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<b>Lignocellulosic Fibres from Corn Stalks as Alternative for the Production of Brown Grade Papers</b>	T064	Jirleska Flandez1, M.Àngels Pèlach1, Fabiola Vilaseca1, Julio Tijero2, Concepción Monte2, Ildefonso Pérez3, Pere Mutje1	<i>1Universidad Pontificia Bolivariana, Grupo Pulpa y Papel – Facultad de Ingeniería Química, Colombia.</i> <i>2Universidad de Guadalajara, Centro Universitario de Ciencias Básicas e Ingeniería, Departamento de Madera Celulosa y Papel “Ing. Karl Augustin Grellmann”, Guadalajara-México</i> <i>School of Materials Science and Engineering, East China University of Science &amp; Technology, 130 Meilong Road, Shanghai 200237. China.</i>
<b>Mechanism of Action of the Surface Active Agents in Neutral Flotation Deinking of Post-Consumer Wastepaper</b>	T112	Hader H. Alzate G.1, Jorge A. Velásquez J.1*, José Turrado S.2, Germán C. Quintana M.1, Darlin Aragon L.1, Andrés M. Dovale S.1, Belkis C. Sulbarán R.2	<i>1Universidad Pontificia Bolivariana, Grupo Pulpa y Papel – Facultad de Ingeniería Química, Colombia.</i> <i>2Universidad de Guadalajara, Centro Universitario de Ciencias Básicas e Ingeniería, Departamento de Madera Celulosa y Papel “Ing. Karl Augustin Grellmann”, Guadalajara-México</i>
<b>Methylation of Alkaline Lignin Without Formaldehyde</b>	T128	El Mansouri Nour-Eddine*, Qiaolong Yuan, Farong Huang	<i>School of Materials Science and Engineering, East China University of Science &amp; Technology, 130 Meilong Road, Shanghai 200237. China.</i>
<b>Microemulsions for Enhanced Biomass Pretreatment and Bioconversion</b>	T159	Orlando J. Rojas1, 2, Youssef Habibi1, Lucian A. Lucia1, Daniel Saloni1 and Carlos Salas1	<i>1Department of Forest Biomaterials, North Carolina State University, Campus Box 8005, Raleigh, NC 27695</i> <i>2Faculty of Chemistry &amp; Materials Sciences, Dept. Forest Products Technology, Aalto University, P.O. Box 3320, FIN-02015 TKK, Espoo, Finland</i>
<b>Hanges on Implementation Way of Kappa Number and its Impact on the Final Outcome</b>	T009	Marlene Dely Cruz1*, Célio Robusti2	<i>1Escola SENAI Theobaldo De Nigris - Rua Bresser, 2315 - Mooca – 03162-030 São Paulo, SP – Brasil.</i> <i>2Escola SENAI Theobaldo De Nigris - Rua Bresser, 2315 - Mooca – 03162-030 São Paulo, SP – Brasil.</i>
<b>Morphological and Physical Characterization of Agricultural Residues as a Source of Fibres for Papermaking</b>	T082	Rocio Jarabo1, M. Concepción Monte1*, Angeles Blanco1, Carlos Negro1, M. Angels Pelach2, Pere Mutje2, Julio Tijero1	<i>1Grupo de Celulosa y Papel, Chemical Engineering Dpt Faculty of Chemistry, Complutense University of Madrid, 28040 Madrid, Spain</i> <i>2Grup LEPAMAP. Universitat de Girona. Avd. Lluís Santaló, S/N. 17071- Girona, Spain</i>
<b>Morphological Characterisation of Pulp to Control Paper Properties</b>	T081	Ana Moral, M. Concepción Monte*, Elena Cabeza, Ángeles Blanco	<i>Cellulose and Paper Research Group, Chemical Engineering Dpt. Faculty of Chemistry, Complutense University of Madrid, 28040 Madrid, Spain</i>
<b>New Non-Ionic Surfactants in Semi-Neutral Deinking Processes</b>	T118	M.C. Llobato, F. Vilaseca, M. A. Pèlach, P. Mutjé	<i>Grupo LEPAMAP. Dpto. De Ingeniería Química, Escuela Politécnica Superior, Universitat de Girona. Avda. Lluís Santaló, S/N. 17071- Girona (Spain)</i>
<b>On The Recovery of Polysaccharides from Oxygen Delignification Stage of Eucalyptus Pulp</b>	T146	Beatriz Vega1,2*, Pedro Fardim1.	<i>1Ábo Akademi University, Lab. of Fibre and Cellulose Technology, Porthansgatan 3, FI 20500</i> <i>2Universidad de la República, Facultad de Química, Laboratorio de Biotatálisis y Biotransformaciones, General Flores 2124, UY 1157</i>
<b>Operating Cost Saving Opportunities in Effluent Treatment</b>	T020	Marten Krogerus1	<i>Pöyry Finland Oy.</i>



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<b>Optimization of the Chemical Modification of Cellophane with Cavasol (Complex Cyanide Cyclodextrine-Chloride)</b>	T111	Paola A. Cuartas Z., Jorge A. Velásquez J.*, Germán C. Quintana M.	<i>Grupo Pulpa y Papel, Universidad Pontificia Bolivariana, Circular 1 N° 70-01, Bloque 11, oficina 251, Medellín-Colombia</i> <i>1Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET).</i>
<b>Ozone and Activated Sludge Combination to Reduce Recalcitrant Cod of Chemimechanical Pulping Effluents</b>	T015	Area, M. Cristina <sup>1</sup> , 2*, Felissia, Fernando E.2, Meza, Pedro. R.3	<i>2Programa de Investigación de Celulosa y Papel - FCEQyN – Universidad Nacional de Misiones (UNaM) - Félix de Azara 1552 (3300) Posadas, Misiones, Argentina.</i> <i>3Maestría en Ciencias de Madera, Celulosa y Papel – FCEQyN-FCF – UNaM - Posadas, Misiones, Argentina.</i>
<b>Papermaking Aptitude of Fibres Proceeding from Whole Peas and Broad Beans Stalks</b>	T098	Jirleska Flández, M.Àngels Pèlach, Joan Serra*, Fabiola Vilaseca, Pere Mutjé	<i>LEPAMAP Group. Departament of Chemical Engineering (EQATA). Universitat de Girona. Campus Montilivi, Edifici P-I, 17071 Girona, Spain.</i> <i>* Estació Experimental Fundació Mas Badia, Carretera de la Tallada s/n 17134 La Tallada, Spain</i>
<b>Particleboard Production from Waste of Paper Industry</b>	T110	Paola A. Cuartas Z., Jorge A. Velásquez J.*, Germán C. Quintana M., Beatriz Garcés, Mariluz Betancur, Edgar Botero, Astrid Alvarez.	<i>Universidad Pontificia Bolivariana, Circular 1 N° 70-01, Bloque 11, oficina 251, Medellín-Colombia</i>
<b>Performance of Cationic Polyacrylamides in Papermaking - Flocculation, Drainage and Retention</b>	T078	Pinheiro I.1, Ferreira P.1*, Garcia F. P.2, Wandrey C.3, Amaral L.4, Hunkeler D.5, Rasteiro M. G.1	<i>1Research Centre for Chemical Processes Engineering and Forest Products, Chemical Engineering Department, Coimbra University, PORTUGAL</i> <i>2Chemical Engineering Department, Coimbra University, PORTUGAL</i> <i>3École Polytechnique Fédérale de Lausanne, SWITZERLAND</i> <i>4RAIZ - Institute of Forest and Paper Research, PORTUGAL</i> <i>5Aqua+ tech, SWITZERLAND</i>
<b>Potential of Acacia Wood for Kraft Pulp Production</b>	T131	Tiago E. S. Segura* <sup>1</sup> , Marina Zanão <sup>2</sup> , Francides G. Da Silva Jr.3	<i>1Laboratório de Química, Celulose e Energia - Departamento de Ciências Florestais, Universidade de São Paulo-Mestrando em Recursos Florestais</i> <i>2Laboratório de Química, Celulose e Energia - Departamento de Ciências Florestais, Universidade de São Paulo-Aluna de graduação em Engenharia Florestal</i> <i>3Laboratório de Química, Celulose e Energia - Departamento de Ciências Florestais, Universidade de São Paulo-Professor do Depto. de Ciências Florestais</i>
<b>Printing Quality of Papers Coated with a Modified Pigment Obtained by in Situ Synthesis of Silica Film on PCC</b>	T027	Ana F. Lourenço, José A. F. Gamelas*, Pedro Faustino, Paulo J. Ferreira*	<i>Chemical Engineering Department, University of Coimbra, Pólo II – R. Sílvio Lima, 3030-790 Coimbra, Portugal</i>
<b>Production of Furfural, Lignin And Ethanol From Sugarcane Bagasse</b>	T006	Leyanis Mesa Garriga* <sup>1</sup> , Erenio González <sup>1</sup> , Cristóbal Cara <sup>2</sup> , Eulogio Castro <sup>2</sup> , Juan Carlos Villar <sup>3</sup>	<i>1Center of Process Analysis, Central University of Las Villas, Ctra. Camajuani km 5.5, Santa Clara, Cuba</i> <i>2Department of Chemical, Environmental and Materials Engineering, University of Jaén, Campus Las Lagunillas, 23071 Jaén, Spain</i> <i>3 INIA. Madrid. Spain</i>
<b>Proteomics Tools for the Detection of Novel Enzymes with Application in Paper Industries</b>	T165	Susana V. Valenzuela <sup>1</sup> , Cristina Valls <sup>2</sup> , M. Blanca Roncero <sup>2</sup> , Pilar Diaz <sup>1</sup> , and F. I. Javier Pastor <sup>1</sup> *	<i>1Dep. Microbiología, Facultad de Biología, Universitat de Barcelona, Av. Diagonal 645 Barcelona, 08028 España</i> <i>2Dep. Ingeniería Textil y Papelera (ETSEIAT), Univ. Politècnica de Catalunya, Colom 11, 08222, Terrassa.</i>
<b>Recalcitrant Cod Degradation of Chemimechanical and Semi-Chemical Processes Spent Liquors by Wet Oxidation</b>	T016	Area, María.C.* <sup>1,2</sup> , Felissia, Fernando.E.2, Barboza, Olga.M.2, Bengochea, Dora.1.2	<i>1Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET).</i> <i>2Programa de Investigación de Celulosa y Papel - FCEQyN – Universidad Nacional de Misiones (UNaM) - Félix de Azara 1552 (3300) Posadas, Misiones, Argentina.</i>
<b>Remote Health Monitoring of Critical Parts in Pulp Washing and Bleaching Rigs</b>	T173	Paulo M. R. Falcão <sup>1</sup> , Alejandro N. Cruz <sup>1</sup> , José E. G. Oliveira <sup>1,3</sup> , Hugo Oliveira <sup>2</sup> , Francisco J. A. Cardoso <sup>1,3</sup> *	<i>1ENEIDA, Lda., Edifício IPN – Rua Pedro Nunes, 3030-199 Coimbra, Portugal</i> <i>2Grupo Portucel Soporcel, FPS – Fábrica de Pasta e Papel de Setúbal, Setúbal, Portugal</i> <i>3Universidade de Coimbra, Departamento de Física, Rua Larga da Universidade, 3004-516 Coimbra, Portugal</i>
<b>The Potential on Energy Saving Within Dewatering Elements. Robaceram-PX the Energy Saver</b>	T086	Michael Heitzinger	<i>Röchling Leripa Papertech GmbH &amp; Co KG</i>
<b>Role of Several Vascular System Genes under the Control of Two Class III HD-ZIP Promoters in <i>Arabidopsis thaliana</i></b>	T074	Elisa M. Figueiredo <sup>1</sup> *, Rita T. P. Teixeira <sup>2</sup> , Jorge M. Canhotol	<i>1Center of Pharmaceutical Studies, Department of Life Sciences, University of Coimbra, Ap. 3046, 3001-401 Coimbra, Portugal.</i> <i>2Superior Institute of Agronomy, Tapada da Ajuda, 1349-017 Lisbon, Portugal</i>
<b>Solid Density and Dot Gain Properties of Alkali Sized Some Recycled Papers</b>	T025	Cem Aydemir <sup>1</sup> *, Arif Karademir <sup>2</sup> , Hülya Varlıbaş <sup>2</sup> and Sami Imamoglu <sup>3</sup>	<i>1Marmara University Faculty of Technical Education, Department of Printing, Goztepe Campus, 34722 Goztepe, Istanbul, Turkey</i> <i>2*Kahramanmaraş Sutcuimam University, Faculty of Forestry, Department of Forest Product Engineering, Bahcelievler Campus, 46100 Kahramanmaraş, Turkey</i>



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			<i>3Artvin Coruh University, Faculty of Forestry, Department of Forest Product Engineering, 08000 Artvin, Turkey</i>
<b>Strategies to Reduce the Brightness Reversion of Industrial ECF Bleached <i>Eucalyptus globulus</i> Kraft Pulp</b>	T065	Isabel M. C. L. Sêco 1* Carlos Pascoal Neto 2, Armando J. D. Silvestre 2	<i>1Portucel – Empresa Produtora de Pasta e Papel, S. A., Cacia Mill, Rua Bombeiros da Celulose, 3800-536 Cacia, Portugal</i> <i>2CICECO and Department of Chemistry, University of Aveiro, 3810-193 Aveiro, Portugal</i>
<b>Study of Hydroxymethylation Reaction of Alkaline Lignin for Use in Phenolic Resins</b>	T120	El Mansouri Nour-Eddine*, Qiaolong Yuan, Farong Huang	<i>School of Materials Science and Engineering, East China University of Science &amp; Technology, 130 Meilong Road, Shanghai 200237. China.</i>
<b>Study of Sugar Cane Bagasse Prehydrolysis for Ethanol Production</b>	T183	Diana R. Abril1, Marelys Medina2 , Alejandro Abril3*	<i>1Universidad Católica del Maule, Talca, Chile</i> <i>2UIP de la Celulosa del Bagazo Cuba-9</i> <i>3UIP de la Celulosa del Bagazo Cuba-9</i>
<b>Surface Energy and its Relation to the Bonding Capacity of Unbleached Recycled Fibers</b>	T180	Miguel A. Citroni1, Miguel A. M. Zanuttini1*, Paulo Ferreira2	<i>1Instituto de Tecnología Celulósica, Facultad de Ingeniería Química, Universidad Nacional del Litoral. Santiago del Estero 2654 S3000 AOJ, Santa Fe, Argentina.</i> <i>2Centro de Investigação em Engenharia dos Processos Químicos e dos Produtos da Floresta, Departamento de Engenharia Química, Faculdade de Ciências e Tecnologia, Universidade de Coimbra. Polo II - Pinhal de Marrocos, 3030-790 Coimbra, Portugal</i>
<b>Surface Modification of a Commercial Paper by Cold Plasma vs Recycling</b>	T150	Filipe Gordino1, Maria Emília Amaral1, Carla Gaiolas1, Naceur Belgacem2 e Ana Paula Costa1*	<i>1Unidade de Materiais Têxteis e Papeleiros, Universidade da Beira Interior, Rua Marquês d'Avila e Bolama, 6201-001 Covilhã</i> <i>2École Internationale du Papier de la Communication Imprimée et des Biomateriaux, Institute National Polytechnique de Grenoble - France</i>
<b>Synthesis and Characterization of Kraft Lignin-Based Epoxy Resin</b>	T121	El Mansouri Nour-Eddine*, Qiaolong Yuan, Farong Huang	<i>School of Materials Science and Engineering, East China University of Science &amp; Technology, 130 Meilong Road, Shanghai 200237. China.</i>
<b>Tagasaste Valorization Under Biorefining Processing</b>	T034	Ascensión Alfaro* 1, Francisco López2, Antonio Pérez3, Juan C. García 4, Minerva A.M. Zamudio5	<i>1Departamento de Ciencias Agroforestales de la Universidad de Huelva. Avda. Fuerzas Armadas s/n. 21071. Huelva. España.</i> <i>2,3,4,5Departamento de Ingeniería de la Universidad de Huelva. Avda. Fuerzas Armadas s/n. 21071. Huelva. España.</i>
<b>Techno-Economic Comparison of Alternatives for the Production of Ethanol and By-Products from Sugarcane Bagasse</b>	T007	Erenio González Suárez*1, Leyanis Mesa1, Yaser Oliva1, Cristóbal Cara2, Eulogio Castro2, Juan Carlos Villar3	<i>1Center of Process Analysis, Central University of Las Villas, Ctra. Camajuani km 5.5, Santa Clara, Cuba</i> <i>2Department of Chemical, Environmental and Materials Engineering, University of Jaén, Campus Las Lagunillas, 23071 Jaén, Spain</i> <i>3 INIA. Madrid. Spain</i>
<b>The Influence of Digester Additives on the Control of Extractives in Eucalyptus and Birch Kraft Pulp</b>	T123	Juha P.T. Fiskari1*, Peter Drew2	<i>1Consultant, FI-07410 KrÄk, Finland</i> <i>2BasTech LLC, ch. en vuaracaux, 1297 Founex, Switzerland</i>
<b>The Influence of Fibrous Composition and Structural Properties of Newspaper in Printing Density and Set-Off</b>	T062	N. Gómez1*, C. Molleda1, J.C Villar2, R. Quiles2 y P. Ferreira3	<i>1Departamento de Ciencias Básicas Aplicadas a la Ingeniería Forestal; EUIT Forestal, Universidad Politécnica de Madrid. Ramiro de Maeztu s/n, 28040 – Madrid. España.</i> <i>2Laboratorios de Celulosa y Papel CIFOR-INIA. Ctra. de La Coruña Km 7,5. 28040 Madrid. España.</i> <i>3Chemical Engineering Department, University of Coimbra, Pólo II – R. Silvio Lima, 3030-790. Coimbra, Portugal</i>
<b>The Role of Pigments on Gloss and Ink Absorption Speed for Photo Inkjet Papers</b>	T181	Viviane A. Alecrim 1*, David Croll1 , 2, Daniel Weinzierl 2, Rainer Klein 2, Knut Hornig 3, Kleemann 1	<i>1Munich University of Applied Sciences. MUAS. Lothstrasse 34. 80335 Munich, Germany.</i> <i>2Paper Technology Specialists, Pirnaer Straße 37. 01809 Heidenau, Germany.</i> <i>3Felix Schoeller Jr. Foto- und Spezialpapiere GmbH &amp; Co. KG. 49086 Osnabrück, Germany</i>
<b>Thermogravimetric Characterization of Eucalyptus Wood</b>	T033	Agustín G. Barneto1*, Rocio B. Hernández1, Julia M. Berenguer2	<i>1Chemical Engineering Department, Campus El Carmen, Huelva University, 21071 Huelva, Spain</i> <i>2Chemical Engineering Department. Alicante University. P.O.Box 99, 03080 Alicante, Spain.</i>
<b>Ultrasonic System and Method for Analysing Paper Properties</b>	T040	José Velho 1*, Mário João Santos 2	<i>1Department of Geosciences, University of Aveiro, Portugal</i> <i>2Department of Electrical and Computer Engineering, CEMUC, FCTUC, Coimbra, Portugal Pólo II, Pinhal de Marrocos, 3030-290 Coimbra, Portugal</i>
<b>Use of Label Base Papers as Secondary Fibers</b>	T069	Neves, J. M.1 D'Almeida, M.L.O.2 Ewerton S. P. Ferrão3 Koga, M.E.T.2 Ota, S.2	<i>1IPT e EPUSP, Brasil</i> <i>2IPT, Brasil</i> <i>3Estagiário do IPT, aluno de Eng. Química da Escola Politécnica da USP</i>
<b>Use of Thermogravimetry Analysis to Control the Industrial Production of Pulp</b>	T032	Agustín G. Barneto1*, Rocio B. Hernández, José A. Carmona	<i>1Chemical Engineering Department, Campus El Carmen, Huelva University, 21071 Huelva, Spain.</i>
<b>Use of Xylanase and Laccase-Mediator Systems for Bleaching Sisal Pulp – Comparing the Effectiveness of a Natural and a</b>	T132	Elisabetta Aracri*, Teresa Vidal	<i>Universitat Politècnica de Catalunya, Textile and Paper Engineering Department, Colom 11, E-08222 Terrassa, Spain.</i>



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**Synthetic Mediator**

<b>Using Wood and Non-Wood Fibers as a Reinforcement to Produce Recycled Paper from Newspapers</b>	T100	Esteban Revilla1*, María E. Eugenio1, Raquel Martín-Sampedro1, Juan C. Villar1 Sanchi K. Nenkova*, Radka I. Garvanska,	<i>Instituto de Investigación y Tecnología Agraria y Agroalimentaria INIA. Carretera de la Coruña, km 7.5, 28040, Madrid</i>
<b>Wood Polymer Composites for Electromagnetic Wave Protection</b>	T068	Miroslav N. Kulevski, Kiril V. Dimitrov, Nikolai D. Bakalov	<i>University of Chemical Technology and Metallurgy, Sofia 1756, 8 Kl. Ohridski str. Bulgaria</i>
<b>Xylanase Application in Eucalyptus Kraft Pulp Bleaching with Peracetic Acid</b>	T088	Ildefonso, Perez1*; M. Jesús, de la Torre1; Ana, Marin1; Malgorzata, Kowalska1; Ana, Moral2; Pere, Mutjé3	<i>1Ingeniería Química. Universidad Pablo de Olavide. Ctra. Utrera km. 1. 41013 Sevilla. España. 2Ingeniería Química. Universidad Complutense de Madrid. Ciudad Universitaria. 28040 Madrid. España 3Ingeniería Química. Universitat de Girona. Plaza Sant Domènec, 1. 17071 Girona, España</i>