5th BRAZILIAN NANOCELLULOSE SUMMIT 2025

Pitch Presentation Schedule

Group 1 (11:00 – 12:10)

Presentation number	CNM type	Title	Presenter
1	CNC	Nanocomposite based-cellulose nanocrystals as a sorbent for the preconcentration of PAHs in water samples	Luciana Reis
2	CNC	Exploring The Potential Of Cellulose Autofluorescence For Optical Detection Of Tannin In Red Wines	Kelcilene B. R. Teodoro
3	CNC	Cellulose nanocrystals cholesteric films: influence on lanthanide spectroscopy and potential circularly polarized emission	Pedro Henrique de Lara Sanches
4	CNC	3D-printed photonic structures based on gellan gum and nanocellulose with anisotropic plasmonic particles	Francisco Recco Torres
5	CNC/CNF	From agricultural waste to advanced materials: CNC and CNF production from pineapple leaf fibers	Fernanda Andrade Tigre da Costa
6	CNC/CNF	Cellulose Nanomaterials as Rheological Additives for Cosmetic Lamellar Formulations	Carla Manuela Sganzerla Sabino
7	CNC/CNF	Lignocellulose-Based Nanostructured Multilayers for Sustainable Packaging	Tawani Lorena Naide Acosta
8	CNS	Energy-efficient enzymatic platform for the tunable production of cellulose nanospheres and other nanocellulose structures	Sergio Luis Yupanqui Mendoza
9	BNC	Sustainable Valorization of Dairy By-products as Substrates for Bacterial Nanocellulose Production	Débora Bohrer de Lima
10	CMF	Capture and Detection of Microplastics and Dye in Water Using Cellulose Microfibers via Raman Spectroscopy	Marcelo José dos Santos Oliveira
11	CMF	Crosslinking of Porous Cryogels from Oxidized Sugarcane Bagasse Microfibril	Tais S Almeida

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Group 2 (15:30 – 16:50)

Presentation number	CNM type	Title	Presenter
1	CNF	Influence of nanocellulose charge density and size on kaolin flocculation performance	Daiane Batista da Silva
2	CNF	Effect of functionalization on cellulose microfibers on the removal and detection via SERS of the pesticide thiabendazole in water	Guilherme Dognani
3	CNF	Arginine-Mediated Redispersion of TEMPO-Oxidized Cellulose Nanofibrils for Scalable Colloidal Glass Applications	Rafael de Lima
4	CNF	Thermal-mechanical evaluation of hydroxypropylated starch as plasticizer for conventional thermoplastic starch films reinforced with cellulose nanofibrils	Henrique S. M. Lopes
5	CNF	Simplified methodology to obtain TEMPO-oxidized CNFs from sugarcane bagasse and Pilot-Plant upscaling	Pedro Sales Toro Alonso
6	CNF	Preparation of cellulose nanofibrils via oxypropylation of cellulose fibers	Lucas Repecka Alves
7	CNF	Tuning interfacial interactions between cationic nanocellulose and anionic clays for stable dispersions	Gabriele Polezi
8	CNF	All-Cellulose Coatings for Low-Grammage Paper	Matheus Fernandes Flores
9	CNF	One-Step Preparation of Multiple Pickering Emulsions Stabilized by Cellulose Nanofibrils	Maria Clara dos Santos Oliveira
10	CNF	Investigating Oil Absorption Kinetics in Nanocellulose Cryogels via Synchrotron 4D X-ray Tomography	Juliana Martins da Silva
11	CNF	Engineering hydrophobic cellulose nanofibrils via lipase-catalyzed esterification: mechanistic and functional analysis	Guilherme Rezende Costa
12	CNF	Optimized nitro-oxidation of sugarcane pulp for the production of carboxylated nanocellulose hydrogels for heavy metal adsorption	Andressa Silva Gomes
13	CNF	T-Complex Bioingredient from Marine Ascidians	Julio Cesar da Costa
14	LCNF	Lignocellulosic nanofibrils filling biodegradable thermoplastic nanocomposites: the role of residual lignin in the compatibility between hydrophilic and hydrophobic phases	Pedro Henrique Kenzo Nishimoto