PROGRAM
AGENDA

7 SEPT
Thursday

09H15 — Room 1 — Plenary Session III

RECOVERY STRATEGIES FOR SPENT LITHIUM-ION BATTERIES

Elsa Bontempi - University Of Brescia (Italy)

10H00

PHOSPHORUS CONCENTRATION AND SPECIATION IN URBAN WASTEWATER FOR POTENTIAL RECOVERY
A. Santos
Room 1
Session D1: Recycling of wastes and resources recovery

IMPROVING THE EFFICIENCY OF SOLAR ADPS TECHNOLOGIES: A WIN-WIN APPROACH
E. S. Clemente
Room 7
Session D2: Management wastes streams

ENERGY RECOVERY OF BIOWASTE IN AN ASSOCIATION OF MUNICIPALITIES IN PORTUGAL
P. Rodrigues, F. David, M. E. Soares and N. Melo
Room 7
Session D3: Food waste management and bioeconomy

10H15

ENVIRONMENTAL-CHEMICAL COMPATIBILITY OF GRANITIC-MINING WASTE FOR LINER MATERIAL
L. Marchiori
Room 1
Session D1: Recycling of wastes and resources recovery

CONSTRUCTION AND DEMOLITION WASTE PARAMETERS IN NORTHERN EUROPEAN COUNTRIES
K. Kaptan
Room 7
Session D2: Management wastes streams

AGRO-INDUSTRIAL WASTES AS NUTRIENTS FOR SUSTAINABLE MICROALGAE CULTIVATION
J. Tudella
Room 7
Session D3: Food waste management and bioeconomy

10H30

PHOSPHORUS RECOVERY PROCESS FROM A BIOGAS INDUSTRY UNDER A SIMPLIFIED LCA PERSPECTIVE
R. Modolo
Room 1
Session D1: Recycling of wastes and resources recovery

ASSESSMENT OF THE MECHANICAL STRENGTH OF CONCRETE CONTAINING HIPS E-PLASTIC WASTE
L. Parsons
Room 7
Session D2: Management wastes streams

PEACH PROCESSING WASTES STABILIZATION: EFFECT ON THE PHYSICAL-CHEMICAL AND MICROBIOLOGICAL PROPERTIES
A. Ribeiro
Room 7
Session D3: Food waste management and bioeconomy

10H45

PHYSICAL AND MECHANICAL PERFORMANCE OF GREEN CONCRETE
J. Zhiyou
Room 1
Session D1: Recycling of wastes and resources recovery

SPENT COFFEE GROUNDS AS A SOURCE OF BIOACTIVE AND ANTIMICROBIAL COMPOUNDS FOR THE PRODUCTION OF HYDROGELS
L. Campos
Room 7
Session D3: Food waste management and bioeconomy

11H00 — COFFEE BREAK

11H30

LIQUID PHASE RECOVERY PROCESSES OF PLATINUM-GROUP METALS FROM SPENT AUTOMOTIVE CATALYSTS – A SHORT OVERVIEW OF THE MOST RECENT ADVANCES
A. P. Paiva
Room 1
Session E1: Recycling of wastes and resources recovery

DESIGN OF HIGH-PERFORMANCE CONCRETE INCORPORATING WASTE GLASS POWDER
A. M. Matos
Room 7
Session E2: Wastes as critical materials

FOULING EVENT IN ULTRAFILTRATION MEMBRANES: CASE STUDY OF A FULL-SCALE MBR PLANT FOR LEACHATE TREATMENT IN PORTUGAL
D. Lopes and I. Leite
Room 7
Session E3: Biological treatment techniques

11H45

ASSESSMENT OF IRON SLAG PROPERTIES FOR GRANULAR SOIL REINFORCEMENT
L. Marchiori
Room 1
Session E1: Recycling of wastes and resources recovery

VOCS POLLUTIONS IN WATER SYSTEMS: SOURCES OF CONTAMINATION, MAIN CHALLENGES OF TREATMENT TECHNOLOGY, FUNCTIONALIZED MINERAL SORBENTS AS AN ALTERNATIVE
D. Rus
Room 7
Session E2: Wastes as critical materials

BIODEGRADATION OF SULFAMETHOXAZOLE IN WATER BY LACCASE FROM THE FUNGUS LENTINUS SJAOR CAJO
H. Sá
Room 7
Session E3: Biological treatment techniques

12H00

INDUSTRIAL RESIDUES AS AMENDMENTS OF A SANDY SOIL TO IMPROVE WATER HOLDING CAPACITY AND PRODUCTION OF LOLIUM PERENNE
M. C. Diez
Room 1
Session E1: Recycling of wastes and resources recovery

THE USE OF FLY ASH TRANSFORMATION PRODUCTS AS SORBENTS TO REMOVE CONTAMINANTS FROM WATER AND WASTEWATER
T. Ilaida
Room 7
Session E2: Wastes as critical materials

STUDIES OF SILVER ADSORPTION TO BIOCHARS FOR THE PURPOSE OF METAL RECOVERY FROM ELETRONIC AND ELECTRICAL EQUIPMENT WASTE
A. O. Gomes
Room 7
Session E3: Biological treatment techniques

12H15

AN INDUSTRIAL SYMBIOSIS-BASED SOLUTION TO COPE WITH DELAYS IN WASTE AND WASTEWATER MANAGEMENT IN SOUTH EUROPE REGIONS
G. Mancini
Room 1
Session E1: Recycling of wastes and resources recovery

CATALYTIC VALORISATION OF AGRO-FORESTRY BIOMASS WASTES TO ETHYLENE GLYCOL
L. Ribeiro
Room 7
Session E2: Wastes as critical materials

EFFECT OF NANNOCHLOROPSIS SP. CELL DISRUPTION ON MICROALGAE LIPID EXTRACTION YIELDS
T. L. Silva
Room 7
Session E3: Biological treatment techniques

12H30

MUNICIPAL SOLID WASTE GENERATION AND CHARACTERISATION IN DEVELOPING COUNTRIES: THE CASE STUDY OF LUANDA-ANGOLA
C. Maria
Room 1
Session E1: Recycling of wastes and resources recovery

PRE-TREATMENT OPERATIONS ENVISAGING THE PROCESSING OF SPENT LI-ION BATTERIES BY HYDROMETALLURGY
C. Nogueira
Room 7
Session E2: Wastes as critical materials

CARBON MATERIALS INCREASE THE ANAEROBIC BIODEGRADABILITY OF A SEWAGE SLUDGE CONTAMINATED WITH PERFLUOROALKYL SUBSTANCES
L. Pereira
Room 7
Session E3: Biological treatment techniques

12H45

THE USE OF TREATED LEAD SLAG AS A SUBSTITUTE FOR NATURAL SAND IN CONCRETES
C. Wöfler
Room 1
Session E1: Recycling of wastes and resources recovery

YTTRIUM RECOVERY FROM LAMP WASTE: THE POTENTIAL OF ALGAE AS GREEN SORBENTS
J. Pinto
Room 7
Session E2: Wastes as critical materials

ACTIVATED SLUDGE REACTOR EFFICIENCY FOR LOW PH AND NUTRIENTS WINERY WASTE WATER
J. Silva
Room 7
Session E3: Biological treatment techniques

13H00 — LUNCH

14H30 — Room 1 — Plenary Session IV

CIRCULAR ECONOMY: MAIN INDUSTRY TRIGGERS AND SOLUTIONS

Hermano Rodrigues (Portugal)

16H00

COMPARATIVE STUDY OF MEMBRANE TECHNOLOGY FOR RECOVERY OF HUMIC SUBSTANCES
M. Fernández-Delgado
Room 1
Session F1: Recycling of wastes and resources recovery

PURIFICATION OF GREEN HYDROGEN FROM NATURAL GAS GRIDS USING ZEOLITE TSA
L.F.A.S. Zafanelli
Room 7
Session F2: Waste-to-energy technologies

ULTRASOUNDS EFFECT ON THE PHENOLIC COMPOUNDS EXTRACTION FROM GRAPE POMACE
R. Rodrigues
Room 7
Session F3: Waste treatment and valorization technologies

16H15

EFFECT OF CHLORINATION ON THE BEHAVIOR OF JAROSITE AND TRACE ELEMENTS
R. Ahmed
Room 1
Session F1: Recycling of wastes and resources recovery

ENVIRONMENTAL FOOTPRINT OF H2 PRODUCED FROM AGROINDUSTRIAL FEEDSTOCKS
D. Prato-Garcia
Room 7
Session F2: Waste-to-energy technologies

COAGULATION TREATMENT FOR OLIVE OIL POMACE EXTRACTION WASTEWATER
R. Martins
Room 7
Session F3: Waste treatment and valorization technologies

16H30

VALORIZATION OF WATER HYACINTH WASTE THROUGH COMPOSTING
V. Oliveira
Room 1
Session F1: Recycling of wastes and resources recovery

RELEVANCE OF SULFUR CONTENT FROM WASTE FEEDSTOCK FOR BIODIESEL PRODUCTION
F. Pereira
Room 7
Session F2: Waste-to-energy technologies

LIGHT EFFECT ON ANAEROBIC DIGESTION OF HETEROTROPHIC MICROALGAE
C. A. Santos
Room 7
Session F3: Waste treatment and valorization technologies

16H45

DURABILITY OF CONCRETE WITH ALKALI-ACTIVATED MATERIALS. A SHORT LITERATURE REVIEW
S. Ventura
Room 1
Session F1: Recycling of wastes and resources recovery

OPTIMAL SUPERSTRUCTURE MODEL OF SUGARCANE-MICROALGAE BASED BIOREFINERY
A. V. Ensines
Room 7
Session F2: Waste-to-energy technologies

ORGANOSOLV LIGNIN FOR THE DEVELOPMENT OF CARBON-BASED MATERIALS
M. Michelin
Room 7
Session F3: Waste treatment and valorization technologies

17H00

INITIAL DEVELOPMENT OF ACACIA MEARNSII ON SUBSTRATE CONTAINING BIOCHAR DERIVED FROM CHARCOAL FINES
R. Modolo
Room 1
Session F1: Recycling of wastes and resources recovery

EVALUATION OF GAS-PHASE PYROLYSIS FROM AGRO-INDUSTRIAL RESIDUES
P. Almeida
Room 7
Session F2: Waste-to-energy technologies

VALORIZATION OF FRASS FROM EDIBLE INSECT FOR ECONOMICAL PRODUCTION OF PROTEASES BY SOLID-STATE FERMENTATION
N. M. Salijas
Room 7
Session F3: Waste treatment and valorization technologies

17H15

MICROSTRUCTURE AND LEACHING RELATIONSHIP OF ALKALI-ACTIVATED BLAST FURNACE SLAG/SEWAGE SLUDGE ASH-BASED BINDERS
I. S. Carbajorena
Room 1
Session F1: Recycling of wastes and resources recovery

THE INFLUENCE OF TEMPERATURE ON THE GASIFICATION OF ACORN WASTE
P. Brito
Room 7
Session F2: Waste-to-energy technologies

INFLUENCE OF THE ACCELERATED CARBONATION AS FAST-CURING TECHNOLOGY ON THE PROPERTIES OF CEMENT-EAFS COMPOSITES
B. Machini
Room 7
Session F3: Waste treatment and valorization technologies

17H30

ECOTOXICITY ASSESSMENT OF VOLCANIC ASH BASED ALKALI-ACTIVATED BINDERS USING LUMINESCENT BACTERIA TEST
V. Munoz-Ruiz
Room 1
Session F1: Recycling of wastes and resources recovery

PRODUCTION OF LIQUID BIOFUEL PRECURSORS THROUGH THE PYROLYSIS OF ACACIA LONGIFOLIA AND OLIVE POMACE AT A PILOT SCALE
C. Marques
Room 7
Session F2: Waste-to-energy technologies

SOLID CARBON FROM METHANE PYROLYSIS AS A PARTIAL REPLACEMENT FOR ORDINARY PORTLAND CEMENT
D. Kassim
Room 7
Session F3: Waste treatment and valorization technologies

17H15 — POSTER SESSION II

19H00 — CONFERENCE DINNER