Potential Based on Gravimetric Composition and Calorific Power of Urban Solid Waste in the City of São Bernardo do Campo - SP	Fabricio J. B. Kumabe, Prosdocini, H. M., Carnietto, M. B., Ivana Cesarino. and Alcides L. Leão	UNESP
G-18003	EVALUATION OF THE DEGRADATION POTENTIAL OF POLY (ETHYLENE TEREPHTHALATE) - PET MEDIATED BY FILAMENTOUS FUNGI ISOLATED FROM DIFFERENT ENVIRONMENTS	Lusiane Malafatti-Picca, Michel R. de Barros Chaves, Aline Machado de Castro, Erica Valoni, Valéria Maia de Oliveira, Anita Jocelyne Marsaioli, Dejanira de Franceschi de Angelis, Derlene Attili de Angelis	UNESP
G-18004	CLEAN CYCLE: AN ALTERNATIVE FOR THE MANAGEMENT OF THE CITY ORGANIC RESIDUES	Julio R. Pinhel and Alcides L. Leão	UNESP
G-18006	PROPERTIES OF POLYMER BLENDS FROM SCRAP RECYCLING OF CELL PHONES AND LOW DENSITY RECYCLED POLYETHYLENE	Cássia T. S. Santos, Rui G. Casqueira and Dilma A. Costa	UFRRJ
G-18007	USES OF THE HUSK FROM MORINGA OLEIFERA SEED FOR BLAST FURNACE INJECTION	Alex M.A. Campos, Paulo S. Assis and Kátia M. Novak	UFOP
G-18008	COMPARISON OF THE ENVIRONMENTAL PERFORMANCE OF COALESCENT AGENTS USED IN DECORATIVE PAINT	Fábio Rosa, Cláudia C. Sánchez Moore, Gil A. Silva and Luiz Kulay	USP Poli
G-18009	ECO-EFFICIENCY OF PLA-STARCH-COTTON COMPOSITE WITH HIGH NATURAL COTTON FIBER CONTENT : ENVIRONMENTAL AND FUNCTIONAL VALUE	Sueli A. Oliveira, José R. N. Macedo and Derval S. Rosa	UFABC