

9H00	REGISTRATION AND WELCOME COFFEE		
10H00	OPENING CEREMONY HUGO PIRES: SECRETARY OF STATE FOR THE ENVIRONMENT JOSÉ MANUEL SILVA: COIMBRA CITY HALL MAYOR AMIL CAR FALCÃO: RECTOR OF THE UNIVERSITY OF COIMBRA PAULA VERÍSSIMO: VICE-DIRECTOR OF THE FACULTY OF SCIENCES AND TECHNOLOGY AT THE UNIVERSITY OF COIMBRA CÂNDIDA VILARINHO: CHAIR OF WASTES 2023 ROOM: AUDITÓRIO		
10H30	PLENARY SESSION I INNOVATIVE MATERIALS BASED ON WASTES: THE WAY AHEAD! RAÚL FANGUEIRO - UNIVERSITY OF MINHO (PORTUGAL) ROOM: AUDITÓRIO - CHAIR: MARGARIDA GONÇALVES		
	ROOM: AUDITÓRIO - CHAIR: MARGARIDA QUINA	ROOM: ANFITEATRO C - CHAIR: ANTONIO LORENA	ROOM: ANFITEATRO B - CHAIR: CÉLIA FERREIRA
	SESSION A1: RECYCLING OF WASTES AND RESOURCES RECOVERY	SESSION A2: SMART TECHNOLOGIES AND DIGITAL TOOLS IN WASTE MANAGEMENT	SESSION A3: CIRCULAR ECONOMY AND INDUSTRIAL SYMBIOSES
11H15	A. RAVLIKOVSKY VALORIZATION OF SPENT SHIITAKE MUSHROOM SUBSTRATE - A POTENTIAL ALTERNATIVE TO PEAT	R. C. MADUREIRA SMART WASTE MANAGEMENT: A LOOK ON PORTUGAL TOWARDS THE SDGS	D. M. FERREIRA FERMENTED OLIVE POMACE - A SOLUTION FOR WASTE AND AN OPPORTUNITY FOR THE FOOD INDUSTRY
11H30	A. C. RODRIGUES ACÁCIA SP. BARK: FROM WASTE TO A NATURE-BASED SOLUTION FOR WATER TREATMENT	J. PRATA BENEFITS FROM REAL-TIME MONITORING OF DOOR-TO-DOOR SOLID WASTE COLLECTION	A. FONSECA COMPARING CIRCULARITY IN MUNICIPAL WASTE MANAGEMENT SYSTEMS: PORTO & LISBON
11H45	F. ALMEIDA MORTARS CONTAINING A HYBRID ALKALINE CEMENT AND HIGH CONTENTS OF RECYCLED AGGREGATES	M. ABREU MARGINAL SOILS FOR BIOENERGY PRODUCTION - HOW TO IDENTIFY THESE SOILS IN PORTUGAL?	D. ALVES NONWOVEN STRUCTURES BASED ON RECYCLED POLYESTER AND FOOTWEAR WASTE
12H00	F. BRAGA SELECTIVE RECOVERY OF PLATINUM FROM SPENT AUTOMOTIVE CATALYTIC CONVERTERS USING SALT-BASED LEACHING AGENT	S. CARVALHO DEVELOPMENT OF WASTE MANAGEMENT TECHNOLOGIES DATABASE WASTEDB	F. SCANDURRA CIRCULAR ECONOMY PRACTICES IN THE AGRI-FOOD SECTOR: AWARENESS AND MATURITY LEVEL IN PORTUGUESE COMPANIES
12H15	J. ALMEIDA ELECTRODIALYTIC RECOVERY OF LITHIUM FROM MINE RESIDUES COUPLING OXALIC ACID	A. SILVA SYSTEM SIZE INFLUENCE ON OPTIMIZATION OF MUNICIPAL SOLID WASTE COLLECTION	A. GAMA STUDY OF THE STATE OF THE ART OF THE CIRCULAR ECONOMY
12H30	LUNCH		
14H00	PLENARY SESSION II THE ROLE OF BIOMASS WASTES IN THE ENERGY AND MATERIALS TRANSITION HEATHER WRAY - TNO (NETHERLANDS) ROOM: AUDITÓRIO - CHAIR: ANA LUISA FERNANDO		
	ROOM: AUDITÓRIO - CHAIR: CARLOS NOGUEIRA	ROOM: ANFITEATRO C - CHAIR: ANDRÉ RIBEIRO	ROOM: ANFITEATRO B - CHAIR: JOSÉ GÓIS
	SESSION B1: WASTE TREATMENT AND VALORIZATION TECHNOLOGIES	SESSION B2: LIFE CYCLE ASSESSMENT AND CARBON FOOTPRINT	SESSION B3: ENVIRONMENTAL, ECONOMIC AND SOCIAL ASPECTS IN WASTE MANAGEMENT
14H45	A. M. MATOS WASTE MARBLE VALORISATION IN 3D CEMENTITIOUS MATERIALS PRINTING	I. BRÁS LOCAL WASTE AGROFORESTRY MANAGEMENT - BIOMASS TO ENERGY ANALYSIS WITH LCA	B. BANDARRA EVALUATING A BATTERY OF BIOTESTS FOR ECOTOXICITY ASSESSMENT OF WASTE
15H00	I. SILVA EFFECTS OF STORAGE TIME IN PIG SLURRY TO ENHANCE BIOENERGY RECOVERY	M. MORENO LIFE CYCLE ASSESSMENT FOR LASER TEXTURING OF COMPLEX SURFACES	A. P. MARTINHO AWARENESS IN SUSTAINABILITY AND WASTE RECYCLING IN SINTRA: PARTICIPATORY METHODS
15H15	D. KASSIM PRODUCTION OF LOW-CARBON CONCRETE USING ALKALI-ACTIVATED ALUMINOSILICATE INDUSTRIAL WASTES AS ALTERNATIVE BINDERS	C. MOURA LIFE CYCLE ASSESSMENT AND SENSITIVITY ANALYSIS OF ASPHALT MIXTURES WITH HIGHER RECLAIMED ASPHALT INCORPORATION	A. L. FERNANDO ENERGY FROM GIANT REED CULTIVATED IN CONTAMINATED SOILS - IS IT SUSTAINABLE?
15H30	M. RITTER EFFECT OF SILICON SOURCE AND TEMPERATURE ON THE FORMATION OF ZEOLITES OBTAINED FROM SALT SLAG	S. CARVALHO DEVELOPMENT OF LCA BASED MODEL FOR ASSESSING CITIZEN'S WASTE DISPOSAL PRACTICES	R. C. MADUREIRA SUSTAINABLE ENVIRONMENTAL WASTE DISPOSAL BEHAVIOUR IN PRE AND POST COVID-19: A CASE STUDY OF PORTUGAL.
15H45	M. NOGUEIRA ADSORPTION OF RARE EARTH ELEMENTS ONTO SPENT TYRE RUBBER ADSORBENTS: A SUSTAINABLE APPROACH FOR CRITICAL ELEMENT RECOVERY	A. L. FERNANDO PHYTOMANAGEMENT OF CONTAMINATED SOILS BY INDUSTRIAL CROPS - EVALUATION OF THE LOCAL ENVIRONMENTAL IMPACTS	G. RODRÍGUEZ THE CONSTRUCTION OF A SOIL REINFORCED STRUCTURE USING WASTE
16H00	J. DOSTA AMMONIACAL NITROGEN RECOVERY FROM SWINE SLURRY USING A GAS-PERMEABLE MEMBRANE: EFFECT OF PH AND FEED-TO-TRAPPING VOLUME RATIO	E. ALY POST-COMBUSTION CO2 CAPTURE USING ION-EXCHANGED BINDER-FREE NAY ZEOLITES	B. BRINGSKEN SOCIOLOGY OF WASTE: NORMS AS PRE-DISPOSITION FOR ACCEPTANCE OF PAYT TARIFFS
16H15	E. DURÁN HYDROCHAR FROM VINEYARD PRUNING WASTE AS ADSORBENT FOR THE REMOVAL OF CONTAMINANTS OF EMERGING CONCERN	J. DUARTE REPURPOSING OF LFP EV BATTERIES FOR STATIONARY STORAGE - LIFE CYCLE ASSESEMENT OF CASE STUDY	A. P. MARTINHO PERCEPTIONS OF POPULATIONS AND TECHNICIANS IN WASTE MANAGEMENT IN NAMPULA, MOZAMBIQUE
16H30 - 17H00	POSTER SESSION I		
17H - 19H	RECEPTION AND VISIT - MUSEU NACIONAL DE MACHADO DE CASTRO		

POSTER SESSIONS I & II

THEME	TITLE	AUTHOR	NR
1 MANAGEMENT OF WASTE STREAMS	THE UPVALUE CONCEPT UNDER THE SCOPE OF WASTE DIGITAL, MARKETPLACE AND MATCHMAKING PLATFORMS	M. SOARES	1.1
	FINDING SYNERGIES BETWEEN AGRI-FOOD AND CONSTRUCTION INDUSTRIES	M. SOARES	1.2
	ALGAE AS METAL PRE-CONCENTRATORS FROM ACID MINE DRAINAGE: TRUTH AND MYTHS	H. PASSOS	1.3
	CHALLENGES IN THE ACHIEVEMENT OF EUROPEAN TARGETS FOR RECYCLING: BIOWASTE TREATMENT INFRASTRUCTURES IN THE ALENTEJO-ALGARVE REGION	A. PARDAL	1.4
	USE OF OYSTER SHELL POWDER AS A LIMING MATERIAL IN THE REMEDIATION OF A PYRITE MINE-CONTAMINATED SOIL	P. ALVARENGA	1.5
	WASTELESS PROJECT: DEVELOPMENT OF SOLUTIONS TO FULLY VALORIZE FOOD LOSSES AND AGRO-INDUSTRIAL WASTES	P. ALVARENGA	1.6
	RESIDUAL BIOMASS COLLECTION CENTERS AS A LOCAL STRATEGY TO PROMOTE CIRCULAR BIOECONOMY	I. BRÁS	1.7
2 ENVIRONMENTAL, ECONOMIC AND SOCIAL ASPECTS IN WASTE MANAGEMENT	ECOTOXICOLOGY-BASED APPROACHES FOR WASTE CLASSIFICATION	L. FARIA	2.1
	SUSTAINABILITY ASSESSMENT OF A BIOWASTE MANAGEMENT STRATEGY	E. CIFRIÁN	2.2
	THE EFFICIENT MANAGEMENT OF URBAN WASTE TO PROMOTE THE CIRCULAR ECONOMY	R. FARIA	2.3
3 WASTE-TO-ENERGY TECHNOLOGIES	INFLUENCE OF THE TEMPERATURE ON THE SLOW PYROLYSIS OF PINECONES	A. RIBEIRO	3.1
	MICROWAVE PLASMA GASIFICATION: AN INNOVATIVE APPROACH FOR SEWAGE SLUDGE TREATMENT	N. PACHECO	3.2
	TECHNO-ECONOMIC ANALYSIS OF HYDROGEN PRODUCTION FROM SWITCHGRASS ENERGY CROP	A. RIBEIRO	3.3
	UPGRADING POLYMERIC REFUSE DERIVED FUEL BY CARBONIZATION	R. PANIZIO	3.4
	REFUSE DERIVED FUEL PELLETS AS FEEDSTOCK FOR ENERGY PRODUCTION.	S. M. SANTOS	3.5
	POULTRY AND WOOD INDUSTRY WASTES CO-MANAGEMENT: CREATION OF VALUE-ADDED WITH FUNGAL PRE-TREATMENT OF WOOD	I. MARQUES	3.6
	INFLUENCE OF ARUNDO DONAX BIOMASS ON THE ANAEROBIC CO-DIGESTION OF FILTERED SWINE WASTEWATER	B. PETRY	3.7
	SOLAR ENERGY ALTERNATIVE FOR SUSTAINABLE MOBILITY ON AMAZON RIVERS OF MANAUS REGION	J. GÓIS	3.8
	PRODUCTION OF PELLETS FROM LIGNOCELLULOSIC BIOMASS RESIDUES AND HYDROCARBON SLUDGE FOR ENERGY RECOVERY	R. PANIZIO	3.9
	AGRICULTURAL RESIDUAL BIOMASS HEAT POTENTIAL ASSESSMENT: A CONTRIBUTION TO THE AGRICULTURAL SOLID WASTE (ASW) ENERGY VALUATION	A. BOANE	3.10
4 LIFE CYCLE ASSESSMENT AND CARBON FOOTPRINT	LIFE CYCLE ASSESSMENT OF THE PRODUCTION OF A FIRE CURTAIN	L. NASCIMENTO	4.1
	LIFE CYCLE ASSESSMENT OF A SEAMLESS PIECE OF CLOTHING FROM A PORTUGUESE TEXTILE COMPANY	T. MATA	4.2
	CARBON FOOTPRINT OF A CARDOON/STARCH PARTICLEBOARD	T. MATA	4.3
	COMPARATIVE LIFE CYCLE ASSESSMENT OF PRUNING WASTE VALORIZATION FROM THE WINE INDUSTRY	R. SIMÕES	4.4
5 WASTE TREATMENT AND VALORIZATION TECHNOLOGIES	SEWAGE SLUDGE TREATMENT WITH BIOMASS ASH FOR ITS AGRICULTURAL USE	C. P. GIL	5.1
	COPPER RECOVERY FROM PRINTED CIRCUIT BOARDS: PERCOLATION LEACHING	M. F. ALMEIDA	5.2
	SPRAY DRYING AND PROCESS OPTIMIZATION OF THE WATER TREATMENT PLANT SLUDGE	B. S. DE MELLO	5.3
	THE CURRENT STATE OF WASTES VALORIZATION FROM WINE PRODUCTION	Z. GENISHEVA	5.4
	POTENTIAL FOR WASTE VALORIZATION IN AZOREAN FISH INDUSTRY	N. VALÉRIO	5.5
	ENDOSPERM RICE FIBER BY-PRODUCT AS SOURCE OF BIOACTIVE PHENOLIC COMPOUNDS	A. TASSONI	5.6
	LIQUID PHASE ADSORPTION OF NAPHTHALENE USING BIOCHAR PRODUCED FROM RESIDUES	A. C. ASSIS	5.7
	MULLITE BASED CERAMICS AS A POTENTIAL APPROACH FOR THE VALORISATION OF PETROCHEMICAL CATALYSTS WASTE	A. L. DELGADO	5.8
	CO2 CAPTURE IN 3D-PRINTED CARBON MONOLITH BY ADSORPTION	A. HENRIQUE	5.9
	ENHANCING EXTRACTION EFFICIENCY OF VALUABLE COMPOUNDS FROM VINE PRUNING RESIDUES WITH IONIC LIQUIDS	F. COLUSSI	5.10
	CATALYSTS DERIVED FROM COMPOST GENERATED FROM MUNICIPAL SOLID WASTES AND THEIR APPLICATION IN THE TREATMENT OF LEACHATE WATERS BY CATALYTIC WET PEROXIDE OXIDATION	H. GOMES	5.11
	VALORIZATION OF CASHEW NUT SHELL OIL IN THE SUSTAINABLE DEVELOPMENT OF EPOXY RESIN HARDENERS	D. RIBEIRO	5.12
	PRODUCTION OF BIODEGRADABLE PLASTIC FROM MALANGA WASTES	E. L. SERRANO	5.13
	APPLICATION OF SOLID WASTES TO TREAT SWINE WASTEWATER	E. DOMÍNGUES	5.14

<p>CIRCULAR ECONOMY AND INDUSTRIAL SYMBIOSES</p> <p>6</p>	MAPPING MUNICIPAL SOLID WASTE TO BOOST CIRCULAR VALORIZATION PRACTICES IN ŁÓDZKIE	P. MOURA AND A. EUSÉBIO	6.1
	DEVELOPMENT OF COMPOSITES WITH PLASTIC WASTE AND USED FOUNDRY SANDS	F. CASTRO	6.2
	EXPLORING NEW FRONTIERS FOR BIOMASS ASH IN ADDITIVE MANUFACTURING	G. ASCENSÃO	6.3
	SYNTHETIC AGGREGATES BASED ON INDUSTRIAL WASTE	T. RADU	6.4
	HOOP FINANCIAL TOOLS TO PROVIDE TECHNICAL ASSISTANCE FOR URBAN CIRCULAR BIOECONOMY PROJECTS FROM BIOWASTE AND WASTEWATER SLUDGE	D. SILVA	6.5
	VALORIZATION OF WATER TREATMENT SLUDGE FROM A CIRCULAR ECONOMY PERSPECTIVE - THE CASE OF THE WTP OF AREIAS DE VILAR	A. P. MATTOSO	6.6
<p>RECYCLING OF WASTES AND RESOURCES RECOVERY</p> <p>7</p>	FERMENTABLE SUGARS FROM PRIMARY SLUDGE BY INNOVATIVE ENZYMATIC HYDROLYSIS.	L. MARCOLONGO	7.1
	ANN AND DOME TO PREDICT THE MOISTURE DAMAGE RESISTANCE OF HMA WITH RCA	A. P. PASANDÍN	7.2
	FRACTURE PERFORMANCE OF HWMRA MADE WITH WASTE LIGNIN.	A. P. PASANDÍN	7.3
	CHEMICAL EVALUATION OF AGRO-INDUSTRIAL WASTES FOR COMPOSTING WATER HYACINTH	V. OLIVEIRA	7.4
	UPCYCLING OF DENIM DISCARD FOR DEVELOPMENT OF NEW MATERIAL	A. D. MARQUES	7.5
	HYDRAULIC BEHAVIOUR OF A NONWOVEN GEOTEXTILE SUBMITTED TO MECHANICAL DAMAGE TESTS WITH INCINERATOR BOTTOM ASH	J. R. CARNEIRO	7.6
	SCHEELITE RESIDUES TAPES	W. ACCHAR	7.7
	USE OF RECYCLED AGGREGATES FROM CONSTRUCTION AND DEMOLITION WASTE AND INCINERATOR BOTTOM ASH AS FILLING MATERIAL IN ROAD INFRASTRUCTURES	J. R. CARNEIRO	7.8
	WALNUT HUSK RESIDUES - A SUSTAINABLE STRATEGY FOR PLANT-PARASITIC NEMATODES MANAGEMENT	C. MALEITA	7.9
	ORANGE PEEL VALORIZATION USING SUSTAINABLE APPROACHES	M. BRAGA	7.10
	EFFECT OF WETTING-DRYING CYCLES ON THE TENSILE BEHAVIOUR OF GEOSYNTHETICS EMBEDDED IN RECYCLED AGGREGATES COMING FROM CONSTRUCTION AND DEMOLITION WASTE (C&DW)	P. PEREIRA	7.11
	E-WASTE: AN INTEGRATED PROCESS FOR RECYCLING AND RESOURCE RECOVERY	F. ANDREOLA	7.12
	AN INNOVATIVE MICROWAVE TECHNOLOGY FOR STRATEGIC METALS RECOVERY FROM EXHAUSTED LITHIUM -ION BATTERIES	A. ZANOLETTI	7.13
BIOACTIVE MOLECULES FROM ESSENTIAL OIL EXTRACTION WASTES	G. SOUILLACI	7.14	
<p>FOOD WASTE MANAGEMENT AND BIOECONOMY</p> <p>8</p>	STRAWBERRY COATING WITH FRUIT WASTE-BASED FORMULATIONS	M. BRAGA	8.1
	USE OF WASTE FROM BARS AND RESTAURANTS FOR THE PRODUCTION OF BALANCED DOG FOOD	E. L. SERRANO	8.2
	SUSTAINABILITY IN CATTLE SLAUGHTER: WASTES OF THE ANIMALS ALONG THE SLAUGHTER LINE	A. ESTEVES	8.3
	TECHNOPATHIES IN SLAUGHTERHOUSE VS. FOOD WASTE	A. JESUS	8.4
	VALORISATION OF POULTRY FEATHER WASTES: KERATIN RECOVERY USING IONIC LIQUIDS	H. PASSOS	8.5
	SPENT COFFEE GROUNDS HINDER THE GROWTH OF WILD ROCKET BUT INCREASE ITS ANTIOXIDANT QUALITY	P. LORENZO	8.6
<p>PLASTIC WASTE IMPACTS, MANAGEMENT STRATEGIES AND SOLUTIONS</p> <p>9</p>	COSMO-RS MODELING FOR EFFICIENT DEEP EUTECTIC SOLVENT SELECTION IN PLASTIC RECYCLING	A. FERREIRA	9.1
	CARBON NANOTUBES DERIVED FROM MODEL PLASTIC SOLID WASTE: METAL SUBSTRATE EFFECT IN SYNTHESIS PROCEDURE	F. ROMAN	9.2
<p>WASTES AS CRITICAL RAW MATERIALS RESOURCES</p> <p>10</p>	SPENT COFFEE GROUNDS, GRAPE POMACE AND BREWERY SPENT GRAIN: PRELIMINARY CHARACTERIZATION AIMING AT BIODIESEL PRODUCTION	E. COSTA	10.1
	PRODUCTION OF NANOCELLULOSE FROM LIGNOCELLULOSIC RICH WASTES - AN ADDED VALUE PRODUCT FOR THE BIOPLASTICS REINFORCEMENT	A. L. FERNANDO	10.2
	WASTE FROM THE MANAGEMENT OF THE INVASIVE ACACIA DEALBATA AS A SOURCE OF PRODUCTS FOR AGRICULTURE PURPOSES	P. LORENZO	10.3

INDUSTRY SESSION A

[Inscreva-se aqui](#)

Participação gratuita mas sujeita a inscrição. Conferencistas têm livre acesso, sem necessidade de registo na sessão indústria.

Incorporação de Resíduos na Pavimentação

06/09/2023

ANFITEATRO A

PROGRAMA

11H15

HUGO SILVA E JOEL OLIVEIRA, UNIVERSIDADE DO MINHO

A importância da investigação na validação de soluções de pavimentação com incorporação de resíduos

11H25

JOANA PRAGOSA E FRANCISCO CASTRO, PRAGOSA S.A.

Reciclagem total de pavimentos a frio com utilização de betume-espuma

11H35

MARIA JOÃO MARQUES, GLOBALVIA

A visão e estratégia da Globalvia para a promoção da sustentabilidade na pavimentação rodoviária

11H45

FLÁVIO ALMEIDA, SOCORPENA

Desenvolvimento de misturas betuminosas a quente com incorporação de 30% de MBF, mantendo características de uma mistura convencional

11H55

MAFALDA RODRIGUES, DST GROUP

A estratégia da DST para transformação de resíduos em novos materiais de pavimentação

12H05

FERNANDO MARTINHO, CONSULTOR TÉCNICO A NÍVEL INDIVIDUAL

Incorporação de Resíduos de Construção e Demolição em misturas betuminosas

12H15

Q&A

Organizado por:

Parceiros:



PRAGOSA

 **globalvia**

 **Socorpenna**

dst domingos da
silva teixeira

INDUSTRY SESSION B/C

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From waste to innovative products

06/09/2023

ANFITEATRO A

PROGRAMA

14H45

FERNANDO LEITE, FIBRENAMICS

Polymeric composites based on industrial textile PET for automotive sector

15H00

DANIEL BARROS, FIBRENAMICS

Polymeric composites based on chemical treated textile waste from car seat covers

15H15

SÍLVIA FERREIRA, FIBRENAMICS

Innovative fibrous structures based on circular economy principles for home textiles

15H30

FERNANDO LEITE, FIBRENAMICS

Acoustic performance of panels developed with organic waste

15H45

DANIEL BARROS, FIBRENAMICS

PA-12 mineral composites processed by SLS printing based on chemical treated mineral waste for construction and architecture sectors

16H00

JOÃO VALÉRIO E ANA LUÍS GOMES, RECUTEX

The Taste of Waste

16H15

Q&A

Organizado por:



Parceiro:

