

9H00	REGISTRATION AND WELCOME COFFEE		
10H00	<p>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</p>		
10H30	<p>PLENARY SESSION I INNOVATIVE MATERIALS BASED ON WASTES: THE WAY AHEAD! RAÚL FANGUEIRO - UNIVERSITY OF MINHO (PORTUGAL) ROOM: AUDITÓRIO - CHAIR: MARGARIDA GONÇALVES</p>		
	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	<p>PLENARY SESSION II THE ROLE OF BIOMASS WASTES IN THE ENERGY AND MATERIALS TRANSITION HEATHER WRAY - TNO (NETHERLANDS) ROOM: AUDITÓRIO - CHAIR: ANA LUISA FERNANDO</p>		
	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		

PROGRAM

THURSDAY > 7 SEPT

9H15	<p align="center">PLENARY SESSION III RECOVERY STRATEGIES FOR SPENT LITHIUM-ION BATTERIES ELZA BONTEMPI - UNIVERSITY OF BRESCIA (ITALY) ROOM: AUDITÓRIO - CHAIR: MARGARIDA QUINA</p>		
	ROOM: AUDITÓRIO - CHAIR: MARGARIDA GONÇALVES	ROOM: ANFITEATRO C - CHAIR: NUNO CRISTELO	ROOM: ANFITEATRO B - CHAIR: MARA BRAGA
	SESSION D1: RECYCLING OF WASTES AND RESOURCES RECOVERY	SESSION D2: MANAGEMENT WASTES STREAMS	SESSION D3: FOOD WASTE MANAGEMENT AND BIOECONOMY
10H00	A. SANTOS PHOSPHORUS CONCENTRATION AND SPECIATION IN URBAN WASTEWATER FOR POTENTIAL RECOVERY	E. S. CLEMENTE IMPROVING THE EFFICIENCY OF SOLAR AOPS TECHNOLOGIES: A WIN-WIN APPROACH	P. RODRIGUES, F. DAVID, M. E. SOARES AND N. MELO ENERGY RECOVERY OF BIOWASTE IN AN ASSOCIATION OF MUNICIPALITIES IN PORTUGAL
10H15	L. MARCHIORI ENVIRONMENTAL-CHEMICAL COMPATIBILITY OF GRANITIC-MINING WASTE FOR LINER MATERIAL	K. KAPTAN CONSTRUCTION AND DEMOLITION WASTE PARAMETERS IN NORTHERN EUROPEAN COUNTRIES	J. TUDELLA AGRO-INDUSTRIAL WASTES AS NUTRIENTS FOR SUSTAINABLE MICROALGAE CULTIVATION
10H30	L. RIBEIRO CATALYTIC VALORISATION OF AGRO-FORESTRY BIOMASS WASTES TO ETHYLENE GLYCOL	L. PARSONS ASSESSMENT OF THE MECHANICAL STRENGTH OF CONCRETE CONTAINING HIPS E-PLASTIC WASTE	A. RIBEIRO PEACH PROCESSING WASTES STABILIZATION: EFFECT ON THE PHYSICAL-CHEMICAL AND MICROBIOLOGICAL PROPERTIES
10H45	J. ZHIYOU PHYSICAL AND MECHANICAL PERFORMANCE OF GREEN CONCRETE	G. LAMAA ALUMINOSILICATE INDUSTRIAL WASTES AS PRECURSORS IN THE PRODUCTION OF CO ₂ -CURED ALKALI-ACTIVATED PRECAST CONCRETE	P. ESPERANÇO SPENT COFFEE GROUNDS AS A SOURCE OF BIOACTIVE AND ANTIMICROBIAL COMPOUNDS FOR THE PRODUCTION OF HYDROGELS
11H00	COFFEE BREAK		
	ROOM: AUDITÓRIO - CHAIR: CASTORINA VIEIRA	ROOM: ANFITEATRO C - CHAIR: FERNANDO CASTRO	ROOM: ANFITEATRO B - CHAIR: JORGE ARAÚJO
	SESSION E1: RECYCLING OF WASTES AND RESOURCES RECOVERY	SESSION E2: WASTES AS CRITICAL MATERIALS	SESSION E3: BIOLOGICAL TREATMENT TECHNIQUES
11H30	T. BAJDA THE USE OF FLY ASH TRANSFORMATION PRODUCTS AS SORBENTS TO REMOVE CONTAMINANTS FROM WATER AND WASTEWATER	A. M. MATOS DESIGN OF HIGH-PERFORMANCE CONCRETE INCORPORATING WASTE GLASS POWDER	D. LOPES AND I. LEITE FOULING EVENT IN ULTRAFILTRATION MEMBRANES: CASE STUDY OF A FULL-SCALE MBR PLANT FOR LEACHATE TREATMENT IN PORTUGAL
11H45	L. MARCHIORI ASSESSMENT OF IRON SLAG PROPERTIES FOR GRANULAR SOIL REINFORCEMENT	B. MUIR VOCs POLLUTIONS IN WATER SYSTEMS: SOURCES OF CONTAMINATION, MAIN CHALLENGES OF TREATMENT TECHNOLOGY, FUNCTIONALIZED MINERAL SORBENTS AS AN ALTERNATIVE	H. SÁ BIODEGRADATION OF SULFAMETHOXAZOLE IN WATER BY LACCASE FROM THE FUNGUS LENTINUS SAJOR CAJU
12H00	M. C. DIEZ INDUSTRIAL RESIDUES AS AMENDMENTS OF A SANDY SOIL TO IMPROVE WATER HOLDING CAPACITY AND PRODUCTION OF LILIUM PERENNE	A. P. PAIVA LIQUID PHASE RECOVERY PROCESSES OF PLATINUM-GROUP METALS FROM SPENT AUTOMOTIVE CATALYSTS - A SHORT OVERVIEW OF THE MOST RECENT ADVANCES	A. G. GOMES STUDIES OF SILVER ADSORPTION TO BIOCHARS FOR THE PURPOSE OF METAL RECOVERY FROM ELECTRONIC AND ELECTRICAL EQUIPMENT WASTE
12H15	G. MANCINI AN INDUSTRIAL SYMBIOSIS-BASED SOLUTION TO COPE WITH DELAYS IN WASTE AND WASTEWATER MANAGEMENT IN SOUTH EUROPE REGIONS	R. MODOLO PHOSPHORUS RECOVERY PROCESS FROM A BIOGAS INDUSTRY UNDER A SIMPLIFIED LCA PERSPECTIVE	T. L. SILVA EFFECT OF <i>NANNOCHLOROPSIS</i> SP. CELL DISRUPTION ON MICROALGAE LIPID EXTRACTION YIELDS
12H30	C. MARIA MUNICIPAL SOLID WASTE GENERATION AND CHARACTERISATION IN DEVELOPING COUNTRIES: THE CASE STUDY OF LUANDA-ANGOLA	C. NOGUEIRA PRE-TREATMENT OPERATIONS ENVISAGING THE PROCESSING OF SPENT LI-ION BATTERIES BY HYDROMETALLURGY	A. R. SILVA CARBON MATERIALS INCREASE THE ANAEROBIC BIODEGRADABILITY OF A SEWAGE SLUDGE CONTAMINATED WITH PERFLUOROALKYL SUBSTANCES
12H45	C. WÖLFLE THE USE OF TREATED LEAD SLAG AS A SUBSTITUTE FOR NATURAL SAND IN CONCRETES	J. PINTO YTTRIUM RECOVERY FROM LAMP WASTE: THE POTENTIAL OF ALGAE AS GREEN SORBENTS	J. SILVA ACTIVATED SLUDGE REACTOR EFFICIENCY FOR LOW PH AND NUTRIENTS WINERY WASTEWATER
13H00	LUNCH		
14H30	<p align="center">PLENARY SESSION IV CIRCULAR ECONOMY: MAIN INDUSTRY TRIGGERS AND SOLUTIONS HERMANO RODRIGUES (PORTUGAL) ROOM: AUDITÓRIO - CHAIR: RAÚL FANGUEIRO</p>		
	ROOM: AUDITÓRIO - CHAIR: JOEL OLIVEIRA	ROOM: ANFITEATRO C - CHAIR: CATARINA NOBRE	ROOM: ANFITEATRO B - CHAIR: CONCEIÇÃO PAIVA
	SESSION F1: RECYCLING OF WASTES AND RESOURCES RECOVERY	SESSION F2: WASTE-TO-ENERGY TECHNOLOGIES	SESSION F3: WASTE TREATMENT AND VALORIZATION TECHNOLOGIES
15H00	M. FERNÁNDEZ-DELGADO COMPARATIVE STUDY OF MEMBRANE TECHNOLOGY FOR RECOVERY OF HUMIC SUBSTANCES	L.F.A.S. ZAFANELLI PURIFICATION OF GREEN HYDROGEN FROM NATURAL GAS GRIDS USING ZEOLITE 13X	R. RODRIGUES ULTRASOUNDS EFFECT ON THE PHENOLIC COMPOUNDS EXTRACTION FROM GRAPE POMACE
15H15	R. AHMED EFFECT OF CHLORINATION ON THE BEHAVIOR OF JAROSITE AND TRACE ELEMENTS	D. PRATO-GARCIA ENVIRONMENTAL FOOTPRINT OF H ₂ PRODUCED FROM AGROINDUSTRIAL FEEDSTOCKS	R. MARTINS COAGULATION TREATMENT FOR OLIVE OIL POMACE EXTRACTION WASTEWATER
15H30	V. OLIVEIRA VALORIZATION OF WATER HYACINTH WASTE THROUGH COMPOSTING	F. PEREIRA RELEVANCE OF SULFUR CONTENT FROM WASTE FEEDSTOCK FOR BIODIESEL PRODUCTION	C. A. SANTOS LIGHT EFFECT ON ANAEROBIC DIGESTION OF HETEROTROPHIC MICROALGAE
15H45	S. VENTURA DURABILITY OF CONCRETE WITH ALKALI-ACTIVATED MATERIALS, A SHORT LITERATURE REVIEW	A. V. ENSINAS OPTIMAL SUPERSTRUCTURE MODEL OF SUGARCANE-MICROALGAE BASED BIREFINERY	M. MICHELIN ORGANOSOLV LIGNIN FOR THE DEVELOPMENT OF CARBON-BASED MATERIALS
16H00	R. MODOLO INITIAL DEVELOPMENT OF ACACIA MEARSNII ON SUBSTRATE CONTAINING BIOCHAR DERIVED FROM CHARCOAL FINES	P. ALMEIDA EVALUATION OF GAS-PHASE PYROLYSIS FROM AGRO-INDUSTRIAL RESIDUES	N. M. SEJAS VALORIZATION OF FRASS FROM EDIBLE INSECT FOR ECONOMICAL PRODUCTION OF PROTEASES BY SOLID-STATE FERMENTATION

16H15	I. S. ECHEZARRETA MICROSTRUCTURE AND LEACHING RELATIONSHIP OF ALKALI-ACTIVATED BLAST FURNACE SLAG/SEWAGE SLUDGE ASH-BASED BINDERS	P. BRITO THE INFLUENCE OF TEMPERATURE ON THE GASIFICATION OF ACORN WASTE	B. MACHINI INFLUENCE OF THE ACCELERATED CARBONATION AS FAST-CURING TECHNOLOGY ON THE PROPERTIES OF CEMENT-EAFS COMPOSITES
16H.30	V. MUNOZ-RUIZ ECOTOXICITY ASSESSMENT OF VOLCANIC ASH BASED ALKALI-ACTIVATED BINDERS USING LUMINESCENT BACTERIA TEST	C. MARQUES PRODUCTION OF LIQUID BIOFUEL PRECURSORS THROUGH THE PYROLYSIS OF ACACIA LONGIFOLIA AND OLIVE POMACE AT A PILOT SCALE	D. KASSIM SOLID CARBON FROM METHANE PYROLYSIS AS A PARTIAL REPLACEMENT FOR ORDINARY PORTLAND CEMENT
16H45 - 17H15	POSTER SESSION II		
19H00	CONFERENCE DINNER: "QUINTA DAS LÁGRIMAS"		

PROGRAM

FRIDAY > 8 SEPT

	ROOM: AUDITÓRIO - CHAIR: HUGO SILVA	ROOM: ANFITEATRO C - CHAIR: ANA JÚLIA CAVALLEIRO	ROOM: ANFITEATRO B - CHAIR: LICÍNIO GANDO-FERREIRA
	SESSION G1: RECYCLING OF WASTES AND RESOURCES RECOVERY	SESSION G2: BIOLOGICAL TREATMENT TECHNIQUES	SESSION G3: WASTE TREATMENT AND VALORIZATION TECHNOLOGIES
9h00	L. MARCHIORI ANALYSIS OF THE CHEMICAL PROPERTIES OF ALMOND AND WALNUT SHELLS FOR USE IN EARTHWORKS	A. RIBEIRO PIG MEAT PROCESSING WASTES STABILIZATION: EFFECT ON THE MICROBIOLOGICAL PROPERTIES	N. GAIBOR GWP ASSESSMENT OF STRUCTURAL CONCRETE WITH EAFS AGGREGATES AND CERAMIC RESIDUE
9H15	M. J. SILVA PHOTOCATALYTIC DEGRADATION OF PARABENS BY P25 SUPPORT IN PET SHEETS FROM WATER BOTTLES	C. SANTOS APPROACH FOR WATER SUSTAINABILITY IN WINE PRODUCTION BY REUSING ITS EFFLUENTS FOR MICROALGAE CULTIVATION	R. MARTINS PHOTO-FENTON TREATMENT OF WASTEWATER FROM OLIVE OIL EXTRACTION INDUSTRY
9H30	H. SCHALCHLI POTATO BYPRODUCT AS SUBSTRATE FOR OBTAINING MICROBIAL PIGMENTS THROUGH SUBMERGED FERMENTATION	A. M. PINHEIRO PRELIMINARY ANALYSIS OF THE METAL SPECIATION IN ANAEROBIC GRANULAR SLUDGE BY MODIFIED TESSIER PROCEDURE	J. LINCHO EFFECT OF REUSING ELECTROLYTES ON TiO2 NANOTUBES ACTIVITY AND MORPHOLOGY
9H45	H. PASSOS URBAN MINING WITH IONIC-LIQUID-BASED ACIDIC AQUEOUS BIPHASIC SYSTEMS FOR THE RECYCLING OF VALUABLE AND CRITICAL METALS FROM ELECTRICAL AND ELECTRONIC WASTE	A. SANTOS ANAEROBIC-AEROBIC SYSTEM FOR SUSTAINABLE PIG SLURRY WASTEWATER TREATMENT	S. VENTURA PREPARATION AND USE OF SLAG FROM THE INCINERATION OF MUNICIPAL SOLID WASTE AS A PARTIAL SUBSTITUTE FOR PORTLAND CEMENT
10h00	C. LOUREIRO INDUSTRIAL SCALE PRODUCTION OF INNOVATIVE ASPHALT MIXTURES WITH STEEL SLAG AGGREGATES AND RECLAIMED ASPHALT	R. OLIVEIRA STRATEGIES FOR OILFIELD PRODUCED WATER VALORIZATION USING ALCANIVORAX BORKUMENSIS	P. L. ROCA BIOCHAR AS A SUSTAINABLE TOOL FOR THE ADSORPTION OF MICROPOLLUTANTS IN ULTRAPURE WATER AND WASTEWATER
10H15	L. PARSONS DURABILITY OF CONCRETE MADE USING HIGH-IMPACT POLYSTYRENE E-PLASTIC AS AGGREGATE	S. PARDILHÓ THERMAL ACID HYDROLYSIS OF MARINE MACROALGAE WASTE AIMING BIOETHANOL PRODUCTION	M. SANTOS MASS AND ENERGY DISTRIBUTION OF PYROLYSIS PRODUCTS OF ACACIA AND OLIVE BAGASSE IN AN AUGER REACTOR
10H30	COFFEE BREAK		
	ROOM: AUDITÓRIO - CHAIR: CÂNDIDA VILARINHO	ROOM: ANFITEATRO C - CHAIR: CÉLIA FERREIRA	ROOM: ANFITEATRO B - CHAIR: RUI MARTINS
	SESSION H1: RECYCLING OF WASTES AND RESOURCES RECOVERY	SESSION H2: PLASTIC WASTE IMPACTS, MANAGEMENT STRATEGIES AND SOLUTIONS	SESSION H3: WASTE TREATMENT AND VALORIZATION TECHNOLOGIES
11H00	J. CARVALHEIRAS REAL ACID MINE DRAINAGE WASTEWATER TREATMENT USING RED MUD BASED POROUS ALKALI ACTIVATED MATERIALS	A. M. FERREIRA ENHANCING ENZYMATIC DEPOLYMERIZATION OF HDPE PLASTIC WASTE BY THE REMOVAL OF ADDITIVES USING A BIO-BASED SOLVENT APPROACH	A. A. CORREIA EFFECT OF ADDING CUTTING LIMESTONE WASTE IN MORTARS
11H15	A. C. MORIM SOIL APPLICATION OF BIOCHAR FROM RESIDUAL FORESTRY BIOMASS AS A STRATEGY FOR WILDFIRES PREVENTION	C. PAIVA MICROPLASTICS - THE PROBLEM OF THEIR QUANTIFICATION AND IDENTIFICATION	A. V. ENSINAS EFFLUENT RECIRCULATION IN THE CULTIVATION OF MICROALGAE IN VINASSE
11H30	A. DABIRI PERFORMANCE CHALLENGE OF RECYCLED MIXTURES WITH INCREASED INCORPORATION OF RECLAIMED ASPHALT	L. HELENO RECYCLING OF PET FINES WASTE BY DENSITY SEPARATION: A WAY TO CIRCULARITY OF PLASTIC	M. I. ROQUE DEVELOPMENT OF A SILICA-BASED CRYOGEL FOR THE ADSORPTION OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)
11H45	R. SANTOS ENGINEERED CEMENTITIOUS COMPOSITES INCORPORATING INDUSTRIAL BY-PRODUCTS	H. SILVA A NEW LIFE FOR PLASTIC FOOTWEAR WASTES AS ASPHALT BINDER MODIFIERS FOR ROAD PAVEMENTS	L. SANTOS VALORISATION OF PULP AND PAPER INDUSTRY WASTES - INCORPORATION IN BITUMINOUS MIXTURES FOR ROAD CONSTRUCTION
12H00	F. PROENÇA A GREEN METHOD FOR THE PRODUCTION OF RESINS FROM THE NATURAL PRODUCT CARDANOL	A. CASTRO QUALITY ASSESSMENT OF PET BOTTLES PRODUCED THROUGH BOTTLE-TO-BOTTLE RECYCLING	G. LAMAA OPTIMISED ALKALINE SOLUTIONS OF CO2-CURED ALUMINOSILICATE INDUSTRIAL WASTES: A NEW ERA OF CONCRETE
12H15	CLOSING CEREMONY ROOM: AUDITÓRIO ANA CRISTINA CARROLA: MEMBER OF THE BOARD OF DIRECTORS OF THE MANAGEMENT BOARD OF THE PORTUGUESE ENVIRONMENT AGENCY SILVIA GARCIA: ANI ADMINISTRATOR MEMBER OF THE CENTRAL PORTUGAL REGIONAL COORDINATION AND DEVELOPMENT COMMISSION [TO BE CONFIRMED] ISABEL LANÇA: PRESIDENT OF "ORDEM DOS ENGENHEIROS" OF CENTRAL REGION MARGARIDA QUINA: CO-CHAIR OF THE ORGANIZING COMMITTEE OF WASTES 2023 CO-CHAIR OF THE ORGANIZING COMMITTEE OF WASTES 2025		

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 ŁÓDŹKIE	P. MOURA AND A. EUSEBIO	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

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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:



INDUSTRY SESSION D/E

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Digitalization in Waste Management

07/09/2023

ANFITEATRO A

PROGRAMA

10h00

PAULO FERNANDES, ITGEST

Bee2Waste – Enabling performance and efficiency of waste collection activities

10H20

PAULO BORGES, TOMRA COLLECTION PORTUGAL

Novel solutions for closed-loop recycling of consumer waste

10H40

SOFIA CARVALHO, 3DRIVERS

SIMRECICLA – Modelling Recycling Chains To Nudge Stakeholder Behaviour

11H00

COFFEE BREAK

11h30

LUÍSA MAGALHÃES, SMART WASTE PORTUGAL

MyWaste – Enabling Industrial Symbiosis in Portugal

11H50

ANDRÉ RIBEIRO, CVR

BBTWINS – Digital Twins for the optimization of agri-food value chain processes and the supply of quality biomass for bioprocessing

12H10

ANTÓNIO LORENA, 3DRIVERS

Numerical optimization of MSW management

Organizado por:



Parceiros:



INDUSTRY SESSION F

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O Resíduo como Recurso

07/09/2023

ANFITEATRO A

PROGRAMA

14h30

ASSOCIAÇÃO SMART WASTE PORTUGAL
Sessão de Abertura e Introdução ao Tema

14h45

HUGO MARQUES SOUSA, MAGELLAN CIRCLE
Tendências da Economia Circular

15h10

AVELINO DIAS, EURO SEPARADORA
RICARDO VIDAL, INTERCYCLING
LUÍS ASSUNÇÃO, PORTO AMBIENTE
JOÃO VALÉRIO, RECUTEX
JOSÉ AMARAL, VALORCAR
Mesa-Redonda - O Resíduo como Recurso: Boas Práticas

16h30

ASSOCIAÇÃO SMART WASTE PORTUGAL
Final Remarks

16h50

ASSOCIAÇÃO SMART WASTE PORTUGAL
Sessão de Encerramento

Organizado por:

Parceiros:



INDUSTRY SESSION G

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Waste-to-energy technologies

08/09/2023

ANFITEATRO A

PROGRAMA

9H10

RUI LAIA, VALORSUL

Experiência da Valorsul com a tecnologia de valorização térmica de RSU. Incineração como tecnologia de valorização térmica da fração resto

9H30

NUNO JANICAS, AMBITERMO – ENGENHARIA E EQUIPAMENTOS TÉRMICOS, S.A

AmbWTE.: Biomass & Waste to Energy System

9H50

ROBERTA PANIZIO, IPP – INSTITUTO POLITÉCNICO DE PORTALEGRE

SynDiesel - Combustíveis para motores diesel a partir de gaseificação térmica de resíduos e culturas dedicadas

10H10

NUNO PACHECO, CVR – CENTRO PARA A VALORIZAÇÃO DE RESÍDUOS

Plasma2Gas: New Energy Level - Gasification System - NEL - New Energy Level, Lda

10H30

COFFEE BREAK

11H00

PEDRO ARAÚJO, ACS - ADVANCED CYCLONE SYSTEMS

O papel de ciclones de alta eficiência na separação de partículas e captura de carbono em processos de incineração e gaseificação

11H20

PAULO BRITO, IPP – INSTITUTO POLITÉCNICO DE PORTALEGRE

PigWasteBioRefinery - Biorrefinaria suínica com base em processos biológicos, térmicos e eletroquímicos - Projeto-piloto móvel demonstrador

11H40

RUI SOARES, PARALAB

New developments on pilot scale systems for Gasification /Pyrolysis and HTL - Hydrothermal Liquefaction

Organizado por:

Parceiros:

