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Technical Program at a glance

	Wednesday - 9/Oct.	Thursday - 10/Oct.	Friday - 11/Oct.
8.30		Registration open	Registration open
9.00-9.20	Workshop Registration	Parallel session	Parallel session
09.20-09.40	Workshop: R&D+I Projects in Urban Water Cycle - AdA and APRH's Contribution		
09.40-10.00			
10.00-10.20			
10.20-10.40			
10.40-11.00	Break	Break/Exhibition/Posters	Break/Posters
11.00-11.20	Workshop: R&D+I Projects in Urban Water Cycle - AdA and APRH's Contribution	Invited speakers	Invited speakers
11.20-11.40			
11.40-12.00		Technological Innovation Session	Parallel session
12.00-12.20			
12.20-12.40			
12.40-13.00	Lunch	Lunch/Exhibition/Posters	Lunch/Exhibition/Posters
13.00-13.20			
13.20-13.40	Registration open	Invited speakers	Thematic Panel: The Decarbonization Challenge
13.40-14.00			
14.00-14.20			
14.20-14.40	Open ceremony	Parallel session	Closing session
14.40-15.00			
15.00-15.20	Invited speakers	Break/Exhibition/Posters	
15.20-15.40			
15.40-16.00	Break/Exhibition/Posters		
16.00-16.20	Parallel session	Break/Exhibition/Posters	
16.20-16.40			
16.40-17.00			
17.00-17.20		Parallel session	
17.20-17.40			
17.40-18.00	Visit to the city center & Welcome cocktail		
18.00-18.30			
18.00-19.00			
19.00-20.00			
20.00-21.00		Congress Dinner	
21.00-24.00			



Detailed Technical Program

Wednesday, October 09, 2019

09.00-09.20 **Workshop Registration**

09.20-12.40 **Workshop: R&D+I Projects in Urban Water Cycle – AdA and APRH’s Contribution** **Room A1.3**
The workshop will be in Portuguese language. Coffee Break at 10.40

12.40-14.00 **Lunch Break**

14.00-15.00 **Opening session**

15.00-15.40 **Keynote Talk 1** **Room A1.5**
Filipe Duarte dos Santos – Faculty of Sciences, University of Lisbon, Portugal
Presentation of the Invited Speaker made by Jaime Anibal

15.40-16.00 **Coffee Break & Posters Session**

16.00-17.00 **Session 1 - Climate Changes and Environmental Protection** **Room A1.5**
Chair: Susana Neto

- 1.1 **Rainfall Trends in Southern Portugal at Different Time Scales**
Maria Manuela Portela, Luis Angel Espinosa, Ticiana Studart and Martina Zelenakova
- 1.2 **Projections of Maximum Tidal Inundation Limits of Estuaries and Lagoons of the South Algarve, Forced by Mean Sea Level Rise: RCP8.5 Scenario**
Dissanayake Sampath, Tomasz Boski, Delminda Moura and Cristina Veiga-Pires
- 1.3 **Social and Technological Innovation for Water Conservation -The Project ECH2O-ÁGUA**
Susana Neto, Manuela Moreira da Silva, Leandro Muller and Kerima Weller

16.00-17.00 **Session 2 – Renewable Energy**

Room A1.4

Chair: Luís Oliveira

- 2.1 **Design of an Innovative Electrical Energy Storage System based on a Hybrid Topology and Digital Power Management Algorithms**
Ringo Lehmann, Lutz Zacharias, Sven Slawinski, Björn Veit , Mirko Bodach, Andreas Mangler
- 2.2 **Comparative analysis of the efficiency of a classic MPPT system with location of sensors at the output of the converter, compared to the traditional approach of measurements at the output of the generator**
Ríos J., Enrique J. M., Vivas F. J. and Andújar J. M.
- 2.3 **Improving efficiency in the electricity grid by a new decentralized control scheme**
D. A. López-García, J. P. Torreglosa and D. Vera

16.00-17.00 **Session 3 – Geotechnics, Construction, Maintenance, Rehabilitation of Buildings and Infrastructures**

Room A1.3

Chair: António Morgado André

- 3.1 **Evaluation of Sustainability in Linear Infrastructures**
M. Isabel Más-López, Eva M. García del Toro and José Ramón Sánchez Lavín
- 3.2 **Computational strategies for seismic assessment and retrofitting of existing school buildings**
João M. C. Estêvão
- 3.3 **Using non-destructive testing for the determination of mechanical properties in RC structures: a case study**
Alfredo Braga, Ana Carreira and João M. C. Estêvão

17.20-20.00 **Welcome Reception**

Thursday, October 10, 2019

9.00-10.40 **Session 4 - Water for Ecosystem and Society**

Room A1.3

Chair: Flávio Martins

- 4.1 **Greywater Storage, Treatment and Reuse in Residences**
Sophia Naara Batista Morato, Zacarias Caetano Vieira, Ellen da Silva Santos, Ingrid Larissa da Silva Santos
- 4.2 **Management Optimization of Waste Water Treatment Plants Sewage Sludge Produced in the Algarve**
Nuno Silva, António Martins and Jaime Aníbal
- 4.3 **Monitoring of Trace Elements on the Anaerobic Digestion of Saline Sewage**
Lauren N. M. Yabuki and Marcelo L. Garcia
- 4.4 **Energy Audits and Energy Efficiency in Small Wastewater Treatment Plants: A Case Study**
Bruno J. Cardoso, Adélio R. Gaspar, and Álvaro Gomes

- 4.5 **Two-phase bubble flow: experimental and numerical challenges**
Gláucio Kenji Matoba, Luis Frólén Ribeiro, Valdemar Garcia and Fábio Kenji Sugimoto

9.00-10.40 **Session 5 - Sustainable Construction**

Room A1.5

Chair: Fátima Farinha

- 5.1 **Sprayed concrete with recycled aggregates for swimming pools structures**
Alfredo Braga, Miguel José Oliveira, Elisa M. J. Silva, Rui Lança, Paulo Cabral, Francisco do Carmo
- 5.2 **Common typology, durability and pathologies of the swimming pools in the Algarve region - Implications in the sustainability**
Miguel José Oliveira, Elisa M. J. Silva, Rui Lança, Alfredo Braga, Manuela M. Silva, Armando Inverno, Paulo Cabral, Francisco do Carmo, Luís Silva, Pedro Sequeira
- 5.3 **Properties of adobe produced with soils mixing and addition of biopolymers**
Rosane Aparecida Gomes Battistelle, Anderson Augusto Fabri, Barbara Stolte Bezerra, Bruno Humberto da Silva and Obede Borges Faria
- 5.4 **Evaluation of Compression Behavior of "Fivimento" for use in Building Structures**
Jaime de Marco Mendivil, Alfredo Luizaga Patiño, Luis J. Marco García

9.00-10.40 **Session 6 - Innovative Solution in Electric, Electronic and Computer Systems**

Room A1.4

Chair: António João Silva

- 6.1 **Underwater sonar as a ray tracing problem**
Orlando Camargo Rodríguez, António João Silva, Ashley Payne Hughes and Ana Catarina Moreira
- 6.2 **Monostatic versus bistatic SONAR evaluation with a backscattering acoustic propagation model**
Ashley Payne Hughes, António João Silva, Orlando Camargo Rodríguez
- 6.3 **Mixed Realities. Application of Geospatial Augmented Reality in Urban Planning. Case Study: Finding Places**
Patrycja-Jadwiga Sankowska
- 6.4 **CGAS - Gas Test Chamber**
Gonçalo Pereira and Paulo Santos
- 6.5 **Message broadcast framework for local storage in distributed applications**
A. Miguel, R. Lam and G. Schutz

10.40-11.00 **Poster Session / Coffee Break**

11.00-11.40 **Keynote Talks 2**

Room A1.5

Mining Tailing Dams in Brazil: Recent disasters, Impacts and Academic Challenges

*Edmilson Teixeira - Federal University of Espírito Santo State, Brazil
Presentation of the Invited Speaker made by Manuela Moreira da Silva*

11.40-13.00 **Session 7 – Technological Innovation Session** **Room A1.5**
Chair: António Martins, Águas do Algarve – Grupo Água de Portugal
José Paulo Costa, STAP, Portugal
Stephen Thomas, OGI Groundwater Specialists, UK
Juan Fernandez Neira, Schindler, Portugal
Pedro Antunes, ITECONS, Portugal

13.00-14.20 **Lunch Break**

14.20-15.00 **Keynote Talk 3** **Room A1.5**
Adapting novel food additives development to sustainability principles
Isabel Ferreira – Instituto Politécnico de Bragança, Portugal
Presentation of the Invited Speaker made by Margarida Vieira

15.00-16.20 **Session 8 - Climate Changes and Environmental Protection** **Room A1.3**
Chair: Jorge Isidoro

- 8.1 **Meteorological Drought Assessment in the Eastern Slovakia**
Martina Zelenakova, Tatiana Solakova, Helena Hlavata, Pavol Purcz, Zuzana Vranayova and Maria Manuela Portela
- 8.2 **Ria Formosa Hydrodynamics and the Best Location for Shellfish Beds**
Duarte N.R. Duarte, Della Permata, Manuela Moreira da Silva, Tiago M.P. Dores, Margarida C.N. Alves, Francisco A.B. Fernandes, Miguel P. dos Santos and Luís Chicharo
- 8.3 **Groundwater Recharge Systems to Mitigate the Impact from Construction Dewatering**
Stephen Thomas, Thomas Goodfellow and James Watson
- 8.4 **Accuracy/Speed Analysis of Pipe Friction Factor Correlations**
Luiz Eduardo Muzzo, Diana Pinho, Luiz Eduardo Melo Lima, and Luís Frölen Ribeiro

15.00-16.20 **Session 9 – Sustainable Construction** **Room A1.5**
Chair: Rui Costa

- 9.1 **Sustainable Construction in Brazil: A Proposal for Housing of Social Interest (HIS) in the New Canaan Settlement in Bauru (SP)**
Anderson Augusto Fabri, André Vinícius Ricci, Bruno Humberto da Silva, Edmilson Queiroz Dias, Karina Andrade Mattos, Kelly Cristina Magalhães and Natasha Neme Gonçalves de Almeida
- 9.2 **Flax Textile Reinforced Mortars: experimental characterization and structural behavior**
Giuseppe Ferrara, Carmelo Caggegi, Aron Gabor and Enzo Martinelli
- 9.3 **Sustainable development of an Ultra-High Performance Fiber Reinforced Concrete (UHPRFC): Towards partial replacement of cement by slags**
Maria Dolores Rubio Cintas, Miguel José Oliveira, Elisa Silva, Maria Eugenia Parron, Francisca Pérez Garcia and Manuel Alejandro Fernandez Ruiz

- 15.00-16.20 **Session 10 - Healthy Food: Consumption, Safety and Innovation** **Room A1.4**
Chair: Célia Quintas
- 10.1 **Evaluation and Perception of Quality by School Meals Consumer**
Christine Iglesias, Cátia Morgado, Manuela Guerra, António Fernandes and Carlos Brandão
 - 10.2 **Impact of ohmic and microwave heating processes in obtaining carrot purees**
Oana-Viorela Nistor, Cristina-Diana Zaharia, Doina Georgeta Andronoiu, Gabriel Danut Mocanu, Viorica Vasilica Barbu, Elena Ionita and Elisabeta Botez
 - 10.3 **Profile and Motivations of consumers of organic products**
Joana Costa, Cátia Morgado, António Fernandes, Manuela Guerra and Carlos Brandão
 - 10.4 **Effect of Rocha pear peel extracts added to wheat and rye bread formulations on Acrylamide reduction and sensory quality maintenance**
Cátia Morgado, Patrícia Bernardo, Inês Henriques, Susana Jesus, Andreia Rego, Inês Delgado, Inês Coelho, Isabel Castanheira, Nélon Félix, António Fernandes, Manuela Guerra and Carlos Brandão

- 15.00-16.20 **Session 11 - Innovative Solution in Electric, Electronic and Computer Systems** **Room A0.6**
Chair: Roberto Lam
- 11.1 **Describing People: An Integrated Framework for Human Attributes Classification**
Daniel Turner, João M. F. Rodrigues and Manuela Rosa
 - 11.2 **PVTA-Aware Performance SRAM Sensor for IoT Applications**
J. Semião, H. Santos, R. Cabral, M. B. Santos and P. Teixeira
 - 11.3 **MILAGE LEARN+: a tool to promote autonomous learning of students in higher education**
Mauro Figueiredo, Cátia Martins, Conceição Ribeiro and José Rodrigues
 - 11.4 **Customer Experience journey in social networks – Analysis of cohorts' behavior**
Célia M.Q Ramos and Nelson Matos

16.20-16.40 **Poster Session / Coffee Break**

- 16.40-18.00 **Session 12 - Climate Changes and Environmental Protection** **Room A0.6**
Chair: Celestina Pedras
- 12.1 **Spatial and Meteorological Behaviour of Daily Ozone Air Pollution in the Bay of Algeciras**
Inmaculada Rodríguez, Steffanie Van Roode, José A. Moscoso, Juan J. Ruiz-Aguilar, Francisco Javier Gonzalez-Enrique, and Ignacio J. Turias
 - 12.2 **Use of multicriteria analysis to define the most appropriate location for a landfill: a comparison between local and regional planning**
Elder Gustavo de Paula Costa and Paulo Guilherme Molin
 - 12.3 **High precision geomatic tools for improving harvest of olive grove in advance**
M^a Isabel Ramos, Juan M. Jurado, José L. Cárdenas, Carlos Enríquez, Lidia Ortega, M^a Lourdes Martínez, Francisco R. Feito and Juan J. Cubillas

- 12.4 **3D Farm Management Information System for Precision Agriculture**
José Luis Cárdenas, Juan Manuel Jurado, Lidia Ortega, María Isabel Ramos, Carlos Enríquez and Francisco Ramón Feito

16.40-18.00 **Session 13 – Sustainable Construction**

Room A1.5

Chair: Gonçalo Prates

- 13.1 **Nearly zero water buildings**
Carla Pimentel-Rodrigues and Armando Silva Afonso
- 13.2 **Buildings materials, sustainability and circular economy. Research projects in the island of Sardinia**
Giovanna Concu and Luisa Pani
- 13.3 **TreeHAUS: Forest-inspired Multifamily Housing for a Truly Regenerative Future**
Zachary Gould, Georg Reichard and Susan Day
- 13.4 **Dry-stone walls as touristic attractive. Comparative between northeast and southwest of Iberian Peninsula**
Cèlia Mallafrè Balsells, Agustí Costa Jover, Segio Coll Pla, Alberto Muñoz Santos, Marta Marçal Gonçalves, Stefan Rosendahl and Gonçalo Prates

16.40-18.00 **Session 14 - Healthy Food: Consumption, Safety and Innovation**

Room A1.4

Chair: Eduardo Esteves

- 14.1 **Novel hybrid drying methods, preceded by different pretreatments, used to obtain pumpkin (*Cucurbita maxima*) powder**
Liliana Ceclu, Oana-Viorela Nistor, Doina Georgeta Andronoiu, Gabriel Danut Mocanu, Viorica Vasilica Barbu, Ludmila Rudi, Elisabeta Botez
- 14.2 **HACCP methodology implementation in a goat cheese production process of a small company**
Vera Drago and Isabel Ratão
- 14.3 **Perception of the determinants of Quality and Food Safety by catering clients in a restaurant in the Torres Novas region**
Andreia Nunes, Cátia Morgado, António Fernandes, Maria Guerra and Carlos Brandão

16.40-18.00 **Session 15 - Geotechnics, Construction, Maintenance, Rehabilitation of Buildings and Infrastructures**

Room A1.3

Chair: João Estêvão

- 15.1 **Hazard Assessment of Landslides Disasters in the City of Cubatão, State of São Paulo, Brazil**
Paulo Rodolpho Pereira Hader, Ilza Machado Kaiser, Gustavo Garcia Manzato, and Anna Sílvia Palcheco Peixoto
- 15.2 **Designing Steep Stable and Sustainable Retaining Embankments in Weak Saturated Ground using the Stable-Earth™ Technique**
Stephen Thomas, George French and Megan Thomas
- 15.3 **Assessment of the seismic safety of an ancient building in Algarve**
Alina Dragus, Roberto Laranja and Alfredo Braga

20.00-23.00 **Congress Dinner**

09.00-10.40 **Session 16 - Renewable Energy**

Room A1.3

Chair: Sara Raposo

- 16.1 **Chemical and Physical Pretreatments of Microalgal Biomass**
Brígida Rodrigues, Rodrigo Borges, Maria Castro, Ana Constantino and Sara Raposo
- 16.2 **Landscapes of Marine Energy: An overview**
Daniel Cueto-Mondejar, Francisco Javier Castellano Pulido and Tomás García Píriz
- 16.3 **Improvement on Fuel Characteristics of Biomass and Refused Derived Fuel with Torrefaction**
Ander Azpilicueta, Pramod Paudel and Nelson Sousa
- 16.4 **Chemo-Enzymatic Saccharification Strategy of Microalgae *Chlorella sorokiniana***
Ana Constantino, Brígida Rodrigues and Sara Raposo
- 16.5 **Agro-food waste's proper engineering for bio-energy using experimental and simulation techniques**
Ilijan Malollari, Hasime Manaj, Eldorida Molla

09.00-10.40 **Session 17 – Sustainable Construction**

Room A1.5

Chair: Marta Gonçalves

- 17.1 **Bibliometric study of the use of recycled aggregates in the manufacturing of precast concrete**
Zoraida Sánchez-Roldán, Gloria María Cuenca-Moyano, María Martín-Morales, and Montserrat Zamorano
- 17.2 **Mitigation of vibrations using composite materials produced from rice husk and recycled rubber**
Beatriz Marques, António Tadeu, João Almeida, Sara Dias and Filipe Pedro
- 17.3 **Durability of Rubber Concrete: Resistance to Heating and Cooling Cycles**
Sakami Siham, Fatima-Ezzahra Elabbassi and Lahcen Boukhattem
- 17.4 **Steel waste valorisation - Steel Slag Waste Effect on Concrete Shrinkage**
Maria Eugenia Parron, Maria Dolores Rubio Cintas, Miguel José Oliveira, Elisa M. J. Silva, Francisca Pérez García, Jose Manuel Garcia-Manrique

09.00-10.40 **Session 18 - Geotechnics, Construction, Maintenance, Rehabilitation of Buildings and Infrastructures**

Room A1.4

Chair: Miguel Oliveira

- 18.1 **New strengthening technique of RC pillars using prestressed wrapping**
Eva Maria García del Toro, Vicente Alcaraz Carrillo de Albornoz, Alfredo Martín and Luizaga Patiño and María Isabel Mas Lopez
- 18.2 **Foupana Concrete Bridge Repair Case Study - Stakeholders Integrated Analysis**
Roberto Laranja, Miguel José Oliveira, Elisa M. J. Silva and Fernando Barata
- 18.3 **Seismic response of soil-steel bridge with the EPS geofoms**
Tomasz Maleska, Joanna Nowacka and Damian Beben

18.4 **Characterization of Drainage Concrete in Roads Pavements Construction**

José Ximenes, José B. Aguiar and Jorge C. Pais

18.5 **Feasibility of using steel bracings for seismic retrofitting of RC school buildings**

Vitor Barreto and João M. C. Estêvão

09.00-10.40 **Session 19** – This session was closed.

10.40-11.00 **Poster Session / Coffee Break**

11.00-11.40 **Keynote Talk 4**

Room A1.5

Leveraging Building Technology Towards Affordability in the US Housing Market

Andrew McCoy - Virginia Polytechnic Institute & State University, USA

Presentation of the Invited Speaker made by Miguel Oliveira

11.40-13.00 **Session 20 - Green Governance**

Room A1.3

Chair: Maria de Belém Costa

20.1 **Mechanisms for Green Information Technologies Governance**

Diego Cordero, Andrea Mory and Enrique Pozo

20.2 **Analysis of Bootstrapped Operating Efficiency in Container Ports. A case study in Spain and Portugal**

Antonio Gil Roper, Ignacio J. Turias and Maria del Mar Cerbán

20.3 **Economic, Political and Technological Aspects of Development and Eco-efficiency: a Global Quantitative Analysis**

Caroline Barduchi, Fernanda Pereira Sartori Falguera, Simone Cristina de Oliveira Gobbo and Enzo Barberio Mariano

20.4 **Housing Policy Innovation to Integrate Environmental Sustainability with Economic Development**

Armin Jeddi Yeganeh and Andrew McCoy

11.40-13.00 **Session 21 - Energy Efficiency in Buildings**

Room A1.5

Chair: Nelson Sousa

21.1 **Building Information Modelling capability in an energetic simulation perspective**

Alcinia Zita Sampaio, Luís Araújo and Eduardo Coelho

21.2 **Analysis of the regulations that affect energy efficiency with respect to consumption of HVAC system for residential buildings in southern Spain and Portugal**

David Marín-García, David Bienvenido-Huertas, Enrique Nieto-Julián, Juan José Moyano-Campos, Miguel José Oliveira and Fátima Farinha

21.3 **Development of Modern Chimney Systems Designed for Solid Fuel Devices**

Krzysztof Drozdol

21.4 **Integration of Ground Source Energy Systems for Low Carbon Heating of Buildings**

Stephen Thomas, Jenna Robertson and Graham Richardson

11.40-13.00 **Session 22 - Geotechnics, Construction, Maintenance, Rehabilitation of Buildings and Infrastructures** **Room A0.6**

Chair: Elisa Silva

22.1 **Towards a fuzzy seismic vulnerability index to assist the Algerian architects during the early designing stages**

Mohamed Benabdelfattah and Youcef Kehila

22.2 **The new footbridge over Faro marina: a case of study**

António André and Alexander Silva

11.40-13.00 **Session 23 - Green Governance and Mobility** **Room A1.4**

Chair: António João Silva

23.1 **Neighborhood Sustainability Assessment: the case of Casal Bertone neighborhood in Rome**

Luigi Mundula

23.2 **OD mobility estimation using artificial neural networks**

Luis E. Acosta Sánchez, Javier González-Enrique, J.J. Ruiz-Aguilar, J.A. Moscoso-López and I.J. Turias

23.3 **Education in sustainability and promotion of scientific-technical vocations in pre-university students through the construction of a solar vehicle**

Yolanda Ceada-Garrido, Juan Manuel Enrique, Antonio Javier Barragán, Ramón Tirado, and José Manuel Andújar

23.4 **Smartness, Sustainability and Resilience: Are They Related?**

Luigi Mundula and Sabrina Auci

13.00-14.20 **Lunch Break**

14.20-15.20 **Thematic Panel: the Decarbonization Challenge** **Room A1.5**

Chair: João Rodrigues

Sustainable Energy Community - Culatra 2030

Cláudia Sequeira, Universidade do Algarve, Portugal

Smart and Sustainable Living: CEiiA's roadmap to accelerate urban sustainability'

Frederico Custódio, CEIIA, Portugal

15.20-16.00 **Closing session** **Room A1.5**

List of Posters

Poster1

Nitrate Reductase Activity in Green Macroalgae as an Environmental Indicator of Temperature and Salinity Changes and its Implication for Climate Change Projections

Hélder T. Madeira, Jaime Aníbal, Liliana F. Carvalho, Eduardo Esteves and Cristina Veiga-Pires

- Carbon Balance and Ecosystem Services - Golf Courses Environmental Performance in Algarve, Portugal**
 Poster2 *Manuela Moreira da Silva, Duarte Marinho, Gil Fraqueza, Flávia Carpenter, Bárbara Freitas, Carlos O. da Silva and Paulo Dias*
Comparison between estimated rainfall estimated by the Tropical Rainfall Measuring Mission (TRMM) satellite and data observed in the lagoa Mirim / RS basin, Brazil
- Poster3 *Géri Eduardo Meneghello, Letícia Burkert Méllo, Ritâ De Cassia Fraga Damé, Francisco Amaral Villela, Maria Clotilde Carré Chagas Neta, Suelen Cristiane Riemer da Silveira, Cláudia Fernanda Almeida Teixeira-Granda and Roberta Machado Karsburg*
Multivariate analysis to summarize qualitative-quantitative variables of the water resources in a sub-basin of the Rio Piratini / RS, Brazil
- Poster4 *Rita De Cassia Fraga Damé, Rosiane Schwantz Do Couto, Claudia Fernanda Almeida Teixeira-Granda, Géri Eduardo Meneghello, Maria Clotilde Carré Chagas Neta, Letícia Burkert Méllo, Roberta Machado Karsburg and Suelen Cristiane Riemer da Silveira*
Evaluation of droughts in the state of Rio Grande do Sul, Brazil, using the standardized precipitation index (SPI) and the Moreno index (MI)
- Poster5 *Claudia Fernanda Almeida Teixeira-Gandra, Gisele Machado da Silva, Rita De Cassia Fraga Damé, Maria Clotilde Carré Chagas Neta, Francisco Amaral Villela, Letícia Burkert Méllo, Emanuele Baifus Manke and Rosiane Schwantz Do Couto*
The effect of chloride salts on the antioxidant activity of cracked Maçanilha Algarvia table olives
- Poster6 *Célia Quintas and Paula Pires-Cabral*
Effects of time-temperature abuses on quality parameters of frozen blue jack mackerel (*Trachurus picturatus*) fillets treated with green tea extract
- Poster7 *Eduardo Esteves*
Transformation of anthocyanins during preparation of rose wine by following a pre-fermentative cold maceration process
- Poster8 *Ludovina Galego and José P. Da Silva*
Baker's yeast production from potato peel waste
- Poster 9 *Aicha Nancib, Nabil Nancib, Naouel Bourmani, Karima Choubane, Naàssa Diboune and Joseph Boudrant*
Lactic acid fermentation of fennels and carrots
- Poster 10 *Aicha Nancib, Nabil Nancib, Hanane Gharbi and Joseph Boudrant*
Saline Intrusions at Almargem Waste Water Treatment Plant in Different Tidal Cycles
- Poster11 *Sérgio Pólvora, Jaime Anibal and António Martins*
The validation of new vibration measurement to estimate sound propagation in buildings: study cases
- Poster12 *Nuno Gervásio, Ana Carreira and Vítor Rosão*
Diagnosis and Analysis of the Economic and Socio-environmental Viability of Technologies and Alternatives for Sustainable Housing Construction
- Poster13 *Clauciana Schmidt Bueno de Moraes, Caroline Antonelli Santesso, Rodrigo Prieto Rocha and Stephani Cristine de Souza Lima*

- Poster14 **Implementation and Monitoring of a Waste Management Plan at the university based on Brazilian Law 12,305/10 - National Solid Waste Policy (NSWP)**
Larissa Marchetti Dolphine, Adriana Yumi Maeda and Clauciana Schmidt Bueno de Moraes
- Poster15 **Environmental Protection and Climate Change - The Perfect Alliance**
Maria Gabriela Meirelles, Universidade dos Açores
- Poster16 **Possibilities to Use Laser Scanning 3D to Measurements of Complex Technical Infrastructure**
Wojciech Anigacz, Jacek Kwiatkowski
- Poster17 **Observatory of Sustainability of the Algarve Region for Tourism - OBSERVE project, an overview**
Fátima Farinha, Miguel José Oliveira, Elisa M. J. Silva, Rui Lança
- Poster18 **Sustainable Construction Materials**
Johan Smit, Delfina Arraes
- Poster19 **Intervention Project Methodology in Buildings in Service**
Jorge Renda
- Poster20 **Toward a simple cold box adapted to warm climates: a case study in Mediterranean climate**
David Bienvenido-Huertas, Juan Moyano, Juan Luis Pérez-Ordóñez and David Marín
- Poster21 **Moisture sorption isotherm and storage stability of dried Salicornia (Salicornia ramosissima)**
Kirakos Filippidis, Ana Rita Rosa, Alexandre Ribeiro, Margarida C. Vieira and Rui M. S. Cruz
- Poster22 **SPOOLS – sustainable pools project, an overview**
Miguel José Oliveira, Elisa M. J. Silva, Rui Lança, Alfredo Braga, Manuela M. Silva, Armando Inverno, Paulo Cabral, Francisco do Carmo, Luís Silva, Pedro Sequeira
- Poster23 **Life-Cycle Assessment of New Cladding Panels Composed of Rice By-Products**
Maria Inês Santos, Beatriz Marques, João Almeida and António Tadeu
- Poster24 **Innovation in Residential Construction - The role of federal agencies in supporting affordability, sustainability, and resiliency**
Frederick Paige and Andrew P. McCoy
- Poster25 **Methodology for hazard assessment of hydrological disasters combining rainfall thresholds and social-environmental criteria using open data**
Leonardo Magalhães, Ilza Kaiser, Gustavo Manzato and Anna Peixoto
- Poster 26 **Mobility Patterns of the Elderly Tourist in Algarve**
Celeste Gameiro, Manuela Rosa, Carlos Sousa and Ilídio Mestre
- Poster 27 **Nanoenabled products applied on construction sector. New risks for workers**
Beatriz Díaz-Soler, M. López-Alonso and MD. Martínez-Aires