

CONGRESSO CARBONO 2026

6° Congresso Latino Americano de Materiais de Carbono

4° Encontro Nacional do Fórum Grafeno

1° Encontro do INCT de NanoCarbono e Materiais 2D

UFMG - Universidade Federal de Minas Gerais - Pampulha, Belo Horizonte | 16 - 19 de Novembro, 2026

PÔSTERES DIGITAIS - TERÇA-FEIRA – 17/11 - ATENÇÃO

INCT NANOCARBONO E MATERIAIS 2D - TERÇA-FEIRA (17/11) –

ID		Author	Institution	Title	Time
1.	**Totem 1 Responsável: JOAQUIM BONFIM SANTOS MENDES (10min + 5min)**	ALANA SOUZA FERREIRA DA CRUZ	MACKENZIE	IMAGE ANALYSIS OF PLASMONIC SCATTERING IN A PHOTONIC BIOSENSOR	18:00 – 18:15
2.		ANA PAULA CARDOSO	UFPR	CNT/MoS2/PB Nanocomposites as Efficient Cathodes for Aqueous Potassium-Ion Batteries	18:15 – 18:30
3.		ANDRÉ SALLES DA SILVA	UFF	Configurational Control of Ferroelectricity and Optica Properties in Quasi-one-dimensional chalcohalides	18:30 – 18:45
4.		ANDREZA DE JESUS SIQUEIRA	UFOP	TEMPO-OXIDIZED NANOCELLULOSE AS A DISPERSING AGENT FOR CARBON NANOTUBES IN HUMIDITY SENSORS	18:45 – 19:00
5.		ANDRIELE SILVA VIEIRA	UFV	Large-area sputtered 2H-MoS2 thin films for spin and orbital charge conversion	19:00 – 19:15
6.		ANTONIO G DOS SANTOS NETO	FURB	DEVELOPMENT OF rGO-SUPPORTED NICKEL–MOLYBDENUM NANOCOMPOSITES VIA A MODIFIED POLYOL ROUTE FOR ENERGY STORAGE AND ELECTROCHEMICAL SENSING	19:15 – 19:30
7.	**Totem 2 Responsável: HÁLLEN DANIEL REZENDE CALADO (10min + 5min)**	ARYANE TOFANELLO DE SOUZA	UFABC	Organic Spacer Chemistry as a Design Rule for Magnetic Dimensionality in Lead-Free Layered $CuBr_4$ Perovskites	18:00 – 18:15
8.		BRAYAN VANDERLEI ANACLETO DA SILVA	UFPR	POLYANILINE, GOLD, AND REDUCED GRAPHENE OXIDE NANOCOMPOSITES ON A SILICA SUBSTRATE AS AN ACID/BASE SENSOR.	18:15 – 18:30
9.		BRUNA VIEIRA DA SILVA	UEFS	Effect of ZnO Nanoparticles on the Growth of Colletotrichum spp.	18:30 – 18:45
10.		BRUNO SOUZA ZANATTA	UFU	Electrochemical Inhibition Evaluation and ROA-Confocal Characterization of Modified Graphene Tracks for β-Amyloid Peptide Immobilization	18:45 – 19:00
11.		CARLA REQUENA KLIMPOVUZ	UFPR	NANOARCHITECTED MoS2/GOLD NANOPARTICLES THIN FILMS FOR GREEN HYDROGEN PRODUCTION: MECHANISTIC INSIGHTS AND ELECTROCATALYSIS	19:00 – 19:15
12.		CARLOS RODRIGO MOURA CAVALCANTE	UFPB	Edge doping of zigzag graphene nanoribbons: a systematic width-dependent study of stability, electronic structure and optical response via DFT	19:15 – 19:30
13.		CESAR RAITZ JUNIOR	UFRJ	Construction of a Scanning Electrochemical Cell Microscope	18:00 – 18:15

14.	**Totem 3 Responsável: ELIZANE EFIGENIA DE MORAES (10min + 5min)**	CLAUDIO RIBEIRO DA SILVA	UFF	Machine Learning Investigation of Polar κ-$(Al_xGa1-x)_2O_3$ Alloys for Ultra-Wide Bandgap Applications	18:15 – 18:30
15.		DANIEL DA SILVA SALES	UFPB	First-Principles Investigation of Vacancy Effects on the Electronic and Optical Properties of Monolayer MoSe2	18:30 – 18:45
16.		DÉBORA NAZARÉ DE FREITAS	UFBA	NANOFLUIDIC TRANSPORT AND FRICTION SIMULATIONS IN CARBON NANOCONES	18:45 – 19:00
17.		Mirian Denise Stringasci	MACKENZIE	EVALUATION OF CELL DEATH PATHWAYS INDUCED BY PHOTODYNAMIC AND PHOTOTHERMAL THERAPY USING GRAPHENE OXIDE AND INFRARED IRRADIATION	19:00 – 19:15
18.		DIEGO EDISON LOPEZ SILVA	UFABC	Moiré Engineering: Tunable Quantum States in Van der Waals Heterostructures by proximity effects	19:15 – 19:30
19.		Joana Claudio Pieretti	MackGraphe	MULTIFUNCTIONAL BIOACTIVE POLYMERIC HYDROGELS IN-TEGRATED WITH A GRAPHENE OXIDE-REINFORCED MATRIX FOR ADVANCED BURN AND WOUND REPAIR	19:30 - 19:45
20.	**Totem 4 Responsável: ALENCAR KOLINSKI MACHADO (10min + 5min)**	EDUARDA RUBIN	UFPR	PREPARATION AND APPLICATION OF TRICOMPONENT THIN FILMS OF MOS2, GRAPHENE OXIDE, AND COPPER OXIDE FOR HYDROGEN EVOLUTION	18:00 – 18:15
21.		DJENIFER LETICIA ULRICH BICK	UFN	SAFETY AND BIOCOMPATIBILITY IN VITRO ASSESSMENT OF GRAPHENE OXIDE-BASED MATERIALS: Fe:GO AND PEDOT:Fe:GO	18:15 – 18:30
22.		EDER MOTA SANTOS	MACKENZIE	ALL-FIBER OPTOFLUIDIC DEVICE FOR LUMINESCENCE-BASED REFRACTOMETRIC SENSING	18:30 – 18:45
23.		EDUARDO FONSECA MAIA	UFPR	One-Pot Synthesis of Nanoarchitectured Thin Films Formed by Metallic Nanoparticles and Carbon Nanomaterials on Silica Substrates for Op. Applications	18:45 – 19:00
24.		JULIO JESÚS REYES SALAZAR	UFABC	SYNTHESIS AND PHYSICOCHEMICAL CHARACTERIZATION OF GRAPHENE OXIDE AND METAL OXIDES FOR POTENTIAL AGRONOMIC APPLICATIONS	19:00 – 19:15
25.		ESNEIDER ENRIQUE CABRERA DIAZ	UFOP	Electronic Structure and Optical Properties of Fullerene and Non-Fullerene Donor–Acceptor Complexes for Organic Solar Cell Applications	19:15 – 19:30
26.	**Totem 5 Responsável: JULIANA CALDEIRA BRANT (10min + 5min)**	FELIPE AIRES SANTOS	UFG	MODULATION OF THE ELECTRONIC PROPERTIES OF GRAPHENE ON 6H-SIC AND OXYNITRIDE LAYERS: A DFT APPROACH	18:00 – 18:15
27.		FELIPE GERHA B. OTAVIANO DA SILVA	MACKENZIE	Quantum-Compatible Frequency Conversion in Hybrid Silicon Nitride–2D Material Waveguides	18:15 – 18:30
28.		FELLIPE AUGUSTO SANTIAGO DA SILVA	UFOP	IN SILICO STUDY OF ELECTRONIC AND VIBRATIONAL PROPERTIES OF BORON-DOPED GRAPHENE VIA DFT	18:30 – 18:45
29.		FERNANDO JOAQUIN SANCHEZ QUISPE	UFABC	EFFECT OF REDUCED GRAPHENE OXIDE AND MULTILAYER GRAPHENE ON ELECTROACTIVE-PHASE DISTRIBUTION N PVDF FILMS FOR BIOMEDICAL ENERGY HARVESTING	18:45 – 19:00
30.		FERNANDO RIBEIRO ESTIGARRIBIA BORGES	UFBA	Advancing Carbon Nanoribbons: Structural and Electronic Properties	19:00 – 19:15
31.		FILSSEN NATANAEL SOUZA SCHEREIBER	CBPF	ORBITAL TEXTURES AND ORBITAL CURRENTS IN A px-py HONEYCOMB LATTICE	19:15 – 19:30
32.	**Totem 6 Responsável: RODRIGO LASSAROTE**	FLÁVIO SANTANA MICHELS	UFMS	NIOBIUM OXIDE-DECORATED REDUCED GRAPHENE OXIDE AEROGELS AS CANDIDATE PSEUDOCAPACITOR ELECTRODES	18:00 – 18:15
33.		GABRIEL CASTELLO BRANCO GOMES	UFPR	Functionalized graphene oxide nanocatalysts for organophosphate destruction	18:15 – 18:30

34.	**LAVALL (10min + 5min)**	GABRIEL HENRIQUE PERIN	UFG	Tuning the Electronic Properties of 2D Carbon Allotropes on a Ru/SiO_2 Heterostructure: A First-Principles Study	18:30 – 18:45
35.		GABRIEL MUSSALAM VIEIRA DA SILVA	UFF	Engineering Fractal Quantum Wells	18:45 – 19:00
36.		GIBSON SANTOS BAHIA	UFJF	GROWTH AND CHARACTERIZATION OF HALOGEN-DOPED (Cl, I) CsPb2Br5 CRYSTALS	19:00 – 19:15
37.		GIOVANA KOLINSKI COSSETTIN BONAZZA	UFN	IN VITRO BIOSAFETY ASSESSMENT OF GRAPHENE OXIDE AND ITS DERIVATIVES IN VERO CELLS	19:15 – 19:30
38.	**Totem 7 Responsável: MARCELO VIANA (10min + 5min)**	GISELE ALMEIDA SILVA	UFOP	FABRICATION AND TOPOGRAPHIC CHARACTERIZATION OF NANOPORES USING THE BREATH FIGURE METHOD	18:00 – 18:15
39.		GABRIELA CORRÊA SOARES	FURG	Parental Exposure to Nanoplastics and Graphene Oxide induces transgenerational toxicity in Caenorhabditis elegans	18:15 – 18:30
40.		GLAUBER WALDSCHMIDT PEREIRA	UFBA	Molecular Dynamics and Machine Learning for Predicting Desalination through Graphene and hBN Membranes	18:30 – 18:45
41.		ISABELLA MORAES DE MELO	UFV	High-Quality MnTe/Bi2Te3 Heterostructures on BaF2(111): A Route to Altermagnetic-Topological Platforms	18:45 – 19:00
42.		ISABELA SANTOS SILVEIRA	UFMG	Investigation of the electronic properties of carbon nanotube films under the influence of atmosphere and pressure	19:00 – 19:15
43.		HISMILEI CHAVES DOS SANTOS SILVA	UEFS	GREEN SYNTHESIS OF SILVER NANOPARTICLES USING TURNERA SUBULATA SM. FOR SELECTIVE HG^{2+} SENSIN	19:15 – 19:30
Sala 1 - Auditório Principal (apresentação 8 min + 2min discussão)					
44.	**Sala 1 -**	IGOR FERREIRA CURVELO	UFOP	MODULATION OF THE VALLEY ZEEMAN EFFECT BY PRESSURE AND DEFECTS IN VANADIUM-DOPED TUNGSTEN DICHALCOGENIDES	18:00 – 18:10
45.	**Responsável: ANDRE SANTAROSA FERLAUTO**	GUSTAVO HENRIQUE SILVESTRE	UFOP	Pressure- and Spin-Dependent Vibrational and Raman Properties of Bulk and Monolayer NiI2 from First Principles	18:10 – 18:20
46.		HENRI GONÇALVES MENDONÇA	UFU	Understanding the Oxygen Reduction Reaction and Oxygen Evolution Reaction in Metal Intercalated Biphenylene Bilayers	18:20 – 18:30
47.	e	IGOR MACÊDO GONÇALVES	MACKENZIE	Excited-State Excitonic Control of Nonlinear Frequency Conversion in Two-Dimensional Materials	18:30 – 18:40
48.	**JULIANE VENTURA LIMA**	INEZ ANTONIA BARBIERI	UFN	EVALUATION OF BARBITURATE DRUG ADSORPTION USING MAGNETIC NANOCOMPOSITE OF CARBON NANOTUBES AND NICKEL FERRITE	18:40– 18:50
49.		JOÃO OCTÁVIO OLIVEIRA CONY	UFRJ	Orbital antiferromagnetism in the bilayer-Haldane model	18:50 – 19:00
50.		JOÃO VICTOR GONÇALVES	UFPR	POLYANILINE/MoS2 THIN FILMS AS ELECTRODES FOR ELECTROCHROMIC AQUEOUS SUPERCAPACITORS	19:00 – 19:10
51.		JOÃO VICTOR LEMOS VALLE	UEFS	Dipole Alignment and Layered Flow Structure in Pressure-Driven Water Transport through MoS2 Membranes	19:10 – 19:20
52.		JOSE MIGUEL ZUÑIGA PRADO	UFABC	GRAPHENE OXIDE CONTINUES EVOLVING AFTER THE H2O2 QUENCHING STEP: STRUCTURAL EVIDENCE FROM MULTIWAVELENGTH RAMAN AND FTIR SPECTROSCOPY	19:20 – 19:30
53.		JULIA DE SOUZA CORREA	UFRJ	Surface Enhanced Raman Spectroscopy of Gold Nanoparticles Deposited on High Entropy 2D Transition Metal Dichalcogenides	19:30 – 19:40

54.		JOSIVANIR GOMES CÂMARA	MACKENZIE	SPECTRAL DEPENDENCE OF SECOND HARMONIC GENERATION IN MoS2-INTEGRATED SILICON NITRIDE WAVEGUIDES	19:40– 19:50
55.		JOSEANA ANTUNES PORCIUNCULA	UFN	SERTRALINE REMOVAL FROM AQUEOUS MEDIUM BY MAGNETIC GRAPHENE OXIDE	19:50 – 20:00
17632 30		ASAFE DOMINIQUE FERNANDES		LAYER-BY-LAYER STRUCTURAL DETERMINATION OF GRAPHENE-PROTECTED CO FILMS ON NI(111) BY QUANTITATIVE LEED I(V) ANALYSIS	20:00 – 20:10
Sala 2 - 1010 (apresentação 8 min + 2min discussão)					
56.	**Sala 2**	MARIANA ZANCAN TONEL	UFN	MOTHERHOOD AND SCIENTIFIC CAREERS: PERCEPTIONS OF BRAZILIAN WOMEN RESEARCHERS IN NANOSCIENCE AND NANOTECHNOLOGY	18:00 – 18:10
57.	**Responsável: ALEX APARECIDO FERREIRA**	JULIANY SANTOS SOUZA	UFJF	GROWTH OF TWO-DIMENSIONAL SP^2 CARBON FILMS ON DIELECTRIC SUBSTRATES BY CATALYST-FREE CVD USING CONTINUOUS AND PULSED GAS FLOW	18:10 – 18:20
58.	e	KALEBE BATISTA ESTEVAM	UFRN	Doping-Induced Scattering Channels and Emergent Plasmonic Effects in Boron-Doped Graphene	18:20 – 18:30
59.	**EDUARDO GUILHERME CIVIDINI NEIVA**	KEVIN STEFAN BOSZKO MARTINS	MACKENZIE	Evanscent wave biosensing methods for pathogen detection	18:30 – 18:40
60.		LARISSA MÜLLER	FURG	SYNERGISTIC TOXICITY OF GRAPHENE OXIDE AND MICROPLASTICS: A MULTIGENERATIONAL ASSESSMENT IN CAENORHABDITIS ELEGANS	18:40– 18:50
61.		LAURA ALICIA GERACITANO MONSERRAT	ScienceInData	SCIENTIFIC SYNERGY: THE CASE OF INCT NANOCARBONO AND 2D MATERIALS	18:50 – 19:00
62.		JULIA KETZER MAJEWSKI	UFPR	Bridging Efficient PM6:Y6 Bilayer Devices and Aqueous Nanoparticle Processing for Sustainable Organic Photovoltaics	19:00 – 19:10
63.		LEANDRO VITOR DA SILVA	UFRJ	New systematic approach to the characterization and evaluation of the growth reproducibility of two-dimensional materials	19:10 – 19:20
64.		LEILA GRACIELA SIEBERT BITENCOURT	FURB	SYNTHESIS AND CHARACTERIZATION OF REDUCED GRAPHENE OXIDE/NI/CO/CU METALLIC NANOALLOY NANOCOMPOSITES FOR ENERGY STORAGE APPLICATIONS	19:20 – 19:30
65.		LEONARDO DA SILVA ARAUJO	UFOP	Synthesis and characterization of molybdenum disulfide bilayers	19:30 – 19:40
66.		LUCAS LOPES LAGE	UFF	Topological Phases in Sierpinski Fractals	19:40– 19:50
67.		LETÍCIA MARA VIEIRA ILDEFONSO	UFJF	Tailoring optoelectronic properties in monolayer transition metal dichalcogenides via focused ion beam lithography	19:50 – 20:00
178139		Samuel Sampaio Diniz		FROM DATA TO CONNECTIONS: A DIGITAL PLATFORM FOR RESEARCHERS, INSTITUTIONS, AND COMPETENCIES IN THE GRAPHENE ECOSYSTEM	20:00– 20:10
Sala 3- 1012 (apresentação 8 min + 2min discussão)					
68.		LEONARDO GALVÃO GONÇALVES CESAR	UFRJ	Excitonic effects in a 2D (Mo,W)Se2 TMD alloy from ab-initio calculations	18:00 – 18:10
69.	**Sala 3**	LUCAS AUGUSTO MOISÉS	CNPEM	FLOATING-GATE MEMORY DEVICES BASED ON 2D HETEROSTRUCTURES	18:10 – 18:20
70.	**Responsável: DANIEL MASSOTTI**	LUCAS SOARES SOUSA	UFU	Topological Protection and Disorder-Induced Breakdown of Helical Edge States in Bismuthene on SiC(0001)	18:20 – 18:30
71.	e **JAQUELINE**	LUIS ANTONIO GÓMEZ OJEDA	UFOP	ATOMISTIC MODELING OF GADOLINIUM-DOPED HYDROXYAPATITE FUNCTIONALIZED WITH CURCUMIN AND FOLIC ACID FOR MAGNETIC RESONANCE IMAGING CONTRAST APPLICATIONS	18:30 – 18:40

72.	**DOS SANTOS SOARES**	MARCELO HENRIQUE TAVARES GOMES	UFOP	LAYER-DEPENDENT VIBRATIONAL AND RAMAN PROPERTIES OF $PtSe_2$ FROM MONOLAYER TO BULK: AFIRST-PRINCIPLES STUDY	18:40– 18:50
73.		MARCOS VINÍCIUS WOISKI BARCOTE	UFPR	Slot-die printed PEDOT:PSS/graphene composite for gas detection	18:50 – 19:00
74.		LUÍS GUSTAVO DO ESPÍRITO SANTO MENDES	UFGD	FREE-STANDING REDUCED GRAPHENE OXIDE AND POLYANILINE FILMS DECORATED WITH PALLADIUM NANOPARTICLES	19:00 – 19:10
75.		MARINA COSTA TOTTI	UFJF	INFLUENCE OF GRAPHENE OXIDE FUNCTIONAL GROUPS ON THE THERMOMECHANICAL PROPERTIES OF HIGH-PERFORMANCE CONCRETE	19:10 – 19:20
76.		MARCUS VINICIUS DE SOUSA FERRAZ	UFRJ	Study of topological phase transitions induced by amorphization.	19:20 – 19:30
77.		MARIA CAROLINE SOHN GOMES	UFPR	TRANSFORMING MANGANESE WASTE FROM THE HUMMERS METHOD INTO FUNCTIONAL ENERGY STORAGE MATERIALS	19:30 – 19:40
78.		MARIA CLARA GODINHO DE OLIVEIRA	CNPEM	Fabrication, Characterization, and Applications of Transition Metal Dichalcogenides in Plasmonic Platforms	19:40– 19:50
79.		MARINA PEREGRINELLI BARBOZA	UFMS	AMBIENT-DRIED rGO/Nb XEROGEL FILMS FOR SUPERCAPACITOR ELECTRODES	19:50 – 20:00
170186		Adriana de Souza Rodrigues		VEGF-FUNCTIONALIZED CELLULOSE NANOFIBRIL-GRAPHENE OXIDE MEMBRANES FOR WOUND HEALING	20:00– 20:10
Sala 4 - 1014 (apresentação 8 min + 2 min discussão)					
80.	**Sala 4** **Responsável: BRUNO CARVALHO** **e** **CAROLINA FERREIRA DE MATOS JAURIS**	MATEUS ALVES DE OLIVEIRA	UFRN	Resonance Raman and Pressure Investigation of High-Order Raman Modes in Monolayer MoS_2	18:00 – 18:10
81.					
82.		MATHEUS BISPO DE SOUZA	UFGD	Wearable electrochemical device based on laser-induced graphene modified with crumpled graphene decorated with copper-based nanoparticles for pesticide monitoring	18:10 – 18:20
83.		MATHEUS DE CASTRO VIEIRA	FURG	TURNING MICROALGAL WASTE INTO BIOACTIVE CARBON NANOMATERIALS: SYNTHESIS AND BIOCOMPATIBILITY OF CARBON DOTS	18:20 – 18:30
84.		MATHEUS DOS SANTOS BARBOSA	UFOP	Pressure-Tuned Magnetic Exchange and Helimagnetic Order in Bulk and Five-Layer NiI_2	18:30– 18:40
85.		MARIA KAROLINA RAMOS	UFPR	COST-EFFECTIVE rGO/Cu_xO/Ag NANOSTRUCTURES PREPARED ONE-STEP ASSEMBLY FOR SERS APPLICATIONS	18:40 – 18:50
86.		MICHELE VERENA CONCEIÇÃO OLIVEIRA DA SILVA	UFU	CARBON-BASED MATERIALS IN FUSED FILA MENT FABRICATION: DEVELOPMENT OF HYBRID FILAMENTS BASED ON IRON HEXACYANOFERRATE, GRAPHITE, AND REDUCED GRAPHENE OXIDE FOR 3D ELECTRODES	18:50 – 19:00
87.		MIGUEL ANGEL LOZADA RUFINO	UFABC	Development of a Portable Sensory Platform Based on Graphene Derivatives Functionalized with Aptamers for the Detection of Dengue	19:00 – 19:10
88.		MÔNICA CARLA LOPES	UFSM	USE OF GRAPHENE OXIDE AS A POSSIBLE SUBSTITUTE FOR PSS IN THE PEDOT POLYMERIZATION REACTION	19:10 – 19:20
89.		NONSO LIVINUS OKOLI	UFABC	Silane-Functionalized Naphthalenediimide (SNDI) Thin Films: Tuning of Morphological, Optical, Electrochemical, and Electrical Properties	19:20 – 19:30

90.		OLLENKA G. HUAMAN BARDALES	UFABC	Non-Toxicity Assessment of Graphene Oxide toward Escherichia coli	19:30– 19:40
91.		PÂMELA VEZZOSI DE BARROS	UFSM	INFLUENCE OF THE STRUCTURE OF OXO/GRAPHENE OXIDES ON HERBICIDE ADSORPTION	19:40 – 19:50
92.		PATRÍCIA DOS SANTOS ARAUJO	UFPR	MOS_2/CARBON NANOTUBE THIN FILM ELECTROCHEMICAL IMMUNOSENSOR FOR DETECTING DENGUE	19:50 - 20:00
169588		Maria Luiza Parreiras Mesquita		OPTICAL PROPERTIES OF 2D TRANSITION METAL PHOSPHORUS TRISULFIDE	20:00– 20:10
Sala 5 - Datashow 1 (apresentação 8 min + 2 min discussão)					
	Sala 5	RAFAEL ANTÔNIO FERREIRA MARTINS	UFOP	Tribological Characterization of Twisted Two-Dimensional Materials by Scanning Probe Microscopy	18:00 – 18:10
92.	**SIMONE ALEXANDRE**	RAFAEL REIS BARRETO	UFV	Engineering a 2D Fe array on Ag(100) via temperature driven reorganization and metalation of pyridyl-porphyrins	18:10 – 18:20
93.	E	RAFAEL RODRIGUES MATEUS	UFOP	INVESTIGATION OF THE G BAND IN GRAPHENE FOLDS VIA MOLECULAR DYNAMICS SIMULATIONS	18:20 – 18:30
94.	**THIAGO CIPRIANO**	PEDRO CÂNDIDO DA SILVA	UFG	First-Principles Study of g-C3N4-Supported Ru55 Nanoparticle: Organic Ligand Interactions and Catalytic CO2 Hydrogenation	18:30 – 18:40
95.		PEDRO ALKMIN MEDINA	MACKENZIE	Transfer of CVD-Grown MoS_2 Monolayers onto Silicon Nitride Photonic Waveguides through a Wettability-Contrast PDMS Method	18:40– 18:50
96.		RITIKA SINGH	UFMS	Influence of polyaniline on reduced graphene oxide in carbon black based electrodes for aqueous sodium - ion energy storage	18:50 – 19:00
97.		ROBSON C. O. GUEDES	UFV	INVESTIGATION OF SPIN-TO-CHARGE INTERCONVERSION MECHANISMS IN TOPOLOGICAL CRYSTALLINE INSULATOR SnTe	19:00 – 19:10
98.		RODRIGO ALVES FONTENELE	UFRJ	Magnetism and Routes to Unconventional Superconductivity in an Effective Model for Magic-Angle Twisted Bilayer Graphene	19:10 – 19:20
99.		RODRIGO MARTINS ALVES	UFU	NANOCOMPOSITES OF BIMETALLIC HEXACYANOFERRATES AND CARBON NANOSTRUCTURES FOR AQUEOUS BATTERY APPLICATIONS	19:20 – 19:30
100.		RUBENS QUIRINO DE MORAES FILHO	UFRJ	Floquet-NEGF Formalism for Unconventional Hybrid Josephson Junctions	19:30– 19:40
101.		SINARA MIRANDA LIMA	UEFS	GREEN SYNTHESIS OF SILVER NANOPARTICLES MEDIATED BY Lippia alba ESSENTIAL OIL	19:40 - 19:50
		STEFANY DE PAULA CARVALHO	UNICAMP	Ambient-Induced Hf Oxidation and Selenium Segregation in 2H-$HfSe_2$: Formation of Nanoscale Selenium Particles	19:50 - 20:00
		SUZIMARA ROVANI	USP	Fluorescent Detection of Cu^{2+}, Cd^{2+}, Cr^{3+}, and Pb^{2+} Using Nitrogen-Doped Graphene Quantum Dots	20:00 - 20:10
		Cauê Alves Melo		ANOMALOUS GATING EFFECTS IN GRAPHENE TRANSISTORS ENABLED BY BLACK MICA DIELECTRICS	20:10 - 20:20
Sala 6- Datashow 2 (apresentação 8 min + 2 min discussão)					
		THIAGO VICTORINO CLAUS	UFN	DEVELOPMENT OF 3D-PRINTED PLA NANOCOMPOSITES INCORPORATING HIGH ATOMIC	18:00 – 18:10

	Sala 6 **Responsável: BENJAMIN FRAGNEAUD**			NUMBER NANOPARTICLES FOR DIAGNOSTIC X-RAY FILTRATION	
102.		TARSIANE RIBEIRO DA COSTA	UFJF	Impacto dos Parâmetros de Spin Coating e da Temperatura de Crescimento na Morfologia do MoS_2 Sintetizado por CVD a partir de Na_2MoO_4	18:10 – 18:20
103.	**Responsável: EDRIAN MANIA**	THIAGO LUIZ LOPES SILVA	UFBA	Hybrid DFT-VQE Approach: Application to the Electronic and Vibrational Study of the Water Molecule and H2O Dimers	18:20– 18:30
104.		THAMIRES BORGES MAURIZ	UFJF	GRAPHENE OXIDE–MEDIATED MODULATION OF RESPIRATORY VIRUS DETECTION: A PRELIMINARY EXPERIMENTAL STUDY	18:30 – 18:40
105.		TIAGO SAMPAIO DE SANTANA	UEFS	EFFECT OF SILVER NANOPARTICLES ON POSTHARVEST CONSERVATION AND POSTHARVEST DISEASE CONTROL IN PAPAYA	18:40 – 18:50
106.		VICTOR MANOEL DA CONCEIÇÃO DIAS	UFU	Theoretical Investigation of Graphyne-Based Molecular Wires Absorbed on Au(111), Ag(111), and Al(111) Surfaces.	18:50 – 19:00
107.		VICTORIA GOMES MARTINS	UEFS	Synthesis and Physicochemical Characterization of a Mimosa verrucosa Essential Oil Nanoemulsion	19:00 – 19:10
108.		VINICIUS NELSON BARBOZA DE SOUZA	UFGD	FREESTANDING LrGO/CMC ELECTROCHEMICAL DEVICES FOR NON-INVASIVE PARAQUAT DETECTION	19:10 – 19:20
109.		VITOR HUGO NETO MARTINS	UFGD	NANOCOMPOSITES BASED ON CRUMPLED GRAPHENE AND PALLADIUM NANOPARTICLES FOR THE ELECTROCHEMICAL DETECTION OF MANCOZEB	19:20– 19:30
110.		VITÓRIA DIAS ALEXANDRINO	UFOP	Biomass-based catalysts and exfoliated materials for application in organic ynthesis	19:30 - 19:40
		VITÓRIA MARTINS GUITTI MEDEIROS	MACKENZIE	Chiral Nonlinear Optics in Twisted van der Waals Materials A Theoretical Study	19:40 - 19:50
		VALDEMIR LUDWIG	UFJF	ON THE ELECTRONIC AND OPTICAL PROPERTIES OF HEXAGONAL QUANTUM DOTS	19:50 - 20:00
		Iury Duarte Ferreira		INVESTIGATION OF SAMARIUM-DOPED MOS2 AS ELECTRODES FOR NA-ION STORAGE SYSTEMS	
		Rayan Alves	UFMG	Investigação das Propriedades Elétricas do TaS2por STM STS e KPFM	20:10 - 20:20
		PEDRO LANA GASTELOIS		IMPORTANCE OF ASYMMETRIC C 1S PEAK DECONVOLUTION FOR RELIABLE XPS CHEMICAL ANALYSIS OF EMERGING TWO-DIMENSIONAL CARBON-BASED MATERIALS (Pôster não enviado)	20:20 - 20:30
		A confirmar		GRAPHENIC CARBON NANOCONE PROBE FOR HIGH PERFORMANCE AFM: FROM NANOSCALE TOPOGRAPHY TO NANOMECHANICAL MAPPING (Pôster não enviado)	20:30 - 20:40

ID		Author	Title	Area	Time
Sala 7- Datashow 3 (apresentação 8 min + 2 min discussão)					
INCT	**Sala 7 : WANDERLA LUIS SCOPEL** **E** **DANIEL GRASSESCHI** **E**	WELLERSON DOS REIS RAMOS	INTERFACIAL EFFECTS ON RAMAN FREQUENCY AND LINEWIDTH IN CVD-GROWN $MoSe_2$–MoS_2 LATERAL HETEROSTRUCTURES	Produção e Caracterização de Nanomateriais de Carbono	18:00 - 18:10
INCT		WENDERSON RODRIGUES FIALHO DA SILVA	Wireless Graphene-Based Magnetoelastic biosensing platform for point-of-care COVID-19 Antibody		18:10 - 18:20
INCT		WESLEY FIORIO INOCH	Structural and Electrical Characterization of 2D Hybrid Organic–Inorganic Perovskite / Hafnium Oxide Heterostructures for Resistive Switching Applications		18:20 - 18:30

INCT	**ZÉLIA LUDWIG**	WILFREDO RONDAN HUAMAN	How H_2O_2 Interaction Time Governs the Surface Chemistry, Electrical Conductivity, and Ecotoxic Potential of Graphene Oxide		18:30 - 18:40
1701754		Keyla Bendia Pires	CHARACTERIZATION OF CARBON NANOMATERIALS PRODUCED BY DRY REFORMING OF NATURAL GAS WITH CO_2 PLASMA		18:40 – 18:50
1702059		Victor Teixeira Da Silva Aragão	INFLUENCE OF THE CITRIC ACID/UREA RATIO ON THE SURFACE CHEMISTRY AND PHOTOLUMINESCENCE OF HYDROTHERMALLY SYNTHESIZED CARBON DOTS		18:50 – 19:00
1702233		Luana Bruna Lopes Ribeiro	GRAPHENE OXIDE/EPOXY NANOCOMPOSITES: SYNTHESIS, DISPERSION, AND PHYSICOCHEMICAL CHARACTERIZATION		19:00 – 19:10
1722316		Nycolle Jhulia Neves e Silva	PREPARATION AND CHARACTERIZATION OF A STABLE DISPERSION OF F-C3N4-1H DERIVATIVE(S) USING ONLY ULTRAPURIFIED WATER		19:10 – 19:20
1749052		Rayza Beatriz Rocha Gonçalves	CARBON NANOTUBE FIBERS DECORATED WITH GOLD NANOPARTICLES		19:20 – 19:30
1753261		Daiana Sígolo Pimenta	MORPHOLOGICAL AND STRUCTURAL CHARACTERIZATION OF CARBON NANOTUBE FIBERS PRODUCED BY FC-CVD		19:30 – 19:40
1750715		Ewerton de Oliveira Teotonio Bezerra	TPU/GRAPHENE-BASED NANOCOMPOSITES FOR POLYMERIC HEART VALVES: MATRIX-DEPENDENT THERMAL AND MECHANICAL PERFORMANCE		19:40 – 19:50
1762923		Felipe Barbosa Marques	CONTROLLED STRUCTURAL EVOLUTION OF CARBON MATERIALS DURING PYROLYSIS OF CARBOHYDRATES		19:50 - 20:00
1714577		Janaísa Luiza Cristino Lucas	DEVELOPMENT OF AN ADVANCED GRAPHITE-BASED ANODE FOR LITHIUM-ION BATTERY APPLICATIONS		
1763176		A confirmar	UPCYCLING OF GRAPHITE RECOVERED FROM LITHIUM-ION BATTERIES: TRANSFORMATION INTO ADVANCED CARBON MATERIALS FOR ENERGY AND ENVIRONMENTAL APPLICATIONS ((Pôster não enviado))		20:00 - 20:10
1763313		A confirmar	SUSTAINABLE CARBONACEOUS MATERIALS DERIVED FROM SUGARCANE BAGASSE AND FUNCTIONALIZED WITH APTES FOR CUCUMBER SEED GERMINATION AND SEEDLING EMERGENCE ((Pôster não enviado)		20:10 - 20:20
Sala 8- Datashow 4 (apresentação 8 min + 2 min discussão)					
1763514	**Sala 8**	Luciane Novaes Tenório	COUPLING REACTIONS IN ASPHALTENES BY IRON(III) CHLORIDE	Produção e Caracterização de Nanomateriais de Carbono	18:00 – 18:10
1782100	**Responsável: DIEGO BARBOSA ALVES** E **MARIANA PRADO** E **ANA PAULA BARBOZA**	Marcos Nigri	SÍNTESE DE GRAFENO E NANOESTRUTURAS GRAFÍTICAS VIA PECVD DE CO2		18:10 – 18:20
1728524		Mayara Carla Uvida	GRAPHENE OXIDE–REINFORCED POLYURETHANE NANOCOMPOSITES FOR CARDIOVASCULAR BIOMEDICAL APPLICATIONS		18:30 – 18:40
1686553		Lucas Rodrigues Lustrino	TODD E PHOTH-G: MATERIAIS DE CARBONO E SUAS PROPRIEDADES MECÂNICAS	Produção e Caracterização de Nanomateriais de Carbono	18:40 – 18:50
1701195		André Luiz Soares Martins	VALIDATION OF RAMAN SPECTROSCOPY FOR GRAPHENE NANO-THERMOMETER DEVELOPMENT		18:30 – 18:40
1735794		Camila Miranda Fonseca Duarte	FROM CHEMISTRY TO TOPOLOGY: HOW GRAPHENE OXIDE REDUCTION CONDITIONS DICTATE THE POROUS NETWORK OF 3D ASSEMBLIES.		18:40 – 18:50
1737709		Isabela Helena Souza	UTILIZATION OF DIFFERENT SAMPLING METHODS FOR THE CHARACTERIZATION OF RED CARBON BY FOURIER TRANSFORM INFRARED SPECTROSCOPY		18:50 – 19:00 –
1755051		Allonso Caetano	EVALUATION OF THE CRYSTALLINE QUALITY OF CARBON NANOTUBE BUNDLES BY RAMAN SPECTROSCOPY		19:00 – 19:10

1726702		Hiago Salge Borges	GRAPHENE OXIDE-REINFORCED UREASIL-POLYETHER HYBRID MEMBRANES FOR ADVANCED WOUND DRESSINGS		19:10 – 19:20
1781289		Fernanda Davi Marques	DIMENSIONAL METROLOGICAL CHARACTERIZATION OF GRAPHENE-RELATED 2D MATERIALS BY CORRELATIVE SEM AND AFM	Produção e Caracterização de Nanomateriais de Carbono	19:20 – 19:30
1782022		Luan Santos	SUPERVISED CLASSIFICATION OF RAMAN SPECTRA OF GRAPHENE-RELATED 2D MATERIALS: A PROOF OF CONCEPT WITH GRAPHENE OXIDE AND GRAPHITE		19:30 – 19:40
1702265		Carolina Cardoso Soares	AUTOMATING THERMOGRAVIMETRIC DATA PROCESSING FOR GRAPHENE OXIDE AND REDUCED GRAPHENE OXIDE		19:50 – 20:00
1761620		GIOVANA SILVA CEMBRANELLI	SUSTAINABLE CARBON-BASED KA-BAND WAVE ABSORBER		20:00 – 20:10

QUARTA-FEIRA – 18/11

INCT NANOCARBONO E MATERIAIS 2D - QUARTA-FEIRA (18/11)

ID		Author	Institution	Title	Time
1.	**Totem 1 Responsável: MATHEUS JOSUÉ DE SOUZA MATOS**	ALAN CUSTODIO DOS REIS SOUZA	UFMG	Nanoscale DFT: Modeling Molecular Interfaces and Surface Properties in 2D Materials	18:00 – 18:15
2.		AMANDA FIGUEIREDO PEREIRA	UFMG	SCANNING PROBE MICROSCOPY STUDY OF EXFOLIATED 2D NANOMATERIALS IN DIFFERENT SYSTEMS	18:15 – 18:30
3.		AMANDA KELLER DOS REIS ALFEU	CDTN	Antigenic recognition of Pb27 from P. brasiliensis and P. lutzii: potential application in biosensors for the diagnosis of paracoccidioidomycosis	18:30 – 18:45
4.		ANDERSON KENEDY SANTOS	CDTN	PROTEOMIC AND STRUCTURE-GUIDED PRIORITIZATION OF CONSERVED PB27-LIKE EPITOPES FOR BIOSENSORS DETECTION	18:45 – 19:00
5.		ANDRE SIQUEIRA MONTIJO	UFMG	POLYACRYLAMIDE NANOFLUIDS REINFORCED WITH PEI-FUNCTIONALIZED OXIDIZED CARBON NANOTUBES FOR ENHANCED OIL RECOVERY	19:00 – 19:15
6.		ANNA CLARA REGGIANI LOPES CARVALHO	UFMG	Preparation and Characterization of Hybrid TiO_2 Thin Films with Graphene Oxide (GO) or Reduced Graphene Oxide (rGO) for Environmental Applications	19:15 – 19:30
7.	**Totem 2 Responsável: ESTEFÂNIA MARA DO NASCIMENTO MARTINS**	BRUNO HENRIQUE DA SILVA E MENDONÇA	UFMG	MULTISCALE MODELING OF GRAPHENE-BIOMOLECULE INTERFACES: ADSORPTION AND SOLVATION DYNAMICS ALONG THE MELANIN METABOLIC PATHWAY	18:00 – 18:15
8.		CAIKE DOUGLAS MACHADO DE OLIVEIRA	UFMG	SYNTHESIS OF NIOBIUM PENTOXIDE AND REDUCED GRAPHENE OXIDE (Nb_2O_5–rGO) NANOCOMPOSITES FOR APPLICATION IN LITHIUM–SULFUR (Li–S) BATTERY SEPARATORS	18:15 – 18:30
9.		CAIO PEDRO GRANGEIRO VIEIRA MARINHO	UFMG	Development of Piezoresistive Strain Sensors Based on Carbon Nanotube Fibers	18:30 – 18:45
10.		CAÍQUE AMORIM SILVEIRA	CDTN	Improving Carbon Material Titration Modeling Through Physical Constraints in the Discrete Site Model	18:45 – 19:00
11.		CYNTIA SILVA FERREIRA	UFMG	DEVELOPMENT AND PHYSICOCHEMICAL CHARACTERIZATION OF FULEROL-BASED NANOHYBRIDS AS ANTIOXIDANT PLATFORMS FOR CRYOBIOLOGY AND CELLULAR PROTECTION	19:00 – 19:15
12.		FELIPE DA SILVA MEDEIROS	UFMG	APPLICATION OF GO/CNT MEMBRANES TO MITIGATE THE SHUTTLE EFFECT IN LITHIUM-SULFUR POUCH CELLS	19:15 – 19:30

13.	**Totem 3 Responsável: SIMONE SILVA ALEXANDRE**	FABRÍCIO POLIGNANO NOGUEIRA	UFMG	Metal Effects on the Electronic Structure of Bipyridine- and Phenanthroline-Based Catecholate Complexes: A DFT and Machine Learning Study	18:00 – 18:15
14.		DAVI VASCONCELOS FERREIRA	UFMG	Estudo por DFT da MOF-74 isoreticular: estrutura eletrônica e propriedades magnéticas.	18:15 – 18:30
15.		FELIPE DE MORAIS MURTA	UFMG	Scalable Fabrication of Carbon Nanotube-Based Pressure Sensors	18:30 – 18:45
16.		FERNANDA BRANT ORÉFICE	UFMG	HIGHLY SELECTIVE GRAPHENE-BASED HYDROGEN SENSOR	18:45 – 19:00
17.		FRANCO SAUVISKY	UFMG	A Characterization System for Piezoelectric Resonator-Based Sensors	19:00 – 19:15
18.		GABRIEL DE PAULA BARBOSA	UFMG	First-Principles Study of 2D/3D Heterostructures	19:15 – 19:30
19.	**Totem 4 Responsável: IVE SILVESTRE**	GABRIEL HENRIQUE BARGAS MELO	UFMG	MODIFICATION OF THE ELECTRONIC STRUCTURE OF BORON-DOPED GRAPHENE: CHARACTERIZATION BY ELECTRICAL TRANSPORT MEASUREMENTS	18:00 – 18:15
20.		GABRIEL SOARES SELLIN	UFMG	GUESS: A Machine Learning Framework for BELLABulk Nanoscale Characterization of Graphene	18:15 – 18:30
21.		GABRIELLA CORREIA DE ALMEIDA	UFMG	ASPECT RATIO AS AN INTRINSIC MORPHOLOGICAL DESCRIPTOR FOR LIQUID-PHASE EXFOLIATED GRAPHENE	18:30 – 18:45
22.		GLADYSTONE ROCHA DA FONSECA	UFMG	Interface charge transfer in monolayer MoS 2-WS2 lateral heterostructures	18:45 – 19:00
23.		GUILHERME RODRIGUES FONTENELE	UFMG	Nanoscale Evolution of the Phase Transition in Ta2NiSe5	19:00 – 19:15
24.		HENRIQUE ALVES VIEIRA GONZAGA	UFMG	Enhanced Metal Adsorption Capacities of Reinforced Polyacrylamide Hydrogels: Investigating Crosslinker Variations and Nanomaterials for Water Remediation	19:15 – 19:30
25.	**Totem 5 Responsável: ELIZANE EFIGENIA DE MORAES**	IZABELLA KATIA MACIEL FERNANDES	UFMG	CARBON-NANOSTRUCTURED SLAG AS A MULTIFUNCTIONAL MATERIAL PRODUCED FROM PET PYROLYSIS	18:00 – 18:15
26.		JOÃO FELIPPE NUNES ROCHA	UFMG	Two-Dimensional Materials: A First-Principles Study	18:15 – 18:30
27.		JOÃO GABRIEL DE OLIVEIRA BICALHO	UFMG	Its-nano: An Integrated Information Management and Automated Characterization Platform for Graphene-Based Materials	18:30 – 18:45
28.		LARYSSA EMANUELLE BOTELHO SENA	UFMG	Sonochemically Prepared Graphene Oxide-Reinforced Polyacrylamide Hydrogels for Conformance Control	18:45 – 19:00
29.		LETÍCIA SILVEIRA MARTINS	UFMG	Molecular Adsorption as a Tool for Tuning Interlayer Magnetism in CrI_3 Bilayers	19:00 – 19:15
30.		LUAN TEIXEIRA CARDOSO	UFMG	Development and Optimization of Lithium-Sulfur Pouch Cells Using Biomass-Derived Mesoporous Carbon	19:15 – 19:30
31.	**Totem 6 Responsável: HÁLLEN DANIEL REZENDE CALADO**	LUANA DE ÁVILA B. OLIVEIRA	UFMG	UV-Light-Assisted TiO_2-Based Photocatalytic Nanopatterns on Two-Dimensional Materials	18:00 – 18:15
32.		LUCAS RESENDE PELLEGRINELLI MACHADO	UFMG	A Computational Framework for Enhancing Measurement Accessibility in 2D Materials Characterization	18:15 – 18:30
33.		LUCAS RIBEIRO REZENDE DE FREITAS	UFMG	Structural and morphological assessment of CVD graphene by correlative AFM-Raman microscopy: an approach for process monitoring and quality control.	18:30 – 18:45
34.		LÚCIA EMÍLIA LETRO RIBEIRO	CDTN	SCREENING OF CARBON-BASED ADSORBENTS FOR La^{3+} AND Y^{3+} RECOVERY FROM BINARY AQUEOUS SOLUTION	18:45 – 19:00
35.		LUCIANO DA SILVA VILARINS	UFMG	STRUCTURAL AND ELECTRONIC PROPERTIES OF WAVY GRAPHENE AND BORON NITRIDE NANOSTRUCTURES	19:00 – 19:15

36.		LUIZA DE LAZARI FERREIRA	UFMG	Quality Infrastructure for Graphene Regulation: Integrating Standardization, Characterization, and Accreditation at CTNano/UFMG	19:15 – 19:30
37.	**Totem 7 Responsável: LEONARDO CRISTIANO CAMPOS**	MARIA FERNANDA BASÍLIO PIRES	UFMG	Implementation of ABNT NBR ISO/IEC 17025 in Advanced Materials Characterization Laboratories: The CTNano/UFMG Experience	18:00 – 18:15
38.		MATHEUS HENRIQUE CASTRO BRAGA	CTNANO	Effect of Synthesis Parameters and GO:PANI Mass Ratio on the Interfacial Interactions in GO@PANI Nanohybrids	18:15 – 18:30
39.		NATHAN VINÍCIUS MARTINS DA SILVA	CDTN	TUNING GRAPHENE OXIDE SURFACE BY OZONATION	18:30 – 18:45
40.		PALOMA DE ASSIS SOARES	UFMG	TGA, Raman and Productivity Analyses of Expanded Vermiculite Coated with Graphene-Related Materials Produced at the Scale of 100-Liter per Batch	18:45 – 19:00
41.		PEDRO ANDRADE PINHEIRO	CDTN	Solvatochromic Effect on the Absorption and Emission Properties of Red Carbon Polymer	19:00 – 19:15
42.		PHILIPE SOARES DOS SANTOS	UFMG	INFLUENCE OF SULFUR CONTENT ON THE ELECTROCHEMICAL PERFORMANCE OF CELLULOSE-DERIVED CARBON–SULFUR COMPOSITES FOR LITHIUM–SULFUR BATTERIES	19:15 – 19:30
43.	**Totem 8 Responsável: MYRIANO HENRIQUES DE OLIVEIRA JUNIOR**	RENAN MELLO MAGALHÃES	UFMG	2D Material-Based Devices Development for Gas Sensing	18:00 – 18:15
44.		RENATO VELOSO AMARAL BOAVENTURA	UFMG	Detection of IgG antibody against COVID-19 N-protein by a Hybrid Graphene-Nanorod sensor	18:15 – 18:30
45.		RUBENS ELIAS CARAM DINIZ	UFMG	Propriedades eletrônicas e vibracionais de heteroestruturas bidimensionais investigadas por espalhamento Raman	18:30 – 18:45
46.		STHEFANY ZAIDA SILVA DO AMPARO	UFMG	Mesoporous Carbon-Reinforced Nanocomposite Hydrogels for Enhanced Oil Recovery Applications	18:45 – 19:00
47.		SUÉLEN MARA GONÇALVES	UFMG	EVALUATION OF THE THERMAL STABILITY OF POLYACRYLAMIDE HYDROGELS SYNTHESIZED WITH OXIDIZED CARBON NANOTUBES	19:00 – 19:15
48.		THIAGO BUENOS AIRES MATTOS	UFMG	Electrostatically Defined Quantum Confinement in Bilayer Graphene	19:15 – 19:30
49.	**Totem 9 Responsável: INGRID BARCELOS**	TÚLIO VICTOR DE OLIVEIRA	UFMG	Investigation of MoTe nanowires in honeycomb and kagome lattices: Dirac cones and flat bands	18:00 – 18:15
50.		VERÔNICA ROSARIO	CDTN	EVALUATION OF ELECTROCHEMICAL PARAMETERS IN THE UNDERSTANDING OF BIOSENSING PHENOMENA	18:15 – 18:30
51.		WANDER PEREIRA DE JESUS	UFMG	Electromagnetic Characterization of Cellulose Films with Carbon Nanotubes in the X-Band Frequency Range	18:30 – 18:45
52.		WJEFFERSON HENRIQUE BRANDÃO	UFF	Porous Graphene-Based NO_2 Nanosensors: A DFT and Strain Engineering Approach	18:45 – 19:00
53.		YAGO CRUZ DOS SANTOS	UFJF	Optical and electric characterization of Sp2 carbon islands - MoS2 heterostructures grown via chemical vapor deposition	19:00 – 19:15
54.		ZÉLIA MARIA DA COSTA LUDWIG	UFJF	HYDROTHERMAL SYNTHESIS AND COMPREHENSIVE CHARACTERIZATION OF N, S DOPED CARBON QUATUM DOTS	19:15 – 19:30
55.		PABLO RODRIGUES DE SOUZA LIMA	UFMG	Investigation of graphene materials by circularly polarized Raman spectroscopy	19:30 – 19:45

PÔSTERES DIGITAIS – TLMC6 - QUARTA-FEIRA (18/11)

ID		Author	Title	Area	Time
1698588	**Totem 10 Responsável: CRISTIANO FANTIN**	João Afonso de Souza Fernandes	ELECTRICAL CHARACTERIZATION OF CLINOCHLORE AS A DIELECTRIC IN 2D NANODEVICES	Materiais 2D	18:00 – 18:15

1701231		Felipe Candido	FABRICATION OF ULTRA-THIN SUSPENDED SiN MEMBRANES VIA BULK MICROMACHINING FOR NANOSENSOR APPLICATIONS		18:15 – 18:30
-		Bianca Cristina Alves Carneiro	Vibrational and Electronic Properties of W(Se1-xTex)2(1-δ) Alloys		18:30 – 18:45
1701648		Maria Eduarda Kira Ferreira	INVESTIGATION OF MOSSE MONOLAYERS BY RESONANT RAMAN SPECTROSCOPY		18:45 – 19:00
1702124		Liara Moura Vianna Sanches	CONTROLLED INCORPORATION OF CARBON NANOMATERIALS INTO HOT-DIP GALVANIZING BATHS		19:00 – 19:15
1702346		Pedro Henrique Arruda Guedes	AUTOMATED DETECTION AND CLASSIFICATION OF GRAPHENE FLAKES WITH MOTORIZED OPTICAL MICROSCOPY		19:15 – 19:30
1713553	**Totem 11 Responsável: MATHEUS BISPO DE SOUZA**	Pablo Rodrigues	INVESTIGATION OF GRAPHENE MATERIALS BY CIRCULARLY POLARIZED RAMAN SPECTROSCOPY (Pôster não enviado)	Materiais 2D	18:00 – 18:15
1729598		Fabián Ccahuana Ayma	OPTIMIZATION OF LASER-INDUCED GRAPHENE FABRICATION BY RESPONSE SURFACE METHODOLOGY FOR $CU(OH)_2$-FUNCTIONALIZED DOPAMINE SENSORS		18:15 – 18:30
1757389		A confirmar	STUDY AND OPTIMIZATION OF THE GRAPHENE OXIDE REDUCTION REACTION MEDIATED BY ASCORBIC ACID FOR APPLICATIONS IN BIOENGINEERING (Pôster não enviado)		18:30 – 18:45
1763501		Thiago de Carvalho Cipriano	CEMENT PASTE HYDRATION INCORPORATING GRAPHENE OXIDE (GO): KINETIC AND STRUCTURAL ASSESSMENT		18:45 – 19:00
1764553		Caio Parra Fernandes	STUDY AND SYNTHESIS OF ALUMINUM OXIDE NANOTUBES WITH POTENTIAL SENSING APPLICATIONS (Pôster não enviado)		19:00– 19:15
1722249		Luis Felipe Cházaro Ruiz	ADSORCIÓN ELECTROASISTIDA DE FLUORURO USANDO CARBÓN ACTIVADO MODIFICADO CON LANTANO EN FLUJO CONTINUO		19:15 – 19:30
		Danilo Saldanha	SÍNTESE DE BOROFENO BIDIMENSIONAL (2D) E APLICAÇÃO EM PLATAFORMAS LEVES E CONFORMÁVEIS PARA LINDAGEM ELETROMAGNÉTICA		19:30 - 19:45
1765051	**Totem 12 Responsável: ALISSON CADORE**	Bruno Milton Oliveira Silva	MULTIFUNCTIONAL POLYMER COMPOSITES BASED ON CARBON NANOSTRUCTURES	Materiais 2D	18:00 – 18:15
1767567		Douglas Santana Franciscato	GRAPHENE OXIDE AS A NANOREINFORCEMENT IN CEMENTITIOUS MATRICES: A REDUCED SCALE APPROACH FOR MECHANICAL EVALUATION		18:15 – 18:30
1767671		Luiz Henrique do Carmo Pinto	ANALYSIS OF WS2 MONOLAYERS BOMBARDED BY HELIUM IONS VIA TRANSVERSE SHEAR MICROSCOPY		18:30 – 18:45
1768188		Josué Marciano Cremonezzi	EFFECT OF GRAPHENE ON THE RECYCLABILITY OF POLYETHYLENE		18:45 – 19:00
1781852		Otávio Gabriel Alves Lara	THE ROLE OF CARBON BASED CONDUCTIVE ADDITIVE ON THE ELECTROCHEMICAL PROPERTIES OF SOLID-STATE LITHIUM-ION BATTERIES		19:00 – 19:15
1782007		Sergio Assis Machado	ANALYSIS OF THE FRUGAL INNOVACITION CAPACITY OF RECYCLED HDPE ROOF TILES WITH GRAPHENE AND SOLAR PANEL FROM A TECHNOSCIENCE PERSPECTIVE (Pôster não enviado)		19:15 – 19:30
1692457	**Totem 13 Responsável: Valdirene Sullas Teixeira Peressinotto**	Ueslei Giori Favero	ONE-STEP PRODUCTION OF FUNCTIONAL BIOCHAR FROM IRON SALT AND SUGARCANE BAGASSE FOR HERBICIDE REMOVAL FROM AQUEOUS MEDIA (Pôster não enviado)	Materiais porosos e Adsorção	18:00 – 18:15
1697021		Gabriela Fernandes Barreto	MICRO-MESOPOROUS CARBON NANOCOMPOSITES CONTAINING NITROGEN-DOPED CARBON DOTS FOR CO2 CAPTURE		18:15 – 18:30

1701277		Matheus Regino Faria Bernardes	SOLVENT-FREE SYNTHESIS BIOMASS-DERIVED MESOPOROUS CARBONS FOR CO2 ADSORPTION		18:30 – 18:45
1701350		Júlia L. Takenaka de Oliveira	DEVELOPMENT OF MESOPOROUS CARBON PELLETS FOR WASTEWATER TREATMENT		18:45 – 19:00
1701391		Filipe Santos Sousa	INFLUENCE OF DRYING METHODS AND PDMS ADDITION ON THE ELETROMAGNETIC SHIELDING OF GRAPHENE AEROGELS		19:00 – 19:15
1702113		Arthur Hegermann Ferreira	MAGNETIC CARBON DOTS FOR ENVIRONMENTAL APPLICATIONS: SYNTHESIS AND CONGO RED ADSORPTION		19:15 – 19:30
		José Heriberto Oliveira do Nascimento	REDUCED GRAPHENE OXIDE DERIVED FROM TEXTILE INDUSTRY WASTE –SYNTHESIS AND APLICATION		19:30 – 19:45
1702774	**Totem 14 Responsável: VICTOR CAROZO GOIS DE OLIVEIRA**	Anna Júlia Ferreira Santos	DEVELOPMENT OF POLYURETHANE FOAM NANOCOMPOSITE FILTERS FOR CONTAMINANT REMOVAL FROM WASTEWATER	Materiais porosos e Adsorção	18:00 – 18:15
1703030		Elibe S Souza	MAGNETIC CARBONACEOUS MATERIAL DERIVED FROM MIL-100(FE) AS A MAGNETICALLY RECOVERABLE ADSORBENT FOR THE REMOVAL OF POLYSTYRENE MICROPLASTICS (Pôster não enviado)		18:15 – 18:30
1733269		Paulo Cesar de Mello Correa	NANOCONFINEMENT OF SPECIES IN POROUS CARBON MATERIALS INVESTIGATED BY SOLID-STATE NMR SPECTROSCOPY AND TIME-DOMAIN NMR RELAXOMETRY (atualizar poster)		18:30 – 18:45
1759332		Ana Bambirra	MAGNETIC CARBON DOTS FOR THE REMOVAL OF POLYPROPYLENE MICROPLASTICS FROM WATER		18:45 – 19:00
1772942		Jesedh Melissa Vilca Santos	PRODUCTION OF ACTIVATED CARBON FROM RICE HUSK AND EVALUATION OF ITS ADSORPTION AND DESORPTION CAPACITY		19:00 – 19:15
1782111		Danyela Cardoso Carvalho	CARBONOS POROSOS SUSTENTÁVEIS A PARTIR DO LICOR NEGRO KRAFT PARA ADSORÇÃO DE COMPOSTOS ORGÂNICOS		19:15 – 19:30
1578304	**Totem 15 Responsável: ROBERTO HIROKI**	~~A confirmar~~	~~INFLUENCE OF G-C3N4 UPON W-DOPED ALKALI NIOBATE-BASED PEROVSKITES FOR ENVIRONMENT AND ENERGY-RELATED REACTIONS~~ (Pôster não enviado)	Catálise e aplicações relacionadas	18:00 – 18:15
1699002		Maria Eduarda Souza Elias Torres	REMOVAL OF ACETAMINOPHEN FROM WATER VIA OXIDATIVE PROCESSES ASSISTED BY PET-DERIVED ACTIVATED CARBON		18:15 – 18:30
1701347		Wagner Souza Machado	ENGINEERING CARBON ELECTRODES FOR ELECTROCHEMICAL ENERGY DEVICES		18:30 – 18:45
1702704		Fellipe dos Santos Pereira	SUSTAINABLE HYDROGEN PEROXIDE ELECTROSYNTHESIS USING CARBON QUANTUM DOTS DERIVED FROM INVASIVE ALGAE (Pôster não enviado)		18:45 – 19:00
1702746		Marcelo Coelho Batista	STRUCTURAL INSIGHTS AND ELECTROCHEMICAL PERFORMANCE OF CARBON/CUS COMPOSITE ELECTRODES FOR SUPERCAPACITORS		19:00 – 19:15
1702895		Sarah Gabrielle Aparecida Pereira	INFLUENCE OF THE CARBON MATRIX ON THE DEGRADATION OF CARBON/CUS COMPOSITE COUNTER ELECTRODES		19:15 – 19:30
1713797	**Totem 16 Responsável: ELIE MOUJAESS**	Sophia Diniz Guilherme	METAL-FREE G-C_3N_4/FEW-LAYER GRAPHENE HYBRID AS AN EFFICIENT HETEROGENEOUS FENTON-LIKE CATALYST OVER A WIDE PH RANGE	Catálise e aplicações relacionadas	18:00 – 18:15
1724699		Gabriela Bettim de Oliveira	SULFONATED CARBON SUPPORTS FROM GINGER AND CLOVE RESIDUES FOR GREEN H2 PRODUCTION		18:15 – 18:30

1749598		Letícia Fraga Ferreira	DEVELOPMENT AND STABILITY OF HYBRID GRAPHENE OXIDE/CALCIUM OXIDE/SILICA NANODISPERSIONS FOR CARBON-BASED CATALYTIC PLATFORMS		18:30 – 18:45
1752686		Rubens Lucas de Freitas Filho	NICKEL-INCORPORATED MESOPOROUS CARBONS FOR H_2 PRODUCTION THROUGH $NABH_4$ HYDROLYSIS		18:45 – 19:00
1763234		DOUGLAS SANTANNA FRANCISCATO	DEVELOPMENT OF GRAPHENE – METALLIC NANOPARTICLES BASED COMPOSITES FOR PLASMONIC CATALYSIS APPLICATION.		19:00 – 19:15
1780532		José Pedro Rodrigues Ferreira	TRANSITION METAL-MODIFIED CORN COB BIOCHAR AS A SUPPORT FOR RH0 NANOPARTICLES FOR HYDROGEN PRODUCTION FROM NABH4		19:15 – 19:30
1698185	**Totem 17 Responsável: FABIANO VARGAS PEREIRA**	Tiago Augusto Bueno Cotta	INFLUENCE OF CARBON BLACK REDUCTION ON THE REINFORCING EFFECT OF CARBON NANOTUBES IN RUBBER CONVEYOR BELT COVERS	Aplicações industriais de grafeno	18:00 – 18:15
1698192		Bruno Silveira Diniz	EFFECTS OF THE ADDITION OF MULTI-WALLED CARBON NANOTUBES ON THE MECHANICAL RECYCLING OF POLYPROPYLENE		18:15 – 18:30
1698414		Ana Clara Manini Soutelo	DEVELOPMENT OF PET HYBRID NANOCOMPOSITES REINFORCED WITH GRAPHENE OXIDE AND CARBON NANOTUBES THROUGH A MASTERBATCH-BASED PROCESSING STRATEGY		18:30 – 18:45
1698659		Marcelo da Silva Mantini Viana	SCALABLE MASTERBATCH APPROACH FOR CARBON NANOMATERIAL-REINFORCED UNSATURATED POLYESTER RESIN		18:45 – 19:00
1698683		Arthur Oliveira	EVALUATION OF THE PRE-DISPERSION METHODOLOGY OF CARBON NANOTUBES IN DIFFERENT COMPONENTS OF AN ELASTOMERIC SYSTEM		19:00 – 19:15
1701894		Lais Rosa Ferreira	ESTUDO DO GRAFENO PARA O DESENVOLVIMENTO DE MATERIAIS ABSORVEDORES ELETROMAGNETICOS FLEXIVEIS PARA A BANDA K PARA APLICAÇÃO EM REDES 5G		19:15 – 19:30
1705287	**Totem 18 Responsável: VALDEMIR LUDWIG**	Ana Eliza Guerra Diniz	SUSTAINABLE SHELLAC AND CARBON NANOMATERIAL-BASED COATING FOR ENHANCED DURABILITY OF GALVANIZED STEEL	Aplicações industriais de grafeno	18:00 – 18:15
1764150		João Nascimento	DEVELOPMENT OF NANOCOMPOSITE COATINGS AGAINST HYDROGEN EMBRITTLEMENT FOR HIGH-STRENGTH STEEL		18:15 – 18:30
1764798		Felipe Baldo Medeiros Reis	ENHANCED CORROSION RESISTANCE AND SURFACE PROPERTIES OF EPOXY/GRAPHENE OXIDE COATINGS FOR THREADED RODS		18:30 – 18:45
1781171		Fabiele Collovini Tavares	MULTIFUNCTIONAL LLDPE/SWCNT FILM FOR APPLICATION IN CRYSTALLINE SILICON SOLAR CELLS (Pôster não enviado)		18:45 – 19:00
1781185		Patrick de Souza Ventura	POLYPROPYLENE AND CARBON NANOTUBE COMPOSITES FOR APPLICATION AS A STANDARD RESISTOR (Pôster não enviado)		19:00 – 19:15
1639441		Jennifer Oliveira Costa	LIFE CYCLE ASSESSMENT AND CARBON FOOTPRINT OF RECYCLED RARE EARTH COMPOSITE MAGNTES PRODUCED BY ADDITIVE MANUFACTURING	Meio ambiente e sustentabilidade	19:15 – 19:30
1696276	**Totem 19 Responsável: EDSON NOSSOL**	Luiz Claudio Pardini	CARBON FIBER REINFORCED CARBON BRAKES : THE ROLE OF ELECTRICAL CONDUCTIVITY CHARACTERIZATION	Fibra de carbono e seus compósitos	18:00 – 18:15
1698374		Luiz Claudio Pardini	EXTRUSION OF POLYACRILONITRILE AS A PRECURSOR FOR CARBON FIBER MANUFACTURE		18:15 – 18:30
1761828		Oskar Banaszczyk	INFLUENCE OF CARBON XEROGEL SYNTHESIS TIME ON THE ELECTROMAGNETIC PERFORMANCE OF CARBON XEROGEL/CARBONYL IRON/ HYBRID COMPOSITES FOR STEALTH TECHNOLOGIES IN THE X-BAND		18:30 – 18:45

1763210		Arnaldo Kokke de Brito	CNT STRAIN GAUGE FOR STRUCTURAL HEALTH MONITORING		18:45 – 19:00
1763445		Sofia Essebti	CARBONYL IRON HYBRID COMPOSITES BASED ON FAST-SYNTHESIZED CARBON XEROGEL FOR STEALTH AIRCRAFT APPLICATIONS IN THE X BAND		19:00 – 19:15
1763677		Fabio Silmarovi	DEVELOPMENT OF FLEXIBLE IONOGEL ELECTROLYTES FOR APPLICATION IN HYBRID SUPERCAPACITORS		19:15 – 19:30
1775664	**Totem 20 Responsável: GUILHERME LENZ**	Natália Ferreira Braga	PROCESSING AND THERMAL-RHEOLOGICAL CHARACTERIZATION OF PA12 COMPOSITES REINFORCED WITH CARBON FIBER AND GRAPHENE	Fibra de carbono e seus compósitos	18:00 – 18:15
1781051		Rubens Correa	VOLTAGE DEPENDENT ELECTRICAL BEHAVIOR OF CONDUCTIVE ELASTOMERIC O-RINGS (Pôster não enviado)		18:15 – 18:30
1702263		A Confirmar	EXPERIMENTAL CHARACTERIZATION AND COMPUTATIONAL SIMULATION OF POLYPROPYLENE/GRAPHENE NANOCOMPOSITES FOR AUTOMOTIVE APPLICATIONS (Pôster não enviado)	Aplicações no setor automotivo	18:30 – 18:45
1703262		Diego Meireles Lopes	DEVELOPMENT OF INTERSTITIAL-FREE STEEL BONDED JOINTS MODIFIED WITH GRAPHENE NANOPLATELETS (GNPS) FOR AUTOMOTIVE APPLICATIONS		18:45 – 19:00
1705247		Danilo Campanha	MECHANOCHEMICALLY EXFOLIATED GRAPHITE TO BE APPLIED AS LUBRICATING OIL ADDITIVE		19:00 – 19:15
1765206		Pedro Henrique Silva Beraldo	INFLUENCE OF TEMPERATURE AND STORAGE TIME ON THE ELECTROCHEMICAL PERFORMANCE OF SOLID-STATE SUPERCAPACITORS		19:15 – 19:30
1687117	**Totem 21 Responsável: PATRÍCIA ALMEIDA**	Natália Resende Soares	VALORIZATION OF PET WASTE INTO ADSORBENTS FOR CAFFEINE REMOVAL FROM WATER	Materiais porosos e Adsorção	18:00 – 18:15
1764168		Anna Carla Ribeiro	ANTIBACTERIAL COMPOSITE BASED ON ACTIVATED CARBON FUNCTIONALIZED WITH SILVER, COPPER AND GRAPHENE OXIDE NANOPARTICLES FOR MICROBIOLOGICAL APPLICATIONS		18:15 – 18:30
1764682		Rayane Cristian Ferreira Silva	TUNING MESOPOROSITY IN BIOMASS-DERIVED CARBONS BY MECHANOCHEMISTRY FOR THE ADSORPTION OF LARGE EMERGING CONTAMINANTS		18:30 – 18:45
1711442		Anna Carolina Almeida de Paula	SELECTION OF DNA APTAMERS TARGETING THE PB27 PROTEIN OF PARACOCCIDIOIDES SPP. FOR THE DEVELOPMENT OF GRAPHENE OXIDE-BASED FRET OPTICAL BIOSENSORS	Aplicações biomédicas	18:45 – 19:00
1722257		José René Rangel Méndez · IPICYT	EFECTO DE LA CONCENTRACIÓN DE GRUPOS NITROGENADOS (PIRIDÍNICO Y PIRRÓLICO) EN NANOTUBOS DE CARBONO DE PARED MÚLTIPLE EN LA CAPTURA DE CO2	Materiais porosos e Adsorção	19:00 – 19:15
1722268		José René Rangel Méndez · IPICYT	FIBRAS CARBONIZADAS DE AGAVE COMO SOPORTE PARA ÁNODO TRIDIMENSIONAL PARA BATERÍAS MANGANESO-AIRE ACUOSAS	Fibra de carbono e seus compósitos	19:15 – 19:30
1780353	**Totem 22 Responsável: DIEGO MARTINEZ**	Antonio Machado Netto	SOYBEAN HULL BIOCHAR-SUPPORTED PD NANOPARTICLES FOR H2 PRODUCTION FROM FORMIC ACID: A MULTIVARIATE OPTIMIZATION APPROACH	Aplicações biomédicas	18:00 -= 18:15
1694894		Rodrigo Martins Alves	NANOCOMPOSITES OF BIMETALLIC HEXACYANOFERRATES AND CARBON NANOSTRUCTURES FOR AQUEOUS BATTERY APPLICATIONS (Pôster não enviado)		18:15 – 18:30

1771824		Patricia de Almeida Mattos	DESENVOLVIMENTO DE SCAFFOLDS CARBONOSOS TRIDIMENSIONAIS POROSOS A PARTIR DE MATRIZES HÍBRIDAS DE BIOPOLÍMERO E PRECURSORES VEGETAIS BIOATIVOS		18:30 – 18:45
1781896		Túlio Silva Pereira	EFFECTS OF THE INCORPORATION OF GRAPHITIC CARBON NITRIDE (G-C_3N_4) ON THE MORPHOLOGICAL, MECHANICAL, CHEMICAL, AND MICROBIOLOGICAL PROPERTIES OF A DENTAL RESTORATIVE CEMENT (Pôster não enviado)	Produção e Caracterização de Nanomateriais de Carbono	18:45 – 19:00
1779942		P.S.Poon	LOW-TEMPERATURE SYNTHESIS AND CHARACTERIZATION OF DOPED AND NON-DOPED GRAPHENE OXIDE (GO) AND REDUCED GRAPHENE OXIDE (RGO) SPONGE		19:00 – 19:15
1779945		P. S. Poon	INFLUENCE OF L-PROLINE AS A CHIRAL LIGAND UPON THE PHYSICOCHEMICAL PROPERTIES OF NON-DOPED AND S- AND SI-DOPED GRAPHENE-BASED CARBOCATALYSTS		19:15 – 19:30
		Daniel Iata Kind	The influence of NaCl over Carbon dots Fluorescence and use in fingerprint development		19:30 - 19:45
1701409	**Totem 23 Responsável: DANYELA CARDOSO**	MARCOS ROCHA DINIZ DA SILVA	NANO ESPECTROSCOPIA DE INFRAVERMELHO POR RADIAÇÃO SÍNCROTRON APLICADA AO SENSORIAMENTO DE ÁCIDOS NUCLEICOS EM SUPERFÍCIES DE ÓXIDO DE GRAFENO.	Produção e Caracterização de Nanomateriais de Carbono	18:00 – 18:15
1718291		Elias Gabriel de Amorim Silva	BIOMASS DERIVED FROM OIL-BEARING PLANTS FOR THE PRODUCTION OF N- AND S- CODOPED CARBON NANOMATERIALS FOR AQUEOUS NA-ION BATTERIES (SIBS) (Pôster não enviado)		18:15 – 18:30
1729727		GUSTAVO MIGUEL SOUSA	LASER-INDUCED GRAPHENE/CUO NANOPARTICLES WITH CONTROLLED PARTICLE SIZE FOR HIGH-PERFORMANCE L-CYSTEINE SENSING		18:30 – 18:45
1731918		Joaquim Maia Galdino Cortez	SYNTHESIS OF MULTIFUNCTIONAL NANOBIOCHAR FROM REGIONAL BIOMASS (MORINGA OLEIFERA AND PACHIRA AQUATICA) FOR ENERGY, AGRICULTURAL AND ENVIRONMENTAL APPLICATIONS (Pôster não enviado)		18:45 – 19:00
1765415		MANUEL KARIM SAPAG	VALORIZATION OF PEACH STONE AND EGGSHELL WASTES INTO CARBON CO2 ADSORBENTS VIA DRY MECHANOCHEMICAL SYNTHESIS		19:00 – 19:15
1764226		Gustavo Rocha Andrade	HOW GRAPHENE ENHANCES THE PERFORMANCE OF CUO-BASED SUPERCAPACITORS		19:15 – 19:30
1769740		MANUEL KARIM SAPAG	WATER ADSORPTION BEHAVIOR IN CMK-8 CARBONS: EFFECTS OF SYNTHESIS VARIATIONS AND CHEMICAL FUNCTIONALIZATION		19:30 – 19:45
1758087	**Totem 24 Responsável: FÁBIO CARDOSO OFREDI MAIA**	GABRIEL ROCHA MACHADO SANTANA	INVESTIGATION OF USING S-N CO-DOPED GRAPHENE QUANTUM DOTS TO IN SITU SYNTHESIS OF GOLD NANOPARTICLES FOR PHOTO CATALYSIS	Catálise e aplicações relacionadas	18:00 – 18:15
1763222		A confirmar	PHOTOCATALYTIC DEGRADATION OF CARBAMAZEPINE USING CO- AND CU-DOPED TIO_2 SUPPORTED ON BIO-BASED ACTIVATED CARBON (Pôster não enviado)		18:15 – 18:30
1724890		Mauricio Kubaski	INFLUENCE OF GRAPHENE OXIDE DISPERSION STATE ON THE HYDRAULIC PERMEABILITY OF REVERSE OSMOSIS MEMBRANES	Aplicações industriais de grafeno	18:30 – 18:45
1762544		Roberta M. S. Silva	PROCESSING STRATEGIES FOR INCORPORATING GRAPHENE OXIDE INTO APTES-FUNCTIONALIZED BIOGLASS: EFFECTS ON THE STRUCTURE AND HOMOGENEITY OF THE COMPOSITE		18:45 – 19:00
1765221		Rafael Gonçalves	MEMBRANE DEVELOPMENT FOR WATER DESALINATION FROM CARBON NANOTUBE OR GRAPHENE OXIDE NETWORK (Pôster não enviado)		19:00 – 19:15

1781600		Alana Monteiro Cordeiro	RICE HUSK-DERIVED GRAPHENE NANOPLATELETS FOR CEMENTITIOUS BARRIERS IN CO2 GEOLOGICAL STORAGE: PRE-CARBONATION CHARACTERIZATION		19:15 – 19:30
1761166		Jefferson de Paula	STUDY OF THE EFFECT OF GRAPHENE ON THE POROSIMETRY OF CONCRETE MORTAR		19:30 – 19:45