

U.PORTO



16.ª EDIÇÃO

**ENCONTRO DE
INVESTIGAÇÃO
JOVEM
UNIVERSIDADE
DO PORTO**

**10.11.12
MAIO 2023**

REITORIA DA
UNIVERSIDADE
DO PORTO

**PROGRAMA CIENTÍFICO
SCIENTIFIC PROGRAM**



Comissão Científica

Scientific Committee



Pedro Rodrigues
Vice-Reitor



Ana Rita Gaio
FCUP



Aurora Teixeira
FEP



Elisabete Ferreira
FPCEUP



Elisa Keating
FMUP



Filipe Castro
FCUP



Gonçalo Furtado
FAUP



Graciela Machado
FBAUP



Hugo Barreira
FLUP



Inês Guedes
FDUP



Isabel Pinto
FPCEUP



Jorge Teixeira
FCUP, GreenUPorto



Laura Oliveira
ICBAS



Liliana Grenho
FMDUP



Manuel Simões
FEUP



Maria Oliveira
i3S



Maria Paula Santos
FADEUP



Patrícia Antunes
FCNAUP



Patrícia Valentão
FFUP



Ricardo Fernandes
FADEUP



Rute Pedro
FDUP



Sérgio Sousa
REQUIMTE

Boas-Vindas

Caros participantes do IJUP 2023,

Gostaria de dar-vos as boas-vindas a 16ª edição do Encontro de Investigação Jovem da U.Porto (IJUP), convicto de que os trabalhos que aqui apresentarão constituem uma forma de, nas mais diversas áreas do conhecimento científico, tomarem nas vossas mãos a responsabilidade de definir o futuro.

Num ano em que esta iniciativa pioneira da Universidade do Porto retoma o seu formato totalmente presencial, após as limitações impostas pela pandemia da Covid-19, o IJUP volta a assumir-se como um momento de afirmação da decisiva aposta da U.Porto numa formação académica capaz de promover, acolher, valorizar e estimular a estreita ligação dos estudos universitários com a investigação científica. Num ambiente em tudo semelhante ao de um congresso científico, os estudantes da Universidade do Porto são agora encorajados a apresentar os resultados da investigação realizada, assim adquirindo competências que serão decisivas para o seu futuro enquanto investigadores.

Às gerações mais jovens é geralmente atribuída uma particular aptidão para a ousadia e criatividade. Dos jovens que fazem investigação na Universidade do Porto – devidamente enquadrados por uma cultura científica de excelência, por rigorosos critérios éticos e deontológicos, e pelos cientistas que orientam e supervisionam o seu trabalho – esperamos que sejam capazes de ver mais longe e de projetar um futuro melhor.

Pedro Rodrigues

Vice-Reitor para a Investigação e Inovação

Quarta-feira, 10 de maio | May, 10th, Wednesday

08:00 - 18:30 Secretariado a todos os participantes/ *Secretariat for all participants*

09:00 - 10:30 **PARALLEL ORAL SESSIONS I**

Room A1 – Economics and Management

20403 | Industry 4.0 Open Innovation Ecosystems: transformations induced by digitalization
Albuquerque, Francisca

21230 | Portugal and Germany: Economic relationship during World War II (1939-1945)
Monteiro, Patrícia

Room A2 – Environment I

20519 | Recognizing the significance of indoor air quality: case study of Portuguese homes
Silva, Adhymaura; Pereira, Maria do Carmo; Slezakova, Klara

20670 | Development of novel Eucalyptol - Sawdust composite for the slow-release of odours from plywood
Cardoso, Miguel; Logvina, Yuliya; Fernandes, Sónia; Silva, Luís P.; Silva, Joaquim E.

20541 | Contamination assessment at the abandoned mining complex of Ribeiro da Serra (Portugal)
Resta, Giulia; Carvalho, M.; Carvalho, A.; Santos, P.; Lima, A.; Frutuoso, R.; Flores, D.

20486 | The unknown biota of the artificial ponds of Gens
Pereira, Ricardo; Diogo, Bárbara S.; Rodrigues, Iva; Antunes, Sara C.

20837 | Detecting toxic dinoflagellates (*Dinophysis spp.*) using electrochemical genosensors
Pereira, Eduarda; Silva, Aurora; Morais, Stephanie; Moreira, Patrícia R.; Fraga-Corral, M.; Torrado, Ana M.; Rodríguez, Francisco; Barros, Piedade; Cruz, Agostinho; Delerue-Matos, Cristina; Prieto, M. A.; Simal-Gandara, J.; Silva, Nádia F. D.; Santos, Marlene; Barroso, M. Fátima

21193 | Characterization of saltmarsh diatoms in the Lima River Estuary: Community composition and Raman Spectroscopy applied for environmental diagnosis
Sousa, Marco; Oliva-Teles, Luís

Room A3 – AgroFood I

21080 | Novel ingredients authentication: a step towards sustainable aquaculture
Rebelo, Mariana; Castro, Raquel; Valente, Luísa M.P.; Filipa-Silva, Andreia; Gomes, Sónia

20748 | Polysaccharides from orange peels: from waste to possible astringency modulators
Vieira, Joana; Guerreiro, Carlos; Jesus, Mónica; Mateus Nuno; De Freitas, Victor; Soares, Susana; Brandão, Elsa

20543 | Edible flowers rich in anthocyanins: Stability and bioaccessibility of an emerging, healthier and sustainable diet
Teixeira, Margarida; Mateus, Nuno; Oliveira, Hélder

21116 | Characterization of honey from Natural Park of Montesinho and its comparison with honey produced in unprotected areas
Soares, Diana; Batoca, Beatriz; Soares, Sónia; Oliveira, Marta; Ramalhosa, Maria J.; Delerue-Matos, Cristina

Room A4 – Architecture I

20428 | Living on Douro's riverside. A collective housing project for Trem do Ouro
Fernandes, Rita R.

20713 | Rehabilitating "anonymous" buildings, architecture in consolidating urban centre's identity
Rodrigues, Hugo; Santos, André

20890 | (Re)Interpreting Fonte da Moura: approaches between Density and Tabula Plena
Oliveira, Ana Catarina

20818 | A Reflection for the future: Essay for the Pólo III of UP

Roberto, Ivo

20959 | Cape Verde, “10 graozinho di terra”: memory, identity and strategies of the house in Ribeira Brava

Barbosa, Elayne S.

21105 | Imagine your perfect park: how would it be? A qualitative study on the preferences, barriers and facilitators of green spaces' use by adolescents in a southern European urban context

Sampaio Costa, Mariana; Queiroz Almeida, Diogo; Silva, José Pedro; Barros, Henrique; Ribeiro, Ana Isabel; Leão, Teresa

20833 | Cost-effective housing: forms of collective living

Coelho, Serafim J. S.

Room A5 – Health Sciences I

20465 | A systematic review of diet and special educational needs in paediatrics

Nova, Lúcia; Poínhos, Rui; Teixeira, Beatriz

20484 | Evaluation of the impact of beliefs about medicines on medication adherence

Silva, Pedro M.; Domingues, Ana S.; Carmo, Helena; Fernandez-Limos, F.; Saraiva, Lucília; Barbot, Eduardo; Azevedo, Telmo

20559 | Development and use of a meditation app (Med@Med) by medical students: motivations, adherence and emotional effects

Soares, Ana Rita; Soares, Sandra; Pozza, Daniel Humberto; Brandão, Tânia; Teixeira, Ricardo João; Tavares, Isaura

20912 | Efficacy of topical vitamin C in melasma and photoaging: A systematic review

Correia, G; Magina, S

20920 | T(AHR)getting the AHR: mapping the road of a xenobiotic sensor, from disease to a therapeutic target

Castro-Almeida, Inês; Janowska, Aleksandra; Saitch, Rory; Yilong, Lian; Delgado, Alberto; Protze, Jonas; Moura-Alves, Pedro

20865 | Inhibition of mitochondrial deubiquitinases as a potential therapeutic strategy in *in vitro* and *in vivo* models of mitochondrial dysfunction

Pinho, Brígida R.; Sousa, Bruno; Cerqueira, Diogo; Oliveira, Jorge M.A.

7

10:30 - 11:30 **POSTER SESSIONS**

Nr. Architecture

- 1 20536 | Relationship between equipment and city (centralizing/structuring and transforming)**
Martins, Ricardo C.; Lopes, Gonçalo M. F. C.
- 3 20746 | From architecture to the industrialisation of construction. A critical practice for the inclusive promotion of 21st century Housing**
Santana Loureiro, Ana; Pimenta do Vale, Clara
- 4 20843 | Within an architectural promenade**
Marques, Rita G.
- 5 20892 | Fragments: Perception of space through photography**
Ferreira, Nuno F.

Agrofood

- 6 20566 | A safe and targeted approach to developing specific bio-pesticides: identification of essential genes in the invasive pest red palm weevil (*Rhynchophorus ferrugineus*)**
Oliveira, João; Silva, Diogo; Matos, Inês; Sousa, José Américo; Rangel, Luís Filipe; Santos, Maria João; Ayra-Pardo, Camilo

- 7 **20835 | Reduction of tannin content in acorns: evaluation of different extraction methods**
Monteiro, Vanessa; Soares, Cristina; Grosso, Clara; Delerue-Matos, Cristina; Ramalhosa, Maria João
- 8 **20893 | Characterization of wine residues and potential application in food industry**
Ferreira, Eduarda; Delerue-Matos, Cristina; Moreira, Manuela M.
- 9 **20941 | Development of a bioactive food packaging based on starch, fibers from chestnut shells and chayote peel extract**
Rego, Filipa P.; Ramires, Pamela; Vieira, Elsa M. F.
- 10 **20993 | Sustainable extraction of antioxidant compounds from shrimp shell waste**
Gonçalves, Flávia; Moreira, Manuela M.; Marques, Inês S.; Peixoto, Andreia F.; Delerue-Matos, Cristina
- 11 **21001 | Nutritional characterization of coffee pulp, a by-product of coffee industry**
Machado, Marlene; Maia, Sara; Espírito-Santo, Liliana; Oliveira, M. Beatriz; Ferreira, Helena; Alves, Rita C.
- 12 **21032 | Design and characterization of a "Pera rocha do Oeste" and strawberry structured product**
Santos, Ana; Correia, Ana; Ramalhosa, Maria João; Vieira, Elsa F.
- 14 **21146 | The use of domestic dispensing systems towards extra-virgin olive oil preservation**
Novais, Beatriz; Soares, Marta; Babo, Bárbara; Martins, Raquel; Mendes, Eulália; Cruz, Rebeca; Casal, Susana
- 15 **21148 | Adapting senior meals to overcome physiological impairment in the elderly: an analytical perspective**
Martins, Raquel; França, Laura; Seixas, Rúben; Mendes, Eulália; Casal, Susana; Cruz, Rebeca

Environmental Sciences

- 16 **20395 | Life cycle assessment of a product from the textile industry**
Maia, S. M.; Mata, T. M.; Soares, C; Martins, A.A.
- 18 **20459 | Physical and chemical characterization of the calcium difluoride sludge heap from a phosphate processing plant (NORM site)**
Reis, Vasco; Dinis, Maria de Lurdes; Vila, Maria Cristina; Fernandes, António
- 19 **20472 | Ecotoxicological evaluation of bioinsecticide spinosad in a non-target species *Danio rerio***
Amaral, I.; Rebelo, D.; Antunes, SC.; Rodrigues, S.
- 20 **20482 | Study of the effectiveness of two amendments in mitigating the availability of Cu in viticulture soil**
Vital, Daniela; Neto, Beatriz; Paiva, Cristiana; Cachada, Anabela; Pereira, Ruth
- 21 **20483 | Impact of deadwood structures on the biodiversity of forest areas**
Ferreira, Rita W.; Schnell, Carolin; Cruz, Armando; Miranda, Raquel; Meca, Cláudia; Soutinho, João Gonçalo; Antunes, Sara C.
- 22 **20488 | SHS - soil health surrounding former mining areas: characterization, risk analysis, and intervention II**
Ferreira, Ana; Dinis, Maria de Lurdes; Vila, Maria Cristina; Fernandes, António; Araújo, Ana Rita
- 23 **20509 | Marine micro-debris ingestion and biological effects in wild fish (*Trisopterus luscus*) from the North East Atlantic Ocean**
Lourenço, Sara Couto; Barboza, L. Gabriel A.; Guilhermino, Lúcia
- 24 **20520 | Valorisation of incinerator bottom ash and construction and demolition waste in geotechnical applications with geosynthetics**
Rodrigues, Daniela; Sousa, Afonso; Silva, Diogo; Carneiro, José Ricardo; Almeida, Paulo Joaquim

- 25 **20523 | Tannin extraction optimization: adding value to eucalyptus bark**
Pires, Soraia; Tomasi, Isabella; Santos, Sílvia; Boaventura, Rui; Botelho, Cidália
- 27 **20588 | Major climate changes during key glacial terminations in the North Atlantic Region**
Monteiro, Helena; Rodrigues, Teresa; Oliveira, Dulce; Goñi, Maria F. S.; Gomes, Sandra; Rebotim, Andreia; Desprat, Stephanie; Daniau, Anne-Laure; Molino, César M.; Abrantes, Fátima; Toucanne, Samuel; Naughton, Filipa
- 28 **20656 | Phytotechnology implementation in marine and freshwater environments: case study of floating wetlands**
Octaviano, Ana L.; Nawaz, Neeha ; Pereira, Sofia; Ilarri, Martina; Magalhães, João; Calheiros, Cristina
- 29 **20660 | A Microview inside Leça's River**
Braz, Lara; Coelho, Tiago; Nogueira, Sandra; Formigo, Nuno; Antunes, Sara C.
- 30 **20714 | Integrated system for wastewater treatment: microalgae and constructed wetland**
Silveira, Elizandro O.; Castro, Paula; Rodrigues, Lúcia R.; Machado, Ênio L.; Ilarri, Martina; Calheiros, Cristina S.C.
- 31 **20742 | Assessment of post-wildfire recovery of vegetation in soils inoculated with native microalgae and cyanobacteria**
Gonçalves, João; Marcos, Bruno; Honrado, João; Almeida, Juliana; Brito, Ângela; Roque, Jéssica; Pissarra, João; Tamagnini, Paula; Melo, Paula; Pereira, Ruth
- 32 **20770 | Characterisation and inventory of the small water bodies in urban green areas of Vila Nova de Gaia Municipality**
Francisco, Pereira G.; Naia, Marisa; Teixeira, José
- 33 **20785 | Contamination of wild European hakes (*Merluccius merluccius*) from the North East Atlantic Ocean with marine micro-debris and biological responses**
Aleluia, Alexandre; Barboza, L. Gabriel A; Guilhermino, Lúcia
- 34 **20813 | Assembly of a bacterial consortium for the biodegradation of PFAS and related subproducts**
Neves, David M. B.; Sofia, Ana; Mucha, Ana Paula; Almeida, C. Marisa R.; Alexandrino, Diogo A. M.; Carvalho, Maria F.
- 35 **20854 | A review study on microplastic and plastic-related chemicals in food and health impacts.**
Carvalho, Juliana G. R.; Delerue-Matos, Cristina; Fernandes, Virgínia C.
- 36 **20859 | Microplastics in the atmosphere of Porto**
Moreira, Diogo; Oliveira, Matilde; Logvina, Yuliya; Esteves, Joaquim; Ribeiro, Helena; Pinto da Silva, Luís
- 37 **20862 | Development of a bioremediation system for the removal of PFAS from aquatic environments**
Pinto, Ana Sofia; Neves, David M. B.; Maia, Tiago; Mucha, Ana Paula; Almeida, C. Marisa R.; Martins, Pedro; Lanceros-Mendez, Senetxu; Alexandrino, Diogo A. M.; Carvalho, Maria F.
- 38 **20869 | Metal resistance and plant growth potential of *Panicum virgatum* rhizosphere bacteria for phytoremediation of digestate amended soil**
Cabag, Lizlit; Bonet-Garcia, Neus; Tomasino, Maria P.; Mucha, Ana P.; Almeida, C. Marisa R.; Fernandes, Joana P.
- 39 **20874 | Environmental implications of the use of tungsten oxide nanoparticles for clean energy production**
Cordeiro, Ana M.; Ganilho, C.; Andreani, T.; Pereira, Carlos M.; Pereira, R.
- 40 **20905 | Microbial community characterization of enriched cultures with potential to degrade pharmaceuticals: culture-dependent and independent approaches**
van Heerden, Alexandre; Gorito, Ana M.; Mucha, Ana P.; Almeida, C. Marisa R.; Fernandes, Joana P.

- 41 **20910 | Marine litter monitoring on Matosinhos Beach**
Pinto, Maria; Maia, Fausto; Ferreira, Ana; Ferreira, Catarina; Pinto, Margarida; Dias, Cláudia; Ramos, Sandra
- 42 **20939 | Kelp forests in the north of Portugal: characterization of ecosystem services and its importance for coastal management**
Perazo, Zaíra M.; Cunha, Jacinto; Castelo Branco, M.; Ramos, Sandra
- 43 **20942 | Monitorization of air quality in the Natural Park of Montesinho**
Pereira, Ariana; Soares, Sónia; Delerue-Matos, Cristina; Ribeiro, Helena; Oliveira, Marta
- 44 **20992 | Restoration of marine forests seaweed species as a Nature-Based Solution to mitigate climate change**
Coutinho, Ana Catarina; Borges, Débora; Chemello, Silvia; Costa, Isabel
- 45 **21047 | Assessment of the pollen allergenic potential in indoor air**
Gomes, Beatriz; Pereira, Sónia; Abreu, Ilda; Ribeiro, Helena
- 46 **21059 | Assessment of soil health in the vicinity of a Au/Sb Mine**
Alves, André; Vila, Maria Cristina; Dinis, Maria de Lurdes; Soeiro de Carvalho, José; Fernandes, António
- 47 **21074 | Acute ecotoxicological effects of metformin on *Daphnia magna***
Pinheiro, Diana; Antunes, Sara C; Rebelo, Daniela; Rodrigues, Sara
- 49 **21196 | Micro-debris in shore water samples from the Northwest Portuguese Atlantic Coast**
Vale, Marta; Guilhermino, Lúcia; Barboza, L. Gabriel
- 50 **21202 | The influence of culture and artistic manifestations in the promotion of environmental education and communication**
Gonçalves, Margarida
- 51 **21259 | Inorganic wastes from pulp paper mills - recycling alternatives for water remediation**
Castro, Mafalda R.; Meireles, Carolina G. M.; Peixoto, Andreia; Granadeiro, Carlos M.; Grous, Giovanna G. S.

Geology

- 52 **20908 | About a dwarf fauna of likely Silurian age, related to Upper Ordovician glaciation, S. Pedro da Cova (inverse limb of Valongo Anticline), Gondomar, NW Portugal**
Teixeira, Gabriel José; Couto, H.

Criminology and Law

- 53 **20579 | Political-Administrative decentralization of the Portuguese state**
Castro, Emily S. X. de
- 54 **21244 | Affective abandonment and its implications in law**
Savignon, David
- 55 **20431 | The influence of parenting styles on children and youth's externalizing and internalizing: the mediational role of self-control**
Almeida, Diana; Santos, Gilda
- 56 **20497 | The Influence of prison architecture and design on inmates' behaviour**
Ribeiro, Ana R.; Faria, Rita J.
- 57 **20501 | What difficulties do sex offenders face when reentering society after serving a prison sentence? An exploratory study with Portuguese sexual offenders on probation**
Cardoso, Ana R.; Santos, Gilda
- 58 **20551 | Cyberbullying and Cybervictimization: The role of gender, parenting styles and empathy**
Oliveira, Catarina D.; Santos, Margarida A.

- 59 **20605 | The influence of chronotype on eyewitness memory performance**
Oliveira, Ana Carolina; Rodrigues, Pedro F. S.; Pinto da Costa, Mariana
- 60 **20805 | Experiences of imprisonment by LGBT inmates**
Andrade, Dayanne; Faria, Rita; Pina, Miriam
- 61 **20822 | Life trajectories in drug dealing: foreign and gypsy ethnicity women prisoners**
Silva, Victoria S.; Santos, Margarida A.
- 62 **21101 | Media, fear of crime and punitiveness - a mediation relation**
Vilhena, Matilde; Guedes, Inês; Moreira, Samuel
- 63 **21173 | Exploring Portuguese cannabis cultivation: An analysis of growers' legal perception**
Nápoles, L.; Faria, R.; Quintas, J.

Health Sciences

- 64 **20680 | Establishment of a 3D multi-layered intestinal inflammation model**
Ferreira, Bárbara; Barros, Sofia; Sarmiento, Bruno
- 65 **20700 | Generation of ex-vivo 3D organoid culture from surgically-derived tissue of paediatric brain tumours**
Ferreira, Bárbara; Peixoto, Joana; Pinheiro, Jorge; Pereira, Josué; Soares, Paula; Nunes, Susana; Fernandes, Ana P.; Gil da Costa, Maria J.; Lima, Jorge
- 66 **20702 | Targeting mitochondrial TERT to overcome therapeutic resistance**
Chantre, Ana; Correia, Marcelo; Soares, Paula; Maximo, Valdemar; Lima, Raquel T.
- 67 **20707 | The role of UPR-glycosylation axis in innate immune activation**
Ustymenko, Bárbara; Mendes, Andreia; Pinheiro, Fátima L.; Pierre, Philippe; Alves, Inês; Pinho, Salomé S.; Almeida, Catarina R.
- 68 **20719 | Characterization of cell proliferation, angiogenesis, inflammation and browning profile of the adipose tissue of women with endometriosis**
Abobeira, J.P.; Neto, A.C.; Mausersberger, J.; Salazar, M.; Fernandes, A.S.; Martinho, M.; Rodrigues, A.R.; Almeida, H.; Gouveia, A.M.; Neves, D.
- 69 **20739 | Evaluation of RAS2 and TTP1 promoter mutations in thyroid tumours**
Leite, Rúben; Dias, Carolina; Soares, Paula; Vinagre, João
- 70 **20852 | Characterization of carbon-dots and its impact in a breast cancer cell line**
Magalhães, Sofia; Luís, Carla; Fraga, Hugo; Duarte, Abel
- 71 **20879 | The impact of IFN γ -mediated endothelial cell activation for the progression of the mycobacterial granuloma**
Ribeiro, Nuno; Lobo-Silva, Margarida; Santos, Débora; Saraiva, Margarida; Vilanova, Manuel; Appelberg, Rui; Resende, Mariana
- 72 **20882 | The role of macrophage-epithelial transition for mycobacterial granuloma progression and disease outcome**
Santos, Débora; Aleluia, Matilde; Ribeiro, Nuno; Saraiva, Margarida; Vilanova, Manuel; Appelberg, Rui; Resende, Mariana
- 73 **20904 | The subcutaneous adipose tissue from HFE-knockout mice accumulates high levels of iron and develops a pro-inflammatory phenotype**
Silva, Beatriz; Gomes, Ania; Magalhães, Nisa; Salazar, Maria; Almeida, Henrique; Duarte, Tiago L.; Matos, Liliana; Silva, Elisabete; Gouveia, Alexandra M.; Rodrigues, Adriana R.
- 75 **21228 | Paediatric oncology: main recommendations and nutritional guidelines**
Silva, Sara; Alexandre, Ana Margarida; Mendes Matos, Catarina; Costa, Diana; Algarinho, Joana; Teixeira, Marguerita
- 76 **20503 | Research on antibiotic resistance in isolates from environmental waters of Douro**
Fonseca, Beatriz F.; Ferreira, Helena N.

Room A1 – Criminology and Law I

21185 | Factors which influence prosecutors' decisions to charge or to not charge in rape crimes against women: the (dis)crediting of the victim

Bicho, Inês de S.; Quintas, Jorge

20829 | Hate crimes against LGBT community replication of Walters, Paterson, Brown, and McDonnell study

Portela, Telma

20569 | The role of social media as perpetuation mechanisms of victim blaming and slut-shaming - an empirical study

Sousa, Marta Gabriela Pereira de; Guedes, Inês Maria Ermida de Sousa; Oliveira, Jorge Albino Quintas

20594 | Predictors of perceived wrongfulness and harmfulness of crime among residents in Portugal

Calmeiro, Mária L.; Sousa, Pedro; Cruz, José

20701 | Examining the role of self-control and social learning components in explaining malicious hacking behaviours

Roque, Carolina; Moreira, Samuel; Guedes, Inês

20676 | The relationship of social contacts with prisoners' mental health - a systematic review

Machado, Nicole C.; Abreo, Lee.; Petkari, Eleni.; Pinto da Costa, Mariana

Room A2 – AgroFood II

20533 | Climate change-induced effects on *Castanea sativa* Miller - can mycorrhization be an effective mitigation strategy?

Mateus, Pedro; Sousa, Filipa; Sousa, Bruno; Martins, Maria; Moutinho-Pereira, José; Soares, Cristiano; Fidalgo, Fernanda

20866 | Foliar application of aspirin increases nitrogen use efficiency in wine culture

Ribeiro, Rafael R.; Durães, Raquel D.; Castro e Cunha, Juliana C.; Fontes, Natacha F.; Teixeira, Jorge T.

20952 | Foliar application of aspirin affects nitrogen metabolism in wine culture

Durães, Raquel D.; Ribeiro, Rafael R.; Castro e Cunha, Juliana C.; Fontes, Natacha F.; Teixeira, Jorge T.

21126 | Unveiling the role of proline in plants exposed to glyphosate

Nadaís, Pedro; Sousa, Bruno; Pereira, Cláudia; Pereira, Ana Marta; Fidalgo, Fernanda; Soares, Cristiano

20840 | IgE-binding capacity of shellfish allergens as affected by food processing and digestibility

Sá, Bruno; Villa, Caterina; Teixeira, Carla S. S.; Mafra, Isabel; Costa, Joana

21170 | Insecticidal activity and toxicity of two spider venom peptides for the control of *Drosophila suzukii*

Regalado, Laura; Sario, Sara; Mendes, Rafael; Valle, Javier; Harvey, Peta; Teixeira, Cátia; Gomes, Paula; Andreu, David; Santos, Conceição

20565 | An effective and safe approach to specific bio-pesticides: bacteria-mediated RNAi by feeding on invasive insect red palm weevil (*Rhynchophorus ferrugineus*)

Oliveira, João; Silva, Diogo; Matos, Inês; Rangel, Luís Filipe; Sousa, José Américo; Santos, Maria João; Ayra-Pardo, Camilo

Room A3 – Environment II

21102 | Land use changes before and after the nuclear accident near Chornobyl city

Lopes, Pedro M.; Pablos, Neftalí S.; Boratyński, Zbyszek; Teodoro, Ana C.

20947 | Environmental risk assessment of Estarreja chemical complex

Machado, Diogo; Paiva, Cristiana; Fernandes, Beatriz; Cachada, Anabela; Pereira, Ruth; Patinha, Carla

20990 | Methallothionein-encoding genes are differentially (down)regulated in young leaves of *Arabidopsis thaliana* by exposure to high Ni levels

Afonseca, Ana; Silva, Jessy; Pereira, L.G.; Teixeira, J.

20664 | The influence of different concentrations of nickel in the phytochelatin synthase 1 gene expression in *Arabidopsis thaliana*'s young leaves

Mota, Inês; Afonseca, Ana; Teixeira, Jorge

21067 | Microplastics contamination of zooplankton from the Douro and Lima estuaries

Espincho, M. Francisca; Pereira, Ruben; Rodrigues, Sabrina M.; Silva, Diogo; Almeida, C. Marisa R; Ramos, Sandra

Room A4 – Architecture II

20783 | Utopia built body to body. Dance pavilion in Leça da Palmeira

Torre, Eva Sendas

20891 | The architecture of psychiatric institutions seen through cinema

Antunes, Ana Margarida

20839 | The duality of the stairs in multifamily housing buildings in Portugal, 1951-2020

Costa, Ana Francisca Freitas

20530 | Architecture *in conflict*. Dichotomies on contemporary challenges in state-subsidized housing

Andrade, Inês; Lameira, Gisela; Rocha, Luciana

20671 | Adapting school spaces to contemporary pedagogy: An interdisciplinary approach

Brites, Paulo; Santos, André

13

Room A5 – Health Sciences II

20438 | Total Tumour Load to assist in the decision for additional axillary surgery in the positive sentinel node breast cancer patients

Sousa, Nuno; Peleteiro, Bárbara; Fougho, José L.

20504 | Differences among a Portuguese cohort of BRAC pathogenic/likely pathogenic variants carriers choosing risk reducing mastectomy or intensive breast surveillance

Torres, Sandra; Peleteiro, Bárbara; Magalhães, André; Garrido, Luzia; Costa, Susy; Fougho, José Luís

20589 | Molecular characterisation of cutaneous melanoma

Nunes, Inês; Costa, Catarina; Martins, César; Andrade, Maria I.; João, Alexandre; Lopes, José M.; Barata, Catarina; Soares, Paula; Pópulo, Helena

20645 | Dissecting the roles of the Aryl Hydrocarbon Receptor in melanoma: from a sensor to a regulator of the melanoma microenvironment

Moreira, Beatriz; Lian, Yilong; Moura-Alves, Pedro

20649 | The role of glycans in modulating innate immunity towards cancer prevention

Almeida, Pedro; Fernandes, Ângela; Alves, Inês; Jerónimo, Carmen; Pinho, Salomé S.

20652 | Ubiquitination default as a familial non-medullary thyroid cancer marker

Fernandes, Cláudia; Teixeira, Elisabete; Gaspar, Tiago; Canberk, Sule; Batista, Rui; Soares, Paula

20867 | Evaluation of a new player in renal fibroblast activation

Gomes, Emílio; Brandão, Isabel; Teixeira, Catarina; Ramil-Gómez, Olalla; Carvalho, Eduarda; Fernandes, Rúben; Silva, Roberto; Pestana, Manuel; Oliveira, João Paulo; Alencastre, Inês Soares

Room A1 – Biological Sciences I

20550 | Social behaviour between *Lemur catta* in Zoo da Maia

Oliveira, Catarina de; Magalhães, Ana

20425 | Using Google Earth Engine, ecological niche models, and a web geographic information system for biodiversity monitoring

Garcia, Nuno; Campos, João C.; Duarte, Lia B.; Sillero, Neftalí

20418 | Amphibian species inventory and action plan for the freshwater habitats within the green areas of Porto

Milan, Thais C.; Naia, Marisa; Teixeira, José

20516 | Macrofauna biodiversity assessment in a real scale constructed wetland for wastewater treatment

Magalhães, João; Pereira, Sofia; Ilarri, Martina; Leong, Chi M.; Calheiros, Cristina S. C.

20930 | Common dolphin (*Delphinus delphis*) distribution in Northern Continental Portugal - preliminary analyses

Teixeira, João; Oliveira-Rodrigues, Cláudia; Afonso, Luís; Gil, Âgatha; Correia, Ana M.; Sousa-Pinto, Isabel; Valente, Raul

20801 | Assessing the efficiency of non-invasive samples and reduced representation library sequencing for genomic studies in primates from Sierra Leone

Mota, Eduardo Castro; Martins, Nuno Filipe Gomes; Borges, Filipa; Madrigal, Jazmín Ramos; Hernández-Alonso, Germán; Chikhi, Lounès; Minhós, Tânia; Gopalakrishnan, Shyam

Room A2 – Criminology and Law II

20767 | The contact of migrant women victims of crime with Portuguese criminal agencies

Silva, N. C.; Faria, R.

20875 | The Verde Eufémia Movement in Silves revised: What do the Portuguese Government and the Media have to say?

Barqueiro, Beatriz; Moreira, Samuel; Garrido, Rui

20764 | Public discourse towards volunteering in prisons: An infodemiology study of Twitter data

Nunes, Joana; Álvarez-Mon, Miguel A.; Lara-Abelenda, Francisco J.; Pinto da Costa, Mariana

21144 | Visual patterns in phishing identification: An eye-tracking study

Ribeiro, L.; Guedes, I.; Cardoso, C.

21181 | Mass media and fear of crime: a multi-methodology

Romão, Inês; Guedes, Inês S.; Cardoso, Carla S.

Room A3 – Psychology and Education Sciences I

20401 | The Online Lighthouse Mentalization Based Treatment for parents: Feasibility and caregivers' perceived processes of change

Harfouche, Francisco.; Volkert, Jana.; Sales, Célia

20978 | Demands of caring: Emotion regulation and exhaustion on youth residential care workers

Fonseca, L.; Matos, Paula M.; Carvalho, H.

20402 | SOS Suicide: The dynamics of emotional support helplines and the counsellors' experience

Silva, Andreia; Rothes, Inês A.; Henriques, Margarida R.

20856 | Suicidal behaviours prevention and help-seeking barriers and facilitators in university students

Nogueira, Daniela; Rothes, Inês A.; Henriques, Margarida R.

21219 | LGBTQ+ Inclusive school policies and practices and students' mental health in Portugal

Sousa, Diana; Gato, Jorge

21152 | Feedback: (when) it results?

Costa, Pedro M.

20765 | Analysis of the Hikikomori phenomenon - an infodemiology study of Twitter data in Portuguese

Correia Lopes, Francisca; Álvarez-Mon, Miguel A.; Fernandez-Lazaro, Cesar I.; Lara Abelenda, Francisco J.; Pinto da Costa, Mariana

Room A4 – Engineering I

20834 | Energy and performance aware multi-drone placement for sustainable flying networks

Ribeiro, Pedro; Coelho, André; Campos, Rui

20643 | Jet fighter real time tracker

Antunes, João P.M.M.C.

20546 | Adaptive optics photometry and astrometry using machine learning

S.F. Ribeiro, Francisco; J.V. Garcia, Paulo; Silva, Miguel; Davies, Richard; S. Cardoso, Jaime

21092 | Conditional AI-based generation of diffusion MRI images

Pedro Sousa; Jaime Cardoso; Chantal Tax

20529 | Benchmarking of educational systems: Using Stochastic Frontier Analysis to assess country performance in education and training in the European Union

Sousa, Inês P.; Pereira, Miguel A.; Camanho, Ana S.

21241 | Analysis of educational outcomes in European regions

Durães, Maria João; Camanho, Ana; Barbosa, Flávia; D'Inverno, Giovanna

20616 | Effects of a graphene-based polymeric surface on marine biofilm development

Sousa-Cardoso, Francisca; Teixeira-Santos, Rita; Campos, Ana Francisca; Lima, Marta; Gomes, Luciana C.; Soares, Olívia S. G. P.; Mergulhão, Filipe J.

Room A5 – Health Sciences III

20853 | Understanding the role of extracellular vesicles derived from mutant KRAS colorectal cancer cells on T-cell activation and exhaustion

Costa, A. Catarina; Mendonça, Susana; Machado, Ana Luísa; Carvalho, Joana; Velho, Ségia

20860 | P-cadherin-mediated cell-cell adhesion: its role on immune evasion in metastatic breast cancer

Tomaz, Cristiana; Esquível, Catarina; Castro, Flávia; Pereira, Flávia; Borges, Ana; Sousa, Bárbara; Oliveira, José M; Paredes, Joana

20925 | Evaluating the chemosensitizing effect of Pentoxifylline in pairs of sensitive and multidrug-resistant non-small cell lung cancer cell lines

Matos, Beatriz; Peixoto da Silva, Sara; Polónia, Bárbara; Vasconcelos, M. Helena; Xavier, Cristina P.R.

20926 | Heroin and tramadol accelerate telomere shortening in human SH-SY5Y neuroblastoma cells

Henriques, Rita T.; Carmo, Helena; Carvalho, Félix; Silva, João Pedro

20872 | Pyrazoles as potential modulators of inflammation through the inhibition of COX-2 activity and human leukocytes' oxidative burst

Silva, Jorge; Rocha, Sónia; Silva, Vera M.L.; Silva, Artur M.S.; Moreira, Fernando; Fernandes, Eduarda; Freitas, Marisa

15

16:00-17:00 POSTER SESSION

Nr. Architecture

- 20931 | LIVING VOICES FROM PORTO SCHOOL: Pedagogies and experiences of a collective, in the consolidation of the Identity**
Cavaco, Margarida; Santos, André; Casanova, Maria José

- 2 **20936 | The contribution of memory in the recognition of identity: stories, testimonies and sharing as Living Voices of Porto School**
Capela, Ana; Casanova, Maria José; Santos, André
- 5 **21178 | Retrospective studies on the history of international and Portuguese urban planning**
Almeida, André L.; Furtado, Gonçalo L.

Education Sciences

- 8 **20495 | The importance of epistemological reflection in the pedagogical act: Pedagogical paradigms in light of the UNESCO report on the Futures of Education**
Souza, Willian C.
- 11 **20779 | Study of the drama-based pedagogy impact on astronomy teaching in the 7th Grade**
Dias, Bruna S. M.; Gameiro, Jorge F. S.

Chemistry

- 12 **20505 | Amperometric immunosensor targeting soybean Gly m TI allergen in foods**
Dias, Catarina; Costa, Joana; Villa, Caterina; Fernandes, Daniela; Pereira, Carlos M.; Costa, Renata
- 13 **20524 | G protein-oriented immobilization of antibodies onto gold screen-printed electrodes - a promising improvement for human chorionic gonadotropin biosensor**
Gritsok, Dmitrij; Gomes Amorim, Célia; Araújo, Alberto; Montenegro, Conceição
- 14 **20573 | Chemical control of acrylamide in the food industry**
Bastião, Beatriz R.; Araújo, Alberto N.; Prior, João A. V.
- 15 **20576 | Electrochemical biosensing of ANP using MIPs as receptors**
Silva, Ana T.; Ribeiro, José A.; Pereira, Carlos M.
- 16 **20578 | Synthesis and structure elucidation of building blocks for marine cyclic peptide analogues as promising antimicrobial agents**
Costa, Lia; Ribeiro, Ricardo; Fortes, Sara; Sousa, Emília; Fernandes, Carla
- 17 **20584 | Determination of patulin in apple products by high performance liquid chromatography with ultraviolet detection**
Gomes, Diogo; Santos, Alice; Sousa, Laura; Almeida, Paulo
- 18 **20592 | Synthesis of a series of building blocks to obtain nitro derivatives**
Margarido, Hélder; Tiritan, Maria E.; Pinto, Madalena; Fernandes, Carla
- 19 **20598 | Bacterial Siderophores - Iron thievery weapons in environmental research: synthesis, characterization and applications as bioremediation and chelating agents**
Gomes, Ana F. R.; Sousa, Emília; Resende, Diana I. S. P.
- 20 **20628 | Identification of xanthene derivatives inhibitors of mutant G2019S of Leucine Rich Repeat Kinase 2 (LRRK2) in yeast**
Gomes, Pedro; Maia, Miguel; Martins, Márcia; Sousa, Emília; Saraiva, Lucília
- 21 **20662 | Chitosan-flavylum conjugates towards construction of pH-responsive membranes for food spoilage detection**
Cunha, Mariana; Freitas, Victor; Cruz, Luís; Rodrigues, João M.M.
- 22 **20669 | Exploring the assembly of aminopyrazine acrylamides for application in cancer treatment: optimization of the reactional conditions**
Silva, Mariana; Pinheiro, Tiago; Ferreira, Inês; Sampaio-Dias, Ivo E.; Maronde, Daiane; Pinto da Silva, Luís; Rodríguez-Borges, José E.
- 23 **20674 | Development of smart labels to reduce food waste**
Ribeiro, Rita F.; Amorim, Célia; Montenegro, Conceição; Araújo, Alberto; Faustino, Amparo; Neves, Maria da Graça P.M.S.; Monteiro, Carlos J.P.; Moura, Nuno M.M.

- 24 **20683 | Synthesis of aminopyrazine-based acrylamides as precursors of new photosensitizers for application in cancer treatment**
Ferreira, Inês; Silva, Mariana; Pinheiro, Tiago; Sampaio-Dias, Ivo E.; Maronde, Daiane; Pinto da Silva, Luís; Rodríguez-Borges, José E.
- 25 **20686 | Application of aza-proline-based scaffolds for the assembly of Glypromate analogues**
Oliveira, Joana P.; Rodrigues, Henrique R.; Correia, Xavier C.; Costa-Almeida, Hugo F.; Silva-Reis, Sara C.; Sampaio-Dias, Ivo E.
- 26 **20690 | Determination of volatile thiols in coffee by liquid chromatography with fluorescence detection**
Rocha, Teresa B.; Santos, J. Rodrigo; Almeida, Paulo J.; Rodrigues, José A.
- 27 **20692 | Exploring the synthesis of activated aza-proline and aza-pipecolic acid and their structural analysis by X-ray crystallography**
Rodrigues, Henrique R.; Oliveira, Joana P.; Correia, Xavier C.; Costa-Almeida, Hugo F.; Silva-Reis, Sara C.; Sampaio-Dias, Ivo E.
- 28 **20718 | Extraction of gallic acid from winery wastes using green techniques**
Teixeira, Joana; Godinho, Sara; Cravo, Sara; Cidade, Honorina; Freire, Mara; Correia-da-Silva, Marta
- 29 **20731 | Design and synthesis of proline mimetic amphiphiles as potential transdermal drug delivery systems**
Do Vale, Maria Luísa; Goreti Silva, Sandra; Sampaio, Bárbara
- 30 **20732 | "Artificial" antibody targeting Gly m TI soybean allergen for food MIP-sensor application**
Fernandes, Daniela; Dias, Catarina; Costa, Joana; Mafra, Isabel; Silva, António; Pereira, Carlos; Costa, Renata
- 31 **20778 | A solvent-free reaction in the green synthesis of a new eco-friendly antifouling agent**
Baptista, Catarina; Godinho, Sara; Cravo, Sara; Pinto, Madalena; Correia-da-Silva, Marta
- 32 **20803 | Synthesis of aminopyrazine derivatives with potential application in cancer treatment**
Alves, Tiago; Silva, Mariana; Ferreira, Inês; Sampaio-Dias, Ivo E.; Maronde, Daiane; Pinto da Silva, Luís; Rodríguez-Borges, José E.
- 33 **20809 | Chromatographic and computational lipophilicity assessment of antifouling biocides**
Vidal, Diana; Soares, José X.; Cravo, Sara; Correia-da-Silva, Marta; Fernandes, Carla; Afonso, Carlos M. M.
- 34 **20824 | New hybrid metal sulfide/oxide@MWCNT nanomaterials for the photocatalytic removal of emerging pollutants**
Feiteira, Rúben; Pereira, André M.; Pereira, Clara R.; Kuźniarska-Biernacka, Iwona; Nunes, Marta S.
- 35 **20842 | Vitamin D3: Synthesis of promising new analogues for cancer treatment**
Santos, Isabel; Rodríguez-Borges, José E.
- 36 **20850 | Development of new antimicrobial compounds to fight infectious disease**
Alves, Catarina; Benfeito, Sofia; Borges, Fernanda; Cagide, Fernando
- 37 **20873 | Amino-acid-conjugated flavonoids with potential antitumor activity: synthesis and structure elucidation**
Pereira, Ana M.; Pinto, Cláudia; Pinto, Madalena; Cidade, Honorina; Tiritan, Maria E.
- 38 **20911 | Nanostructured anthocyanins - natural and sustainable solutions to improve food quality**
Garrido Tomás; Fernandes Ana; De Freitas Victor

- 39 **20961 | Degradation studies applied to new antifouling compounds: Biodegradation, abiotic degradation and photodegradation**
Duarte, Sofia; Maia, Alexandra; Cidade, Honorina; Correia-da-Silva, Marta; Tiritan, Maria Elizabeth
- 40 **20987 | Initial steps into the synthesis of a catecholamide siderophore mimetic**
Teixeira, Joana; Cardoso, Joana; Sousa, Emília; Resende, Diana I. S. P.
- 41 **20991 | MIP nanoparticles for specific recognition of BSA**
Figueiredo, Rui; Azenha, Manuel; Pereira, Carlos; Ribeiro, José
- 42 **21005 | New antidotes for *Bothrops asper* venom: study of PLA2 protein**
Pinto, Roberto; Calixto, Ana Rita; Ramos, Maria João; Ferreira, Pedro G.; Fernandes, Pedro A.
- 43 **21012 | Development of analytical methods for the fluorescence characterization of a photocatalysis mechanism**
Almeida, Inês S.; Torres-Pinto, André; Ribeiro, Ana Rita L.; Silva, Cláudia G.; Faria, Joaquim L.; Silva, Adrián M.T.
- 44 **21024 | An automatic flow-based method for expedite analysis of enzymatic activity**
Sacco, Michelangelo; Marques, Sara S.; Gregório, Bruno J. R.; Segundo, Marcela A.
- 45 **21063 | Shrimp shell waste valorisation as sustainable catalysts for bioproducts and biofuels**
Miranda, Pedro Ângelo; Marques, Inês S.R.; Pereira, Eulália; Peixoto, Andreia F.
- 46 **21071 | Development of green solvents for the pharmaceutical industry**
Carvalho, Catarina; Sarraguça, Mafalda; Reis, Salette
- 47 **21090 | Aminoxanthenes as building blocks for bioconjugation with aminoacids**
Ribeiro, Tiago; Ribeiro, Ricardo; Silva, Eduarda; Pinto, Madalena; Fernandes, Carla; Tiritan, Maria E.
- 48 **21110 | Light-activated sulfonamides for antimicrobial photodynamic therapy**
Sarabando Sofia N.; Monteiro Carlos J. P.; Sousa Emília; Palmeira Andreia; Faustino M. Amparo F.
- 49 **21117 | Chemical and physical characterization of commercial biodegradable pots for plant production**
Diogo, Dalton; Soares, Cristina; Dias, Leandro; Delerue-Matos, Cristina
- 50 **21140 | Hydroponic agriculture substrates as biosorbents for adsorption of metals in contaminated soils**
Gonçalves, Joana; Pedron, Tatiana; Santos, Rui; Ribeiro, José; Azenha, Manuel
- 51 **21164 | New chalcone-kojic acid hybrids with potential antityrosinase activity**
Gaspar, Ana; Pereira, Daniela; Pinto, Madalena; Correia-da-Silva, Marta; Cidade, Honorina
- 52 **21210 | Synthesis and characterization of organic compounds with high electron correlation**
Nogueira, Maria L. A. F. V.; Lima, Carlos F. R. A. C.; Santos, Luís M. N. B. F.
- 53 **21262 | Preparation and characterization of biopolymer-based composites for environmental applications**
Loureiro, Marcelo P.; Santos, Ana C.; Matos, Renata; Marques, Inês; Valentim, Bruno; Guedes, Alexandra; Maniukiewicz, Waldemar; Peixoto, Andreia F.; Kuźniarska-Biernacka, Iwona

Engineering

- 54 **20422 | Exploring technologies for simulating assisted childbirth**
Ferreira, Erica; Oliveira, Dulce
- 55 **20461 | Plants as sensors: First studies and prototype models**
Lobo, Marta A.
- 56 **20462 | Biomechanical impact of a subsequent childbirth on female pelvic floor**
Campos, Maria; Oliveira, Dulce

- 57 **20477 | SHS - Soil Health surrounding former mining areas: Characterization, risk analysis, and intervention I**
Sousa, Sara Alexandra; Dinis, Maria de Lurdes; Vila, Maria Cristina; Fernandes, António; Araújo, Ana Rita
- 58 **20535 | Development of a drug-delivery system based on chlorhexidine-loaded porous composite hydrogel for bone tissue engineering**
Fernandes, Ana; Tavares, Maria; Grenho, Liliana; Barros, Joana
- 59 **20603 | Assessing OPEX costs at hydropower plants: A path for efficiency and decarbonization**
Bongiovi, Gustavo
- 60 **20620 | Analysis of the reaction parameters of palmitic acid deoxygenation for sustainable jet fuel production**
Costa, Mariana; Ferreira, Karoline; Ribeiro, Lucília; Pereira, M. Fernando
- 61 **20625 | Adsorbent regeneration and antimony recuperation techniques using saturated adsorbents**
Teixeira, Pedro J. S.; Carneiro, Mariko A.; Pintor, Ariana M. A.
- 62 **20638 | Recycled construction and demolition waste in landfill cover systems: inclined plane shear resistance of interfaces with geosynthetics**
Gomes, Marisa; Carneiro, José Ricardo; Vieira, Castorina
- 63 **20641 | Microencapsulation and valorisation of bioactive compounds present in plants, with applicability in the food, pharmaceutical and cosmetic industry**
Ramos, Joana Pereira; Couto, Ana Francisca.; Estevinho, Berta Nogueiro
- 64 **20665 | Glucose concentration monitoring with advanced surface plasmon resonance optical fibre sensor technology**
Cunha, Cristina; Silva, Susana; Frazão, Orlando; Novais, Susana
- 65 **20705 | Folate-functionalized PLGA nanoparticles: A promising approach to target methicillin-resistant *Staphylococcus aureus***
Monteiro, Carlos; Andrade, Stéphanie; Ramalho, Maria J.; Santos, Rita S.; Guimarães, Nuno; Azevedo, Nuno F.; Loureiro, Joana A.; Pereira, Maria C.
- 66 **20734 | Recovery of burnt soils using Technosols - case study**
Moraes, Hanna; Fernandes, Maria J.; Valente, Teresa; Vázquez, Felipe M.; Teixeira, Salomé; Carvalho, Manuela M.; Delerue-Matos, Cristina
- 67 **20745 | Dual photocatalytic activity of nonmetal doped carbon nitride**
Fujita, Amanda; Torres-Pinto, André; Sampaio, Maria José; Silva, Cláudia G.; Faria, Joaquim L.; Silva, Adrián M.T.
- 68 **20750 | A route to commercialization of perovskite solar cells: the upscaling challenge**
Santos, Luís F.; Duarte, Vera C.M.; Mendes, Adélio; Andrade, Luísa
- 69 **20761 | Role of Lactic Acid Bacteria (LAB) in displacing biofilms in the food industry**
Tomé, Andreia R.; Carvalho, Fábio M.; Teixeira-Santos, Rita; Mergulhão, Filipe J. M.; Gomes, Luciana C.
- 70 **20766 | Biomechanical study of the anal sphincters**
Magalhães, Catarina Rocha; Oliveira, Dulce

19

17:00 - 18:30 PARALLEL ORAL SESSIONS IV

Room A1 – Chemistry I

20404 | Olive pomace valorisation by obtention of bioactive compounds enriched extract
Azevedo, Gabriel; Lima, Sofia; Reis, Salette

20757 | Valorisation of rice by-products
Marques, Inês; Peixoto, Andreia; Gameiro, Paula; Leite, Andreia

20507 | Magnetic cork-derived porous composites as adsorbents for water remediation technologies

Grous, Giovanna G.S.; Macedo, Paulo; Granadeiro, Carlos M.

20708 | Study of the contamination of deactivated mines soils with potentially toxic elements using sequential extraction procedures

Monteiro, Marcus V.; Ribeiro, José A.; Santos, P.; Azenha, M.

21013 | Simultaneous purification and quantification of organic nanoparticles loaded with small molecules using hydrodynamic-based separation and light scattering detection

Araújo, Susana L. M.; Marques, Sara S.; Barreiros, Luisa; Segundo, Marcela A.

20789 | New strategy to conjugate PEG lipids with amino acids for surface functionalization of nanoparticles

Afonso, Inês; Loureiro, Daniela R. P.; Soares, José X.; Nunes, Cláudia; Reis, Salette; Afonso, Carlos M. M.

20709 | Probing (tri)phosgene-free assembly of semicarbazides in aza-peptide synthesis

Correia, Xavier C.; Sampaio-Dias, Ivo E.; Silva-Reis, Sara C.; Costa-Almeida, Hugo F.; Pires-Lima, Beatriz L.; García-Mera, Xerardo; Rodríguez-Borges, J E.

Room A2 – Biological Sciences II

20557 | Ecotoxicological impact of the bioinsecticide SPINTOR® on earthworms *Eisenia fetida*

Moreira, Alexandre; Nogueira, Verónica; Bouguerra, Sirine; Rodrigues, Sara

20544 | Leça River: An assessment of pollution and macro-litter impact on the ecological status

Meireles, Francisco; Nogueira, Sandra; Formigo, Nuno; Antunes, Sara C

20790 | Environmental DNA as a cetacean monitoring tool in the Northern Coast of Continental Portugal

Afonso, Luís; Costa, Joana; Correia, Ana M.; Tomasino, Maria P.; Valente, Raúl; Gil, Ágatha; Oliveira-Rodrigues, Cláudia; Sousa-Pinto, Isabel; López, Alfredo; Magalhães, Catarina

20996 | Host-mycobacteria interactions: Who will claim the iron throne?

Ramos, Ana S; Fonseca, Óscar; Couto, Carolina A; Gomes, Leonor TS; Oliveira, Isabel B; Ferreira-da-Silva, Frederico; Silva, André MN; Resende, M; Pires, J; Freitas, D; Silva, Tânia; Gomes, M Salomé; Moreira, Ana C

21038 | Interaction dynamics between marine communities of Annelids (Annelida) and Myxozoan parasites (Myxozoa)

Araújo, Catarina; Araújo Costa, Dimitri; Rangel, Luís; Rocha, Sónia

Room A3 – Engineering II

20406 | AI-based systems for water loss reduction in a distribution network

Sá Couto, Juliana G.

21195 | An algorithm using an envelope spectrum analysis for Out-of-Roundness detection in railway wheels

Gonçalves, Vítor; Mosleh, Araliya; Vale, Cecília; Montenegro, Pedro A.

20749 | Incorporation of nanomaterials in high pressure laminates for the improvement of energetic efficiency of facades

Santos, Alexandra; Veloso, Rita Carvalho; Ramos, Nuno M.M.; Ventura, João; Costa, Cláudia; Gonçalves, Tânia

21208 | Characterisation of eco-friendly high-performance concrete

Relvas, Ana C.; Coelho, Luiz; Matos, Ana M.; Magalhães, Filipe

21003 | Lipid extraction and enzymatic biodiesel production from microalgae *Aurantiochytrium sp.*: Exploratory Studies

Oliveira, Joana; Costa, Emanuel; Dias, Joana; Pires, José

Room A4 – Psychology and Education Sciences II

21109 | The Impact of self-distancing on emotion regulation and moral reasoning in juvenile delinquents

Joana, Castro; Alves, Rui A.

20463 | The impact of perceived inefficacy of the justice system on reactions to the deviance
Cardoso, Leonor G.; Lima, João Pedro; Pascoal, Eduardo; Silva, Matilde P.; Cristaldo, Natália

20457 | Psychological barriers moderate the attitude-behaviour gap for climate change
Vieira, João; Castro, São Luís; Souza, Alessandra S.

21260 | The Why Behind the Buy: exploring the moderation effect of normative influence on self-expression through fashion clothing and conspicuous consumption
Nardin, Valentina V.; Lins, Samuel

Room A5 – Health Sciences IV

20985 | Targeting BRCA-1-mediated DNA repair in pancreatic ductal adenocarcinoma therapy
Morais, João P.; Calheiros, Juliana; Moura, Sara; Barbosa, Filipa; Barros, Matilde; Mulhovo, Silva; Almeida, Inês M.; Ferreira, Maria J.; Saraiva, Lucília

21030 | Functional glycoproteomics characterization of gastric cancer cells expressing immature O-Glycans
Dourado-Gonçalves, Martina; Ferreira, Dylan; Paulo, Paula; Santos, Lúcio L.; Ferreira, José A.; Peixoto, Andreia

21049 | MicroRNAs profile associated with Enzalutamide resistance in prostate cancer
Tavares, Inês; Morais, Mariana; Dias, Francisca; Teixeira, Ana Luísa; Medeiros, Rui

21165 | "Radiocommunication": unravelling the role of extracellular vesicles in rectal cancer radioresistance
da Cruz-Ribeiro, Miguel; Estêvão, Diogo; Silva, Catarina; de Wever, Olivier; Sousa, Olga; Jerónimo, Carmen; Reis, Rui; Oliveira, M.J.; Cruz, T.B.

21174 | Potential anticancer activity and pharmacokinetics of novel 4-thiazolidinone-quinolines dimers
Pacheco, Teresa; Gala, Viktor; Aveiro, Pedro O.; Bouria, Houria; Alliouche, Hayette; Chouiter, Mohamed Imed; Belfaitah, Ali; Silva, Artur M. S.; Pereira, David M.

20883 | Bioactive dialysis membranes- incorporation of lipophilic antioxidants
Rebelo, Rute; Paiva-Martins, Fátima; Amorim, Célia G.; Araújo, Alberto N.; Conceição, Maria B. S. M. Montenegro; Santos-Silva, Alice

20965 | New peptide-based construct for wound healing: biophysical and biochemical profiling
Maciel, Joana; Ferreira, Mariana; Plácido, Alexandra; Gomes, Ana; Gameiro, Paula; Gomes, Paula

21

Quinta-feira, 11 de maio | May, 11th, Thursday

08:00 - 18:30 Secretariado a todos os participantes/ *Secretariat for all participants*

09:00 - 10:30 PARALLEL ORAL SESSIONS V

Room A1 – Biological Sciences III

21137 | Transcriptome sequencing unveils novel miR-195 targets associated to MSC differentiation and proliferation
Montenegro Cortez, Mafalda; Reis Moura, Sara; Almeida, Maria Inês

20499 | Improvement of aging hallmarks through mitotic epigenetic bookmarking
Mendes-da-Silva, Maria; Sousa-Soares, Carlos; Macedo, Joana C.; Logarinho, Elsa

20540 | Feedback regulation behind age-associated cell cycle slowdown as a potential anti-aging target
Gaspar-Silva, Filipa; Araujo, Ana R.; Logarinho, Elsa

20868 | Understanding the nucleation and dynamics of axonal membrane periodic skeleton
Moura, LM; Sousa, MM; Costa, AR

21177 | Modulating ascorbate transport in hippocampal microglia to target learning and memory deficits in the Thy1- α Syn mice model of Parkinson's disease

Pacheco, Ana M.; Santos, Evelyn C. S.; Liz, Márcia A.; Relvas, João B.; Portugal, Camila C.

21057 | Amphetamine and Methylphenidate elicited partial protection against the dopaminergic neurotoxin paraquat in differentiated SH-SY5Y cells

Carneiro, Patricia; Costa, Vera M.; Carvalho, Félix; Capela, João P.

Room A2 – Engineering III

20658 | Impact of a dynamic thermal insulation system on indoor thermal comfort and energy consumption - Numerical simulation

Ribeiro, Maria T.; Barreira, Eva; Almeida, Ricardo

21145 | Design, 3D printing and analysis of lattice structures: Stochastic Voronoi

Rodrigues, Rui; Santana, Leonardo; Alves, Lino

20474 | Influence of windings design on the thermal performance of core-type power transformers using mineral oil and natural ester as cooling fluid

Gonçalves, Diogo P.; Silva, Mónica C.F.; Neves, Soraia F.; Couto, Sandra

21151 | Evaluation of primary and secondary aluminium alloys properties

Soares, Gonçalo; Neto, Rui; Madureira, Rui; Silva, José; Silva, Rui P.

21082 | Additive manufacturing using sustainable feedstock obtained from metal scrap

Castanheira, Lara C. L.; Gil, Jorge W.; Amaral, Rui L.; Reis, Ana R. L.; Emadinia, Omid

20877 | Automatic identification of macroscopic constitutive parameters using a multi-scale model based on computational homogenisation

Fonseca Gonçalves, Guilherme; Cardoso Coelho, Rui P.; Rodrigues Lopes, Igor A.

21246 | Antimicrobial effect of photoactive phytochemicals on *Staphylococcus aureus* by themselves and combined with antibiotics

Soares, Sara; Gonçalves, Ariana S.; Simões, Manuel; Borges, Anabela

22

Room A3 – Arts I

20397 | The decorative arts in the dowry of Beatrice of Portugal: Reconstruction of the 1521 voyage to the Duchy of Savoy

Pires, Cláudia

20549 | Through pain and moral resistance: A look into the restlessness in Paulo César's Art

Barbosa, Pedro

20788 | Louis Galliac - The Artist's Model, 1934

Soares, Marília

21124 | Falsification of importances: The Image-Word opposition in relation to Jaques Rancière's "The Emancipated Spectator"

Vales, Inês

Room A4 – Chemistry II

20423 | Development of superoxide anion sensing compounds based on chemiluminescent coelenterazine

Silva, José Pedro; Esteves da Silva, Joaquim; Pinto da Silva, Luís

20679 | Preparation of catalysts for the sustainable conversion of glycerol into fuel additives

Dias, Catarina N.; Gomes, Carlos A. R.; Santos-Vieira, Isabel; Balula, Salette S.

20935 | New hybrid carbon/metal sulfide nanomaterials for application in smart textiles with energy storage and harvesting properties

Rua, Ricardo F.; Teixeira, Joana S.; Nunes, Marta S.; Pereira, André M.; Pereira, Clara R.

21076 | Extraction of volatile carbonyl compounds from wood-based panels by GDME-HPLC-DAD

Gonçalves, Fátima D.; Carvalho, Luísa H.; Rodrigues, José A.; Ramos, Rui M.

20655 | Functional MOF-based materials with the potential as sustainable heterogeneous catalysts

Ferreira, Catarina E.S; Cunha-Silva, Luís; Gomes, Carlos A.R; Balula, Salette S.; Santos-Vieira, Isabel

20901 | Tackling Parkinson's disease by modulation of dopamine receptors using chiral non-proteinogenic melanostatin analogs

Costa-Almeida, Hugo F.; Sampaio-Dias, Ivo E.; Costa, Vera M.; Silva-Reis, Sara C.; Correia, Xavier C.; Pires-Lima, Beatriz L.; Carvalho, Félix; García-Mera, Xerardo

21066 | Chiral derivatives of flavones with potencial antitumor activity: synthesis and structure elucidation

Matos, Adriana; Pinto, Cláudia; Pinto, Madalena; Cidade, Honorina; Tiritan, Maria

Room A5 – Health Sciences V

20409 | Outcomes of a QST protocol in healthy subjects and in chronic pain patients: A controlled clinical trial

Dias, Patrícia; Tavares, Isaura; Fonseca, Sara; Pozza, Daniel H.

20521 | The role of nutritional/food intervention and physical exercise in overweight individuals

Rosa, Inês; Jorge, Nuno; Poínhos, Rui; Ribeiro, José; Pinhão, Sílvia

20631 | Milking dairy products towards hypertension regulation

Macedo, Maria; Soares, Filipa A.; Reis, Salette; Nunes, Cláudia

20711 | Determinants of food consumption in a university context

Gomes, M. Francisca; Vicente, Matilde; Pinto, Maria; Rosa, Inês; Poínhos, Rui; Oliveira, Bruno; Rocha, Ada; Afonso, Cláudia

20726 | FCNAUP student's satisfaction with U. Porto canteens

Lucas, Ana; Sacchetti, Francisca; Silva, Sara; Poínhos, Rui; Oliveira, Bruno; Rocha, Ada; Afonso, Cláudia

20915 | Agreement analysis between dual energy x-ray absorptiometry and bioelectric spectroscopy as methods for estimating body fat content

Rodrigues, Micaela C.; Rodrigues, Mónica; Valdivieso, Rui; Guerra, Rita; Sousa, Ana S.; Mendes, Joana; Sousa-Santos, Ana R.; Silva, Cláudia; Amaral, Teresa F.; Borges, Nuno

21197 | Lbx1 and Tlx3: imposing distinct neuronal fates through phosphorylation

Carvalho, Diana; Dias, Filipa; Reguenga, Carlos

23

10:30 - 11:30 POSTER SESSION

Nr. Arts

- 1 20399 | The real image and the animated image**
Gonçalves, Diana
- 2 20527 | Skills for A Next Generation project: the social role of the design towards inclusion**
Lino, Luísa; Giesteira, Bruno; Peçaiques, Viviane
- 3 20581 | Working with Vision (Ware) - Graphic design in the corporate world**
Lourenço, Maria; Amado, Pedro M.
- 4 20720 | Dynamic brands in the Museological context - A rebranding project for the Linen Museum of Várzea de Calde, Viseu**
Castro, Carolina; Costa, Emília
- 5 20735 | The design of book covers: graphic analysis between translations and reprints of the author Haruki Murakami**
Clemente, Raquel

- 6 **21081 | Minimalism into a concept book: editorial design project about the Silent Living concept and its minimalist approach**
Venâncio, Inês; Modesto, António
- 7 **21179 | Calendar, Grupo Puzzle: Production, destruction and forgetting of an artwork**
Dixo, S.
- 8 **20733 | The power of design expression in mental health field**
Teixeira, Joana; Amado, Paulo

Health Sciences

- 9 **20408 | Risk of eating disorders and social desirability among higher education students: comparison of nutrition students with other courses**
Fernandes, Sandra; Costa, Carolina; Nakamura, Ingrid Sayumi; Poínhos, Rui; Oliveira, Bruno M. P. M.
- 10 **20479 | Patterns of eating behaviour among 13-year-old adolescents and associated factors: findings from the Generation XXI birth cohort**
Nakamura, Ingrid S.; Oliveira, Andreia; Warkentin, Sarah; Oliveira, Bruno M.P.M; Poínhos, Rui
- 11 **20730 | Brewer's yeast as a clean label ingredient for replacement of phosphates in hams**
Tomaz, Samuel A.; Machado Jr., Julio C.; Ferreira, Isabel
- 12 **20820 | Neurobehavioural effects on offspring due to Ketogenic diet**
Resende, Beatriz; Gonçalves, Alexandre; Alves, Inês N.; Leite, Liliana; Morais, Juliana; Moraña-Fernández, Sandra; Araújo, Marília; Charrua, Ana; Falcão-Pires, Inês; Silva, Susana M.
- 13 **21123 | Sociodemographic, lifestyle and anthropometric profile of vegetarian and omnivorous adults: preliminary data from the VEGGIENUTRI project**
Martins, Carina; Rocha, Inês; Pinheiro, Cátia; Giesteira, Liliana; Lucas, Ana; Alexandre, Ana Margarida; Ferreira, Catarina; Amaro, Joana; Amaral, Teresa F.; Costa Leite, João; Negrão, Rita; Keating, Elisa
- 14 **21229 | Eating behaviour and risk of eating disorders in higher education students**
Costa, Carolina; Fernandes, Sandra; Nakamura, Ingrid; Poínhos, Rui; Oliveira, Bruno M. P. M.
- 15 **21239 | Adherence to the Mediterranean dietary pattern**
Monteiro, Ana M.; Rocha, Joana; Silva, Joana S.; Tavares, Maria I.; Afonso, Cláudia; Poínhos, Rui; Oliveira, Bruno M. P. M.
- 16 **21243 | Does gestational diabetes induce changes in neurobehaviour in early postnatal and in young adult offspring?**
Santos, António Miguel; Resende, Rita Portela; Campelo, Inês; Madeira, Maria Dulce; Silva, Susana Maria
- 17 **21254 | Ethics and artificial nutrition and hydration on the terminal patient**
Magalhães, Miguel A.; Duarte, Ivone M.; Silva, Maria P.
- 18 **21267 | Dietary supplements for travellers' diarrhoea**
Marques, Beatriz A.; Sousa, Sara C. C.; Ferreira, Francisco J. C.; Correia, Gabriela O. N.
- 19 **20514 | Analysis of the implementation of an Integrated Responsibility Unit to improve the treatment of obesity in Portugal**
Figueiredo, José M.A.; Preto, John R.; Araújo, Fernando M.F.
- 20 **20689 | Transgenerational high-fat diet mouse model shows elevated expression of obesity-related genes and impaired mitochondrial performance in seminal vesicles**
Rodrigues, Beatriz G.; Pereira, Sara C.; Rato, Luis P.; Braga, Patrícia C.; Bernardino, Raquel L.; Oliveira, Pedro F.; Alves, Marco G.
- 21 **20796 | Compliance of established food/nutritional therapy in a group of overweight patients followed in nutrition consultations**
Mendes Matos, C.; Jorge, N.; Rosa, I.; Poínhos, R.; Ribeiro, J; Pinhão, S.

- 22 **20937 | Lipid metabolism in iron overloaded mice adipose tissue**
Gomes, Ânia; Magalhães, Nisa; Silva, Beatriz; Salazar, Maria; Almeida, Henrique; Duarte, Tiago L.; Silva, Elisabete; Gouveia, Alexandra M.; Rodrigues, Adriana R.
- 23 **20416 | Quantification of antidepressant drugs in patients with suspected psychotropic drug intoxication**
Ramos, Beatriz; Martins, Helena; Reguengo, Henrique; Carmo, Helena; Aragão, Irene
- 24 **20444 | The role of biotics as a therapeutic strategy for oral mucositis - a systematic review**
Furtado, Leonor; Magalhães, Inês; Azevedo, Maria; Sampaio-Maia, Benedita
- 25 **20445 | Contamination by antibiotic resistant bacteria of a water stream and a water drainage reaching Matosinhos beach**
Pereira, Matilde; Ferreira, Helena; Palmeira, Josman
- 26 **20478 | CBD for the treatment of sleep disorders**
Santos, Ivan
- 27 **20492 | Predictors of psychotherapy dropout in patients with borderline personality disorder: A systematic review**
Ferreira, Leonor; Guerra, Cátia; Coelho, Maria
- 28 **20518 | Tunnelling nanotubes as pharmacological targets of tubulin targeting drugs**
Nogueira, Patrícia; Sáňková, Eliška; Silva, Dany; Fernandez-Llimós, Fernando; Gonçalves, Jorge; Fresco, Paula
- 29 **20526 | Novel compounds for lymphoma treatment**
Rocha, Beatriz; Vale, Rosa; Freitas, Renata
- 30 **20548 | The role of lactoferrin in age-related neurodegenerative diseases**
Coccolini, C.; Berselli, E.; Fathi, F.; Oliveira, M.B.; Krambeck, K.; Souto, E.B.
- 31 **20553 | Finding a link between S100B and Transthyretin, two proteins with anti-aggregation properties against A β peptide**
Nascimento, Mariana; Saavedra, Joana; Gomes, Cláudio M.; Cardoso, Isabel
- 32 **20572 | Comparative study of the effect of IQOS[®] aerosols and cigarette smoke on the functional activity of human gingival fibroblastic cells**
Silva, Rafaela; Resende, Marta; Gomes, Pedro; Martins, Ramiro
- 33 **20577 | Synthesis of hydroxyacids required for the formation of new anti-virulent agents**
Costa, M.; Ribeiro, R.; Cravo, S.; Fernandes, C.; Sousa, E.
- 34 **20587 | New P-glycoprotein activators as potential small molecules for the treatment of Alzheimer's disease**
Monteiro, Ana R.; Maia, Miguel; Martins, Márcia; Sousa, Emília; Remião, Fernando; Silva, Renata
- 35 **20608 | Osteosarcoma multicellular spheroids: A tool to screen new therapeutical strategies**
Costa, Sofia M.; Sarmento, Bruno; Pereira, Catarina Leite
- 36 **20626 | Reactivation of mutant p53 to prevent ultraviolet radiation-induced skin damage**
Carvalho, João; Carvalho, Carla; Loureiro, Joana; Barros, Matilde; Soares, Maria I. L.; Pinho e Melo, Teresa M. V. D.; Saraiva, Lucília
- 37 **20666 | Liraglutide impacts mitochondrial performance of mouse Leydig cells in conditions of normoglycemia and hyperglycaemia**
Lopes, Bruno O.; Braga, Patrícia C.; Oliveira, Pedro F.; Alves, Marco G.; Bernardino, Raquel L.
- 38 **20697 | Bleomycin's effects on human sperm motility and vitality *in vitro***
Lobo de Almeida, Ana; Gonçalves, Ana; Barros, Alberto; Sousa, Mário; Sá, Rosália
- 39 **20753 | Dual *in situ* drug delivery system for enhanced bone regeneration: association of bisphosphonates and bone morphogenic protein with bone substitutes**
Rizzo, Andrea; Martin, Victor; Fernandes, Maria Helena; Gomes, Pedro
- 40 **20771 | Design of biomimetic nanoplatfroms derived from fibroblasts' membranes**
Correia, Diogo; Marinho, Andreia; Reis, Salette; Nunes, Cláudia

- 41 **20838 | Design and optimization of Edaravone loaded PLGA-based nanoparticles**
Alfenim, Ana Rita; Aguiar, Brandon; Pinto, Miguel; Borges, Fernanda; Fernandes, Carlos
- 42 **21086 | From farm-to-fork: occurrence of persistent multidrug-resistant and copper-tolerant *Klebsiella pneumoniae* clones in poultry farms**
Magalhães, Mafalda; Ribeiro-Almeida, Marisa; Mourão, Joana; Rebelo, Andreia; Lopes, Diana; Peixe, Luísa; Novais, Ângela; Novais, Carla; Antunes, Patrícia
- 43 **21106 | Evaluation of anti-gene oligonucleotide strategy for targeted shutdown of activated telomerase: a novel therapeutic approach in cancer**
Nogueira, Cláudia; Vinagre, João; Moreno, Pedro M. D.; Soares, Paula
- 44 **21149 | Assessment of antimicrobial resistance spread in surface aquatic systems: a study of four rivers in North Portugal**
Matos, Cátia; Duarte, Bárbara; Rebelo, Andreia; Lopes, Diana; Freitas, Ana R.; Valente, Margarida; Tavares, Carolina; Rodrigues, Juliana; Peixe, Luísa; Antunes, Patrícia; Novais, Carla
- 45 **21249 | Population pharmacokinetic study involving different Salbutamol formulations**
Marques, Lara F.; Vale, Nuno
- 46 **21268 | Multiple-element exposure in a population of school-aged Portuguese children: from health outcomes to preventive tools**
Monteiro, Ana; Fernandes Cruz, Virgínia; Barreiros Mota, Inês; Marques, Cláudia; Teixeira, Diana; Morais, Juliana; Faria, Ana; Azevedo, Rui; Pinto, Édgar; Almeida, Agostinho; Deleure-Matos, Cristina; Azevedo, Luís; Keating, Elisa; Calhau, Conceição; Pestana, Diogo
- 47 **20667 | High-fat diet during early life alters expression of HOXB13 in prostate which imposes a risk for prostate cancer development in the offspring**
Pereira, Mariana; Pereira, Sara C.; Rato, Luís P.; Oliveira, Pedro F.; Alves, Marco G.

Biological Sciences

- 48 **20476 | Rooting test of chestnut cuttings from ColUTAD variety**
Martins, Apolo; Gomes-Laranjo, José; Melo, Paula; Pinto, Teresa
- 49 **20610 | Studying the regulation and impact of iodine supplementation on the root system of *Arabidopsis thaliana***
Giestinhas, Andrea; Lourenço, Tiago; Freitas, Sara; Campilho, Ana; Castro, Pedro
- 50 **20637 | Inventory of small wetlands in Leça River basin in Matosinhos**
Pereira, Sara; Naia, Marisa; Teixeira, José
- 51 **20681 | Characterization of vacuolar trafficking in *Arabidopsis thaliana vti11* and *vti12* mutants under abiotic stress**
Monteiro, João; Neves, João; Pissarra, José; Pereira, Cláudia
- 52 **20740 | Molecular and morphometric analysis on *Quercus suber* L. and *Q. rotundifolia* Lam. and their natural hybrids in Portugal**
Rocha, João; Botticelli, Davide; Campilho, Ana; Oliveira, Paulo; Esteves, Pedro; Muñoz-Pajares, Jesús; Vila-Viçosa, Carlos
- 53 **20744 | Understanding molecular interactions between DE-ETIOLATED 1 (DET1) and CONSTITUTIVE PHOTOMORPHOGENIC 1 (COP1) in plant responsiveness to light**
Pereira, Alexandra; Cañibano, Esther; Rubio, Vicente; Fonseca, Sandra C.
- 54 **20800 | Natural dyes for textile applications**
Linda, Ana; Girão, Mariana; Carvalho, Fátima; Eusébio, Nádía
- 55 **20855 | The effects of inoculation with saline tolerant bacteria on the improvement of plant growth in salty soils**
Djomehri, Sama'a; Mateus, Sonny; Pereira, Ruth; Calheiros, Cristina
- 56 **20861 | Investigation of active microbial communities in the nitrogen cycle in two different soils**
Djomehri, Sama'a; Mateus, Sonny; Lage, Olga; Magalhães, Catarina

- 57 21009 | Insights into the biochemical profile of *Arabidopsis* seedlings under combined abiotic stresses
Garcês, Inês; Sousa, Bruno; Soares, Cristiano; Pereira, Ana Marta; Fidalgo, Fernanda
- 58 21162 | Classic methods enhance modern analysis of Western Iberian Oak forests and predict species turn-over in face of climate change
Soares, Paulo; Vieira, Cristiana; Capelo, Jorge; Vila-Viçosa, Carlos
- 59 21188 | A new approach about the leaves of *Solanum betaceum* Cav: Chemical composition and multimodal effect in the management of inflammatory events
Martins, Raquel; Alves, Ellen; Sabala, Ágata; Valentão, Patrícia; Fernandes, Fátima
- 60 21216 | Ecological Modelling of the Macaronesian-Mediterranean Junipers (*Juniperus* L. Sect. *Juniperus*) and conservation of the near endemic tree *Juniperus navicularis* Gand
Ferreira, Catarina; Gonçalves, João; Arenas-Castro, Salvador; Jiménez, Carlos; Vila-Viçosa, Carlos
- 61 20812 | Atrazine impairs the nutritional support of spermatogenesis by suppressing glycolysis of mouse Sertoli cells
Gomes-Andrade, Daniela; Guerra-Carvalho, Bárbara; Carrageta, David F.; Bernardino, Raquel L.; Oliveira, Pedro F.; Pereira, Maria de Lourdes; Alves, Marco G.

11:30 - 13:00 PARALLEL ORAL SESSIONS VI

Room A1 – Biological Sciences IV

- 21157 | *Gelidium* sp. by-products as a valuable ingredient for European seabass aquafeeds
Labela, António; Magalhães, Rui; Oliveira, Catarina; Oliva-Teles, Aires; Peres, Helena
- 21187 | Prebiotic potential of fermented olive pomace paste - A by-product with potential to promote health and well-being
Araújo, Débora; Palmeira, Josman D.; Mota, Catarina; Alves, Rita; Oliveira, M. B. P. P.; Ferreira, Helena
- 20695 | Exploring the potentialities of strawberry tree fruits from Natural Park of Montesinho - A first screening
Lamas, Mariana; Silva, Ana Margarida; Amaral, Maria Helena; Delerue-Matos, Cristina; Fernandes, Virgínia Cruz; Rodrigues, Francisca
- 20554 | Ultrasound-assisted extraction of goji berries: Bioactive composition and pro-healthy properties
Teixeira, Filipa; Silva, Ana Margarida; Delerue-Matos, Cristina; Rodrigues, Francisca
- 21055 | *Solanum betaceum* Cav. Leaves: an open door for antidiabetic properties discovery
Martins, Raquel; Valentão, Patrícia; Fernandes, Fátima
- 20500 | Development of gluten-free bread with flaxseed oil cake: A comprehensive study on technological, and nutritional properties, and sensory quality evaluation
Oliveira, D.; Krupa-Kozak, U.; Bączek, N.; Ferreira, I.M.P.L.V.O.; Pinto, E.

Room A2 – Engineering IV

- 20793 | Synthetic fuels or valued chemicals production from biogas - A thermodynamic study
Teixeira, Ana; Soria, Miguel A.; Madeira, Luís M.
- 20480 | Catalysts for the conversion of molasses into value-added products
Gonçalves Reis, Ana Isabel; Eblagon, Katarzyna Morawa; Pereira, M. Fernando
- 21163 | Photocatalytic synthesis of aromatic aldehydes using g-C₃N₄ immobilized on LED-NETmix photoreactor
Carneiro, Rafael C.; Lopes, Joana C.; Faria, Joaquim L.; Silva, Cláudia G.
- 20574 | Carbon nitride materials for the H₂O₂-assisted photocatalytic degradation of pharmaceuticals
Tavares, Thalita; Torres-Pinto, André; Silva, Adrián M.T.; Silva, Cláudia G.; Faria, Joaquim L.

27

20606 | Hydroxyapatite pickering emulsions as a promising template for edible sauces
Relvas, Maria E.; Ribeiro, Andreia; Martins, Isabel; Barreiro, Maria F.; Dias, Madalena M.

20712 | Evaluation of the effect of Fosfomycin incorporated grafts in the prevention of vascular grafts infections
Cruz, Inês; Monteiro, Cláudia; Martins, M. Cristina

Room A3 – Arts II

20636 | After the sea: the pewter collection in Esposende
Frias-Bulhosa, Elisa M. G. T.

21192 | Beauty destroyed: Viewing art in face of (its) destruction
Barroso, Alexandra

21286 | EUROPALIA 1991 PORTUGAL. National identity and cultural diplomacy - a case study of the Museu Nacional Machado de Castro collection
Remelgado, Bruna R. S.

21214 | A practical case study of zincography in the Portuguese context
Prudente, Artur dos S.; Machado, Graciela

Room A4 – Chemistry III

20560 | Impact of deposition parameters on the coalescence stage of thermally evaporated ionic liquids
Carvalho, Rita; Neto, Cândida; Santos, Luís; Bastos, Margarida; Costa, José

20668 | Thermodynamic study of 9-phenylacridine by calorimetry
Mbelela, Nelson M.C.C.; Mendes, Joaquim M.I.; Freitas, Vera L.S.; Ribeiro da Silva, Maria D.M.C.

20895 | Thermophysical properties of bathophenanthroline: A multitechnique approach
Silva Ferraz, José M.; Ciccio, Andrea; Vecchio Ciprioti, Stefano; Freitas, Vera L.S.; Ribeiro da Silva, Maria D.M.C.

20797 | Smart textiles for the production and storage of energy from human residual heat
Ayala Esmoris, Francisco J.; Teixeira, Joana S.; Costa, Rui S.; Nunes, Marta S.; Pereira, André M.; Pereira, Clara R.

20807 | The effect of diabetes in the endothelial membrane: a biophysical study
Fernandes, Inês; Reis, Ana; De Freitas, Victor

21070 | Stimuli-sensitive nanovectors based on bio-inspired photosurfactants for intracellular delivery of anti-cancer drugs
Santos, Filipa L.; Moreira, Dmitriy X.; Basílio, Nuno; Marques, Eduardo

21087 | Stimuli-responsive hybrid polymer/lysine-based hydrogel for topical applications
Loureiro, Elsa M.; Machado, Rui L.; Gomes, Andreia C.; Marques, Eduardo F.

Room A5 – Health Sciences VI

20946 | What is the evidence for dietary and nutritional interventions in ADHD?
Pinto, Sofia; Correia-de-Sá, Teresa; Sampaio-Maia, Benedita; Vasconcelos, Carla; Moreira, Pedro; Ferreira-Gomes, Joana

20960 | Hedonic hunger and food intake in patients undergoing bariatric surgery
Barc, Mariana; Magalhães, Maria; Valado, Vanessa; Folzi, Camilla; Oliveira, Bruno; Poínhos, Rui; Correia, Flora

21172 | Determinants of students' use of food consumption resources available at the University of Porto
Nova, Lúcia; Poínhos, Rui; Oliveira, Bruno; Rocha, Ada; Afonso, Cláudia

20857 | Metaverse platforms for socialization and communication of science on respiratory health
Bonini, Eduardo C.; Sá-Sousa, Ana; Reis, António B.; Costa, Emília D.

21098 | 3D Printing of decellularized ECM and graphene hybrid hydrogels for cardiovascular applications

Santos, Joana N.; Pereira, Rúben F.; Kiss, Herbert; Schneider, Karl H.; Gonçalves, Inês C.; Pereira, Andreia T.

14:30 - 16:00 PARALLEL ORAL SESSIONS VII

Room A1 – Biological Sciences V

21026 | Characterization of cardosins PSIs expression and sorting pathways in *Arabidopsis* under stress

Moura, Inês; Séneca, Ana; Pereira, Susana; Pissarra, José; Pereira, Cláudia

21184 | *Cynara cardunculus* PSIs form homo and/or heterodimers depending on the pH

Santos, Sofia; Sampaio, Miguel; Pereira, Susana; Pissarra, José; Pereira, Cláudia

20786 | Combined and individual toxicity of glyphosate and copper in tomato plants (*Solanum lycopersicum* L.)

Santos, Bruno; Sousa, Bruno; Fidalgo, Fernanda; Soares, Cristiano

20870 | Histochemistry and electron microscopy of the palps from the polychaete *Hediste diversicolor* (Müller, 1776)

Almeida, João C.; Lobo-Da-Cunha, Alexandre; Alves, Ângela; Antunes, Carlos; Costa, Dimitri A.; Rocha, Sónia

21040 | The impact of polychaeta meal (*Alitta virens*) on European seabass acute stress response

Silva, João; Costa, Rafaela; Monteiro, Marta; Kousoulaki, Katerina; Valente, Luísa

20704 | Molecular characterization of thyroid tumours of dogs - a multicentric Portuguese series

Monteiro, Alexandra; Gaspar, Tiago B; Pinto, Mafalda; Teixeira, Elisabete; Pires, Isabel; Paula, Soares; Tavares, Catarina

Room A2 – Engineering V

20407 | Development of a knee positioning system for X-Ray environment

Lopes, Catarina; Mendes, Joaquim; Vilaça, Adélio; Rocha, Cláudia

21200 | Extraction of information theory-based indices from fetal-maternal heart rate simultaneous signals

Gomes, Ana Filipa; Castro, Luísa; Henriques, Teresa

20659 | Mucoadhesive nanoparticles for the nose-to-brain delivery of gemcitabine for glioblastoma therapy

Serra, Érica; Loureiro, Joana A.; Ramalho, Maria João; Pereira, Maria Carmo

20780 | Tumour-targeting nanoparticles for glioblastoma therapy with antioxidant compounds

Alves, Bruna; Loureiro, Joana A.; Ramalho, Maria João; Pereira, Mario Carmo

21077 | Polymeric nanoparticles for the delivery of a non-alkylating agent for glioblastoma therapy

Gomes, Mariana T.G.; Loureiro, Joana A.; Ramalho, Maria João; Pereira, Maria Carmo

21131 | Exploring the antimicrobial properties of light-activated graphene-containing hydrogels

Morim, Maria M.; Brites, Ana; Rocha, Jaqueline; Pereira, Andreia T.; Pereira, André T.; Ferreira, Margarida; Monteiro, Catarina S.; Frazão, Orlando; Henriques, Patrícia C.; Gonçalves, Inês C.

Room A3 – Chemistry IV

20773 | Computational modelling of electrodes for lithium-ion batteries

Dias, Raul; Magalhães, Alexandre

20810 | Atomistic MD simulations of adsorption of greenhouse gases in magnetic ionic liquids

Fonseca, Andreia P.; Figueiredo, Nádia M.; Voroshylova, Iuliia V.; Cordeiro, M. Natália D. S.

29

20729 | To dimerize or not to dimerize: A computational study of sPLA2 in vipers' venom
R. da Silva, Joana; N. de Oliveira, Ana; Ramos, Maria João; A. Fernandes, Pedro

20845 | Development of polymeric nanoparticles to ameliorate catechol-O-methyltransferase inhibitor induced hepatotoxicity
Machado, Cláudia; Pinto, Miguel; Aguiar, Brandon; Barreiro, Sandra; Borges, Fernanda; Fernandes, Carlos

21029 | Electron correlation in aromatic molecules: Analysis of conjugation in naphthalene and fluorene derivatives
Dias, Nuno A. S.; Lima, Marco A. L.; Oliveira, Ana L. M.; Santos, Luís M. N. B. F.; Lima, Carlos F. R. A. C.

20979 | Pyrrolidine-fused chlorin conjugated gold nanoparticles for photodynamic therapy
Machado, Juliana; Almeida, José; Peixoto de Almeida, Miguel; Enea, Maria; Pereira, Eulália; Silva, Ana M. G.

20539 | Searching for new antifungals to combat the multidrug resistant fungi
Teixeira, Melissa; Carvalho, Diogo; Pinto, Eugénia; Sousa, Emília

Room A4 – Sport Sciences I

20430 | Influence of temperature on mechanisms inducing post-activation potentiation: a randomized study
Ferreira, Joana P.; Vila Chã, Carolina J. F.; Fonseca, Pedro F. P.; Correia, Miguel F. P. V.; Conceição, Filipe A. V.

20455 | Effects of fatigue on ground reaction forces in long-distance runners: An analysis of protocols and risk of bias
Silva, Mayara; Conceição, Filipe; Neves, José Afonso

20640 | Post half-squat CMJ potentiation in sprint and jump male athletes
Vila, Berenice; Sousa, Filipa; Conceição, Filipe

21015 | Polarized or threshold training: Is there a superior training intensity distribution to improve VO₂max and endurance capacity in Wistar Han Rats?
Oliveira, Pedro; Novais, António; Fonseca, Hélder

21045 | Does adding high intensity exercise to an aerobic training intervention significantly increases skeletal muscle mass?
Novais, António; Oliveira, Pedro; Fonseca, Hélder

21156 | Does ACL reconstruction with hamstring tendon autograft predisposes to a knee valgus alignment on initial contact during landing? A drop vertical jump movement analysis
Andrade, Daniel; Fonseca, Pedro; Sousa, Filipa; Gutierrez, Manuel

Room A5 – Health Sciences VII

20590 | Analysis and comparison of diagnostic laboratorial tests of patients with Primary Ciliary Dyskinesia
Brito, Maria; Barbosa, Telma; Magalhães, Manuel; Alves, Sandra; Ferreira, Edite; Sanches, Inês; Santos, Tiago; Dias, Catarina; Oliveira, Elsa; Alves, Ângela; Sá, Rosália; Melo, Paula; Sousa, Mário; Pereira, Rute

20601 | Evaluation of stereochemical stability and enantioselectivity of MDPV enantiomers on SH-SY5Y human neuronal cells
Almeida, Ana Sofia; Silva, Bárbara; Silva, João Pedro; Remião, Fernando; Fernandes, Carla

20618 | Investigation of mitochondrial pyruvate carrier inhibition as a therapeutic approach for Huntington's disease
Oliveira, Ângela; Almeida, Liliana M.; Silva, Lurdes; Pinho, Brígida R.; Oliveira, Jorge M. A.

20849 | New mitochondria-targeted hydroxycinnamic and hydroxybenzoic acids derivatives as innovative agents for the treatment of Parkinson's disease
Costa, Inês; Benfeito, Sofia; Silva, Vera; Cagide, Fernando; Borges, Fernanda; Remião, Fernando; Silva, Renata

20973 | Development of new stable catechin formulations for cognitive development enhancement

Alves, Tiago; Teixeira, Natércia; Souza, Hiléia; Fernandes, Iva; De Freitas, Victor; Amaral, Helena

21171 | The integrated stress response activation as a novel mechanism of striatal vulnerability in Huntington's disease

Almeida, Liliana M.; Martins, Vasco; Pinho, Brígida R.; Oliveira, Jorge M. A.

16:00 - 17:00 POSTER SESSION

Nr. **Sport Sciences**

- 1 **20792 | Exploring young athletes' perceptions about their talent development environment: The relative importance of contextual factors**
Luís, M.; Noval, F.; Corte-Real, N.; Dias, C.
- 2 **20894 | Parental influences throughout the long-term development of highly skilled and less skilled volleyball players**
Vieira, M.; Mesquita, I.; Coutinho, P.
- 4 **20897 | From parents' reflected appraisals and significant others support behaviours to perceived competence and sport values: A multi-sport study**
Rocha, Filipa; Oliveira, Inês; Gonçalves, Mariana; Corte-Real, Nuno; Dias, Cláudia
- 5 **20950 | Examining the relationship between achievement goals, perceived motivational climate, and emotional outcomes in adolescent team sports players**
Azevedo, Jéssica; Lima, Giovanna; Corte-Real, Nuno; Dias, Cláudia
- 6 **20962 | Does age is associated with a poor cognitive function, attention, and reaction time in older adults with dementia?**
Matos, Ilda P.; Silva, Cátia; Vasconcelos, Maria O.; Bohn, Lucimere
- 7 **21011 | The reaction time of football goalkeepers measured through tasks in and out the pitch**
Lopes, Pedro F.; Carvalho, Gabriel P.; Silva, Francisco J.; Pereira, Josué F.
- 8 **21018 | Weightlifting: aesthetic vision on morphotype**
Sousa, Ricardo; Zueva, Julia; Ferreira, Francisco; Lacerda, Teresa O.
- 9 **21033 | Can an inter-task verbal feedback change breaststroke kinematics and efficiency at a sprint pace?**
Domingues, Luana; Santos, Catarina C.; Ferreira, Francisco; Soares, Susana; Vilas-Boas, João Paulo; Fernandes, Ricardo J.; Costa, Mário J.
- 10 **21056 | Age- and sex-differences in musculoskeletal fitness in 6-to-10 years old children: the RUSH study**
Batista, Leticia; Gomes, Priscyla; Garbeloto, Fernando; Pereira, Sara; Santos, Carla; Pacheco, Matheus; Farias, Cláudio; Guimarães, Eduardo; Garganta, Rui; Vasconcelos, Olga; Tani, Go; Maia, José
- 11 **21083 | Changing physical education curriculum into the development of an individual understanding of "being Fit"**
Maia, Cristiana; Silva, Ana Mafalda; Fonseca, Manuela; Batista, Paula
- 12 **21097 | Differences in force profile between Big blades with and without Randall foils**
Romão, Rodrigo; Cardoso, Ricardo; Goethel, Márcio; Gomes, Beatriz; Vilas-Boas, João Paulo; Fernandes, Ricardo J.
- 13 **21128 | Evaluation of the multidisciplinary intervention (nutrition and physical exercise) in an outpatient consultation setting in a group of overweight individuals**
Jorge, N.; Mendes Matos, C.; Rosa, I.; Oliveira, BPM.; Poínhos, R.; Ribeiro, J.; Pinhão, S.; Teixeira, C.

31

- 14 **21130 | Anthropometric evolution and physical profile in a group of overweight individuals followed in nutrition consultations**
Jorge, N.; Mendes Matos, C.; Rosa, I.; Oliveira, BPM.; Poínhos, R.; Ribeiro, J.; Pinhão, S.; Teixeira, C.
- 15 **21167 | Differences on the reaction time of young swimmers and basketball players**
Leão, Joana
- 16 **21180 | Which constraints influence the participation level of physical education (PE) students in football?**
Carvalho, Leandra; Batista, Paula; Cunha, Paulo; Ribeiro, João; Barreira, Daniel
- 17 **21236 | The influence of psychological pressure on dribbling performance**
Gomes, Patrícia; Moreira, Maria M.; Kiyam, Melina; Carvalho, Diogo; Vasconcelos, Olga; Pacheco, Mateus
- 18 **21256 | Aesthetics of football and the relationship athlete-ball: a visual essay through image analysis**
Zapata, David A.; Santos, Rui; Lacerda, Teresa O.
- 19 **21258 | Effect of a hydrogym session on blood pressure of people recovered from COVID-19.**
Miranda, Edilson Davi Sena.; Alves, Jhennifer Carolina de Almeida.; Zata, Danieli.; Gurginsk, Renata Neli Moreno.; Francisco, Paula Soares.; Mikuni, Thaymara.; Prado, Alexandre Konig Garcia.
- 20 **21270 | Comparison of offensive performance indicators based on final match status of the champion team in Brazilian men's football championship 2021 teams**
Fontes, Adauton; Padilha, Maickel; Bagatin, Rafael
- 22 **21277 | Exploring the interplay between sport anxiety and tactical knowledge in athletic performance: Insights from a study on male adolescent Portuguese players**
Hawasly, Jonathan; Bagatin, R. T.; Corte Real, N; Barreira, D.; Dias, C.
- 23 **21280 | Effects of an exercise program based on the Pilates method, applied to school adolescents, on spine alignment, trunk strength, and flexibility**
Tavares, Daniel R. P.; Pizarro, Andrea I. N.; Alves, Maria E. M.; Yung, Leonardo S. M.; dos Santos, Miyuki R.; Flores, Ariane E.; Bezerra, Andrea

Humanities and Social Sciences

- 24 **20919 | Thematic routes as an institutional science communication strategy: The GreenUPorto's case study**
Barros, Bárbara; Oliveira, Sofia S.; Pereira, Ruth
- 25 **20415 | Changing or not the timbre of the stressed vowel in metaphorical plurals in EP**
Almeida, Andreia
- 26 **20427 | Explicit teaching of the lexicon in pre-reading stage and textual comprehension: a didactic experience**
Correia, Miguel
- 28 **21046 | "Europeaness" in the Eurovision song contest: the new standard of 'Civilization'?**
Ramos, Pedro M.
- 29 **21183 | Satire, information and campaign: a historical and visual analysis of Russian posters from 1917**
Valença, Ana C.; Yoshida, Vitória A.
- 32 **20617 | The importance of public green spaces for recreation and leisure in the health and well-being of children and the elderly**
Silva, Eduardo A.; Silva, João S.; Esteves, Ricardo B.
- 33 **21004 | Difficulty in accessing housing in the parish of São Mamede de Infesta and Senhora Hora**
Ferreira, Rui P. P; Sousa, Miguel A.; Barbosa, Marcos A.R; Pereira, Susana; Madureira, Helena; Teixeira, José

- 35 20596 | **The perspective of prostitution in the 19th century in Portugal**
Camões, B.
- 36 20599 | **Alexandre Rodrigues Ferreira's scientific expedition to Brazil (1783-1792): perception and analysis of local communities**
Costa, Rita A. Ferreira
- 37 20694 | **The royal entry of D. Manuel I in Lisbon, in 1521, as a space for sociability and the construction of a common imaginary**
Amorim, David
- 39 20751 | **Malagueira as a 20th-century heritage: Reflections on the process of classification of the neighbourhood in Évora**
Rodrigues, Marina
- 40 20467 | **O Homem Duplicado and "Quem Porfia Mata Caça": Interartistic relations within Saramago's novel**
Barroso, Rita
- 41 20604 | **Unravelling the unique features of Japanese travel literature through Matsuo Bashō's haikus: A comparative perspective**
Nogueira, Jade G. C.
- 42 21084 | **Jane Austen and the forgotten hybrid genre: Pride and Prejudice in photonovel**
Meiros, Ana
- 43 21120 | **Women and authorship in 17th Century Portugal: D. Feliciano de Milão's "Carta de Refutação" as an important piece of the puzzle**
Alves Silva, Vítor
- 44 21215 | **Jorge de Sena and Björk: The delimitations of erotic speech in the arts**
Jofilsan, Victor

Psychology

- 45 20439 | **Zoom Fatigue: visual image self-perception and other aspects of video calls**
Teixeira, António F.; Alves, Hélio; Andrade, José P.
- 48 20772 | **On the birth of a mother in a migratory context: Brazilian experiences**
Correa, Maria C. E.
- 50 21134 | **Online narrative group intervention with caregivers of people with hereditary ataxia: evaluation of participants' experience and impact on family functioning**
Lima, Ana F.; Morais, Marina; Mendes, Álvaro; Paneque, Milena
- 51 21225 | **Transition to a leadership position: Phases, challenges and its impact on well-being**
Duarte, Filipe
- 52 21271 | **The use of social networking sites and non-suicidal self-injury among children and adolescents: A systematic review**
Spínola, Luís G.; Calaboiça, C.; Carvalho, Irene P.
- 53 20473 | **Why do you think their family is poor? Exploring the causal attributions of poverty in middle childhood**
Tavares, Rita; Guichard, Sofia; Assis, Amanda; Dias, Carla; Romano, Bárbara; Rocha, Beatriz; Gomes, Rafaela; Alves, Diana; Cadima, Joana

Engineering

- 54 20898 | **Characterization of new biosurfactants for textile applications**
Beiral, Ana R.; Costa, Fernanda; Lemberg, Olena; Eusébio, Nádía
- 55 20906 | **Recycling polyurethane and thermoplastic urethane waste from external prostheses for the manufacture of filaments for 3D printing**
D'Orey L., Daniela; Lino A., F. Jorge

- 56 **20938 | Photo-assisted production of hydrogen using graphitic carbon nitride immobilized on a 3D printed structure**
Oliveira, Ricardo A.; Alves, Yaidelin A.; Silva, Cláudia G.; Faria, Joaquim L.; Sampaio, Maria J.
- 57 **20980 | Vulnerability of biopolymer-matrix composites to environmental factors**
Pinto, Rui B. M.; Miranda, Mário R. D.; Carneiro, Rodrigo D.; Miranda Guedes, Rui
- 59 **20998 | Life cycle assessment of a seamless piece of clothing from a Portuguese textile company**
Mota, Beatriz Ribeiro; Mata, Teresa; Soares, C.; Martins, António Areosa
- 60 **21002 | Life cycle assessment of a nightwear apparel**
Lapa, Rúben Joukes; Mata, Teresa; Soares, C.; Martins, António Areosa
- 61 **21017 | 3D-printing of magnetic particles containing hydrogels for smart drug release combined with cancer phototherapy**
Silva, Filipa R.; Magalhães, Fernão D.; Pereira, Rúben F.; Pinto, Artur M.
- 62 **21053 | Optimization of dissimilar single-lap joints bonding multimaterial adherends with thermal residual stresses**
Pires, Vasco D.C.; Carbas, Ricardo J.C.; Marques, Eduardo A.S.; Silva, Lucas F.M.
- 63 **21054 | Mechanical characterization of a novel silane based polyurethane hybrid flexible adhesive**
Rodrigues, Vasco Couto; Marques, E.A.S.; Carbas, R.J.C.; Youngberg, M.; Dussaud, A.; da Silva, L.
- 64 **21062 | Characterisation of the antibacterial behaviour of Cu-alloyed cast stainless steels with ageing treatment**
Mota, Carlos Diogo; Freitas, F.; Ferraz, M. P.; Ribeiro, L. M. M.; Moreira, A. B.
- 65 **21095 | Mitigation and treatment of acid mine drainage using GEOTUBE® technology**
Gomes, Miguel; Morais, João; Vila, M. Cristina; Avidos, Jorge
- 66 **21099 | Production of composite coatings by laser cladding using WC Powder and Inconel 625 Wire: Response surface methodology optimization**
Alves, Mariana; Freitas, F.M.; Ribeiro, B.L.; Barbosa, M.; Hilling, H.; Sequeiros, E.W.
- 67 **21114 | Data reconstruction for fisheries analysis**
Nogueira, Brenda K.C.; Menezes, Gui M.; Moniz, Nuno
- 68 **21121 | Imbalanced multi class classification with concept drift**
Pinto, José; Guimarães, Nuno; Figueira, Álvaro
- 69 **21122 | The effect of graphene-based composites on the inhibition of single- and multi-species biofilms by uropathogenic bacteria**
Vieira, Rita; Teixeira-Santos, Rita; Gomes, Luciana C.; Soares, Olívia S. G. P.; Mergulhão, Filipe J. M.
- 70 **21161 | Analysis of cardiac and respiratory signals in the detection of neonatal sepsis**
Dias, Miguel; Sarmiento Henriques, Teresa; Castro Guedes, Luísa
- 71 **21257 | Magnetic hyperthermia studies in tumour cell applications**
Lopes, Ana Rita; Castelo-Grande, Teresa; Barbosa, Domingos; Augusto, Paulo A.; Gomes, Lobinho

34

17:00 - 18:30 PARALLEL ORAL SESSIONS VIII

Room A1 – Biological Sciences VI

20795 | Zebrafish as a model to study Amyotrophic Lateral Sclerosis

Oliveira, Nuno A. S.; Oliveira, Sabrina F.; Pinho, Brígida R.; Oliveira, Jorge M. A.

20955 | Study of susceptibility to *Perkinsus olseni* on three commercial clam species

Moreira, Mafalda S.; Estevão, João; Sousa, Joana; Guévelou, Eric; Cruz Andreia; Fernández-Boo, Sergio

20830 | Profiling the developmental toxicity of cannabinoids in zebrafish embryos
Chaves-Neves, Inês; Pinho, Brígida R.; Correia-da-Silva, Georgina; Oliveira, Jorge M. A.

20727 | The Ghrelin Gene in Sperm whale (*Physeter macrocephalus*): A mutational validation assessment
Silva, Nádia; Valente, Raul; Ruivo, Raquel; Castro L.; Filipe C.

20932 | Can atorvastatin and 17 α -ethinylestradiol disrupt lipid pathways in brown trout?
Lourenço, Tiago; Madureira, Tânia V.; Rocha, Maria João; Rocha, Eduardo

20593 | Identification and production of immunogenic antigens targeted by vaccination against neosporosis
Ferreira, Juliana; Pires, Luís; Ferreira-da-Silva, Frederico; Fonseca, Fátima; Cardoso, Cláudia; Osório, Hugo; Vilanova, Manuel; Correia, Alexandra

Room A2 – Literary, Cultural and Language Studies I

20531 | Agrippa's *declamatio* in defending women's cause
Gomes, Cristina Vila; Pereira, Belmiro

21037 | Saint and warrior: Representations of King Sebastian in Camões' lyric and epic poems
Sanches, Ariana

20611 | Political challenges in contemporary literature: new approaches of literary and social engagement in the work of authors Annie Ernaux and Chahdortt Djavann
Coelho, Ana Beatriz

20563 | Masculinity and marriage in Auto dos Enfatriões
Silva, Carlos

20633 | "Movens" and "efficiens": the concept of causality in Aquinas' First Way
Costa, Gonçalo

20928 | Passive constructions in European Portuguese and Mandarin
Jingnan, Cao

20597 | Grammatical descriptions of verbal reduplication in Nheengatu and Tsonga: the first steps for a typological description
Granja, Fábio B.; Vital, Átila

Room A3 – Psychology and Education Sciences III

20982 | How context and children's characteristics promote the child's right to participation
Miranda, Filipa; Barbosa-Ducharne, Maria; Soares, Joana

20405 | Family functioning pre and post-paediatric cancer: A qualitative approach
Castro, Cristiana; Grande, Catarina

20974 | Adoptee- and adopter-related predictors of adoption (in)stability
Henrique, Beatriz; Soares, Joana; Barbosa-Ducharne, Maria

20568 | The relationship between perceived stress and marital quality in remarriage families
Silva, Elisabete J.G.; Santos, Carina; Mariana, Martins V.

20851 | Breakup adjustment: The impact of self-differentiation and fear of intimacy
Castro, Inês; Fernandes, Joana; Martins, Mariana V.

21078 | The social representations of the internet in education in Cabo Verde: The case of three secondary schools in the city of Praia
Gomes, Lucilene

Room A4 – Sport Sciences II

20673 | The perceptions of youth male football technical coordinators on players' long-term developmental pathways and pedagogical approaches to training
Lenha, João; Garganta, Júlio; Mesquita, Isabel; Coutinho, Patrícia

20684 | The effects of three years of regular training and competition on selected and non-selected adolescent basketball players' skill development. The INEX study

Ribeiro, Simão; Pereira, Sara; Maia, José; Guimarães, Eduardo

20816 | Association between physical fitness and cognitive function among older adults' users of day centres with suggestive major neurocognitive disorder

Silva, Cátia; Matos, Ilda; Miranda, Leonor; Bohn, Lucimere

21138 | Gender differences in Functional Movement Screen patterns in older adults

Holderbaum, Leonardo; Santos, Carla; Geremia, Simone; Pizarro, Andreia

21235 | Fear of failure in competitive sports among youth athletes: A study on the role of self-control and coping

Moreira, Maria M.; Gomes, Patrícia; Kiyam, Melina; Sofia, Rui; Almeida, Maria J.

Room A5 – Health Sciences VIII

20522 | Comprehensive assessment of environmental fungus-reactive T cells response in hypersensitivity pneumonitis patients

Santos, Rita F.; Coelho, Andreia L.; Rufo, João C.; Coelho, David; Gonçalves, Melany; Gonçalves, Samuel M.; Cunha, Cristina; Carvalho, Agostinho; Delgado, Luí-s; Morais, António; Saraiva, Margarida; Novais-Bastos, Hélder

20613 | Post-COVID-19 symptom burden and recovery: a longitudinal study

Gomes, Mariana; Severo, Milton; Sarmento, António; Tavares, Margarida; Leão, Teresa

20682 | Identification of Serotransferrin modifications in Hereditary Hemochromatosis patients and healthy subjects

Ramos, Eduardo; Porto, Graça; Rangel, M^a Conceição; Silva, André M.N.

20688 | Portuguese literacy regarding infertility and assisted reproduction techniques

Nogueira, Tiago; Ferreira, Luís; Leite, Maria Manuela; Sousa, Mário; Sá, Rosália

21186 | Importance of climate change manifestations and urban green areas on the potential expansion of ixodid vectors

Barbosa, Rui; Monteiro, Ana; Freitas, Marisa

36

Sexta-feira, 12 de maio | May, 12th, Friday

08:00 - 18:30 Secretariado a todos os participantes/ *Secretariat for all participants*

09:00 - 10:30 PARALLEL ORAL SESSIONS IX

Room A1 – Health Sciences XII

20629 | Antimicrobial and antibiofilm effect of phytochemicals as a potential treatment against healthcare-associated infections

Sousa, Mariana; Afonso, Ana Cristina; Teixeira, Lília Soares; Borges, Anabela; Saavedra, Maria José; Simões, Lúcia Chaves; Simões, Manuel

20881 | Interactions between microorganisms and siderophores for biocontrol of fish pathogens in aquaculture industry

Sousa, Ana C.; Resende, Diana I. S. P.; Almeida, Diana B; Magalhães, Catarina; Mucha, Ana P.; Fernandes, Joana P.

21006 | Bioprospection of antibiotics and biofilm inhibitors from under-exploited filamentous fungi

Correia, João; Borges, Anabela; Simões, Manuel; Simões, Lúcia C.

21119 | Bioprospecting marine actinobacteria for the discovery of new antibiotics

Sousa, Isabel; Costa, Paulo M.; Carvalho, Maria F.; Rodrigues, Inês C.

21142 | Plant products as resistance-modifying agents to recycle old antibiotics

Massano, Francisca; Sousa, Mariana; Borges, Anabela; Simões, Manuel

21176 | Exploring the presence of probiotic bacteria in the oral cavity

Cardoso Baptista, Manuel; Campos, Carla; Correia de Sá, Teresa; Ferreira-Gomes, Joana; Sampaio-Maia, Benedita; Costa, Carolina

Room A2 – Biological Sciences VII

21234 | Metformin induced epigenetic changes in zebrafish embryos

Cunha, Beatriz; Barros, Susana; Santos, Miguel M.; Neuparth, Teresa

20511 | Cooperation between BRCA2 and the Spindle Assembly Checkpoint for embryo survival in *Caenorhabditis elegans*

De-Castro, M.J.G; Sousa, M.F.S; Fonseca, L.; Dantas, T.J.; Abreu, C.M.C.

21150 | A novel lentivirus system to decode the non-coding DNA associated with Type-2 Diabetes risk

Nogueira, João; Ferreira, Fábio J.; Eufrásio, Ana; Macedo, Rui; Cruz, Mariana; Bessa, José

20948 | Combining stereology and cytology for prognostication of canine cutaneous mast cell tumours

Azevedo, G.; Lopes, C.; Caniatti, M.; Marcos, R.; Santos, M.

21051 | Optimisation of an intranasal immunisation protocol against toxoplasmosis using *Toxoplasma Gondii* membrane antigens

Ribeiro, Ana Rita; Teixeira, Daniela; Brito, Carina; Vilanova, Manuel; Correia, Alexandra; Borges, Margarida

Room A3 – Maths & Astronomy

21147 | Estimation of the dispersion parameter in generalized linear mixed count models

Miranda, Rui; Gaio, Rita; Pinto, Alberto

21206 | Modelling the length of stay in the Paediatrics Department in CHUSJ

Cordeiro, Daniel; Peleteiro, Bárbara; Azevedo, Ana; Gaio, Rita

21031 | Agreement between imputed values obtained by multiple imputation

Oliveira, Mafalda I. T.; Santos, Susana; Gaio, A. Rita P.

20933 | Can deep learning help us to unveil LAEs through broadband filters?

Cerqueira, Bruno; Fonseca, José; Humphrey, Andrew; Paulino-Afonso, Ana

20967 | Boosting LAEs identification and characterization

Vale, Afonso; Fonseca, José; Humphrey, Andrew; Paulino-Afonso, Ana

20561 | Quantitative constraints on modified gravity paradigms

Pinto, Samuel R.; Cabral, Adrian M.; Martins, Carlos J. A. P.

Room A4 – Heritage Studies I

20485 | Historic Architecture of Porto: A project of communication and valorisation

Silva, Ana J.

21242 | Urbanism in Brazil Empire (1822-1889): reflections from the plans of the cities of Teresina and Aracajú

Faustino De Oliveira, Erysson

20889 | Aeneas transporting his father Anchises and the Penates followed by the Young Ascânio: analysis of a seventeenth-century sculpture

Dias, Francisca

21139 | The Art of Forgery

Pamplona, Clarisse R.

Room A5 – Health Sciences IX

21169 | Associated factors related to self-perception of health status among University of Porto students

Nova, Lúcia; Coelho, Beatriz Cidade; Poínhos, Rui; Oliveira, Bruno; Rocha, Ada; Afonso, Cláudia

21275 | Content validity of a patient reported experience measure for patients with rheumatoid arthritis in Portugal

Raíno, Raquel; Oliveira, Daniela; Bernardes, Miguel; Vaz, Carlos; Costa, Lúcia; Fonseca, João A.; Jácome, Cristina

21285 | Revisiting the biomarkers for Coronary Artery Disease and Stroke using a bioinformatics perspective

Dias, Paula; Trindade, Fábio; Vitorino, Rui

10:30 - 11:30 POSTER SESSION

Nr. Astronomy

1 20653 | Numerical Simulations (HD and MHD) of planetary winds in the vicinity of stellar winds emanating from their host stars

Falorca, Anselmo J. G.; Lima, João J. G.; Frank, Adam

Maths

2 20487 | Spectral Curves and Moduli Spaces of Higgs Bundles

Pereira, Rodrigo

3 20621 | Metaheuristics for finite automata minimization

Tavares, Hugo; Pedroso, João P.; Reis, Rogério

Health Sciences

5 20567 | Potential impact of mites on public health: Distribution and identification of mites associated with invasive insect red palm weevil (*Rhynchophorus ferrugineus*) in Northern Portugal

Oliveira, João; Matos, Inês; Silva, Diogo; Sousa, José Américo; Rangel, Luís Filipe; Santos, Maria João; Ayra-Pardo, Camilo

6 20647 | Covid-19 mitigation measures in primary schools: a description and impact evaluation

Marques, M^ª Gabriela; Ramos, Elisabete; Amorim, Mariana

7 20721 | The role of pro-resolving mediators in the decidual reaction and pregnancy

Guedes-Sousa, Luísa; Correia-da-Silva, Georgina; Rebelo, Irene; Fonseca, Bruno M.

8 20777 | Addressing a Gut-Skin Axis that underlies the mechanism associated with the pathogenicity of Crohn's Disease and Hidradenitis suppurativa

Nogueira, Rafaela; Pereira, Beatriz; Pei-ju Lu, Catherine; Alves, Inês; Pinho, Salomé S.

9 20836 | Development of a Tetraplet-Primed PCR (TTP-PCR) assay for Myotonic Dystrophy type 2

Gouveia, Sara; Santos, Rosário; Bastos, Estela; Marques, Isabel

10 20986 | Microtubule dynamics and axonal transport are impaired in Transthyretin Amyloid Polyneuropathy

Dias, Vítor P.; Nóvoa, Guilherme; Liz, Márcia A.

11 21028 | ATP-sensitive P2X4 shift towards P2X7 ionotropic receptor to control cholinergic neurotransmission in post-inflammatory rat ileitis

Guimarães, Ana; Vieira, Cátia; Castro, Raquel; Moreira, Rafael; Ferreirinha, Fátima; Carvalho, Liliana; Silva, Moisés T. B.; Correia-de-Sá, Paulo

- 12 **21042 | Unveiling common molecular pathways linked to ILDs with progressive fibrosing phenotype: The role of MUC5B promoter variant**
Santos, Rita F.; Gonçalves, Melany; Mota, Patrícia C.; Cardoso, Catarina G.; Coelho, Andreia L.; Sokhatska, Oksana; Beltrão, Marília; Guimarães, Susana; Moura, Conceição S.; Delgado, Luís; Soares, Miguel; Morais, António; Saraiva, Margarida; Novais-Bastos, Hélder
- 13 **21072 | Impact of high-fat and high-fat-high-sugar diets in neurogenesis and neuropeptide Y in aged rats.**
Ramos, Miguel; Mota, Bárbara; Delgado, Carla; Pereira, Pedro A.; Madeira, M. Dulce; Mateus, Nuno; Cardoso, Armando
- 14 **21133 | Characterization of invariant Natural Killer T cell phenotype and function in Fabry disease patients**
Miranda, Mariana F.; Macedo, M. Fátima
- 15 **21155 | Uncovering the microglia response during neonatal Group B *Streptococcus* meningitis**
Soares, Joana; Lorga, Inês; Bravo, Joana; Summavielle, Teresa; Vilanova, Manuel; Andrade, Elva B.
- 16 **21175 | The role of novel clinical digital tools in the screening and diagnosis of Obstructive Sleep Apnea - A systematic review**
Duarte, Miguel; Pereira Rodrigues, Pedro; Ferreira-Santos, Daniela
- 17 **21205 | Exposure to naturally occurring metals during early-pregnancy and pregnancy outcomes: results from the IoMum cohort**
Marques, Beatriz; Dias, Ana; Bracchi, Isabella; Guimarães, Juliana; Coelho, Cláudia M.; Pinheiro, Cátia; Prucha, Carmo; Martins, Cristina; Pinto, Edgar; Azevedo, Rui; Delerue-Matos, Cristina; Fernandes, Virgínia C.; Almeida, Agostinho; Ramalho, Carla; Keating, Elisa
- 19 **21221 | Does allergic rhinitis induce structural and behavioural changes in the male rat brain?**
Teixeira, Francisco; Resende, Beatriz; Rodrigues, Jorge; Rocha, Maria I.; Campelo, Inês; Cardoso, Armando; Sá, Susana I.; Vaz, Ricardo P.; Raemdonck, Kristof
- 20 **21223 | Role of oats in celiac disease: an update**
Alves, Inês; Freitas, Liliana; Giesteira, Liliana; Lucas, Ana; Moreira, Steffany; Rodrigues, Patrícia; Silva, Diana
- 21 **21232 | Improving clinical severity assessment and outcome prediction in a mouse model of neonatal Group B *Streptococcal* diseases**
Fialho, S.; Monteiro, Andreia; Costa, Mariana; Ferreira, Paula; Oliveira, Laura
- 22 **21281 | Assessment of exposure to plastic additives in Portuguese pregnant women: the role of dietary consumption and associated health effects**
Oliveira, Sofia S.; Fernandes, Virgínia C.; Rosa, Maria J.; Rodrigues, Catarina; Morais, Juliana; Mota, Inês B.; Bracchi, Isabella; Guimarães, Juliana; Coelho, Cláudia M.; Azevedo, Luís; Ramalho, Carla; Delerue-Matos, Cristina; Sapinho, Inês; Calhau, Conceição; Pestana, Diogo

Biological Sciences

- 23 **20396 | Humboldt Penguins (*Spheniscus humboldti*) living in the zoo: Effects of visitor's activity on penguin's behaviour**
Nunes, Ana; Magalhães, Ana
- 24 **20412 | Porcine Circovirus Type 2 prevalence in Wild Boars of Portugal - possible genotype shift**
Mega, J.; de Moreira Sousa, A.; Santos-Silva, S.; Palmeira, J. D.; Torres, R. T.; Mesquita, J.
- 25 **20429 | Determination of bacterial cell concentration by optical density in the pathogen *Pseudomonas syringae* pv. *actinidae***
Tendeiro, Ana Mafalda; Santos, Miguel G.; Fernandes, Tânia R.; Carvalho, Susana M. P.
- 26 **20466 | The role of oleate and oleoylethanolamide in the regulation of feed intake in European sea bass**
Moutinho, Maria Eduarda; Fontinha, Filipa; Martins, Nicole; Peres, Helena; Oliva-Teles, Aires

- 27 **20609 | Balancing sociality and conflict: the role of redirected aggression in common waxbills**
Pacheco, João; beltrão, Patrícia; Trigo, Sandra; Cardoso, Gonçalo C.
- 28 **20654 | Genetic characterization of Toll-Like receptor 7 gene in Chondrichthyans (sharks, rays, and chimaeras)**
Dias, Beatriz; Veríssimo, Ana; Neves, Fabiana
- 29 **20696 | Genetic structure of the red squirrel (*Sciurus vulgaris*) in Portugal**
Campos, Luís; Ferreira, Diana; Alves, Carolyn O.; Ferreira, Eduardo; Rocha, Rita G.
- 30 **20737 | The last of us: study and online access to the Fungi collection of Porto Herbarium (PO – MHNC-UP)**
Eiras, Clarisse; Ribeiro, Matilde; Coelho, Diogo; Vieira, Cristiana
- 31 **20774 | Searching for plastic degrading potential in marine microorganisms**
Nogueira, Tiago; Perdigão, Rafaela; Carvalho, Maria F.; Magalhães, Catarina; Almeida, C. Marisa R.; Mucha, Ana Paula
- 32 **20814 | Genomic analysis for forensic identification of predators in attacks on livestock**
Nogueira, T.; Godinho, R.; Bao, José V. L.
- 33 **20815 | Genetic evaluation of diet patterns in leopards from southern Angola**
Fernandes, Bárbara; Godinho, Raquel; Monterroso, Pedro
- 34 **20949 | The reshaping of Cetacea immunity: evolutionary tales of expansion and loss**
Teixeira, Joana; Oliveira, Diogo; Pinto, Bernardo; Valente, Raul; Ruivo, Raquel; Castro, Filipe
- 35 **20964 | Reproductive genes in Pangolins: The role of gene loss**
Silva, Mariana; Pinto, Bernardo; Ruivo, Raquel; Castro, Filipe
- 36 **20994 | First report of mites associated with *Rhynchophorus ferrugineus* (red palm weevil) in warmer regions of Portugal: Algarve and the Madeira Island**
Catarino, Francisco; Cruz, Ana S.; Matos, Inês; Rangel, Luis F.; Ayra-Pardo, Camilo; Santos, Maria J.
- 37 **20997 | Improving *Synechocystis* salt tolerance envisaging large-scale seawater cultivation**
Santos, Daniel D.; Pacheco, Catarina C.; Tamagnini, Paula
- 38 **21016 | Exploring the potential of algae-associated Actinobacteria as a source of antimycobacterial compounds**
Fujikura, Juliana; Pinto, Nuno; Milhm, Daniel; Girão, Mariana; Carvalho, Maria Fátima; Gomes, Maria Salomé; Silva, Tânia
- 41 **21113 | The dietary niche of the European otter in areas invaded and non-invaded by the signal crayfish in the NW of Portugal**
Macieira, Carolina; Queirós, João; Alves, Paulo C.; Sampaio, Sara; Lima, Manuel; Sousa, Ronaldo
- 42 **21127 | Life-history parameters of a laboratory colony of *Rhynchophorus ferrugineus* (Olivier, 1790) (Coleoptera: Curculionidae) for biotechnological applications**
Almeida, Mariana; Martins, Ricardo; Santos, Maria João; Ayra-Pardo, Camilo
- 43 **21143 | Influence of temperature on *Artemia franciscana* mating and activity patterns**
Guimarães, C.; Pinheiro, C.; Oliveira, J.M.A.; Vieira, M.; Monteiro, N.
- 44 **21153 | Methodological optimization of scat extractions and non-invasive genetic identification of large consumers in Sahel**
Rocha, Ricardo D.S.; Pizzigalli, Cristian; Gonçalves, Duarte
- 45 **21198 | Temperature influence on catch data and relative abundance of blue sharks in the North Atlantic**
Santos, Inês; Da Costa, Ivo
- 46 **21220 | Pollinators in the agroecosystems of São Tomé**
Padilha, Adriana; Daniel Velarde; Lionel Viegas; Pedro Beja; Sónia Ferreira; Vanessa Mata

- 47 **21231 | Interactions among monk parakeets (*Myiopsitta monachus*) and other avian species in urban areas of Madrid (Spain)**
Moreno Fernandez, Sandra Estela
- 48 **21255 | Studies of parasites in cartilaginous fishes from the Algarve coast**
Pontinha, Diana; Barbosa, João; Ferreira, Beatriz
- 49 **20433 | An *in vitro* study on the role of viperin as an antiviral effector in rainbow trout (*Oncorhynchus mykiss*) cell line RTS11**
Schoninger, Felipe; Azeredo, Rita; Fernández-Boo, Sergio; Tafalla, Carolina; Ramos-Pinto, Lourenço; Machado, Marina
- 50 **20464 | Exploring the potential of marine bacteria as novel source of plant bioactive compounds**
Silva, Miguel G.; Santos, José D. N.; Almeida, Eduarda; Lage, Olga M.; Melo, Paula
- 51 **20571 | Deciphering the astrocytic and synaptic changes under chronic alcohol exposure using a self-administration paradigm**
Rodrigues, Ana Margarida; Canedo, Teresa; Terceiro, Ana Filipa; Tedim-Moreira, Joana; Silva, Ana Isabel; Magalhães, Ana; Relvas, João; Summavielle, Teresa
- 52 **20583 | Disclosing biopharmaceutical applications of *Opuntia ficus-indica* (L.) and its role in circular economy**
Guedes Beatriz N.; Fathi Faezeh; Oliveira M. Beatriz; Souto Eliana B.
- 53 **20623 | Prevention of neurogenic detrusor overactivity after spinal cord injury. Effects of early combined treatment with resiniferatoxin and anticholinergics – darifenacin**
Lisboa, Inês Breia; Ferreira, Ana; Chambel, Sílvia; Avelino, António; Cruz, Célia
- 54 **20650 | Development of high-order mutants for Arabinogalactan Proteins and further functional characterization**
Ventura, Ana; Moreira, Diana; Coimbra, Sílvia; Pereira, Ana Marta
- 55 **20759 | Metabolite identification of a cyanobacteria with bioactivity towards obesity and intestinal lipid absorption**
Gonçalves, Francisca; Fonseca, Ana C.; Vasconcelos, Vitor; Urbatzka, Ralph
- 56 **20817 | *In vitro* safety assessment of putative ecofriendly antifouling synthetic compounds**
Nogueira, Tânia; Sousa, João; Correia da Silva, Marta; Santos, Miguel M.; Ruivo, Raquel
- 58 **20917 | Exploring the neurotoxic effects of 2C-I and 25I-NBOMe**
Borer, Ana; Gil-Martins, Eva; Cagide, Fernando; Remião, Fernando; Borges, Fernanda; Silva, Renata
- 59 **20918 | *In vitro* evaluation of peptides with potential antioxidant, anti-inflammatory and antihypertensive activities**
Borges, Thais; Ferraz, Ricardo; Coelho, Pedro; Prudêncio, Cristina; Gomes, Ana; Gomes, Paula
- 60 **20922 | Expanding the comprehension of Polycystic Kidney Disease (PKD) by employing organoids as a platform for individualized therapy**
Reis, Bruna P.Z.C.; Alencastre, Inês.; Oliveira, J.P.; Olsson, Anna.; Alves da Silva, Marta
- 61 **20951 | Isolation of endophytic *Lysinibacillus sphaericus* from the leaves of *Phoenix canariensis* (Chabaud) for biofertilizer and pest control applications**
Matos, Inês; Cerqueira, Pedro; Almeida, Juliana; De Sousa, José Américo; Santos, Maria João; Ayra-Pardo, Camilo
- 62 **20971 | Studying the antiviral activity of synthetic compounds against SARS-CoV-2 infection**
Moreira, Carlos; Magalhães, Ana Cristina; Carvalhal, Francisca; Pereira, Luísa; Sousa, Emília; Correia-da-Silva, Marta; Xavier, Cristina P. R.; Vasconcelos, M. Helena
- 63 **20983 | Engineering the cyanobacterium *Synechocystis* for optimized production of glycine betaine**
Rodrigues, David; Pacheco, Catarina C.; Tamagnini, Paula
- 64 **21036 | *In vitro* antimicrobial activity of silver diaminofluoride against oral pathogens**
Fernandes, Filipa

- 65 21108 | **New insights into the anti-inflammatory potential of cyanobacteria bioactive metabolites**
Rodrigues, Lécia; Morone, Janaína; Vasconcelos, Vitor; Lopes, Graciliana
- 66 21112 | **Exploring the toxicity of environmental and food contaminants on neuronal cells**
Ramos, Helena; Faria, Miguel; Ferreira, Isabel
- 67 21159 | **Searching for neuroprotective compounds: Extraction of phenolic compounds from three Lamiaceae species**
Campinho, Ana; Soares, Cristina; Grosso, Clara; Delerue-Matos, Cristina
- 68 21233 | **Revealing the biosynthetic potential of *Leptothoe* sp. through OSMaC strategies**
Ferreira, Dora; Ferreira, Leonor; Urbatzka, Ralph; Almeida, Joana; Reis, Mariana

11:30 - 13:00 PARALLEL ORAL SESSIONS X

Room A1 – Health Sciences XIII

21213 | **Antimicrobial action of phytochemical extracts from selected invasive plant species**
Oliveira, Miguel J.; Gomes, Inês; Simões, Manuel

20585 | **A potential new antifungal agent proposed by a project-based learning approach**
Fortes, Sara; Silva, Eduarda; Palmeira, Andreia; Silva, Marta; Fernandes, Carla; Sousa, Emília

20909 | **Administration of antimicrobials on an outpatient basis after early discharge at the Matosinhos Local Healthcare Unit: Clinical and economic evaluation**
Carvalho, Gabi S.; Neto, Mariana; Santos, António; Campos, Pedro; Paiva, Cristina; Tomás, Amélia; Borges, Alexandra; Mendes, Carla; Barbosa, Carlos M.

20977 | **Development and characterization of mycobacterial biofilm models to study drug susceptibility**
Ribeiro, Mariana; Bento, Clara M.; Gomes, Maria Salomé; Silva, Tânia

21073 | **Impact of maternal obesity on early-life microbiota-induced immune system priming**
Magalhães, Inês; Azevedo, Maria João; Castro, Flávia; Oliveira, Maria José; Costa, Ângela M.; Sampaio-Maia, Benedita

20823 | ***In vitro* pharmacological targeting of retinoid-related pathways affects dengue virus infection**
Oliveira, Ana R.; Moreira, Ana C.; Pereira, Luísa; Magalhães, Ana C.

Room A2 – Biological Sciences VIII

21104 | **Tackling the trans-kingdom transcription regulatory machinery: Can plant pioneer transcription factors remodel animal chromatin?**
Ribeiro, Francisca; Bessa, José; Sottomayor, Mariana

21088 | **Identification of mRNA signatures by bioinformatic analysis in cancers related to tobacco smoking**
Bessa, Maria; Lopes de Mendonça, Filipa; Ferreira, Alexandre; Ferreira, Pedro G.; Moreira, Alexandra; Pereira-Castro, Isabel

21158 | **Functional glycoproteomics characterization of gastric cancer cells expressing selectin ligands**
Marinho-Santos, Beatriz; Relvas-Santos, Marta; Ferreira, Dylan; Santos, Lácio L.; Peixoto, Andreia; Ferreira, José A.

20776 | **A gene loss “road” underpins the absence of the platypus stomach**
Teixeira, Patrícia; Ruivo, Raquel; Pinto, Bernardo; Wilson, Jonathan; Castro, Luís

20558 | **Recruitment and loading of Dynein-2 into cilia to ensure their signalling functions**
Fonseca, Luísa S.; Rodrigues, Diogo R.; Abreu, Carla M.; Dantas, Tiago J.

21160 | **Enzymatic activity in a high-throughput fluorimetric dengue virus protease assay for dengue virus serotypes**
Macedo, Miguel S. C.; Klein, Christian D.; Leuthold, Mila M.

Room A3 – Astronomy

20490 | The impact of stellar activity on the planetary habitability

Lapa, Gabriela S.; Santos, Ângela R.G.; Fernandes, João

20691 | Application of realistic magnetic-cycle reconstruction to sun-as-a-star observations

Rolo, Inês; Faria, João; Santos, Ângela; Cunha, Margarida

20738 | Fundamental cosmology from ANDES precision spectroscopy

Marques, Catarina M. J.; Martins, Carlos J. A. P.; Alves, Catarina S.

20784 | Analytical solutions for cosmic superstrings evolution: Preliminary results

Pimenta, Francisco; Martins, Carlos

21052 | Cosmographic constraints on the variation of the proton-to-electron mass ratio

Clerfeuille, C.

21282 | Varying alpha in the galaxy

Barjou-Delayre, C.

Room A4 – Heritage Studies II

20562 | Archaeobotanical study of the Northwest Necropolis of Olisipo (Lisbon): Preliminary results

Sousa, Catarina; Ferreira, Daniela; Vaz, Filipe C.; Tereso, João; Rebelo, Paulo; Peça, Pedro; Bolila, Catarina

21136 | Road's cultural heritage: EN2 case study

Paiva, Sofia

20591 | Embroider the poem, conquer identity - a study of love handkerchiefs as a sign of feminine affirmation

Brandão, Sara

20575 | Ariano Suassuna: Contributions to the appreciation of Codel Literature

Paula, Julia S.

Room A5 – Health Sciences X

20661 | PR interval in hypertrophic cardiomyopathy patients: A worthy risk factor?

Santos, J.A.S.; Martins, E.; Dias, C.C.; Amador, A F.

21044 | MicroRNAs in Kidney-Heart Fibrosis

Carvalho, Eduarda; Ramil-Gómez, Olalla; Moura, Sara; Santos, Janete; Cerqueira, Ana; Paulo, Núria; Silva, Roberto; Mendonça, Luís; Diniz, Hugo; Sousa, Maria J.; Gomes, Emílio; Brandão, Isabel; Almeida, Maria I.; Pestana, Manuel; Alencastre, Inês S.

21190 | Characterization of inflammatory pathways and fibrosis in human endometriosis

Botelho, M.; Hipólito-Reis, M.; Rodrigues, A.R.; Gouveia, A.M.; Fernandes, A.S.; Martinho, M.; Almeida, H.; Neto, A.C.; Neves, D.

21227 | Guarding a young heart: What keeps rare proliferative cardiomyocytes in the heart?

Nunes Martins, R.; Ferreira, J.P.; Gomes, R.N.; Nascimento, D.S.; Pinto-do-Ó, P.

14:30 - 16:00 PARALLEL ORAL SESSIONS XI

Room A1 – Biological Sciences IX

20651 | A computational approach to build a RHDV primer database from the literature

Carneiro, Filipa; Lopes, Ana Margarida; Abrantes, Joana; Carneiro, João

20871 | Deciphering the transcriptomics of the *Conus* species' natural venoms

Morim, José; Zhao, Yihe; Antunes, Agostinho

20736 | Nuclear receptors and the mussels that “don’t get better with butter”

João Pinheiro; André Gomes-dos-Santos; Filipe Castro; Elsa Froufe; Elza Fonseca

20958 | Sans Glomeruli: the recurrent origin of aglomerular kidneys in teleosts

Pinto, Bernardo; Kolbadinezhad, Salman; Cordeiro, Miguel; Machado, André M.; Ruivo, Raquel; Fonseca, Elza; Andrade, José P.; Palma, Jorge; Barros, David; Monteiro, Nuno; Wilson, Jonathan; Castro, L. Filipe

20972 | Upregulation of Vps27 mediates the mitochondrial derepression and increased lifespan of yeast cells lacking the Sit4 protein phosphatase

Correia, Miguel; Martins, Telma S.; Pereira, Clara; Costa, Vítor

20716 | Application of the FISH technique in the research for chromosomal mosaicism in samples of buccal mucosa

Braga, Megan; Freitas, Maria M.; Teles, Natália

Room A2 – Sport Sciences III

20976 | Analysis of the swimming velocity profile obtained through inertial kinematics

Vieira, Leandro; Goethel, Márcio; Fernandes, Ricardo Jorge; Costa, Mário Jorge; Soares, Susana; Vilas-Boas, João Paulo

20672 | Breaststroke pull-out velocity-time curve profile and kinematics: Comparison between male and female swimmers

Ferreira, Francisco; Santos, Catarina C.; Soares, Susana; Goethel, Márcio; Fernandes, Ricardo J.; Vilas-Boas, João Paulo; Costa, Mário J.

20675 | Internal load during formal training and competition in young basketball players

Gonçalves, Gonçalo; Neta, Paulo; Guimarães, Eduardo

20706 | Bone site-dependent responsiveness to swimming exercise in male Wistar rats

Bezerra, Andrea; Freitas, Laura; Resende-Coelho, Ana; Maciel, Leonardo; Almeida, Maria; Fonseca, Hélder

21014 | Effect of polarized vs other types of endurance training intensity distribution on cardiorespiratory function: A systematic review with meta-analysis

Oliveira, Pedro; Boppre, Giorjines; Fonseca, Hélder

44

Room A3 – Physics I

20525 | Intelligent optical tweezers for high-throughput applications

Teixeira, Joana; Moreira, Felipe C; Jorge, Pedro A.S.; Silva, Nuno A.

21065 | Artificial photonic synapses for neuromorphic computing

Pimentel, Marina J.; Dias, Catarina J. L. S.; Ventura, João O.

20582 | Solving the time-independent Schrödinger equation with deep diffractive neural networks

Coutinho, Felipe C. M. R.; Silva, Duarte; Ferreira, Tiago; Silva, Nuno A.

21050 | Simulation and characterization of AgFeTiO₂ nanostructures for plasmonic multi-purpose sensing

Carvalho, João P.; Dias, Bernardo; Coelho, Luís C. C.; Almeida, José M. M. M.

20864 | Collaborative opportunities in Multimodal Sensor Fusion

Lopes, Tomás; Capela, Diana; Ferreira, Miguel; Guimarães, Diana; Jorge, Pedro; Silva, Nuno

21265 | 4DCT Imaging: Implementation and study of different respiratory binning methods

Pereira, Jorge B.; Cunha, Luís P.; Dias, Anabela G.

Room A4 – History, Political and Social Sciences I

20448 | A portrait of the grey areas of medieval sexuality - Alcoviteiras and Sorceresses

Pinto, Ana

20646 | Institution and people: social networks between the city and the Oporto cathedral chapter in the 14th century

Nunes, Margarida

20570 | The Portuguese "Magdalene's": a study on prostitution and its implications in Portuguese society in the fourteenth and fifteenth centuries

Ramos, Isabela

21237 | Rule, contravention and punishment among friars of the Order of Santiago: A 16th-century case study

Wisniewski, Glauber S.

20494 | Representations of the February 1927 military movement in Porto and Lisbon daily press

Silva, Daniel

Room A5 – Health Sciences XI

20545 | Characterization of microglial response to environmental enrichment: The role of the RhoGTPase Rac1

Galvão-Ferreira, João; O. Almeida, Tiago; C. Portugal, Camila; C. S. Santos, Evelyn; Tedim-Moreira, Joana; Canedo, Teresa; Magalhães, Ana; Summavielle, Teresa; B. Relvas, João; Socodato, Renato

20639 | The importance of catechol and free hydroxy groups on chalcones' antioxidant activity

Monteiro, Ricardo; Lucas, Mariana; Fernandes, Eduarda; Oliveira, Laura; Ribeiro, Daniela

20769 | The effect of the glutathione pathway on the cytotoxicity of sunitinib, doxorubicin and bortezomib in AC16

Vitorino-Oliveira, Cláudia; Duarte-Araújo, Margarida; Carvalho, Félix; Costa, Vera Marisa

20787 | Nitrite ingestion as an emerging trend in suicide: investigating *in vitro* cytotoxicity

Pinheiro, Sara; Carvalho, Félix; Carmo, Helena

20811 | Optimization and evaluation of lipid metabolism modulation by hydroxylated flavonoids using an *in vitro* model of preadipocytes

Lobo, Maria Carolina; Proença, Carina; Fernandes, Eduarda; Rufino, Ana Teresa

20828 | Defining Prxl1 transcriptional program in developing dorsal root ganglion neurons

Cabral, Maria; Baltar, João; Reguenga, Carlos; Monteiro, Filipe A.

20782 | A cross-sectional study on radiomic analysis of the hostile neck anatomy in Abdominal Aortic Aneurysms

Trigo, Vasco; Silva, Maria V. S.; Jácome, Ana F. C.; Sousa-Nunes, Fábio; Magalhães, Sandra; Barros, António; Dias-Neto, Marina

45

16:00 - 17:00 POSTER SESSION

Nr. Physics

1 20612 | Production of a thermal switch with a Galinstan based ferromagnetic fluid

Maganinho, João Pedro; Andrade, V.; Araújo, João P.; Silva, D.J.; Ventura, J. O.; Oliveira, J.; Pereira, A. M.; Pires, Ana L.; Belo, João H.

2 20791 | Flexible topological insulator in Sb₂Te₃

Silva, Helena; Moreira, Mafalda; Pires, Ana L.; Pereira, André M.

3 20819 | Optimizing thermal expansion in 3D-printed cements

Santos, Diogo; Almeida, Rafael; Guimarães, Ana S.; Belo, João H.

4 20913 | Physical nonlinear system for neuromorphic computing

Silva, Juan; Silva, Nuno

5 21048 | The magnetocaloric effect studies on the NiMnGa/PDMS composite

Duarte, Rita; Andrade, Vivian M.; Espain, Joana

6 21111 | Optical gas sensors based on porous materials

Sousa, Mariana A. F. de Melo e; Dias, Bernardo; Mendes, João P.; Almeida, José M. M. M. de; Queirós, Carla; Leite, Andreia; Silva, Ana M. G.; Coelho, Luís C. C.

7 21203 | Optical pH sensors based on self-assembled nanofilm coated long-period fiber gratings

Pereira, José M.; Mendes, João; Almeida, José M. M. M.; Coelho, Luís C. C.

- 8 **21207 | Sputter deposition of thin films of gold and titanium dioxide for sensing: Fabrication and characterization**
Gonçalves, Carolina R.; Seixas, Simão P.; Coelho, Luís; Almeida, José M.; Carvalho, João; Pereira, José; Mendes, João P.
- 9 **21245 | Water-Evaporation-Induced Generator with bio-waste activated carbon**
Soares, Patrícia; Ferreira, João; Veloso, Ana Rita; Espain de Oliveira, Joana; Ventura, João
- 10 **21253 | Electric transport properties of MXene composite films**
Meneses, Silvio F. R.; Ventura, Joao O.; Dias, Catarina J. L. S.
- 11 **21266 | Fabrication and characterization of sputter thin films of silver and titanium dioxide for sensing**
Seixas, Simão P.; Gonçalves, Carolina R.; Carvalho, João; Pereira, José; Mendes, João P.; Coelho, Luís; Almeida, José M.
- 12 **21269 | Improving ionic conductivity of NASICON solid electrolyte with PVA-based polymers**
Salgueiro, Tiago Afonso; Espain de Oliveira, Joana; Ventura, João; Veloso, Ana Rita

Health Sciences

- 13 **20564 | Polyvascular disease influences long-term cardiovascular morbidity in carotid endarterectomy**
Thierstein, Lourenço; Pereira-Macedo, Juliana; Duarte-Gamas, Luís; Reis, Pedro; Myrcha, Piotr; P. Andrade, José; Rocha-Neves, João
- 14 **20687 | Study of proteins associated with sexual dimorphism in aortic valve stenosis**
Grego, Ana; Sousa-Mendes, Cláudia; Gavina, Cristina; Sousa, Carla; Leite-Moreira, Adelino; Falcão-Pires, Inês; Nogueira-Ferreira, Rita; Trindade, Fábio
- 16 **21085 | Recommendations for the management of cardiomyopathy mutation carriers: Evidence and/or doubts/intentions**
Couto, José F.; Martins, Elisabete
- 17 **21125 | The heart at our hands: Utilizing multicellular spheroids as innovative vascularization units for advanced tissue engineering**
Ribeiro, J.; Bidarra, S. J.; Barrias, C. C.; Nascimento, D. S.
- 18 **21168 | Urinary proteomics study in heart failure with preserved ejection fraction**
Fonseca, Ivo; Vasques-Nóvoa, Francisco; Aveiro, Susana; Ferreira, Rita; Barros, António; Diaz, Sílvia; Leite-Moreira, Adelino; Amado, Francisco; Nogueira-Ferreira, Rita
- 19 **21194 | *In vitro* study of the effects of aggregated TTR in cardiac cells**
Ribeiro, L.; Nascimento, D. S.; Gomes, A. R.; Almeida, M. R.
- 20 **20627 | Minimally invasive surgery for Pilonidal disease: Outcomes of Gips technique - a systematic review and meta-analysis**
Amorim, M.; Estevão-Costa, J.; Santos, C.; Fernandes, S.
- 21 **20880 | Characterization of white adipose tissue used in distinct breast reconstruction surgical approaches**
Costa, B.; Pinho, C.; Salazar, M.; Neves, D.; Almeida, H.; Rodrigues, A.R.; Gouveia, A.M.
- 22 **20923 | Anatomical and radiological study of the extracranial portion of the hypoglossal nerve: Importance for anterior surgical approaches to the cervical spine**
Pinto, Filipe F.; Neves, Maria A.; Pinho, A.R.; Madeira, M.D.; Pereira, P.A.
- 23 **20954 | Surgical anatomy of the proximal part of the musculocutaneous nerve: A cadaver study**
Nery-Monterroso, J.; Bezerra, M.C.P.; Vital, L.; Sapage, R.; Pinho, A.R.; Madeira, M.D.; Pereira, P.A.
- 24 **20969 | Anatomical and radiologic study of the internal branch of the superior laryngeal nerve: Importance for anterior surgical approaches to the cervical spine**
Neves, Maria A.; Pinto, Filipe F.; Pinho, A.R.; Madeira, M.D.; Pereira, P.A.

- 25 **20981 | Anatomical, radiological and surgical study focused on the human skeletal pelvis and lumbosacral plexus: Relevance for pelvic ring fractures management**
Bezerra, M.C.P.; Nery-Monterroso, J.; Veludo, V.; Pinho, A.R.; Madeira, M.D.; Pereira, P.A.
- 26 **21199 | Impact of Enhanced Recovery After Surgery (ERAS) guidelines implementation in cesarean delivery: a systematic review and meta-analysis**
Pinho, Beatriz; Costa, Antónia
- 27 **21276 | Comparison between the open and the laparoscopic approach in the primary ventral hernia repair: A systematic review and meta-analysis**
Martins, Márcia; Santos Sousa, Hugo; Alves do Vale, Miguel; Sousa Pinto, Bernardo; Bouça Machado, Raquel; Barbosa, Elisabete
- 28 **20435 | Effects of steam sterilization on the properties of stimuli-responsive polymer-based hydrogels**
Ferreira, Inês; Marques, Ana Camila; Costa, Paulo C.; Amaral, Maria Helena
- 29 **20547 | Polymeric nanocomposites for biomedical applications: A focus on drug delivery and imaging analysis**
Berselli, E.; Coccolini, C.; Fathi, F.; Oliveira, M.B.; Krambeck, K.; Souto, E.B.
- 30 **20642 | Variation of urinary creatinine levels in firefighter trainees during a controlled urban fire event**
Almeida, Pedro; Teixeira, Joana; Costa, Paulo; Rodrigues, Francisca; Santos Silva, Alice; Delerue-Matos, Cristina; Oliveira, Marta
- 31 **20644 | Increased production levels universal sequence in non-small cell lung cancer (NSCLC) vaccines**
Silva, Maria Inês; Moreira, Alexandra; Pereira-Castro, Isabel
- 32 **20902 | Evaluation of age-associated cellular and molecular changes on human uterine samples**
Formoso, Inês; Guedes-Martins, Luís; Almeida, Henrique; Silva, Elisabete; Matos, Liliana
- 33 **20907 | Valorization of *Fucus vesiculosus* and brewer's spent yeast biomass to produce an efficient iodine nutraceutical**
Moreira, Rafaela; Silva, Andreia D. M.; Figueiredo, Sónia; Vieira, Elsa F.
- 36 **21007 | Pharmaceutical formulations based on 2D-nanomaterials for phototherapy**
Campos, Miguel T.; Magalhães, Fernão D.; Oliveira, Maria J.; Pinto, Artur M.
- 37 **21019 | Operational and Systematic Coworker Acquiring Robotics (OSCAR) in the Laboratory**
Oliveira, Marisa; Soares, Joana; Baptista, Tatiana; Lapa, Rui
- 38 **21166 | Engineering a Red-Shifted Luciferase expressing *Plasmodium berghei* line**
Carvalho, Nuno; Neves, Filipa; Monteiro, Ricardo; Ribeiro, Joana; Sá, Mónica; Tavares, Joana
- 39 **21186 | Importance of climate change manifestations and urban green areas on the potential expansion of ixodid vectors**
Barbosa, Rui; Monteiro, Ana; Freitas, Marisa
- 40 **21226 | Fit accuracy qualitative assessment of Co-Cr and PEEK frameworks**
Fernandes, Lara B.; Pinto, João; Oliveira, Susana J.; Sampaio-Fernandes, Manuel; Neves, Cristina; Malheiro, Rodrigo; Sampaio-Fernandes, Margarida; Figueiral M. Helena
- 41 **20754 | Development of lipid nanoparticles with nystatin for an antifungal action**
Nascimento, Cecília; Sousa, Filipa; Reis, Salette; Costa, Paulo

Biological Sciences

- 42 **20506 | Can green synthesized ZnO nanoparticles using fruits extracts promote osteogenic differentiation of bone marrow mesenchymal cells?**
Velho, H; Vig, S; Alves, M; Grenho, L; Santos, C; Fernandes, MH
- 43 **20555 | Exploring the role of β 3gnt7 during CNS axon regeneration**
Castro, Gonçalo M.; Sousa, Mónica M.; Braz, Sandra O.

- 44 **20586 | Molecular mechanisms underlying robust MPS1/TTK activation**
Pinto, Inês; Sunkel, Claudio; Moura, Margarida; Conde, Carlos
- 45 **20657 | Revving Up *Synechocystis*: Boosting growth towards a more efficient cell factory**
Marques, João; Pinto, Filipe; Tamagnini, Paula
- 46 **20663 | A specific FMO5 gene duplication in Cetacea: Of history and function**
Morte, Tiago; Oliveira, Diogo; Castro, Filipe; Ruivo, Raquel
- 47 **20678 | Molecular and cellular asymmetries in Rat and Human sensory neurons**
Ribeiro, R.; Costa, A. C.; Roderer, P.; Brustle, O.; Sousa, M. M.
- 48 **20685 | An automatic workflow to build a database of Cyanobacterial Bioactive Compounds with applications in Blue Biotechnology**
Soares, Renato; Sousa, Sérgio; Pratas, Diogo; Crisóstomo, Sérgio; Carneiro, João
- 49 **20693 | Cyanobacteria with bioactivity towards appetite reduction - growth conditions and metabolite identification**
Moutinho, Marta; Fonseca, Ana; Vasconcelos, Vítor; Urbatzka, Ralph
- 50 **20715 | Understanding the role of the extracellular matrix component Perlecan on epithelial cytokinesis**
Gonçalves, Margarida; Lopes, Catarina; Ramos, Carolina; Osswald, Mariana; Sunkel, Claudio; Mirouse, Vicent ; Morais-de-Sá, Eurico
- 51 **20728 | Discovery of ribosomally synthesized lipopeptides from Cyanobacteria**
Pereira, João P.; Leão, Pedro N.; Branco, Raquel C.
- 52 **20747 | Dual Targeting function of GLN2-encoded Glutamine Synthetase**
Ferreira, João; Pereira, Cláudia; Melo, Paula
- 53 **20762 | Recombinant expression and purification of trimeric autotransporter adhesins from *Photobacterium damsela* subsp. *Piscicida***
Viveiros, José; Lisboa, Johnny; Teixeira, Alexandra; Loureiro, Inês; dos Santos, Nuno M. S.; do Vale, Ana
- 54 **20781 | The utility of eDNA metabarcoding for assessing myxozoan presence and diversity in an estuarine environment**
Ferreira, Gabriel; Machado, Ana; Rocha, Sónia
- 55 **20804 | Exploring the maternal genetic landscape of Andean Mestizos from Ecuador**
Garzón-Salazar, Alejandra; Burgos, Germán; Flores, Rodrigo; Barrionuevo-Pérez, Katherin; Yépez, Ignacio; Cabrera, Alejandro; Paz-Cruz, Elius; Ordoñez, Andrés; Amorim, António; Gusmão, Leonor; Simão, Filipa; Gomes, Verónica
- 56 **20825 | MiT/TFE Family of transcription factors in invertebrates: From nutrient sensing to environmental markers?**
Lago, Íris; Fonseca, Elza; Gasnier, Bruno; Castro, Filipe; Ruivo, Raquel
- 57 **20826 | Optimisation of new *in vivo* magnetic system to collect and eliminate circulating tumours cells**
Silva, Rui; Flores, Miguel; Ribeiro, Tiago; Tunnell, James; Monteiro, Fernando; Laranjeira, Marta
- 58 **20831 | Inhibition of Mitochondrial Uncoupling Proteins (UCPs) impairs mouse Leydig cell's mitochondrial function**
Matos, Beatriz C.; Guerra-Carvalho, Bárbara; Carrageta, David F.; Bernardino, Raquel L.; Oliveira, Pedro F.; Alves, Marco G.
- 59 **20848 | *In vitro* bone cell behaviour and angiogenesis under static magnetic fields on magnetic bone implants**
Flores, Miguel; Skwira, Adrianna; Monteiro, Fernando Jorge; Laranjeira, Marta
- 60 **20884 | Human Disease - Gene expression network**
Kumar, Darmit; Pereira, Luísa; Ribeiro, Pedro; Ferreira, Pedro G.

- 61 **20885 | Pharmacodynamic evaluation of novel Catechol-O-methyltransferase inhibitors**
Albuquerque, Bárbara; Benfeito, Sofia; Chavarria, Daniel; Serrão, Maria Paula; Borges, Fernanda; Soares-da-Silva, Patrício
- 62 **20886 | Morphological and genetic characterization of the PRRXL1 S119A phospho-defective mouse**
Vandervoordt, Catarina; Dias, Ana F; Monteiro, Filipe; Reguenga, Carlos
- 63 **21027 | Unconventional vacuolar trafficking pathways in tobacco BY-2 cells**
Areias, Diana; Vieira, Vanessa; Pissarra, José; Pereira, Cláudia
- 64 **21064 | Tension-driven axon elongation triggers cytoskeleton remodelling**
Bessa, Rita G.; Aroso, Miguel; Veríssimo, Eduardo; Silva, Tiago; Lopes, Cátia; Brites, Pedro; Aguiar, Paulo; Sousa, Mónica; Sousa, Sara
- 65 **21089 | Development of NAM-FISH for the study of biofilms formed in an advanced 3D substrate**
Cruz, Sofia R.; Pacheco, Daniela; Azevedo, Andreia S.; Azevedo, Nuno F.
- 66 **21204 | Establishment of a CRISPR/Cas9 activation (CRISPRa) methodology to study Sialyl Lewis X role in malignant features of gastrointestinal cancer**
Teixeira, Andreia; Senra, Emanuel; Costa, Ana Filipa; Faria-Ramos, Isabel; Reis, Celso A.; Magalhães, Ana; Gomes, Catarina
- 67 **21238 | Regulation of CD47 expression by interferon-gamma under chronic methamphetamine exposure**
Rodrigues, João; Bravo, Joana; Andrade, B. Elva; Canedo, Teresa; Azevedo, Maria; Summavielle, Teresa
- 68 **20768 | Tutti frutti: Taxonomic revision and online access of the PO Herbarium Carpotheque (PO – MHNC-UP)**
Pereira, Ana Catarina; Vieira, Cristiana

49

17:00 - 18:30 **PARALLEL ORAL SESSIONS XII**

Room A1 – Literary, Cultural and Language Studies II

21240 | Photography as resurgence: Os Memoráveis, by Lídia Jorge

Tran, Jasmin E.

21272 | Mysteries of narration: Adaptation strategies in Mistérios de Lisboa (2010)

Almeida, Andre A.

20899 | Character transformation through intertextuality: Woody Allen's Madame Bovary

Custódio, Luísa

21107 | African American collective consciousness in literature and hip-hop: A conversation between Toni Morrison's Song of Solomon and Kendrick Lamar's To Pimp a Butterfly

Oliveira, Diogo

21093 | The spirit in the machine: Religion and its representation in science fiction

Oliveira, Joel

20847 | Ain't I a Human?: Prison writing and the right to speak

Pereira, Mafalda

Room A2 – Sport Sciences IV

20758 | Women's participation in decision-making positions in municipal sports management: A study in the Comunidade Intermunicipal do Tâmega e Sousa

Severino, Joana; Carvalho, Maria J.; Batista, Paula

20940 | Effect of entrepreneurship training in sport university students

Barbosa, Jorge; Amorim, Diana; Marques, José; Soares, Susana

21041 | How are sport participation patterns of youth team sport players shaping up? A snapshot from Portugal

Neto, Leandra; Mesquita, Isabel; Coutinho, Patrícia

21043 | Multidisciplinary swimming teaching model: Subjective teachers' perception

Peres, Margarida; Vieira, Leandro; Batista, Paula; Fernandes, Ricardo J.; Soares, Susana

Room A3 – Physics II

20799 | Photo-thermoelectric plasmonic systems: Towards green wireless energy transfer

Roque, Carlos E.; Pires, Ana L.; André M. Pereira, André M.

21091 | On the Magnetic and Structural Phase transitions in Fe₄₉Rh₅₁

Beleza, André; Sánchez Llamazares, José Luis; Álvarez Alonso, Pablo; Araújo, João Pedro; Belo, João Horta

20622 | Bi-Te Topological insulators on flexible substrates: Towards Spin-orbitronics devices

Moreira, Mafalda; Pires, Ana L.; Castro, Eduardo V.; Pereira, André M.

21251 | Interplay between interactions and incommensurability in 1D narrow-band moiré system

Sobrosa, Nicolau; Gonçalves, Miguel; Castro, V. Eduardo; Ribeiro, Pedro; Amorim, Bruno

Room A4 – History, Political and Social Sciences II

20556 | Cartography in historical context: Comprehension and application

Souza, Bernardo C. A. de

20515 | Spoils of the past: The role of memory in the Russo-Ukrainian conflict

Campos, Ana; de Sousa, Inês; Magalhães, Constança; Quarteu, Hugo

20595 | Revisiting the concept of "nation" in the 21st century through the analysis of Jair Bolsonaro's political speeches (2018-2022)

Aquino, Cássio L.

20528 | They Silenced Her, the story of the death of journalist Shireen Abu Akleh by the International Journalism of Al Jazeera and The Washington Post

Cortez, Inês

20927 | The modalities of non-formal education at a secondary school in the municipality of Porto

Campos, Bruno; Ribeiro, Lourenço P.

Room A5 – Psychology and Education Sciences IV

20489 | Perceptions of medical students of the Faculty of Medicine of the University of Porto towards the role of histology and embryology: Should students be heard during the curricular reviews?

Carneiro, Bruno Daniel; Pozza, Daniel Humberto; Tavares, Isaura

20458 | Do writing motivational beliefs feed off each other and predict writing performance? A cross-lagged approach in middle grades

Rasteiro, Isabel; Limpo, Teresa

21000 | The present and future of teaching: Analysis of the processes of knowledge transmission between cooperating teachers and interns

Dias, Constança; Santos, Marta

21129 | Today adolescents, tomorrow (possible) parents. A systematic review of evidence on fertility education in adolescence

Martins, Raquel F.; Nunes, Filipa; Martins, Mariana V.

21222 | The effect of sexual dimorphism on facial attractiveness: A deep learning approach

Fernandes, Nuno; Coimbra, Miguel; Oliveira, Hélder; Soares, Sandra; Arantes, Joana