



**INTERNATIONAL  
ACADEMY OF  
WOOD  
SCIENCE**  
2018  
ANNUAL MEETING  
*"Biosustainable materials: Key to a better future"*

**POSTERS SESSION**

**ROOM DAMAJUANA  
TUESDAY, OCTOBER 16<sup>th</sup>  
18:00 – 19:30**

(Poster dimensions 90 cm x 120 cm)

<b>ID</b>	<b>Title</b>	<b>Topic</b>
19	Study of the potential of the biomass of <i>Atriplex nummularia</i> plantations as a raw material	BIOREF-P
23	Phenolic compounds and antioxidant capacity in infusions of oak leaves	BIOREF-P
37	Kraft lignin isolation via an eco-friendly technique	BIOREF-P
41	Biochar functionalized by HSO <sub>3</sub> of <i>Agave tequilana</i> Weber leaves	BIOREF-P
57	Zwitterionic functionalization of the polysaccharide present in <i>Opuntia ficus indica</i> and its possible application in ion uptake of polluted water	BIOREF-P
65	Hexavalent chromium removal present in water using functionalized hydrochar with HSO <sub>3</sub>	BIOREF-P
75	Biogas production from corn-stock treated by organosolv process	BIOREF-P
34	Iron nanoparticles supported on microfibrillated cellulose for the removal of As(V) from aqueous solution	CELNANO-P
35	Evaluation the effect of cross-linking with BTCA and reinforcement with cardboard (OCC) microfibers on the properties of plasticized starch	CELNANO-P
44	Preparation and characterization of cellulose nanocrystals (NCCs) from acid hydrolysis of huizache soluble grade cellulose ( <i>Acacia farnesiana</i> L. Willd).	CELNANO-P
5	Characterization of acrylic acid-co-acrylamide hydrogels reinforced with TEMPO-oxidized Agave tequilana bagasse cellulose nanofibers	CELNANO-P
50	High performance all-biobased nanocomposite materials	CELNANO-P
68	OBTAINING CELLULOSE NANOCRYSTALS BY HYDROCHLORIC ACID FROM AGROINDUSTRIAL BAGASSE	CELNANO-P
79	Hydrogels based on spruce xylan loaded with silver nanoparticles	CELNANO-P
80	Obtainment and characterization of nanocomposites thermoplastic starch/nanofibers and nanocrystals from tequila agave bagasse	CELNANO-P
54	Solar dryer for sawn lumber: technology for the small and medium forest industry	FOR-P
73	Energy assessment of wood chips of the industry of puebla state	FOR-P

74	Quality of charcoal obtained from <i>Eucalyptus camaldulensis</i>	FOR-P
78	Habitat suitability models for <i>Dodonaea viscosa</i> in Mexico	FOR-P
81	Evaluation of water stress in <i>Pinus devoniana</i> Lindl., In preconditioning stage in nursery under the application of silicon	FOR-P
30	Contact angle evaluation of sustainable adhesive formulations over lignocellulosic materials	SUSTBIO-P
38	Obtaining graphene from coconut lignin using high temperature plasma	SUSTBIO-P
40	Mechanical characterization of glycidyl methacrylate-compatible poly(lactic acid)/natural fibers biocomposites	SUSTBIO-P
43	Chemical composition of the essential oil from <i>Ageratina</i> sp and its repellent effect on drywood termite <i>Incisitermes marginipennis</i>	SUSTBIO-P
46	Effect of thermal treatment in hot oil on hardness of <i>Acrocarpus fraxinifolius</i> wood	SUSTBIO-P
47	Mechanical characterization of green biocomposites based on polyhydroxybutyrate and natural fibers	SUSTBIO-P
51	Thermomechanical performance of polymeric blends and composites formulated with biodegradable components	SUSTBIO-P
55	Sonosynthesis in situ of TiO <sub>2</sub> nanoparticles on cellulose fibers and evaluation of their antibacterial properties.	SUSTBIO-P
56	Extraction of hemicellulose from agave bagasse for synthesis of stimuli-sensitive hybrid hydrogels and their characterization	SUSTBIO-P
58	Effect of thermal annealing on the mechanical and thermal properties of wood fiber reinforced biocomposites based on poly(lactic acid)	SUSTBIO-P
62	Biocomposites of poly(lactic acid) (PLA) and chitosan reinforced with cellulose nanocrystals, for potential applications in cartilage regeneration: A review.	SUSTBIO-P
66	Study of the stability of sizing with cetena dimeter (akd) in paper structuring from recycled fiber	SUSTBIO-P
70	Mechanical properties of natural fibers with biosynthesized silver nanoparticles (AgNPs)	SUSTBIO-P
9	Lignocelulosic waste as carbon source for the production of biopolyesters by bacteria isolated from forest soil	SUSTBIO-P
17	Understanding wood density through its associated components: insights from successional tropical dry forest trees	WS&Q-P
22	Identification of wooden species through genetic markers	WS&Q-P
25	RFV drying of <i>Eucalyptus nitens</i> juvenile wood	WS&Q-P
31	Development and evaluation of wood boards comparing three sustainable adhesive formulations in their manufacture	WS&Q-P
33	Species with potential for pulp for paper production from two plant communities in Mexico	WS&Q-P
6	Behavior to the wood biodeteriorum of pine radiata ( <i>Pinus radiata</i> d.don) treated with copper-azole (CA-B), against pudding fungi and underground termite	WS&Q-P
64	Study of the potential of three species of Mexican oak for the manufacture of barrels	WS&Q-P