

PROGRAMA CIENTÍFICO
SCIENTIFIC PROGRAM



ENCONTRO
INVESTIGAÇÃO
JOVEM

8, 9 e 10 MAIO 2024

FACULDADE
DE ECONOMIA
UNIVERSIDADE
DO PORTO

Organização

U.PORTO

Apoio



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Sérgio Sousa
REQUIMTE

BOAS-VINDAS | WELCOME

É com grande satisfação que apresentamos neste livro os resumos dos trabalhos apresentados na edição de 2024 do Encontro de Investigação Jovem da Universidade do Porto (IJUP). Este evento, de periodicidade anual, é um momento ímpar na vida académica da nossa universidade, onde os estudantes dos primeiros níveis de ensino universitário têm a oportunidade de partilhar e discutir os resultados dos seus estudos no âmbito de projetos de iniciação à investigação.

Ao folhearmos estas páginas, percebemos o vasto e diversificado mundo da investigação que se desenvolve nas diferentes áreas do conhecimento presentes na Universidade do Porto. Desde a Arquitetura à Sociologia, passando pelas Artes, Ciências da Saúde e pela Engenharia, os trabalhos aqui apresentados refletem a riqueza e a qualidade do trabalho desenvolvido pelos nossos estudantes e investigadores.

Nesta edição, contamos com uma participação de mais de 1000 estudantes e quase 700 trabalhos submetidos, distribuídos entre comunicações orais e pósteres. Este número impressionante demonstra o interesse e o empenho dos nossos estudantes em contribuir para a investigação e para o avanço do conhecimento nas suas áreas de estudo.

Gostaria, por isso, de felicitar todos os estudantes cujos trabalhos foram selecionados para apresentação nesta edição. O seu empenho, criatividade e dedicação são exemplos maiores do talento e potencial que existe na comunidade académica da Universidade do Porto. Que este encontro seja uma fonte de inspiração e motivação para futuros projetos, para uma nova geração de cientistas que contribuam para o avanço do conhecimento e para o desenvolvimento da sociedade.

Por fim, não poderia também deixar de expressar o nosso profundo agradecimento à FEP, em particular à sua Direção, bem como a todos os docentes e investigadores que fazem parte da Comissão Científica deste encontro e àqueles que se disponibilizaram como moderadores das sessões de apresentação dos trabalhos. O seu apoio e dedicação são fundamentais para o sucesso do IJUP e para a promoção da excelência académica e científica na Universidade do Porto.

Pedro Rodrigues

Vice-Reitor para a Investigação e Inovação

Universidade do Porto

Quarta-feira, 08 de maio | May, 08th, Wednesday

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

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

Room A1 – Architecture I

21494 | Visual Urban Quality: Impact on Health and Well-being

Freitas, Catarina

21385 | Urbanism of the Human Flows. Buenos Aires as a starting point

Neves, Maria I.; Silva, Cristina E.; Alvarez, Martín D.

21599 | Between Sea and Land - Urban development proposal for the preservation of the cultural and architectural heritage of the town of Apúlia

Gil, Ana

21424 | For a Bioclimatic Rehabilitation: the case of the Kamionek Factory, in Warsaw

Matos, Inês M.

22070 | Valorisation of archaeological Roman gold-mining cultural landscapes in “charnecas”

Veludo, Mariana

22003 | The project of Modern Brazilianness: Intersections between Architecture and Music from 1922 to 1964

Costa, Lucas K.

Room A2 – History of Art, Heritage, and Cultural Studies I

21860 | Braga's Medieval Heritage, as Seen on the "Mapa das Ruas de Braga" from 1750

Valente, Gonçalo

21934 | Iconography of Braga's urban fields and public squares: 16th - 20th centuries

Rodrigues, Marina B.; Oliveira, Erysson F. De

21998 | Urban Iconography Project of Braga: The Wayside Crosses and Fountains

Pacheco, Sofia; Lara, Leandro

21869 | Between erudite and vernacular: the constructions methods of Braga through the Mapa das Ruas de Braga (1750)

Fernandes, Catarina A.S.; Brun, Delano

21946 | Lattice (gelosias) in Braga Street Map

Ferreira, Inês

21475 | Time, Locus, Contexts, and Readings of the Bone House of the Church of São Francisco in Évora

Dias, Francisca

21925 | The Art of Victory: A Close Look at Fan-Voted Trophy Cups from Sport Lisboa e Benfica's Collection

Paiva, Sofia

21919 | Study of the collection of bobbin lace in the National Museum of Soares dos Reis and contributions to it

Figueirinha, Beatriz da S.; Semedo, Alice; Senra, Sandra; Guimarães, Maria L.

Room A3 – Chemistry I

21368 | Discovery of potent positive allosteric modulators of the D2 receptors by stapling amantadine to melanostatin neuropeptide

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

21812 | Nanostructured Lipid Carriers for catechol-O-methyltransferase inhibitor-controlled release

Machado, Cláudia; Pinto, Miguel; Aguiar, Brandon; Borges, Fernanda; Fernandes, Carlos

21476 | Chiral flavonoid derivatives: synthesis and structure elucidation of new potential antitumor agents

Pereira, Ana M.; Pinto, Cláudia; Pinto, Madalena; Cidade, Honorina; Tiritan, Maria E.

21541 | Design and synthesis of amphiphilic compounds derived from proline and proline mimetics as potential transdermal drug delivery systems

Do Vale, M. Luísa; Silva, Sandra G.; Sampaio, Bárbara N.

21378 | Quercetin attenuates silver nanoparticle-induced toxicity in intestinal cells

Santos, Inês; Sousa, Adelaide; Carvalho, Félix; Fernandes, Eduarda; Freitas, Marisa

21562 | Production and characterization of yeast protein extracts and hydrolysates for application in the food industry as flavour enhancers

Pisco, Érica; Almeida, Bernardo; Soares, Susana; Freitas, Victor de

21504 | Development of vegan and clean label ham-like products: more sustainable and healthier food products

Silva, Vasco; Fernandes, Ana; de Freitas, Victor

Room A4 – Health Sciences I

21384 | Beyond the beach: *Escherichia coli* the silence threat to public Health

Gomes, Lúcia; Machado, Ana; Bordalo, Adriano A.

21534 | Multiresistant bacteria in the Douro River in the urban region of Porto

Santos, Bárbara; Ferreira, Helena

21666 | Detection of *Enterocytozoon bieneusi* in non-human primates in Portuguese Zoos

Moreira, Guilherme R.; Cruz, Andreia V. S.; Santos-Silva, Sérgio; Moreira, Rafaela S.S.; Mesquita, João R.

21829 | Genomic Analysis of European Rabbit Strains: Optimizing Virus Identification for Hepatitis E Research

Pinheiro, Margarida C.; Abrantes, Joana; Pratas, Diogo; Lopes, Ana M.; Carneiro, João

21995 | Using microbiome hints to assess marine environmental connection and impact on human health

Vieira, Maria M.; Kahn, Amaranta K.; Almeida, Joana R.; Semedo, Miguel S.; Tomasino, Maria P.

22022 | Histamine Poisoning, the toxin that escapes through our nose

Magalhães, António; Pacheco, Ana; Cosme, Marco; Silva, Rúben; Antunes, Patrícia

22057 | In-depth characterization of vancomycin-resistant *Enterococcus faecium* from hospitalized patients at a Portuguese hospital, 2022-2023

Antunes, Beatriz; Almeida-Santos, Ana C.; Read, Antónia; Alves, Valquíria; Novais, Carla; Peixe, Luísa; Freitas, Ana R.

22094 | Use of the low-cost microscope-MMR in secondary schools in Praia - Cape Verde: a solution to the lack of laboratory equipment

Delgado, Fredson J. S.

Room A5 – Sport Sciences I

21565 | How to improve training of speed. Analysis of reactive, explosive, mobility and 30-meter sprint

Reis, Ricardo; Silva, Pedro; Martins, Simão

21866 | Kinematic and efficiency characteristics when swimming butterfly at two different race paces

Domingues, Luana; Fernandes, Aléxia; Cardoso, Ricardo; Carvalho, Diogo; Monteiro, Sofia; Ferreira, Francisco; Fernandes, Ricardo

22032 | Overall Muscle Strength Can Mitigate the Adverse Effects of Smoking on Firefighters' Lung Function

Nunes, João; Carlos, Bruno J.; Fernandes, David; Barros, João; Cerqueira, João; Magalhães, Ricardo; Santos, José A. R.; Zacca, Rodrigo

Nº Architecture

- 1 **21850 | From Pedagogy to Space: Rethinking School Architecture for the 21st Century**
Brites, Paulo; Santos, André
- 2 **21837 | Beyond Borders: For a Sustainable Territorial Planning in Rio de Onor and Rihonor de Castilla**
Reis, Patrícia A.; Garrido de Oliveira, Carla; Guerreiro, Filipa C.
- 3 **21601 | Retrospective Studies on the History of Portuguese Urban Planning, Part 2**
Almeida, André L.; Furtado, Gonçalo L.
- 4 **22134 | Multiculturalism, from ethnic diversity to ecumenical public Space**
Pinhal, Margarida M.; Guerreiro, Filipa C.; Oliveira, Carla G.

Nº AgroFood

- 5 **21841 | Potential use of native vineyard bacteria to control black-rot**
Guedes, Anabela; Soares, Cármen; Oliveira-Pinto, Paulo R.; Oliveira-Fernandes, Juliana; Gramaje, David; Santos, Conceição
- 6 **21694 | Unravelling phytohormones mediated responses against *Phyllosticta ampellicida* in grapevine**
Teixeira, Maria J.; Medonça Milheiro, Daniel; Oliveira-Pinto, Paulo R.; Oliveira-Fernandes, Juliana; Santos, Conceição
- 7 **21614 | Fighting fire with fire: Can Biological Control Agents (BCAs) be useful in the fight against fire blight disease?**
Graça, Bernardo; Regalado, Laura; Santos, Conceição; Mendes, Rafael
- 8 **21715 | Coffee silverskin as a prebiotic substrate for *Lactocaseibacillus paracasei* subsp. *paracasei***
Machado, Marlene; Maia, Sara; Machado, Susana; Espírito-Santo, Liliana; Oliveira, M. Beatriz P. P.; Ferreira, Helena; Alves, Rita C.
- 9 **21929 | Modulation of phenylpropanoid pathway in *Xanthomonas euvesicatoria* infected tomato plants by *Satureja montana* essential oils and montmorillonite nanoclay**
Oliveira-Pinto, Paulo R.; Oliveira-Fernandes, Juliana; Soares, Cármen; Fernandes-Ferreira, Manuel; Sousa, Rose M.O.F.; Santos, Conceição
- 10 **21954 | Can foliar-applied silicon increase *Castanea sativa* Miller resilience to climate change?**
Ferreira, André; Sousa, Filipa; Mateus, Pedro; Soares, Cristiano; Fidalgo, Fernanda
- 11 **22119 | Biostimulant activity of microalgae and cyanobacteria for agricultural purposes**
Silva, A., Vasconcelos, V., Leão, P.
- 12 **21741 | Exploring the involvement of YUCCA-mediated auxin biosynthesis in *Olea europaea* L. somatic embryogenesis**
Ustymenko, Valeriya; Campos, Catarina; Rodrigues, Lénia; Pires, Rita; Melo, Paula; Cardoso, Hélia
- 13 **21759 | Olive Oil Authenticity: Uncovering Deceptive Practices and Uninformed Consumers**
França, Laura; Monteiro, Duarte; Soares, Filipa; Mendes, Eulália; Cruz, Rebeca; Casal, Susana
- 14 **21816 | Valorisation of *Fagus sylvatica* L. nuts: Insights into fatty acid and vitamin E composition**
Soares, Filipa; Pereira, António; Cruz, Rebeca; Casal, Susana; Lamas, Sandra; Rodrigues, Nuno; Pereira, José A.
- 15 **21981 | Effect evaluation of different nanoinsecticides on *Drosophila melanogaster***
Jesus, Marta; Ganihlo, Catarina; Machado, Sofia; Ribeiro, Artur; Pereira, Ruth; Andreani, Tatiana
- 16 **21979 | Nutrition-Boosted Innovations: Developing food product categories tailored to specific population groups and promoters of well-being**
Aleixo, Sofia; Fernandes, Ana L.; Monteiro, Ana R.; Correia, Daniela; Oliveira, Ana C.; Silva, Sofia V.; Freitas, Victor; Mateus, Nuno; Fernandes, Iva

Nº Sport Sciences

- 17 **21362 | Biomechanical characterization of an artistic swimming women's duet: a case study**
Pinto, Sílvia; Fernandes, Ricardo J.; Rios, Manoel; Ferreira, Francisco A.; Soares, Susana; Santos, Catarina C.; Costa, Mário J.

- 18 **21365 | Force and symmetry in girls and boys during front crawl tethered-swimming**
Machado, Marta; Fernandes, Ricardo J.; Soares, Susana; Costa, Mário J.; Santos, Catarina C.
- 19 **21411 | Random practice and blocks practice: What is more effective in learning the soccer passing technique?**
Branco, Gustavo; Cardoso, Hugo; Ferreira, Joana; Paiva, João; Pacheco, Matheus; Vasconcelos, Olga
- 20 **21651 | Associations between socio-economic status and children's health-related physical fitness in primary school children: The REACT study**
Lázaro, Hugo; Borda, Inês; Maia, José; Garganta, Rui; Farias, Cláudio; Tani, Go; Garbeloto, Fernando; Pereira, Sara
- 21 **21827 | Performance progression in skins race during the LEN European U23 Swimming Championships**
Correia, Sofia; Soares, Susana; Fernandes, Ricardo J.; Felix, Mário; Costa, Mário J.; Santos, Catarina C.
- 22 **21936 | Analyses of swimmers dry-land training effect**
Felix, Mário; Fernandes, Ricardo J.; Correia, Sofia; Nascimento, Paulo; Costa, Mário J.; Santos, Catarina C.; Soares, Susana
- 23 **21991 | Performance related differences between male and female rowing teams**
Romão, Rodrigo; Cardoso, Ricardo; Gomes, Beatriz; Fernandes, Ricardo
- 24 **21645 | Teachers' and students' perceptions on PE curriculum model**
Bastos, Cláudio; Coutinho, Patrícia
- 25 **21693 | The role of synergetic elevation of the body's centre of mass in basketball free throw shooting**
Ferreira, Miguel; Leitão, Pedro; Fonseca, Pedro; Pacheco, Matheus; Guimarães, Eduardo
- 26 **21887 | Feasibility of a 12-week physical exercise intervention in clinical context on patients with Benign Prostatic Hyperplasia**
Bezerra, António P.; Rodrigues, Sílvia; Branco, Frederico; Nunes, Renato; Pizarro, Andreia

Nº Chemistry

- 27 **21364 | Chemical changes underlying different tea processing methods: an overview**
Morão, Ana M.; Cunha, Sara C.; Fernandes, José O.
- 28 **21484 | Chromatographic method for the simultaneous determination of anticoagulant agents in biological samples**
Guidetti, Federica; Fernandes, Sara R.; Barreiros, Luísa; Segundo, Marcela A.
- 29 **21485 | Development of high-performance liquid chromatographic strategies for the analysis of polycyclic aromatic hydrocarbons using monolithic columns**
Corradini, Veronica; Sánchez-Piñero, Joel; Segundo, Marcela A.
- 30 **21490 | Synthesis and structure elucidation of a tetrapeptide precursor for new marine-derived cyclic peptide**
Pacheco, Ana S.; Ribeiro, Ricardo; Sousa, Emília; Fernandes, Carla
- 31 **21498 | Phenolic stability in peach purees due to pasteurization and refrigeration**
Ronda, Lúcia; Silva, Raquel N.; Garrido, Tomás; Alves, Irina R.; Alegria, Maria J.; Fernandes, Ana; Fernandes, Iva; Mateus, Nuno; Freitas, Víctor
- 32 **21561 | Revisiting 4-Methylimidazole Levels in Balsamic Vinegars and Soy Sauces: A decade later - Unravelling Changes and Impacts**
Pacheco, Ana B.
- 33 **21574 | Design and synthesis serine-derived gemini surfactants for RNA delivery**
Cardoso, Pedro; Silva, Sandra G.; Do Vale, M. Luísa C.
- 34 **21578 | Ultrasound assisted extraction with ionic liquids as a greener method for gallic acid extraction from grape seeds**
Lima, Érica; Cravo, Sara; Correia da Silva, Marta; Freire, Mara
- 35 **21621 | Binding studies of a series of synthetic cannabinoids to human serum albumin by high-performance affinity chromatography**
Santos, Rita M. G.; Cravo, Sara; Remião, Fernando; Fernandes, Carla

- 36 **21643 | Automatic assessment of Cathepsin G enzyme activity in wound infection**
Ribas, Inês R.; Mota, Fátima A. R.; Passos, Marieta L. C.; Santos, João L. M.; Saraiva, M. Lúcia M. F. S.
- 37 **21648 | DNA-Functionalized Gold Nanoparticles for Detecting Mutations Associated with Non-Small Cell Lung Cancer**
Topa, Beatriz; Cardoso, André; Enea, Maria; Franco, Ricardo; Pereira, Eulália

Nº Biological Sciences

- 38 **21414 | Bioprospection of sponge associated actinobacteria for the discovery of new antibiotics under the One Health approach**
Bárbara, Caetano; Oliveira, Mariana; Carvalho, M. Fátima; Costa, Paulo M.; Rodrigues, Inês C.
- 39 **21443 | Metabolic pathways of caffeine degradation by *Pseudomonas putida*: a mini-review**
Ferreira, Luana; Alves, Rita C.; Oliveira, M. Beatriz P. P.; Ferreira, Helena
- 40 **21497 | Survey of parasites of the genus *Kudoa* (Myxozoa) in the pouting (*Trisopterus luscus*) muscle**
Ramos, João; Atroch, Fernando; Pardo, Camilo A.; Santos, Maria J.; Rangel, Luís F.
- 41 **21505 | Is take-away Sushi microbiologically safe?**
Duarte, Luciana; Soares, Cármen; Lage, Olga; Quinteira, Sandra
- 42 **21512 | Isolation and characterization of *E. coli* bacteriophages for use in diabetic foot infections**
Coelho, Beatriz; Basavarajappa, Vinaya; Soares, Raquel; Sillankorva, Sanna
- 43 **21515 | Antimicrobial Susceptibility and Genomic Analysis of *Corynebacterium spp.* from the Female Urinary Microbiome**
Morais, Alexandra E.; Ribeiro, Teresa G.; Cappelli, Elisabete A.; Peixe, Luísa
- 44 **21525 | Evaluation of Antimicrobial Peptides (AMPs) bioactivity towards the foodborne pathogen *Listeria monocytogenes***
Rocha, Marta; Narciso, Rodrigo; Gomes, Paula; Cabanes, Didier; Santos, Conceição; Mendes, Rafael
- 45 **21553 | Exploring the mercury dynamics in arctic permafrost microbial communities**
Quelha, Rita; Costa, Joana; Gambardella, Nicola; Magalhães, Catarina
- 46 **21566 | Evaluation of different methods for the extraction and quantification of Microsporidia spores**
Monteiro, Ricardo; Atroch, Fernando; Pardo, Camilo; Santos, Maria; Rangel, Luís
- 47 **21634 | Nematoda parasites from pouting (*Trisopterus luscus*) off the Portuguese coast**
Zhu, Yangrong; Atroch, Fernando; Rangel, Luís F.; Pardo, Camilo A.; Santos, Maria J.
- 48 **21722 | Exploring Actinobacterial Diversity in *Ruta graveolens*: Phylogenetic Identification and Bioactive Potential Investigation**
Ferreira, Sílvia; Ribeiro, Inês; Oliveira, Rui S.; Carvalho, M. Fátima
- 49 **21773 | Cestoda parasites of the pouting (*Trisopterus luscus* (Linnaeus, 1758)) off the Portuguese waters**
Cunha, Ana C. M.; Zhu, Yangrong; Atroch, Fernando M. P. B.; Rangel, Luís Filipe; Pardo, Camilo A.; Santos, M. João
- 50 **21965 | Sterilization Methods of Medical Devices: A Review**
Coelho, José F.
- 51 **22100 | Gut parasite diversity gradient in freshwater and terrestrial hosts in arid West Africa**
Zulcic, Tea; Pizzigalli, Cristian; Gonçalves, Duarte; Santos, Bárbara
- 52 **21775 | Improving the production of the heterologous compatible solute glycine betaine in *Synechocystis*-based chassis**
Santos, Catarina; Tamagnini, Paula; Pacheco, Catarina C.
- 53 **21790 | Skin Protective effects of marine cyanobacteria**
Amorim, Beatriz; Melo, Bárbara; Lopes, Graciliana; Morone, Janaína
- 54 **21817 | Development of hyaluronic acid and collagen films for wound healing**
Soares, Ana; Santos, Delfim; Amaral, M. Helena
- 55 **21826 | Exploring the cosmetic potential of the filamentous cyanobacteria *Calothrix sp.***
Melo, Bárbara; Amorim, Beatriz; Morone, Janaína; Vasconcelos, Vitor; Lopes, Graciliana

- 56 **21462 | Computational Analysis on the Machado-Joseph Disease Causing Protein ATXN3**
Rocha O., Filipe; Maciel, Patrícia; Proença, M. Fernanda; Sousa, Sérgio F.

Nº Health Sciences

- 57 **21351 | Effects of Onychophagia in Oral Microbiome and its relation with oral hygiene habits**
Fonseca, Maeva S.; Ventura, Sandra R.
- 58 **21517 | Food Supplements with Probiotics in the evolution of gastrointestinal dysfunctions**
Lemos, Daniel; Sá, Sofia; Oliveira, Mariana
- 59 **21822 | Incidence of and mortality by tuberculosis around the world: Risk factors**
Rocha, M. João; Dutka, Mykhaylo; Moreira, Ricardo G.; Moutinho, Mariana G.; Fernandez-Llimos, Fernando
- 60 **21849 | Assessment of antimicrobial resistance in Gram-negative bacteria from rivers supplying drinking water: insights for water quality management**
Matos, Cátia; Magalhães, António; Pereira, Francisca; Duarte, Bárbara; Azevedo, Rui; Valente, Margarida; Tavares, Carolina; Rodrigues, Juliana; Almeida, Agostinho; Peixe, Luísa; Novais, Carla; Antunes, Patrícia
- 61 **21877 | A dive into diversity and antimicrobial resistance of *Enterococcus* from rivers used for drinking water production**
Matos, Cátia; Duarte, Bárbara; Magalhães, António; Pereira, Francisca; Azevedo, Rui; Freitas, Ana R.; Valente, Margarida; Tavares, Carolina; Rodrigues, Juliana; Almeida, Agostinho; Peixe, Luísa; Antunes, Patrícia; Novais, Carla
- 62 **21769 | Microbiological Challenges of Insect-derived Food Products**
Granja, Cristiana; Gomes, Ana; Silva, Mafalda; Novais, Maria J.; Guapo, Margarida M.; Antunes, Patrícia

11:30 - 13:00 PARALLEL ORAL SESSIONS II

Room A1 – Architecture II

- 21554 | **The journeys of the Fernando Távora Prize as a research practice in architecture**
Ferreira, Liliano; Santos, André; Casanova, Maria J.
- 21712 | **Travel in Architecture: between life and work**
Amaral, Salomé M.; Santos, André; Casanova, Maria J.
- 21564 | **The evolution of Habitar in theatre scenes, between 2000-2020, at TNSJ**
Mota, Tatiana P.T.
- 21412 | **THE IMPERMANENT MATTER. drawing domestic space from light - a study on Malagueira**
Serra, Rita
- 21536 | **Double Door: Three Distances Between Doors in House Design**
Santos, Rita C.
- 21558 | **The Algarve's forgotten Modern Architectural Heritage: the case of the Gago Rosa House**
Rodrigues, Bárbara C.

Room A2 – AgroFood

- 21756 | **Protein characterisation of black and white sesame using different extraction protocols**
Alves, Ana C.; Carriço-Sá, Bruno; Teixeira, Carla S.S.; Mafra, Isabel; Villa, Caterina; Costa, Joana
- 21760 | **Structural and immunochemical characterisation of gamma-conglutin from different lupine species**
Oliveira, Cíntia; Carriço-Sá, Bruno; Teixeira, Carla S.S.; Mafra, Isabel; Villa, Caterina; Costa, Joana
- 21761 | **Potential cross-reactivity of *Alphitobius diaperinus* larvae in crustacean-allergic patients as affected by physicochemical treatments**
Julião, Rita; Carriço Sá, Bruno; Villa, Caterina; Costa, Joana; Mendes, Eulália; Teixeira, Carla S.S.; Mafra, Isabel
- 21754 | **Immunoreactivity of Gal d 1 and Gal d 2 allergens as affected by food processing**
Melo, Tatiana; Sá, Bruno C.; Villa, Caterina; Teixeira, Carla S.S.; Mafra, Isabel; Costa, Joana

21415 | Development of a new appealing, healthy, and sustainable food product using table grape waste

Fonseca, Mariana F. M.; Cunha, Luís M.; Fonseca, Susana C.

22069 | Use of endophytic yeasts as biological control agents to reduce powdery mildew and anthracnose in strawberry under greenhouse conditions

Correia, Gonçalo; Ponte, Nuno M.; Maldonado, Mayerly; Moura, Inês; Garrido, Andreia; Xavier, Adriana; Tenreiro, Rogério; Centeno, Filipe; Fernandes, Tânia R.; Carvalho, Susana M.P.

21983 | Can glyphosate trigger an intergenerational response in crops? – a case study in tomato plants (*Solanum lycopersicum* L.)

Cruz, Francisca M.; Sousa, Bruno; Fidalgo, Fernanda; Soares, Cristiano

21698 | Understanding climate change impacts on *Castanea sativa* Miller: Exploring mycorrhization as a mitigation approach

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

Room A3 – Chemistry II

21596 | Lipophilicity assessment of antifouling substances

Vidal, Diana; Soares, José; Cravo, Sara; Correia-da-Silva, Marta; Fernandes, Carla; Afonso, Carlos

21602 | Green chemistry in the organic synthesis of a new antifouling compound

Baptista, Catarina; Godinho, Sara; Cravo, Sara; Pinto, Madalena; Correia-da-Silva, Marta

21916 | Synthesis of new chalcone-kojic acid hybrids with potential skin-lightening effects

Gaspar, Ana; Pereira, Daniela; Pinto, Madalena; Correia-da-Silva, Marta; Cidade, Honorina

21733 | Thermoresponsive hybrid polymer/tubule hydrogels: promising nanocarriers for drug delivery

Loureiro, Elsa; Machado, Rui; Gomes, Andreia; Marques, Eduardo F.

21392 | Venomous Safari: Navigating the Animal Kingdom with Bee and Snake Secreted Phospholipases A2

Ribeiro da Silva, Joana; Fernandes, Pedro Alexandrino; Ramos, Maria João, Mukherjee, Ashis K.; Saikia, Kangkon

21672 | Computationally unravelling the multienzyme human fatty acid synthase

Verheyen, Seppe; da Silva, Joana R.; Cunha, Ana; Fernandes, Pedro A.; Ramos, María J.

21675 | Computational Modelling of Electrodes for Lithium-Ion Batteries

Dias, Raul; Magalhães, Alexandre

Room A4 – Health Sciences II

21396 | New Avenues for Old Drugs: A Trojan Horse Strategy to “enhance” ciprofloxacin antibacterial activity

Peixoto, Joana; Gaspar, Alexandra; Borges, Fernanda; Sequeira, Lisa; Cagide, Fernando

21434 | Exploring the possible link between fluoride sensitivity and bacterial defluorination

Maia, Tiago; Carvalho, Maria F.; Alexandrino, Diogo A. M.

21570 | The action of selected natural products as antibiotic resistance modifiers and biofilm control agents

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

21787 | Unveiling Nature's Antibiotic Arsenal: The Antimicrobial activity of a Soil-Derived bacterial Isolate

Costa, Raquel; Grosso, Filipa; Peixe, Luísa.

21847 | The Role of Arctic Permafrost Microbiomes in Mercury Mobilization

Ribeiro, Ana; Costa, Joana; Gambardella, Nicola; Magalhães, Catarina

21923 | Taxonomic and Functional Responses of Deep-Sea Microbial Communities to Cadmium Exposure

Rahman, Saif; Pizarro, Leonor; Magalhães, Catarina; Semedo, Miguel

22095 | Decoding bioaerosols in Antarctica: Microbial diversity in precipitation and surface snow

Vuckovic, Ksenija; Lopes, Eva; Pizarro, Leonor; Semedo, Miguel; Carvalho, M. Fátima; Magalhães, Catarina; Gorodetskaya, Irina

Room A5 – Sport Sciences II

21409 | Aquatic motor competence of two young swimmers age groups

Peres, Margarida; Costa, Mário J.; Ferreira, Francisco A., Carvalho, Beatriz; Fernandes, Ricardo J.; Vilas-Boas, João Paulo; Santos, Catarina C.; Soares, Susana

21513 | The perceptions of youth male football technical coordinators on early specialization

Lenha, João; Garganta, Júlio; Mesquita, Isabel; Coutinho, Patrícia

21603 | Positional differences in strength, agility and speed in basketball

Ribeiro, Simão; Vasconcelos, Olga; Pacheco, Matheus

21699 | Motor variability and synergies in young elite basketball players

Leitão, Pedro; Ferreira, Miguel; Fonseca, Pedro; Guimarães, Eduardo; Pacheco, Matheus

22074 | Laterality relationship between the most proficient foot and heading in Football (success assessment, movement pattern and timing)

Barros, Francisco T.; Fernandes, Diogo S.; Oliveira, Eduardo; Silva, Eduardo

14:30 - 16:00 **PARALLEL ORAL SESSIONS III**

Room A1 – Environment I

21407 | Ecological evaluation of Leça river: macrolitter the missing link in ecological evaluations

Marques, José; Nogueira, Sandra; Rodrigues, Sara, Formigo, Nuno E.; Antunes, Sara C.

21369 | An unseen threat in water quality: microplastics evaluation in the Aguieira reservoir

Guimarães, Catarina; Pinto, Ivo; Antunes, Sara C.

21619 | Microplastics in our fish favourites: are we consuming it?

Lourenço, Sara Couto; Aleluia, Alexandre; Castro, André L.S.; Guilhermino, Lúcia; Barboza, L. Gabriel A.

21583 | Are environmentally-aged microplastics harmful to the health of the Mediterranean mussel (*Mytilus galloprovincialis*)

Ferreira, Milena; Almeida, Marisa; Ramos, Sandra; Guilhermino, Lúcia; Barboza, Luís G.

21999 | Are anthropogenic marine micro-debris contributing to pollution-induced neurotoxicity in marine fish populations?

Aleluia, Alexandre; Barboza, L. Gabriel A.; Guilhermino, Lúcia

21413 | Assessing Personal Air Exposure in Everyday Settings: A Case Study

Silva, Beatriz S.; Pereira, Maria C.; Slezakova, Klara

21419 | Indoor Air Quality and Occupants' Sleep Assessment: Sampling Protocol Development

Guimarães, Maria T. T.; Pereira, Maria C.; Slezakova, Klara

Room A2 – Economics and Management I

21374 | Heterogeneity in real wage cyclicality: evidence for the Portuguese labour market

Silva, Tiago C.

21861 | Occupational Segregation in Portugal: Empirical Evidence, 2010-2020

Duarte, Flávia

21845 | Tax Incentives and Investment Efficiency

Ribeiro, José A.

22042 | Impact of Tax Incentives on the Quality of Investment in Firms with Financial Constraints in Portugal: An Empirical Analysis

Ribeiro, Nanci; Duarte, Fábio; Azevedo, Nuno

22034 | The Tax Progressivity Puzzle: Unravelling the Trade-off between Inequality and Growth

Sousa, Ana

Room A3 – Chemistry III

21502 | Effective photocatalytic degradation of Rhodamine B in water by innovative hybrid nanomaterials

Feiteira, Rúben; Pereira, André M.; Pereira, Clara R.; Kuzniarska-Biernacka, Iwona; Nunes, Marta S.

21509 | Functionalization of textile substrates with bioactive compounds from by-products of different industries

Gomes, Fábio A. C.; Pereira, Clara R.; Costa, Filipa; Silva, Carla J.

21613 | Morphology and Wettability of Thin Films of Ionic Liquid Mixtures on Solid Surfaces

Silva, Soraia; Carvalho, Rita; Bastos, Margarida; Santos, Luís; Costa, José

21685 | MOF-808 as effective catalyst to enhance sustainable chemical processes

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

21774 | Valorisation of biomass by-products in the conception of new materials

Soares, Ana; Marques, Inês; Pereira, Eulália; Leite, Andreia

21856 | Implementation of a dynamic solid-phase extraction procedure to collect volatile organic compounds emitted from wood-based panels

Fernandes, Raquel T.; Santos, João R.; Rodrigues, José A.; Ramos, Rui M.

21864 | Structural and rheological properties of thermosensitive vesicle loaded hydrogels

Zoco De La Fuente, Aitana; Machado, Rui; Oliveira, Isabel S.; Marques, Eduardo F

Room A4 – Health Sciences III

21391 | Exploration of the anticancer effect of the combination of metformin and aspirin in colorectal cancer cell lines

Pinto, Sara; Gonçalves, Joana; Carmo, Francisca; Silva, Cláudia; Andrade, Nelson; Martel, Fátima

21457 | Overcoming pancreatic cancer drug resistance with a new inhibitor of DNA damage repair

Silva, Rita; Calheiros, Juliana; Barbosa, Filipa; Corbo, Vincenzo; Almeida, Maria Inês; Mulhovo, Silva; Ferreira, Maria J.; Saraiva, Lucília

21626 | Exploring the Cytotoxic Potential of New Quinones against Cancer Cells

Alves, Elen O.; Pereira, David M.; Housseem, Boulebd

21945 | Establishing and characterizing a novel gemcitabine-resistant pancreatic cancer cell line

Gonçalves, Patrícia; Vasconcelos, M. Helena; Xavier, Cristina P.R.

21982 | Synergic role of ibuprofen and chitosan/poly-gamma-glutamic acid nanoparticles in chondrogenesis promotes collagen deposition under a pro-inflammatory environment

Ribeiro, Beatriz; Castro, Ana L.; Pilão, Sofia; Barbosa, Mário A.; Santos, Susana G.; Gonçalves, Raquel M.

22102 | A novel therapeutic strategy for PDAC patients with impaired Rab27a expression

Lopes, Daniel; Dias, Carolina; Batista, Inês; Alves, Sara; Almeida, Sofia; Cravo, Marília; Carneiro, Fátima; Melo, Sónia A.

Room A5 – Criminology and Law I

21356 | Parenting styles and children and youth's externalizing and internalizing behaviours: the indirect effect of self-control

Almeida, Diana; Santos, Gilda

21403 | Navigating social reintegration after prison: Understanding the perspectives and experiences of sexual offenders on parole

Cardoso, Ana R.; Santos, G.

21427 | Cyberbullying and Cybervictimization: Relationship with parenting styles, empathy and sex

Oliveira, Catarina D.; Santos, Margarida A.

21503 | "It was horrible, it was traumatic" – Secondary victimisation of migrant women under Narrative Victimology approach

Silva, Nathália; Faria, Rita

21551 | From Hacktivism to Cyberterrorism: The "Killnet" Group and the Protection of Cyberspace in Portugal

Pinto, Rúben; Faria, Rita; Garrido, Rui

Nº Architecture

- 1 **21445 | Memory, territory, identity. Journey through the cooperative wineries of the Junta Nacional do Vinho**
Livramento, Patrícia; Costa, Ana A.
- 2 **21870 | Reimagining the Present to Design Tomorrow: adaptability and flexibility in Architecture**
Araújo, Nadja G.; Lage, José A. A.
- 3 **21874 | Contribution to A New Machine for Living for the 21st Century Affordable Rent Housing Project for The Monte Da Bela Neighbourhood, Porto**
Seixas, Filipe
- 4 **22063 | Spatiality and Meaningful Experiences in The Work of Fernando Távora and Álvaro Siza Carneiro, Manuel J.; Furtado, Gonçalo**

Nº Environment

- 5 **21776 | Carbon Dots from sustainable precursors**
Castelo, Catarina; Fernandes, Sónia; da Silva, Joaquim E.; da Silva, Luís P.
- 6 **21620 | Optimization of conducting glass substrates for photoelectrochemical devices**
Gomes, Vítor; Lopes, Telmo; Rodrigues, Leonardo; Khan, Amin; Dias, Paula; Lopes, Tânia; Mendes, Adélio
- 7 **21897 | Ozone Sidestream Technology for the Pre-Oxidation of Water for Human Consumption**
Pires, Soraia; Marrocos, Paulo; Moreira, Francisca; Narcizo, Alexandre; Pituco, Mateus; Rodrigues, Karolina; Santos, Carla; Vilar, Vitor
- 8 **21697 | Cork powder biochar in a holist approach for the treatment of textile wastewater**
Couto, Guilherme; Ferreira, Ricardo M.; Soares, O. Salomé G.P.; Pintor, Ariana M.A.; Pereira, M. Fernando R.; Botelho, Cidália M.S.
- 9 **21840 | Optimization of DNA Extraction Methods for Metagenomic Analysis in Surface Water Samples**
Matos, Cátia; Duarte, Bárbara; Freitas, Ana R.; Valente, Margarida; Tavares, Carolina; Rodrigues, Juliana; Peixe, Luísa; Novais, Carla; Antunes, Patrícia
- 10 **21809 | Exploring bioremediation potential of microorganisms isolated from estuarine sediments for biodegradation of an antidepressant pharmaceutical**
Faria, Benedita; Fernandes, Joana P.; van Heerden, Alexandre, Ribeiro Lado, Ana R.; Almeida, C. Marisa R.; Mucha, Ana P.
- 11 **21804 | Unveiling the plant growth promoting traits of different microorganisms to enhance saltmarsh plant growth and endurance during phytoremediation trials**
Canito, Francisco; Pereira, Margarida; Almeida, C. Marisa R.; Mucha, Ana P.; Fernandes, Joana P.
- 12 **22049 | Groundwater Quality Assessment in the Area Adjacent to the Chemical Complex of Estarreja**
Nunes, Diogo; Machado, Diogo; Patinha, Carla; Pereira, Ruth; Cachada, Anabela
- 13 **22062 | Effect of soil biofertilizer in the functional profile of the soil microbial community through Biolog Assay**
Lima, Sonny; Pacheco, João; Ganiho, Catarina; Andreani, Tatiana; Godinho, Mariana; Pereira, Sofia; Pereira, Ruth
- 14 **21943 | Determination of Vitamin C content in spinach plants grown under the use of cyanobacteria biomass as fertilizer**
Martins, Diogo; Massa, Anabella; Reimão, Mariana; Vasconcelos, Vitor; Campos, Alexandre; Pinto, Edgar; Freitas, Marisa
- 15 **21533 | The ecotoxicological effects of metformin in aquatic standard species, in a climatic change scenario**
Rojais, Marta; Rodrigues, Sara; Antunes, Sara C.
- 16 **22030 | Quantification and characterisation of marine litter collected through an innovative removal technology**
del Oro Alcalde, Diego; Sousa-Pinto, Isabel; Iglesias, Isabel; Kett, Gary; Antunes, Sara C.; Vieira, Luís R.

- 17 **21986 | Seasonal Assessment of Microplastics (MPs) Contamination in Farmed Oysters (*Crassostrea gigas*) from the Lima River estuary**
Moura, Cláudia; Almeida, C. Marisa R.; Ramos, Sandra; Freitas, Vânia
- 18 **21920 | Validation of an LC-MS/MS method for the monitorization of antifouling booster biocides in *Mytilus* spp**
Azevedo, Joana; Oliveira, Isabel; Vasconcelos, Vitor; Chisenga, Jane
- 19 **22127 | Application of Natural Deep Eutectic solvents (NADES) for extraction and valorisation of Macroalgae beach wrack to produce targeted biostimulants and fertilizers**
Balaji, Srivarshine; Sousa, Leonardo; Lopes, Graciliana; Gomes, Carlos R.; Cunha, Isabel O.
- 20 **21463 | Bioprospecting for cellulose-degrading microorganisms**
Almeida, Liliana; Alexandrino, Diogo A. M.; Oliveira, Rui S.; Carvalho, Maria F.; Freitas, Marisa
- 21 **21454 | Impact of particle size on the extraction of tannins from chestnut shells aiming a coagulant production**
Santos, Inês; Tomasi, Isabella; Boaventura, Rui; Botelho, Cidália
- 22 **21908 | Optimization of Antioxidant Extraction from Seaweed Using Design of Experiments**
Santos, Francisca; Morais, Stephanie; Ramalhosa, M. João; Domingues, Valentina F.; Soares, Cristina; Delerue-Matos, Cristina
- 23 **21976 | Nitrous oxide emissions and nosZ genes abundance in soil samples from an oak plantation and a puddle**
Ferraz, Ana; Nunes, Diogo; Vieira, Mariel; Almeida, Vanessa; Semedo, Miguel; Magalhães, Catarina
- 24 **21996 | The impacts of viticulture practices on Portuguese soils**
Vieira, Bruna; Ganiho, Catarina; Soares, Rui; Andreani, Tatiana; Pereira, Ruth
- 25 **21952 | Bioclimatic and Potential Natural Vegetation (PNV) analysis aids the restoration of Cabeceiras de Basto Native Forests**
Pacheco, Gonçalo; Alves, Paulo; Freitas, Luís; Honrado, João; Vila-Viçosa, Carlos
- 26 **21935 | Combining Soil and Satellite Remote Sensing variables with climate data aids the conservation of the Iberian endemic *Juniperus navicularis* Gand. (Cupressaceae)**
Ferreira, Catarina; Gonçalves, João; Arenas-Castro, Salvador; Jimenez, Carles; Vila-Viçosa, Carlos
- 27 **22092 | Environmental safety of chitosan and clay nanobiopesticides incorporating essential oils**
Santos, Francisco; Pereira, Ruth; Ribeiro, Artur; Machado, Sofia; Ganiho, Catarina; Andreani, Tatiana; Sousa, Rose M.
- 28 **21781 | Crosstalk between adaptation and detoxification in pinnipeds: genomic insights for hazard assessment**
Amorim, Inês; Oliveira, Diogo; Castro, Filipe; Ruivo, Raquel; Lopes-Marques, Mónica.
- 29 **22137 | Effects of the chronic exposure of cerium dioxide nanoparticles on polychaeta *Hediste diversicolor* using antidefense oxidative stress enzymes**
Costa, Ana; Daniel, David; Nunes, Bruno; Neves, José; Correia, Alberto T.

Nº Chemistry

- 30 **21658 | Efforts Towards the Development of a Chemosensor for Chiral Amino Acid Detection: Synthesis and Structural Characterization of a Xanthone-based Derivative**
Borges, M. Margarida P.; Gonçalves, Virgínia M. F.; Ribeiro, Carlos J. A.; Silva, Eduarda M.P.; Tiritan, M. Elizabeth
- 31 **21735 | Energetic Study of Two Carbamazepine Polymorphs**
Pereira, Ana M.M.; Freitas, Vera L.S.; Ribeiro da Silva, Maria D.M.C.
- 32 **21755 | Upcycling PET waste into innovative supramolecular structures**
Guimarães, Susana; Rebelo, Susana; Silva, Luís C.; Silva, Ana M.G.
- 33 **21768 | Click on Click: Development of functionalized polymersomes encapsulating promising anti-cancer small molecules**
Saraiva, Nuno M.; Alves, Ana; Carvalhal, Francisca; Costa, Paulo; Correia-da-Silva, Marta
- 34 **21937 | Probing the Assembly of Fluorescent Glypromate-Based Conjugates**
Oliveira, Joana P.; Silva-Reis, Sara C.; Maronde, Daiane; Correia, Xavier C.; Costa-Almeida, Hugo F.; Costa, Vera M.; Sampaio-Dias, Ivo E.
- 35 **21951 | Study of drug-membrane interactions in liposome systems**
Ribeiro, Cristiana R.C.C.; Amaral, Luísa M.P.F.

- 36 **21963 | Synthesis and Biological Evaluation of Novel Glypromate Conjugates with Bioactive Amines for Application in Neurodegenerative Diseases**
Costa-Almeida, Hugo F.; Silva-Reis, Sara C.; Correia, Xavier C.; Costa, Vera M.; da Silva, Daniela C.; Pereira, David M.; García-Mera, Xerardo; Rodríguez-Borges, José E.; Sampaio-Dias, Ivo E.
- 37 **21993 | Eco sustainable PET plastic waste depolymerization**
Coelho, Hugo M. N.; Silva, Ana M. G.; Rebelo, Susana L. H.
- 38 **22061 | Replacement of Picolinic Acid by Pyrazinoic Acid in Melanostatin Peptidomimetics**
Silva, Bruna D.M.; Almeida-Torres, Ana D.; Pires-Lima, Beatriz L.; Sampaio-Dias, Ivo E.
- 39 **22071 | Initial steps into the synthesis of a hydrophilic siderophore mimetic for the removal of heavy metals in wastewater**
Maciel, Leonor; Amorim, Célia; Sousa, Emília; Resende, Diana I.S.P.
- 40 **22090 | Exploring Heteroaromatic Scaffolds as Proline Surrogates in Melanostatin Neuropeptide**
Almeida-Torres, Ana D.; Dias M. Silva, Bruna; L. Pires-Lima, Beatriz; Sampaio-Dias, Ivo E.

Nº Criminology

- 41 **21751 | Individual Differences Among Hackers**
Canudo, Maria; Guedes, Inês S.; Moreira, Samuel
- 42 **22068 | Fear of Sexual Harassment in Transit Environments**
Ribeiro, Tatiana L.; Guedes, Inês; Moreira, Samuel
- 43 **21361 | Media use and children's internalizing and externalizing behaviours: the role of parental monitoring and supervision**
Couto, Gabriela; Cardoso, Carla; Santos, Gilda
- 44 **21450 | Exposure to community violence and juvenile delinquency: the indirect effects of guilt and shame**
Teixeira, Beatriz; Santos, Margarida; Santos, Gilda
- 45 **21508 | The Path to Killnet: An Analysis of the Group's Radicalization Process**
Barcelos, Luísa; Faria, Rita; Garrido, Rui
- 46 **21516 | Methodological challenges of researching prison settings: examples from Brazil and Portugal**
Ribeiro, Ana R.; Andrade, Dayanne J.; Faria, Rita J.
- 47 **21548 | How does motherhood influence the adaptation to prison? Exploring the perceptions of the prison staff**
Nogueira, Ana J.; Santos, Gilda
- 48 **21710 | Forest fires as environmental crimes: Analysis of official crime records**
Carrusca, Maria; Faria, Rita
- 49 **21711 | Why do we fall for fake news? Using psychophysiological measures to understand the susceptibility to disinformation**
Vilhena, Matilde; Cardoso, Carla; Guedes, Inês
- 50 **21747 | When observers become the observed: perceptions of the use of bodycams**
Duarte, Ana R.; Cardoso, Carla; Moreira, Samuel
- 51 **21851 | Youth in the Digital Era: Unravelling the Complexities of Online Grooming and Sexual Solicitation in Portuguese Teenagers**
Nápoles, Lara; Guedes, Inês
- 52 **21854 | The reaction of the Justice System to Environmental Crime**
Sá, Alexandre; Faria, Rita
- 53 **21871 | The influence of risk and protective factors on female antisocial behaviour**
Carvalho, Lara; Santos, Margarida; Gomes, Hugo S.
- 54 **21938 | Critic of the Legal Context Related to Environmental Crimes**
Neto, Arthur B.
- 55 **21968 | The Portuguese Fake News Database**
Santos, Francisco; Garcia, Henrique; Moreira, Samuel; Cardoso, Carla S.; Guedes, Inês
- 56 **22035 | Assessing antisocial attitudes within the framework of the Integrated Cognitive Antisocial Potential (ICAP) theory: Development of the new Antisocial Behaviour and Beliefs Assessment (ABBA)**
Barqueiro, Beatriz; Vilhena, Matilde; Nápoles, Lara; Gomes, Hugo S.

- 57 **22036 | Police perspectives on the use of big data in criminal prevention and investigation**
Glória, Carolina
- 58 **22099 | Hacktivism: Social Perception**
Felício, Margarida; Guedes, Inês; Moreira, Samuel

Nº Economy

- 59 **21997 | The impacts of drought on soybean agriculture in Northern Mato Grosso: an ESG approach**
Galvão, Desirêe F.

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

Room A1 – Environment II

- 22087 | Sustainability of Agricultural Production: A comparative analysis of data from Brazil, China, the United States and India from 2000 to 2020**
Alves, Arone; Calmon, Beatriz; Pacheco, Alexandre
- 21473 | Influence of different concentrations of nickel in the phytochelatin synthase 1 gene expression in *Arabidopsis thaliana***
Mota, Inês; Afonseca, Ana; Teixeira, Jorge
- 21449 | Methallothionein-encoding genes are differentially regulated in different organs of *Arabidopsis thaliana* by exposure to high Ni levels**
Afonseca, Ana; Mota, Inês; Pereira, Luís G.; Teixeira, Jorge
- 21595 | Assessment of the effects of iron in *Arabidopsis thaliana*'s oxidative status**
Vasques, Gonçalo; Soares, Leonel; Pereira, Cláudia; Teixeira, Jorge
- 22085 | Sustainable Valorisation of Chestnut Processing Waste: Development of Functional and Biodegradable Films**
Silva, Simão B.; Fontoura, Ana; Lucas, João; Vieira, Elsa F.; Freitas, Olga; Delerue-Matos, Cristina; Domingues, Valentina F.
- 21670 | Photocatalytic removal of organic pollutants from wastewaters using TiO₂-Carbon Dots nanocomposites**
Rodrigues, Carlota; Sendão, Ricardo; Esteves da Silva, Joaquim C.G.; Pinto da Silva, Luís
- 21472 | Development of a novel system to evaluate removal of synthetic musks from surface waters**
Madzi, Tamara G.; Alexandre, Rui L.; Alexandra, Sara C.

Room A2 – Economics and Management II

- 21988 | Geopoliticization of Trade: Challenges and Changes in Business Strategies**
Magalhães, Adriana F.
- 21818 | “An opportunity or a disaster? Unpacking Brexit’s influence on FDI Flows in and out of Asia”**
Correia, Raquel; Lopes, Rita; Martinho, Carolina; Freitas, Fabiana
- 21872 | Is the Book Judged by Its Cover? Unveiling Corruption’s Impact on Foreign Direct Investment in the PALOP economies**
Dias, Filipa S.; Castro, Isabella B.M.; Ramos, Matilde C.; Resende, Mariana S.
- 21360 | Women in Manufacturing: Challenges’ and Drivers’ Influence on Self- and Collaborators’ Perceptions as Entrepreneurs**
Monteiro, Sandra R.
- 22017 | Exploring Participation of Muslim Women in Sport: A Systematic Review of Literature**
Ferreira, Camila; Batista, Paula; Sales, Matheus; Carvalho, Maria J.

Room A4 – Criminology and Law II

21404 | “Bicha de um lado, homem do outro”: Experiences of imprisonment by the Brazilian LGBT community

Andrade, Dayanne J.M.S.; Faria, Rita J. H. T.; Pina, Miriam S.

21544 | The influence of education and work experience in the area of justice and security on public perceptions of crime seriousness

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

21883 | Perceptions of procedural justice in shaping legal attitudes and behaviour: a legal socialization approach to the study of juvenile delinquency

Damas, Patrícia; Moreira, Samuel; Cardoso, Carla

21893 | Causation in civil liability of healthcare professionals: the systemic issues

Ramalheira, Ricardo

Room A4 – Health Sciences IV

21556 | Harnessing milk-derived nanoplateforms to mitigate oxidative stress in hypertension

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

21703 | Unveiling uterine senescence and its potential role in age-related female fertility decline

Formoso, Inês; Guedes-Martins, Luís; Almeida, Henrique; Silva, Elisabete; Matos, Liliana

21752 | Characterization of a Cell Model with a Mitochondrial DNA Mutation and Evaluation of Novel Therapeutic Strategies for Mitochondrial Diseases

Pinho, Brígida R.; Martins, Vasco; David, Hugo; Miguel-Sousa, Bruno; Chacko, Anitta; Nogueira, Célia; Duchon, Michael R.; Oliveira, Jorge M. A.

22025 | Decoding the endocrine pancreas regulome and its implications in type 2 diabetes development

Sousa, Diogo; Duque, Marta; Bao, Marta; Bessa, Jose

21716 | The Missing Link between Iron-Induced Reactive Oxygen Species and Protection against Mycobacterial Infections

Oliveira, Isabel; Fonseca, Óscar; Ribeiro, Nuno; Santos, Débora; Gomes, M. Salomé; Resende, Mariana; Moreira, Ana C.

Quinta-feira, 09 de maio | May, 09th, Thursday

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

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

Room A1 – Astronomy

21674 | Potential Field Source Surface Extrapolation Constrained by Coronal Observations

António, Carlos; Lima, João; Chifu, Iulia; Gafeira, Ricardo

22089 | Looking for new stellar activity proxies using HELIOS data: towards other Earths

Branco, Pedro; Santos, Nuno; Silva, João

21848 | Oscillations in cool-dwarf stars through the spectrograph ESPRESSO

Costa, Rúben; Campante, Tiago; Monteiro, Mário.J.P.F.G.; Moedas, Nuno

21592 | Probing the interior of Subdwarf B stars with asteroseismology

Amaral, Juliana H.; Cunha, Margarida M. S.; Avelino, Pedro P.; Falorca, Anselmo J. G.; Damasceno, Yuri C.

21593 | Measuring the curvature of the universe with the redshift drift

de Melo e Sousa, Mariana A.F.; Martins, Carlos

21627 | Updated constraints on Regge-Teitelboim gravity

Pinto, Samuel R.; Martins, Carlos J. A. P.

Room A3 – Arts I

- 21389 | Between Positions and Oppositions: Aesthetic Decolonial Turn and the Choreography "21" by Grupo Corpo**
Geroto, Camila M.C.
- 21376 | Flâneuse: On the possibility of a female equivalent to the flâneur**
Pardo, Alejandra
- 21793 | Undressing the Body: Ecdysis and Metamorphosis as Memory for Body Reconstruction**
Rocha, Mariana M.
- 21617 | Reflection about the framework for cultural heritage restitution policies: a case study of the Mesoamerican treasures of MHNC-UP**
Silva, Henrique
- 21563 | Journal of the Invisible: a chronicle about illness and disability as motivators of the artistic process**
Rosetto, Nara C.

Room A4 – Health Sciences V

- 21438 | Serum Ferritin Release During Infection – a Role for Extracellular Vesicles?**
Gomes, Leonor T. S.; Fonseca, Óscar; Pires, José; Oliveira, Gabriel; Ramos, Ana S.; Oliveira, Isabel; Silva, Tânia; Freitas, Daniela; Gomes, M. Salomé; Moreira, Ana C.
- 21465 | Human Induced Pluripotent Stem Cells as a Disease Model for MPS III**
Almeida Barbosa, Matilde; Carvalho, Sofia; Santos, Juliana I.; Moreira, Luciana; Moutinho, Maria E.; Duarte, Ana J.; Gaspar, Paulo; Coutinho, M. Francisca; Alves, Sandra
- 21762 | Characterization of zebrafish model with thyroid-targeted BRAFV600E overexpression**
Caridade, Lucas; Macedo, Sofia; Soares, Paula
- 21819 | Development and validation of an analytical method to assess the importance of using gauze dressings in luer-lock connection systems during the preparation of cytotoxic drugs**
Silva, Clara P.; Carmo, Helena; Oliveira, Vânia; Carvalho, Daniel; Moreira, Fernando
- 22051 | Rejuvenation of aged osteoprogenitor mesenchymal stem cells through mechanical-induced purinome priming: *in vitro* expansion and pre-clinical proof-of-concept**
Pereira-Gonçalves, Ana L.; Bessa-Andrês, Catarina; Pinto-Cardoso, Rui; Carvalho, Liliana; Gaio-Ferreira-Castro, Joana M.; Costa, Maria A.; Canadas, Ana; Marinhos, José; Lemos, Rui; Vilaça, Adélio; Oliveira, António; Correia-de-Sá, Paulo; Noronha-Matos, José B.
- 22058 | A New Mechanism for an Old Problem: S100A9-Enriched Extracellular Vesicles Trigger Endothelial Dysfunction in Heart Failure with Preserved Ejection Fraction (HFpEF)**
Dias-Ferreira, João; Silva, Elsa D.; Cerqueira, Luísa; Zhelezovskaya, Tatiana; Costa, Liliana; Vasques-Nóvoa, Francisco; Santos, Susana G.; Santarém, Nuno; Conceição, Glória; Vitorino, Rui; Nascimento, Diana S.
- 21846 | Using CRISPR/Cas9 to “correct” patient-derived induced pluripotent stem cells: a story of novelty and challenges in the context of a rare genetic disorder**
Moutinho, M. Eduarda; Duarte, Ana J.; Gonçalves, Mariana; Matos, Liliana; Coutinho, M. Francisca; Amaral, Olga; Alves, Sandra; Moreira, Luciana

Room A5 – Sport Sciences III

- 21371 | Behavioural regulation and intention to remain in swimming training: an age-group comparison**
Souza, Luiz; Santos, Catarina C.; Fernandes, Ricardo J.; Monteiro, Diogo; Costa, Mario J.
- 21964 | The Role of the Coach in the Positive Development of Children and Adolescents through Sport**
Fernandes, Cristina; Sofia, Rui; Barreiros, André
- 22054 | Towards the understanding of motivation in physical education classes: The role of basic psychological needs and goal achievement motivation**
Lucas, Diana; Sofia, Rui; Moreira, Maria M.; Ribeiro, Joana B.; Almeida, Maria J.
- 22076 | Peer support throughout the athlete’s sport participation: a systematic review of literature**
Vieira, Mariana; Mesquita, Isabel; Coutinho, Patrícia

22097 | Motivational Factors and Physical Activity Behaviours: Exploring Self - Determination Theory in Adults from the Northeast of Portugal

Moreira, Maria M.; Ribeiro, Joana B.; Sofia, Rui; Almeida, M. João

10:30 - 11:30 **POSTER SESSION P3**

Nº Arts

- 1 21639 | Artificial Intelligence as a creative tool for type designers**
Ribeiro, Maria; Amado, Pedro
- 2 21681 | Modular Typography: Development of a Typographic Game**
Mineiro, Laura; Amado, Pedro; Fava, Fabrício
- 3 21689 | Food and Familiar Memory: An Open Self-Narrative Archive**
Aguiar, Leonor
- 4 21696 | Playing with Colour: Exercises to Explore Colors as a Unique Emotional Language in Graphic Design and as a Catalyst for Creativity**
Sousa, Vanessa
- 5 21886 | Figuras de Costumes - Portraits of Portugal**
Vergueiro, Pedro; Gaspar, Rita; Duarte, Alice
- 6 21901 | The Ancient Door- Graphic Narrative adapted to the Manga style, Isekai genre**
Silva, Carolina
- 7 21933 | Design under market logic - A critical analysis of graphic design and its practice in a neoliberal society**
Carvalho, Cintia F.R.

Nº Sport Sciences

- 8 21590 | Physical activity patterns in children and youth in Down syndrome: An exploratory study**
Silva, Lucas W. M.; Martins, Clarice M. L.; Bastos, Tânia C. L.
- 9 21649 | The associations between physical fitness and fundamental movement skills in primary school children: The REACT study**
Borda, Inês; Lázaro, Hugo; Maia, José; Garganta, Rui; Farias, Cláudio; Tani, Go; Garbeloto, Fernando; Pereira, Sara
- 10 21912 | A Reflection on Congruence between Fan Profiles and Sponsor Brands in Portuguese Football Clubs: A Research Proposal**
Estefano, Thiago H. S.; Carvalho, M. José; Rodrigues, Pedro
- 11 21961 | Physical activity and competitive sports practice in university students without sports-related curricular units**
Rodrigues, Lígia; Costa, Mário J.; Ferreira, Francisco A.; Fernandes, Ricardo J.; Santos, Susana; Soares, Catarina C.
- 12 22015 | Talent development environment: A case study in a sailing club**
Luís, Mariana; Barreiros, André; Dias, Cláudia
- 13 22079 | Body composition and physical fitness data in a group of inpatients of an Internal Medicine Department**
Rocha, Marta; Ramos, João; Lino, Francisca; Ribeiro, José; Pinhão, Sílvia; Almeida, Jorge
- 14 22082 | Physical fitness, health perception and physical activity habits in a group of patients with different chronic non-communicable diseases**
Ramos, João; Rocha, Marta; Matos, Catarina; Campos, Luísa; Dias, Ana; Sarmiento, Margarida; Ribeiro, José; Pinhão, Sílvia
- 15 21939 | Aquatic competence of first-year undergraduate sport students at the University of Porto**
Lemos, Inês; Meque, Páscoa; Ferreira, Francisco A.; Fernandes, Ricardo J.; Costa, Mário J.; Santos, Catarina C.; Soares, Susana
- 16 22027 | Results of a digital marketing strategy applied in the Portuguese Swimming Federation**
Cavaleiro, Beatriz; Lavinha, Isabel; Santos, Catarina C.; Soares, Susana

Nº Astronomy & Maths

- 17 22109 | Type Ia Supernovae host galaxies: a local vs global perspective of host galaxy effects on SN Ia luminosity using VLT/MUSE IFS data
Sousa, José; Paulino-Afonso, Ana
- 18 21436 | The influence of Mathematical Mindset on Students' Assimilation of Feedback
Guardini, Maria C.; Lima, Louise
- 19 21479 | Formative assessment through peer feedback: Contribution to the development of students' written mathematical communication
Santos, Carolina; Lima, Louise
- 20 21535 | The strategies used by students when carrying out mathematical tasks involving the exploration of patterns
Reis, Sofia; Lima, Louise
- 21 21560 | Mathematical Homework Potential
Rodrigues, Gabriela; Lima, Louise
- 22 21594 | Student autonomous work and challenging tasks in mathematics: group problem solving as an opportunity for students to exercise their autonomy
Oliveira, Joana; Lima, Louise
- 23 21598 | Math learning from the ATENA Project: perception of students and teachers
Quaresma, Pedro; Lima, Louise
- 24 22038 | The Metacommutation Problem in the Hurwitz Integers
Leite, António

Nº Psychology & Education Sciences

- 25 21628 | "Freedom feels so good"- The life story of a former inmate
Teixeira, Mandy; Algarinho, Beatriz; Dubert, Cristina; Pinto, Rafaela; Sampaio, Marta; Silva, Sofia
- 26 21432 | Pedagogical practices that promote inclusion: perspectives, challenges and reflections
Oliveira, Gabriela de Araújo; Louise, Lima.; Trindade, Rui.
- 27 21439 | The notion of inclusive education for children and young people with educational needs: the reframing process of the Learning Support Center (CAA) as a movement for equity and pedagogical differentiation
Silva, Catarina; Lima, Louise; Trindade, Rui
- 28 21442 | Mathematical Mail: feedback and letter writing as promoters of written mathematical communication
Gonçalves, Ana; Lima, Louise
- 29 21482 | Mathematical Learning with the Use of Digital Class Notebook and GeoGebra: A Pedagogical Experience in the Learning of Linear Functions and Systems of Linear Equations
Vale, Tiago; Lima, Louise
- 30 21589 | The role of the gallery walk to foster 9th graders' skills in solving-and-expressing mathematical problems
Santos, Maria L; Ferreira, Rosa, T.
- 31 21609 | What do students value in learning mathematics? An exploratory study with 9th graders
Quadros, Natanael; Ferreira, Rosa T.
- 32 21714 | Level of support for the rights of CPLP students in higher education in Porto
Braga, M. Clara; Massanga, Celina G.; Viana, Bianca; Menezes, Isabel
- 33 21575 | Feedback and its relationship with the improvement of learning in mathematics: perspectives of 10th grade students
Parente, Francisca; Delgado, Fátima
- 34 21547 | Perspectives and difficulties in the face of problem formulation: a research with 8th grade students
Ribeiro, Diana; Delgado, Fátima

Nº Biological Sciences

- 35 21526 | Modulation of the osteosarcoma microenvironment by engineering osteoclasts with non-coding RNAs
Pinto, Eduarda; Moura, Sara R.; Almeida, Maria I.

- 36 **21742 | Evaluation of the role of HMGA1 protein in colon cancer stem cells**
Monteiro, Inês; Mesquita, Patrícia; Pádua, Diana; Almeida, Raquel; Pinto, Débora F.; Pereira, Carlos F.
- 37 **21852 | Evaluation of the anticancer potential of the macrofungus *Pisolithus arhizus* mycelium and culture medium**
Santos, Germana; Preto, Marco; Vasconcelos, Vitor; Martins, Rosário; Oliveira, Rui S.
- 38 **21876 | Development of a stable melanoma dual reporter cell line expressing Luciferase and GFP**
Aguiar, Gonçalo; Torres, Sílvia; Prudêncio, Cristina; Soares, Raquel; Coelho, Pedro
- 39 **21980 | A biomarker-based model for early cancer detection in Hereditary Diffuse Gastric Cancer**
Fernandes, Raquel; Ferreira, Daniel

Nº Health Sciences

- 40 **21491 | The role of hypoxia in the KRT17 and TPSAB1/B2-mediated modulation of the colon cancer microenvironment**
Peixoto, Maria; Cardoso, Ana P.; Pereira, F.; Fernandes, Verónica; Pereira, Luísa; Oliveira, M. José; Amorim-Costa, Ângela
- 41 **21529 | Unveiling the mechanisms of CCL18-mediated colorectal cancer cell invasion**
Ribeiro, Ana C.; Marques-Magalhães, Ângela; Pinto, Marta L.; Pinto, Marta T.; Amorim-Costa, Ângela; Pereira, Bruno; Almeida, Raquel; Cardoso, Ana P.; Oliveira, Maria J.
- 42 **21567 | Epitranscriptomics and metabolism: relation between the FTO eraser and lactate production in renal cell carcinoma**
Silva, Miguel M.; Guimarães-Teixeira, Catarina; Jerónimo, Carmen
- 43 **21659 | Metabolomic signatures for the diagnosis of bladder cancer**
Sousa, Tiago; Carapito, Ângela; Teixeira-Marques, Ana; Jerónimo, Carmen; Henrique, Rui; Guedes De Pinho, Paula; Pinto, Joana
- 44 **21663 | AHR-Melanoma Dynamics: sensing and shaping a melanoma code**
Santos, Cátia; Moreira, Beatriz; Berns, Matthew; Louphrasitthiphol, Pakavarin; Lian, Yilong; Goding, Colin; Moura-Alves, Pedro
- 45 **21386 | Caffeine-composed dermatopharmaceuticals and cosmetics: a state-of-the-art analysis based on bibliometric maps towards product valorisation**
Macário, Hugo; Souto, Eliana B.; Oliveira, Maria B. P. P.; Fathi, Faezeh
- 46 **21397 | Level of 4-methylimidazole, a carcinogenic compound, in beverages**
Pinho, Margarida T.; Dutka, Mykhaylo; Teixeira, Andreia; Cunha, Sara C.; Fernandes, José O.
- 47 **21400 | Botanical supplements with reported efficacy in improving mental performance**
Gong, An
- 48 **21410 | Evaluation of the activation profile of antigen presenting cells by an extract of *Toxoplasma gondii* by *in vitro* models**
Carvalho, Nuno T.; Brito, Carina; Correia, Alexandra; Borges, Margarida
- 49 **21458 | Paracetamol impacts bone development in the chicken embryo development model**
Abreu, Carlota S.; Araújo, Rita; Gomes, Pedro S.
- 50 **21459 | Online Course on Digital Health Technologies for Pharmacy Graduates: Development and Evaluation**
Nogueira, Sara B.; Ribeiro, Inês; Santos, Cristina; Junior, Aníbal S.; Marques, Pedro V.
- 51 **21520 | Development of new oleogels with natural organogellators for cosmetic applications**
Gomes, Elisabeth; Jesus, Ana; Cidade, Honorina; Almeida, Isabel F.
- 52 **21615 | Characterization of an injectable hydrogel based on thermosensitive polymers for biomedical applications**
Fonseca, Mariana; Amaral, Maria H.; Marques, Camila
- 53 **21772 | Decoding Immunomodulatory Interactions: Exploring the crosstalk between bone marrow-derived mesenchymal stem cells out the bag and peripheral blood mononuclear cells for potential in-vivo immunosuppression**
Monteiro, Raquel L.; Lopes, Sérgio M.; Roncon, Susana

- 54 **21833 | The influence of exposure approaches in an *in vitro* model of the human lung barrier for toxicity testing**
Fernandes, Ana B.; Remião, Fernando; Alfaro-Moreno, Ernesto; Vilas-Boas, Vânia
- 55 **21862 | Synthesis, acetylcholinesterase inhibition and antioxidant activity of a series of xanthenes**
Novais, Mariana; Margarido, Hélder; Gomes, Ana S.; Sousa, Emília; Cidade, Honorina; Pinto, Madalena; Fernandes, Carla
- 56 **21898 | Development of active targeting strategies for the delivery of lipid-based nanoparticles to macrophages**
Lima, Adriana; Granja, Andreia; Reis, Salette
- 57 **21902 | Development of a method for forensic toxicological analysis using bone as an alternative matrix**
Rocha, Ema; Oliveira, Ana M.; Falzon, Jade; Melo, Paula; Carmo, Helena
- 58 **21921 | Development of lipid nanoformulations for light-based therapies**
Amorim, Ana; Granja, Andreia; Reis, Salette
- 59 **22010 | Cannabidiol (CBD) reduces bladder filling sensitivity and acetylcholine release from cholinergic nerves at the rat urinary bladder**
Festa, Ana; Silva, Diogo; Silva, Isabel; Correia-de-Sá, Paulo
- 60 **22026 | Clinical Use of Probiotics in the Prevention of Peri-implantitis: A systematic review**
Moutinho, Inês; Grenho, Liliana; Gomes, Pedro
- 61 **22091 | Application of the NAM-FISH Method for Oral Biofilm Study**
Cardoso, Gonçalo; Miranda, Sónia; Mendes, Luzia; Azevedo, Andreia

11:30 - 13:00 **PARALLEL ORAL SESSIONS VI**

Room A1 – Maths & Astronomy

- 21538 | Exploring TikTok as a catalyst for relational understanding in Mathematics: A study with 7th grade students**
Teixeira, Francisca D.; Tomás Ferreira, Rosa
- 22056 | Multimorbidity in children: a comparative analysis of distances and methods**
Branquinho, Francisco; Santos, Susana; Gaio, Rita
- 21770 | The Evolution of Immigrant Groups in Luxembourg - A Symbolic Data Analysis Approach**
Silva, Catarina C.; Brito, Paula; Campos, Pedro
- 21402 | A Study of Columba I**
Moura, Tomás; Brinchmann, Jarle; Vaz, Daniel
- 22060 | Boosting Lyman- α Identification and Characterization in the Era of Large Surveys**
Vale, Afonso; Paulino-Afonso, Ana; Fonseca, José; Humphrey, Andrew
- 21989 | LAEs evolution from cosmic dawn to noon**
Paulino-Afonso, Ana; Cosme, Rodrigo

Room A2 – Psychology and Educational Sciences II

- 21393 | Eyewitness memory: how recognition is tested, but not the emotional content, matters**
Cipriano, Julia O.; Souza, Alessandra S.
- 21582 | Conspiracy Files: The Role of Uncertainty and Deliberation in Conspiracy Belief**
Lima, João P.; Pinto, Isabel R.; Carvalho, Cátia M.
- 21394 | Moral Obligation and Social Control Efficacy on Online Collective Action**
Guedes, Bárbara; Pinto, Isabel R.
- 21418 | Extreme Reactions to Deviance: The impact of Crisis contexts and Deviant's status**
Cardoso, Leonor G.; Pinto, Isabel R.
- 21586 | Youth Experiences of Cyberbullying in Portugal**
Oliveira, Paloma; Rodrigues, Mariana
- 21416 | Promoting students' interactions in a 7th grade Mathematics class: Contributions of pedagogical intervention**
Pombo, Estela; Ferreira, Rosa T.

Room A3 – Arts II

21381 | The importance of sacredness in the construction of cemetery heritage, the case of Porto

Lahham, Bruna

21940 | The Ruins of Hubert Robert: The Viewpoint of the Artist in Face of Contemporary Events

Barroso, Alexandra

21625 | Investigations Into the Intolerable Image: relationships and intersections between intolerable image, images of control and modernity/coloniality

Pitta, Virgínia

21723 | The Space of Silence: Articulations in Landscape Architecture Editorial Design

Ribeiro, Leonor; Costa, Emília D.

21859 | Learning and understanding painting through direct contact with works of art:

presentation of the case study carried out with the work "Casas Brancas de Capri" by Henrique Pousão

Araújo, Francisco

Room A4 – Health Sciences VI

21417 | Building a novel blood-brain barrier/glioblastoma interplay 3D *in vitro* model for stratification of drug efficacy

Ferreira, Cecília; Sarmiento, Bruno; Martins, Cláudia

21467 | Identification of bone loss biomarkers in cystic fibrosis patients

Ferreira, Sofia; Cosme, Dina; Osório, Hugo; Oliveira, Luciana; Boaventura, Rita; Almeida, Leonor; Gomes, Maria S.; Amorim, Maria A.; Gomes, Ana C.

21522 | Exploring the complexity in Niemann-Pick Type C Disorder: investigating cellular targets, potential biomarkers and disease-causing variants

Sandiares, A. Catarina; Gonçalves, Mariana; David, Hugo; Cardoso, Maria T.; Ferrão, José; Vieira, Luís; Alves, Sandra; Encarnação, Marisa

21660 | Understand the Role of Glycans in the Oncogenesis of Paediatric Sarcomas

Pacheco, Mariana; Costa, Ana F.; Reis, Celso A.; Lima, Jorge; Gomes, Catarina

21930 | Understanding the impact of glycosylation with Heparan Sulfate on the activity of Receptor Tyrosine Kinase in cancer

Ribeiro, Ana R.; Marques, Catarina; Gomes, Catarina; Faria-Ramos, Isabel; Reis, Celso A.; Duarte, Henrique O.; Magalhães, Ana

21661 | Exploring the Neurotoxic Impact of Anticancer Drugs and Chemobrain Development: An *in vitro* Investigation

Barbosa-Azevedo, Maria; Cardoso, Maria; Carvalho, Félix; Costa, Vera M.

Room A5 – Sport Sciences IV

21640 | Parental sport participation, family socioeconomic status, and primary school children sport participation: The REACT study

Rocha, Filipa; Azevedo, Jéssica; Maia, José; Garganta, Rui; Farias, Cláudio; Tani, Go; Garbeloto, Fernando; Pereira, Sara

21642 | Associations between parental support for physical activity, children' sports participation and health-related physical fitness in primary school children: The REACT study

Azevedo, Jéssica; Rocha, Filipa; Pereira, Sara; Garganta, Rui; Farias, Cláudio; Tani, Go; Garbeloto, Fernando; Maia, José

21732 | The influence of sports participation and physical activity on fundamental movement skills in primary school children: The REACT study

Mota, Rui; Maia, José; Garganta, Rui; Farias, Cláudio; Tani, Go; Garbeloto, Fernando; Pereira, Sara

22001 | Velocity variation on national-level double-scul crews

Leão, Joana; Cardoso, Ricardo; Gomes, Beatriz; Fernandes, Ricardo J.

Room A1 – Biological Sciences I

21622 | Functional Glycomics and Glycoproteomics Characterisation in Gastric Cancer

Marinho-Santos, Beatriz; Ferreira, Dylan; Relvas-Santos, Marta; Afonso, Luís P.; Peixoto, Andreia; Santos, Lúcio L.; Ferreira, José A.

21623 | Functional Glycoproteomics Characterization of Gastric Cancer Cells Expressing Immature O-Glycans

Dourado-Gonçalves, Martina; Freitas, Rui; Ferreira, Dylan; Relvas-Santos, Marta; Paulo, Paula; Santos, Lúcio L.; Peixoto, Andreia; Ferreira, José A.

21624 | GlycoMAPP - Exploring the Impact of Glycosylation on Macrophage Polarization in the Context of Tumour Progression

Lourenço, Camila; Miranda, Andreia; Peixoto, Andreia; Santos, Lúcio L.; Oliveira, Maria J.; Ferreira, José A.

21514 | New triazol-isatin derivatives for lymphoma treatment: cytotoxic effects and identification of molecular targets

Ferreira, Catarina L.; Lima, Bruna; Frias, Carina; Vale, Rosa; Freitas, Renata

21824 | Unravelling NR5A2 Transcriptional Regulation in Pancreatic Cancer

Mota, Inês; Teixeira, Joana; Bessa, José

22130 | Effect of Antidiabetic Drugs on Well-Differentiated Thyroid Carcinomas: An *in vitro* Study

Gonçalves, Mariana; Jesus, Nuno; Soares, Paula; Máximo, Valdemar

21421 | Application of the new criteria for Differentiated High Grade Thyroid Carcinoma to a series of recurrent thyroid cancer: a retrospective study of 138 cases

Caldeira, Mariana; Canberk, Sule; Melo, Miguel; Soares, Paula

Room A2 – Psychology and Educational Sciences III

21779 | Online Recruitment in Portugal: The Perspective of Recruiters

Freitas, Ana S.; Brandão, Catarina

21579 | Understanding the retirement anticipation process through the analysis of professional paths: "The Bank at a certain point reminds us that this place is not ours"

Sousa, Sofia; Santos, Marta

21888 | Facilitating family communication about hereditary cancer risk: The development of a serious game based on design methodology

Leitão, Inês; Sales, Célia

21878 | Superhero Apprentices – Exploring the Representations of 4th Grade Children about Health and Cancer: Contributions to the Development of a Videogame

Ribeiro, Joana C.; Grande, Catarina

22132 | Early Childhood Intervention: The Perspective of Families

Oliveira, Vânia; Grande, Catarina

21422 | Commitment within university volunteer organizations - a qualitative case study in Já T'Explico

Almeida, Catarina; Jordão, Filomena

Room A3 – Arts III

21749 | Reinventing Academic Access: Design, Digitization, and Dialogue at U.Porto Press and "Espaço Público/Public Space" Journal

Fradinho, Francisca; Costa, Emília D.

22104 | Accessibility and Street Art: Art Curation in Urban Spaces for the Visually Impaired

Vieira, Célia; Ribeiro, Dinis

21518 | From natural and human phenomena to plastic phenomena

Olaio, Susana

22110 | The Future in my twenties

Vázquez, Juncal A. C.

22129 | Van Gogh - The Sunflowers Painting

Nunes, Helena

Room A4 – Health Sciences VII

21430 | Exogenous administration of delta-9-tetrahydrocannabinol affects adult hippocampal neurogenesis in female Wistar rats

Carvalhinho, Duarte R.; Leal, Sandra; Andrade, José P.; Sá, Susana I.

21641 | Rimonabant and dimethyl fumarate, two drugs commonly associated with neuropsychiatric adverse events, increase histone acetylation in a neuronal cell model

Moura, Matilde; Carvalho, F.; Silva, J. P.

21868 | A new approach for tackling neurodegenerative diseases: screening marine Actinobacteria for Alzheimer therapies

Salgado, Bárbara; Grosso, Clara; Ribeiro, Inês; Martins, Rosário; Carvalho, M. Fátima

22037 | Blockage of the inhibitory drive mediated by nicotinic $\alpha 7$ receptors in perisynaptic Schwann cells ameliorates the neuromuscular performance in rats with autoimmune Myasthenia gravis

Alves-Oliveira, Beatriz; Sousa-Soares, Carlos; Carvalho, Liliana; Nogueira-Soares, Beatriz;

Moutinho, Magda; Noronha-Matos, José B.; Correia-de-Sá, Paulo

22101 | Neuronal plasticity changes to preserve ACh release from myenteric nerves via Ca²⁺-permeable P2X₄, P2X₇ and TRPV1 ionotropic receptors in post-inflammatory ileitis

Guimarães, Ana I.; Vieira, Cátia; Castro, Raquel; Moreira, Rafael; Ferreirinha, Fátima; Carvalho,

Liliana; Bento da Silva, Moisés T.; Correia-de-Sá, Paulo

21889 | Effects of oral methylphenidate on brain GAP43 and PSD95 proteins in childhood Wistar Kyoto rats

Soares-Couto, Patrícia; Costa, Vera M.; Dias-Carvalho, Ana; Sá, Susana I.; Ferreira, Mariana;

Carvalho, Félix; Capela, João P.

21683 | Outcomes and Challenges of Motivational Interviewing in Dual Diagnosis Treatment - a Systematic Review

Maia, Margarida B.; Martins, Pedro M.C.; Braga, Margarida F.

Room A5 – Physics

22083 | Development of Optical System and Instrumentation for Turbidity Monitoring in Algae Tanks

Rocha, Francisco A. S.; Mendes, João; Almeida, José M. M. M.; Coelho, Luís C. C.

21466 | Optical Configuration for Nitrate Detection in Water Systems

Carneiro, Bernardo; Mendes, João P.; Almeida, José M. M. M.; Coelho, Luís C. C.

21493 | Colorimetric-based System for Carbon Dioxide Assessment: Sensitive Membrane Optimization

Lopes, Xavier; Coelho, Luís; Jorge, Pedro; Mendes, João

21576 | Long-Period Fiber Gratings and Fabry-Perot Interferometers for Relative Humidity Fiber Sensing in a Marine Environment

Faria, Rita; Mendes, João; de Almeida, José M. M. M.; Coelho, Luís C. C.

21665 | Augmented Reality for Spectral Imaging Applications

Cavaco, Rafael; Lopes, Tomás; Teixeira, Joana; Capela, Diana; Jorge, Pedro; Silva, Nuno

21725 | Micro-Grating Structures of Topological Insulator and Gd: A Journey Through Spintronics and Magnetoplasmonics

Roque, Carlos E.; Fernandes, Bruno M.; Moreira, Mafalda; Pires, Ana L.; Pereira, André M.

21688 | Is string theory falsifiable?

Carvalho, Martim M.C.D.; Martins, Carlos J.A.P.

Oliveira, Vânia; Grande, Catarina

16:00 - 17:00 **POSTER SESSION P4**

Nº Arts

1 21967 | Empowering Asthma Patients through Digital Learning: Interface design of the PAAI online educational programme

Jácome, Cristina; Costa, Emília D.; Saldanha, Fátima

- 2 **22118 | Seven Veils - The Newspaper as a Documentary Archive of The Band TT Syndicate**
Gomes, Beatriz M.
- 3 **21390 | Analysis of Richard Oswald's Die Reise um die Erde in 80 Tagen, an Adaptation of Jules Verne's Around the World in 80 Days**
Santos, Ana C.
- 4 **21532 | Chromatic Aberration: Development of a chromatic typography for social awareness**
Rego, Tiago; Amado, Pedro
- 5 **21540 | Reinventing analogue printing: Exploring traditional printing techniques in an accessible academic context**
Tavares, Sara; Amado, Pedro
- 6 **21875 | Contribution to a sustainable proposal for supermarket delivery services (e-commerce)**
Tinoco, João; Lima, Cláudia; Mendonça, Rui

Nº Physics

- 7 **21481 | Impact of Small-Scale Structure on the Stochastic Gravitational Wave Background Generated by Cosmic Strings**
Miranda, Teresa; Sousa, Lara
- 8 **21611 | Theoretically probing structural and electronic properties of Pr-based crystals for energy applications**
Queirós, M. Francisca; Silva, Estelina; Pereira, Vitor
- 9 **21766 | Magneto-structural coupling in Heusler-type alloys with a large magnetocaloric effect**
Soares, André; Belo, João H.; Lopes, Armandina M. L.; Araújo, João P. E.; Oliveira, Gonçalo N. P.
- 10 **21783 | Smart Stents: Harnessing Pyroelectricity for Real-Time Complication Monitoring**
Marta, Mateus G.; Silva, Carolina; Nunes, Marta; Pereira, André; Rocha, Mariana
- 11 **21907 | Fabrication of Nickel Nanowires for 1D Neuromorphic Systems**
Lemos, Catarina; Ferreira, Pedro; Dias, Catarina; Costa, R.S.; Ventura, João
- 12 **21959 | Tuning Double Perovskites for Energy Harvesting**
Andrade, Leonor; Belo, João H.; Lopes, Armandina M. L.; Araújo, João P.E.; Oliveira, Gonçalo N. P.
- 13 **22055 | Quantum transport in Floquet formalism**
Gonçalves, Daniela; Lopes, João M. V. P.; Santos, J. M. B. L.
- 14 **22084 | Coherence Length from Correlation of Local Currents**
Pessoa, João; Pereira, Vitor; Lopes, João

Nº Geology

- 15 **21483 | The oldest herbarium: physical and digital curation of palaeobotanical specimens at the Natural History and Science Museum of the University of Porto (MHNC-UP)**
Ramos, Alexandre M.; Vieira, Cristiana; Martins, Isabel
- 16 **21527 | Paleozoological Wonders: Preserving the Fossil Heritage at the Natural History and Science Museum of the University of Porto (MHNC-UP)**
Marques, Cristiana; Vieira, Cristiana; Martins, Isabel
- 17 **21909 | Analysis of the Honeycombs of Lavadores Beach, Vila Nova de Gaia, Portugal**
Börjesson, Lara; Jesus, André; Martins, Maria
- 18 **21899 | Evaluating K-Means Classification for Manual Lineament Extraction: A Comparative Study with Band Ratio from Sentinel-1 imagery, in the Ria de Vigo, Spain**
Araújo, Beatriz L.; Carvalho, Morgana; Azzalini, António; Cardoso-Fernandes, Joana; Lima, Alexandre; Teodoro, Ana C.

Nº Psychology & Education Sciences

- 19 **21810 | Challenges and Potentialities of the Digital Education in the Brazilian Context During the Pandemic**
Henrique, Pedro; Carvalho, Laura; Vandelli, Renata; Cardoso, Carla; Ferreira, Elisabete; Medina, Teresa; Sá Costa, Alexandra; Caramelo, João; Vaz, Henrique
- 20 **21905 | "It's always women!": the biographical method as a tool to account a social and educational journey**
Mazza, Mariana; Santos, Gabriela; Sampaio, Marta; Silva, Sofia M.

- 21 **21984 | Students' Happiness and Well-Being: Contributions from the Voice of Students at School**
Alves, Vânia R.; Ferreira, Elisabete
- 22 **21350 | "I swallowed the black pill and it was rubbish": (De)construction of the masculinities of Involuntary Celibates**
Domingues, Mariana; Magalhães, Sara I.
- 23 **21399 | Exploring Intercultural Sensitivity in Portugal: Influence of Sex and Sexual Orientation**
Coimbra, Valdir A.; Piteira, Sofia R. P.; Moreira, Ariana S.; Sousa, Sílvia S.; Moreira, Mariana S. D.; Pereira, Maria J. A. E. J.
- 24 **21618 | Sexual Violence and Gender: The Role of Rape Myths and Violent Pornography- A Study with College Students**
Teixeira, Leonor; Gomes, Hugo
- 25 **21942 | Corporate Benefits: an organizational development project**
Valente, Nuno; Brandão, Catarina
- 26 **21950 | Communicating Bad News in Emergency Health Care: clinicians needs and perceptions**
Pires-Lima; Cláudia, Figueiredo-Braga, Margarida
- 27 **21474 | The development of mathematical reasoning in synthetic geometry**
Rua, Rui; Tomás Ferreira, Rosa

Nº Biological Sciences

- 28 **21486 | Investigating the impact of Enzyme Replacement Therapy on the invariant Natural Killer T cells in patients with Acid Sphingomyelinase Disease**
Andrade, Catarina; Mondragão-Rodrigues, Inês; Fonseca, Tiago; Cardoso, Teresa; Guimas, Arlindo; Macedo, Fátima
- 29 **21695 | Deciphering Nocuolin A Biosynthesis**
Pinto, Nuno; Martins, Teresa; Leão, Pedro
- 30 **21746 | A Functional Study on the Ybbr Domains of the CdaR protein**
Megre Lousada, Teresa; Weinhäeupl, Katharina; Morais Cabral, João
- 31 **21757 | Loss of Vps27-dependent iron homeostasis is not associated with the shortened lifespan of *sit4Δvps27Δ* yeast cells**
Pinheiro, Denise; Martins, Telma S.; Correia, Miguel; Pereira, Clara; Costa, Vítor
- 32 **21801 | Functional characterization of a putative iodine transporter in *Arabidopsis thaliana***
Sousa, Beatriz S.; Lourenço, Tiago; Pires, Leandro; Azevedo, Herlander; Castro, Pedro H.
- 34 **21469 | *In vitro* evaluation of Prrxl1 transcriptional activity on genomic regulatory regions from genes related to nociceptor differentiation**
Melo, Gonçalo; Almeida, João; Monteiro, Filipe; Reguenga, Carlos
- 35 **21470 | Evaluation of Prrxl1 transcriptional activity on genomic regulatory regions from genes involved in mechanoreceptor and proprioceptor differentiation**
Almeida, João; Melo, Gonçalo; Reguenga, Carlos; Monteiro, Filipe A.
- 36 **21704 | *In vitro* evaluation of the regenerative potential of β 3gnt7 in spinal cord injury**
Ferreira, Rafaela; Sousa, Mónica; Braz, Sandra
- 37 **21882 | Defining the genetic program regulated by the Prrxl1 transcription factor in the embryonic development of spinal cord dorsal horn neurons**
Marques, Maria E., Reguenga, Carlos; Monteiro, Filipe A.
- 38 **21915 | Curving Actin Rings: Anillin and IQGAP in the axonal periodic skeleton**
Lopes, Teresa; Sousa, Mónica M.; Costa, Ana R.
- 39 **22028 | Bioengineering an immunomodulatory therapy for intervertebral disc degeneration**
Pereira, Beatriz; Fiordalisi, Morena F.; Caldeira, Joana; Gonçalves, Raquel M.

Nº Health Sciences

- 40 **21608 | The role of cytotoxic granule-associated RNA binding protein TIA-1 in stress-driven Tau pathology**
Santos, Luís; Santos, Beatriz; Wolozin, Benjamin; Sotiropoulos, Ioannis; Silva, Joana M.

- 41 **21610 | High throughput screening of heterocyclic compounds to identify new spindle assembly checkpoint inhibitors**
Lima, Inês; Castelôa, Mariana; Chavarria, Daniel F.; Conde, Carlos; Pombinho, António; Borges, Fernanda
- 42 **21734 | Targeted host and pathogen factors underlying modulation of myeloid cell responses to *M. tuberculosis* L6**
Macedo, Salvador; Silva, Marta L.; Couto, Joana; Saraiva, Margarida
- 43 **21744 | Effect of chrysin on appetite signalling in fructose-fed rats: a proteomic analysis**
Santos, Henrique; Martel, Fátima; Osório, Hugo; Andrade, Nelson
- 44 **21758 | Chemical characterization of body odour by gas chromatography-mass spectrometry**
Barbeito, Laura; Carrito, Mariana; Pinto, Joana; Pinho, Paula G.
- 45 **21858 | A novel phenotype of Invariant Natural Killer T cells present in α -Galactosidase knockout mice**
Matias, Leonardo; Rodrigues, Inês; Meireles, Catarina; Macedo, Fátima
- 46 **21456 | Validation of a genetic system to unravel the astrocyte specific secretome through proximity biotinylation**
Florido, Luísa; Baltar, João; Bessa, Simone; Holt, Matthew
- 47 **21573 | Development of new iron chelators targeting mitochondria with potential application in Friedreich ataxia**
Soares, Letícia; Lima, Carla; Chavarria, Daniel; Sequeira, Lisa; Alves, Catarina; Borges, Fernanda; Benfeito, Sofia
- 48 **21612 | Exogenous administration of delta-9-tetrahydrocannabinol affects adult hippocampal GABAergic and cholinergic transmission in female Wistar rats**
Neves, Ana M.; Leal, Sandra; Fonseca, Bruno M.; Sá, Susana I.
- 49 **21647 | Deciphering neuroimmune interactions in alcohol intake in mouse model of intermittent access in male and female**
Pacheco, Raquel; Canedo, Teresa; Rodrigues, Ana M.; Moreira, Joana; Relvas, João B.; Socodato, Renato; Summavielle, Teresa
- 50 **21780 | Neuroprotective effects of cyanobacterial extracts**
Rodrigues, Flávia; Grosso, Clara; Ferreira, Leonor; Vasconcelos, Vítor; Reis, Mariana; Martins, Rosário
- 51 **21803 | Comparative Neurotoxicity Assessment of Four Structurally Similar Synthetic Cathinones Using a Cholinergic Neuronal Model**
da Fonseca, Catarina; Malheiro, Rui; Silva, João P.; Remião, Fernando; Silva, Renata
- 52 **21828 | Exploring TTR stabilization as treatment for Alzheimer's Disease**
Lopes, Beatriz; Gião, Tiago; Espósito, Cláudia; Arsequell, Gemma; Llop, Jordi; Cardoso, Isabel
- 53 **21865 | Dopaminergic orbitofrontal cortex modulation of spatiotemporal gratification and impulsivity in rats with inflammatory pain**
Araújo, Gonçalo; Cerqueira-Nunes, Mariana; Monteiro, Clara; Galhardo, Vasco; Cardoso-Cruz, Helder
- 54 **21956 | Revolutionizing Spine Health: *in vivo* validation of a foetal-inspired biomaterial**
Sousa, M. Leonor; Cunha, Carla; Paes de Faria, Joana; Simões, Rui V.; Fiordalisi, Morena F.; Gonçalves, Raquel M.; Caldeira, Joana
- 55 **21990 | Exploring the Intricacies of Inflammation in Epilepsy: a preliminary study on the role of peripheral monocytes**
Santos, Cristina
- 56 **22108 | VPAC1 may be a novel target to prevent epileptogenesis and to attenuate cognitive deficits in epileptic patients**
Oliveira, Joana; Amat-Garcia, Laia; Silva, Isabel; Lobo, Graça; Correia-de-Sá, Paulo; Cunha-Reis, Diana
- 57 **21784 | Exploring the Relationship Between 24-Hour Urinary Sodium Excretion and Body Fat Mass Percentage in School-Aged Children: Insights from the ARIA Study**
Soares, Ana P.; Rodrigues, Mónica; Padrão, Patrícia; Gonçalves, Carla; Moreira, André; Moreira, Pedro

- 58 **21797 | Early-life exposure to non-nutritive sweeteners: effects on hepatic FGF21 pathways and mitochondrial function**
Brandão, Sofia; Bracchi, Isabella; Keating, Elisa; Negrão, Rita
- 59 **21880 | Association between dietary patterns and activity of angiotensin-converting enzymes in human faeces**
Teixeira, Eva; Duarte, Mariana; Pinheiro, Cátia; Keating, Elisa; Negrão, Rita; Morato, Manuela
- 60 **22050 | Artichoke: a versatile nutraceutical**
Barreira, Ana M.; Morais, Beatriz C.; Ponteira, Carolina P.; Falcão, Mariana L.
- 61 **21398 | hCG and GnRH agonist – oocyte maturation trigger’s impact on infertility treatment outcomes in high-responders: a report on 705 cycles**
Gonçalves, Maria; Cunha, Mariana; da Silva, José T.; Silva, Joaquina; Viana, Paulo; Oliveira, Cristiano; Barros, Alberto; Sousa, Mário
- 62 **21542 | Dysfunction of visceral adipose tissue in human endometriosis**
Abobeira, José P; Neto, Ana C.; Mausersberger, Jan; Salazar, Maria; Fernandes, Ana S.; Martinho, Margarida; Serrão, Paula; Rodrigues, Adriana R.; Almeida, Henrique; Gouveia, Alexandra M.; Neves, Delminda
- 63 **21549 | The Other Side of Bupropion – Unravelling the *in vitro* Effects on Sperm Vitality and Motility**
Brito, Maria; Gonçalves, Ana; Barros, Alberto; Sousa, Mário; Sá, Rosália
- 64 **21673 | Proteomics Characterization of Human Uterine Samples During Reproductive Ageing**
Dias, Bruna; Formoso, Inês; Martins, Luís G.; Almeida, Henrique; Silva, Elisabete; Silva, André M.N.; Matos, Liliana
- 65 **22045 | Pregnancy Supplementation, Anthropometry and Early Childhood Development**
Teixeira, Miriam; Neves, Andreia; Lopez, Rita; Azevedo, Inês; Dia, Cláudia C.; Keating, Elisa

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

Room A1 – Biological Sciences II

21836 | Unravelling the role of cholinergic signalling in the increased neurite outgrowth promoted *in vitro* by synthetic cannabinoids

Figueiredo, João P.; Carmo, Helena; Carvalho, Félix; Silva, João P.

21855 | Characterizing electrophysiological communication between neuronal populations with known architecture

Melo, Pedro M.; Mateus, José C.; Aguiar, Paulo C.

21969 | Ciliopathy-associated kinases regulate retrograde transport inside neuronal cilia

De-Castro, Ana R. G.; Monteiro, Maria J.; Gonçalves-Santos, Francisco; Dantas, Tiago J.; Abreu, Carla M. C.

21913 | *In vivo* reversion of progeria phenotypes by cyclic induction of the FOXM1 transcription factor

Ala, Inês; Magalhães, Joana; Logarinho, Elsa

21662 | T(AHR)getting the AHR: Navigating the path of a xenobiotic sensor, from disease to a therapeutic target

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

21708 | Using CRISPR-Mediated Approaches to Investigate the Function of Non-Coding DNA Variants in Type 2 Diabetes

Sousa, Miguel M.; Ferreira, Fábio J.; Borges, Sofia; Nogueira, João; Eufrásio, Ana; Bessa, José

21671 | Lipid irony: Disruption of Iron and Inositol Metabolism in the Yeast Model of N88S Human Seipinopathy

Ribeiro, Mariana O.; Oliveira, Mafalda; Nogueira, Verónica; Costa, Vítor; Teixeira, Vítor

21763 | Deletion of VPS27 produces severe respiratory deficiencies and mtDNA loss in yeast cells lacking the Sit4 protein phosphatase

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

Room A2 – History of Art, Heritage, and Cultural Studies II

- 21789 | Perceptions of the Impact of Contemporary Art Museums on Social Development in the Interior of Portugal
Pérez, Ana; Noronha, Elisa
- 21974 | Nina Simone - My Baby Just Cares for Me
Soares, Marília
- 21721 | The Protagonism of Film Architecture: A Study Case of Downton Abbey
Paula, Júlia S.
- 21655 | Symbolic Affinities: Dining with Alexander Search and Peter Greenaway
Custódio, Luísa R.F.
- 22124 | Celluloid Metamorphosis: Intermedial Dialogue in the Adaptation of Thierry Jonquet's "Tarantula" to "The Skin I Live In" by Almodovar
Uribe, Francisca M.
- 21354 | Inked Body(ies): The Tattoo in Junichirō Tanizaki's "The Tattooer" and Yasuzō Masumura's "Irezumi"
Barroso, Rita
- 21447 | Under the camera lens, the poetic act: poetry and cinema in Jorge de Sena
Passos, João G.R.

Room A3 – Arts IV

- 22121 | From collection to creation
Mendez, Raquel A.
- 21782 | Systematization of Metaphor as a Creation Tool
Cruz, Jorge; Torres, Sofia
- 21798 | Exploring the Relationship Between the Depressive Position, Memory, and the Creative Impulse: A Kleinian Perspective on Art
Saraiva, Diogo
- 22078 | Existential Absurdity as a Concept in Painting: An Introduction
Pereira, Rute
- 21853 | On taking time with the world
Pinheiro, Maria

Room A4 – Health Sciences VIII

- 21429 | *In vitro* Assessment of Lipid Digestion and Nutrient Bioaccessibility in the Elderly Population
Martins, Raquel; Novais, Beatriz; Mendes, Eulália; Costa, Cármen; Casal, Susana; Cruz, Rebeca
- 21691 | Determinants for breakfast consumption among U.Porto students
Barbosa, Mafalda; Dias, Bruna; Freitas, Vasco; Gomes, Nuno; Silva, Nuno; Afonso, Cláudia; Oliveira, Bruno; Poínhos, Rui; Rocha, Ada
- 21743 | BABY-SCORE: Decoding Consumer Behaviour in Infant Nutrition Choices
Oliveira, Ana C.; Santos, Ana C.; Novais, Ana B.; Santos, Raquel; Tomaz, Samuel; Barracosa, Rita; Cruz, Rebeca; Martins, Zita
- 21895 | The counteracting effect of chrysin on dietary fructose-induced hepatic injury in the rat
Campanher, Gabriela
- 22067 | Determinants of food consumption by University students
Ferreira, Andreia; Lopes, Leonor; Campos, Luísa; Poínhos, Rui; Oliveira, Bruno; Rocha, Ada; Afonso, Cláudia
- 21678 | Sodium Intake in U.Porto college students and influencing sociodemographic and lifestyle factors
Vale, Elisabete P.; Oliveira, Carla; Rodrigues, Inês; Sousa, Florbela; Oliveira, Bruno M.P.M.; Afonso, Cláudia; Poínhos, Rui
- 21896 | Influence of body mass index on liver enzymes, from adolescence to adulthood
Costa, Andreia; Severo, Milton; Ramos, Elisabete

Sexta-feira, 10 de maio | May, 11th, Friday

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

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

Room A1 – Biological Sciences III

21572 | Assessment of Antioxidant Capacity in Macroalgae: Comparative Analysis of Species, Treatment and Extraction Methods

Campos, Gabriel; Ramos-Oliveira, Catarina; Filipe, Diogo; Fontinha, Filipa; Oliva-Teles, Aires; Martins, Nicole; Peres, Helena

21777 | Goji berries (*Lycium barbarum*) extract as new potential cosmetic ingredient – A first screening

Silva, Joana; Teixeira, Filipa; Silva, Ana M.; Vieira, Mónica; Amaral, M. Helena; Rodrigues, Francisca

21960 | Elucidation of phenolic metabolites in coloured wheat grains (*Triticum aestivum* L.) by HPLC-Orbitrap-MS/MS

Monteiro, Bruna; Silva, Sara; Martinek, Petr; Freitas, Vítor; Soares, Susana; Dias, Ricardo

21646 | Nanoencapsulation of Vitamin K3 for pet food fortification

Silva, Beatriz; Oliveira, Daniela; Lima, Sofia A. C.; Reis, Salette

22013 | Identification of cyanobacteria and microalgae with bioactivities for metabolic diseases

Queiroga, Inês; Urbatzka, Ralph; Ferreira-Martins, Diogo

21428 | The power of machine learning to reveal hidden microbiome metabolites

Portela, Luísa; Sousa, João; Figueiredo, Céu; Ferreira, Rui M.

21461 | Invisible dangers on our plates: a critical review of the widespread presence of microplastics and nanoplastics in food

Mota, Carolina; Martins, Zita E.; Ramos, Helena; Ferreira, Isabel M.P.L.V.O.; Carvalho, Márcia; Araújo, Ana M.

21808 | Modulating stress-metabolic interactions in gilthead seabream (*Sparus aurata*) with innovative hydrolysates, under a global changes scenario

Sousa, Jéssica M.; Oliveira, Adriana; Monteiro, Marta; Magalhães, Sara; Aires, Tiago; Almeida, André; Valente, Luísa M.P.

Room A2 – Geography, Philosophy and Sociology

21588 | From the “Despisers of the Body” to the exaltation of the Body in contemporaneity
Baía, Diogo

21500 | Intervention art in the feminine: The case of Paula Rego's figurative art
Ribeiro, Carolina

22000 | Youth Participation and Empowerment through Arts and Culture: Insights from the “Programa Escolhas” in Segregated Urban Contexts

Medon, Leonor

21867 | Poetry and teaching of philosophy: a perspective for high school education

Monteiro, José

21359 | Independent journalism: a credibility problem?

Cortez, Inês

21446 | The Social Impact of the COVID-19 Pandemic on Portuguese Philharmonic Bands

Pinto, Diogo M.; Barreiros, João P.; Pina, Helena

21825 | Bibliometric analysis of studies on tourism and thermal comfort in the city of Porto (Portugal)

Silva Martins, Beatriz; Ramalho Sampaio, Ana Carolina

21440 | Towards storytelling in map-making: a geo-historical contribution

Souza, Bernardo C. A.

Room A3 – Language Sciences

21488 | Epistolary paths: A historical perspective on the pragmatic-discursive analysis of correspondence between intellectuals

Martins, Leonor

22024 | The processing of cognates and false cognates in L1 European Portuguese and L2 English speakers: a psycholinguistic study

Pinto, Mariana

21531 | Difficulties when Translating Healthcare Research: A Systematic Review

Moreira, Raquel

22086 | Comparative Analysis of Automotive Terminology and Syntax: Mercedes-Benz's Website Content in European vs. Brazilian Portuguese

Mai, Zhiqian

21550 | Anchieta's humanistic grammar: an analysis of the occurrence of cases in the description of Tupi

Silva, Stephanie C. S.

21478 | Treasures of Guinea-Bissau: a preliminary study of the Fula language

Fernandes, Ana Luísa; Gianfranchi, Guendalina; Mendes Júnior, Mariana

21468 | Linguistic Interaction: A Phonological Study of Guinea-Bissau Creole (Kriol)

Gianfranchi, Guendalina; Fernandes, Ana L.; Mendes Júnior, Mariana

Room A4 – Health Sciences IX

21431 | Microbiome metabolites – new players in gastric cancer development

Castro, Inês; Rocha, Melissa; Figueiredo, Céu; Ferreira, Rui M.

21632 | Impact of COVID-19 pandemics on cancer diagnose rate in Portugal

Bento, Isac; Fernandez-Llimos, Fernando

21664 | Aryl Hydrocarbon Receptor in Melanoma: From a sensor to a regulator of the tumour microenvironment

Moreira, Beatriz; Santos, Cátia; Berns, Matthew; Louphrasitthiphol, Pakavarin; Lian, Yilong;

Goding, Colin; Moura-Alves, Pedro

21690 | Using genome-wide CRISPR screens to dissect the molecular mechanisms underlying therapy resistance and sensitivity in HER2-positive gastric cancer

Nunes, Ana; Müller, Miriam; Oliveira, Carla; Fernandes Neto, João M.

21707 | Unravelling the ErbB2 Sugar Code in Gastric Cancer: Construction of a Glycoengineered Cell-based Library

Faria, Ângela; Senra, Emanuel; Gomes, Catarina; Reis, Celso A.; Duarte, Henrique O.

21724 | Deciphering the role of cholesterol in the tumour microenvironment: novel colorectal cell line clustering approach

Pinto, Ana I.; Machado, Ana L.; Martins, Flávia; Oliveira, Susana M.; Velho, Sérgio

21863 | A non-integrating virus-free method for the generation of CAR-expressing recombinant NK cells for cancer immunotherapy

Cardoso, João S.; Burger, Luísa; Harbottle, Richard P.

10:30 - 11:30 **POSTER SESSION P5**

Nº Engineering

1 21453 | Collaborative Development of a Serious Game to Promote Emotion Regulation Strategies in Parents

Pereira, Mónica; Silva, Eliana; Reis, Paulo L.

2 21460 | Social Skills Training in Acquired Brain Injury: Co-Development of a Serious Game

Ferreira, Bernardo; Silva, Eliana; Reis, Luís P.

3 21519 | Co-Creation of a Serious Game: An Innovative Approach for Promoting Emotion Regulation Skills in Parents and Adolescents

Silva, João; Silva, Eliana; Reis, Luís P.

- 4 **21729 | Challenges in Family Communication in Paediatric Cancer: Developing an Informative Chatbot**
Pinto, Paulo; Silva, Eliana; Reis, Luís P.
- 5 **21813 | Co-creation of Multiplayer Serious Games for Cognitive and Psychosocial Rehabilitation**
Figueira, Carolina; Silva, Eliana; Reis, Luís P.
- 6 **21892 | Chatbot for the Promotion of Healthy Lifestyles in Oncology Patients**
Gonçalves, André; Silva, Eliana; Reis, Luís P.
- 7 **22007 | Development of pyroelectric sensors for detection of biological events**
Daniel, Ana; Machado, Inês; Nunes, Marta; Pereira, André; Rocha, Mariana
- 8 **21728 | Supporting Adolescents and Young Adults with Cancer through the use of a Chatbot Application**
Tavares, Gustavo S.T.; Silva, Eliana; Reis, Luís P.
- 9 **22080 | A machine learning system for keratitis diagnosis from cornea images**
Beirão, Maria M.; Matos, João; Gonçalves, Tiago; Kase, Camila; Nakayama, Filipe; Cardoso, Jaime S.
- 10 **21731 | Studies on Commercial Electroencephalogram's Electrodes for Future Comparison with Textrodes**
Duarte, Rita; Pires, Ana; Rodrigues, Kevin; Rocha, Miguel
- 11 **22098 | DigieRescueMe – Standardization and Digitalization of Rescue Education in Mining**
Reis, Vasco; Sidanni, Adeeb; Duarte, Joana; Santos, J. Baptista
- 12 **22008 | Discharge Behaviour of Lithium Batteries**
Ferreira, João P.; D'el Rei, João P.
- 13 **21577 | KeyPoint-Based Hockey Player Action Recognition**
Oliveira, Mariana
- 14 **21537 | Exploring the Use of BIM (Building Information Modelling) in Enhancing Sustainable Project Management Practices in the Construction Industry: Diagnosis of Construction and Demolition Waste (CDW) using LiDAR-iPAD**
Targa, André M.; Calvetti, Diego; Mêda, Pedro M.

Nº Humanities and Social Sciences

- 15 **21487 | Contrastive Analysis of the translations of Chapter XVII of Harry Potter and the philosopher's stone into European Portuguese and Brazilian Portuguese**
Almeida, Andreia
- 16 **22033 | The temporal structure of the lead in agency news in European Portuguese**
Pacheco, Ana Filipa
- 17 **22077 | The specificity of Portuguese in contrast to the learners' language**
Tou, Ka Ieng Si
- 18 **21652 | Desire and Fashion Photography: Helmut Newton's Representation of Women**
Garcia, Luísa
- 19 **21971 | The Tchiloli of São Tomé and Príncipe**
Teixeira, Ana C.
- 20 **22019 | Dance as a Cultural Expression in the History of Portuguese Art**
Monteiro, Isabel
- 21 **21926 | Are animals conscious? Is perception an answer to the problem of animal consciousness?**
Melo, Francisca
- 22 **21401 | Between the Sea and Shore: The Faces of Erosive Coastline at the Granja Beach**
Bastos de Moura, Mafalda; Rodrigues Pinto, Daniel
- 23 **21444 | Impacts of Climate Risks on Póvoa de Varzim: Agricultural and Touristic Vulnerabilities and Specificities**
Silva, Eduardo A.
- 24 **21805 | A Comparative Analysis between the Northern Region of Portugal and Champagne-Ardenne, France**
Fonseca, Ana; Ribeiro, Maria

- 25 **21844 | A study on the coastal potholes of Praia do Castelo do Queijo**
Figueira, Mónica; Gomes, Raul; Teixeira, Valter
- 26 **22072 | Adaptation or accentuation of urban heat islands (?): 72 points between Santo Ildefonso and Bonfim (Porto)**
Leal, João; Pinto, Marco; Lopes, José G.
- 27 **21580 | Sex workers' experiences and representations of public space in the city of Porto: an ethnographic approach**
Sapinho, Filipa
- 28 **21958 | An analysis of student electoral dynamics in FLUP and FCUP in relation to the elections to the faculty bodies, General Board and Students' Associations**
Amaral, Pedro G.

Nº Biological Sciences

- 29 **21355 | Systematic and automated aerial surveys of rocky intertidal communities using unmanned aircraft systems**
Nunes, João; Monteiro, Cátia; Lima, Fernando
- 30 **21471 | Ecological State and Microplastic Assessment at the Mouth of the Douro River Estuary, Portugal**
Molinari, Mariana S.; Antunes, Sara C.; Vieira, Luís R.; Iglesias, Isabel; Pinto, Isabel S.; Rubal, Marcos
- 31 **21545 | Toxicological assessment of nitrosamines with emerging interest throughout the urban water cycle**
Sampaio, Gonçalo M.; Rodrigues, João A; Santos, Miguel M.; Chaves, Raquel S.
- 32 **21480 | "Blossoming through History and Science: Botanical Specimens on Display at the Natural History and Science Museum of the University of Porto"**
Wiecha, Rita; Vieira, Cristiana
- 33 **21489 | Unlocking Islands Repositories: cataloguing Madeira and Azores Archipelagos' flora housed at PO Herbarium - Natural History and Science Museum of the University of Porto (MHNC-UP)**
Pereira, Ana; Vieira, Cristiana
- 34 **21571 | The Sea Between Paper: Collections of Algae in PO Herbarium at the Natural History and Science Museum of the University of Porto**
Reis, João; Vieira, Cristiana
- 35 **21885 | Macrobenthic assemblages of seagrass meadows and bare sediment in intertidal flats on the Mira Chanel (Aveiro)**
Sousa, Francisco M.; Aragón, Raúl M.; Veiga, Puri; Rubal, Marcos
- 36 **21891 | Metabolic profiling of polyphenols of grapevine leaves challenged by *Phyllosticta ampellicida***
Mendonça, Daniel; Teixeira, Maria J.; Oliveira-Pinto, Paulo R.; Oliveira-Fernandes, Juliana; Santos, Conceição
- 37 **21894 | Optimization of sustainable methods for kelp reforestation**
Carvalho, Leonor; Chemello, Silvia; Borges, C. Débora G.
- 38 **21962 | Herbicidal effects and environmental safety of a eucalyptus-based nanoparticle**
Rodrigues, Beatriz; Pinto, Mafalda; Soares, Cristiano; Fidalgo, Fernanda
- 39 **22018 | Investigation of the regulation of root nodule formation by ammonia and peptide phytohormones in the model plant *Medicago truncatula***
Castro, Catarina N.; Seabra, Ana R.
- 40 **22031 | Evaluation of cyanobacterial auxin production and its effects on plant growth**
Pita, André; Melo, Paula; Moreira, Emanuel
- 41 **22073 | Looking to capitalize on agricultural by-products: Biological potential and chemical composition of *Actinidia arguta* (Siebold & Zucc.) Planch. ex Miq. (Kiwi Arguta) leaves and stems**
Martins, Raquel; Boavista, Fabiana; Ferreira, Filipa; Neves, Inês; Araújo, José; Brito e Faro, Rosário; Fernandes, Fátima; Valentão, Patrícia

- 42 **22103 | Natural Deep Eutectic Solvents as “tunable” green extractants for beach wrack macroalgae bioactive compounds**
Sousa, Leonardo; Balaji, Srivarshine; Gomes, Carlos; Vasconcelos, Vítor; Cunha, Isabel
- 43 **22023 | Demonstrating a role of Focal Adhesions strengthening in instructing premalignant cells progression to malignancy**
Rodrigues, Vanessa; Janody, Florence
- 44 **22106 | Kinetics of *in vitro* cell differentiation in a 3D cardioid model generated from hPSCs**
Gomes, Ariana; Santos, Rodrigo; Pinto-do-Ó, Perpétua; Peixoto, Márcia

Nº Health Sciences

- 45 **21388 | Nuclear morphometric features triggered by E-cadherin dysfunction**
Santos, José Pedro; Pereira, Joana; Sanches, João M.; Figueiredo, Joana
- 46 **21437 | Development of an Orthotopic Xenograft Model to Determine the Impact of FLVCR1 in Tumour Growth, Metastasis and Resistance to Chemotherapy *in vivo***
Godinho, Catarina; Viveiros, Nicole; Lamas, Sofia; Duarte, Delfim; Duarte, Tiago
- 47 **21451 | 3D immunospheroids: A new model to understand the impact of macrophages in Triple-negative breast cancer**
Silva, Mafalda; Canha-Borges, A.; Paredes, J.; Oliveira, M.J.; Castro, F.
- 48 **21669 | Human granulomas *in vitro*: a 3D model to study host-pathogen interactions**
Aleluia, Matilde; Gonçalves, Rute; Resende, Mariana; Couto, Joana; Saraiva, Margarida
- 49 **21709 | Lipid droplets as players in rectal cancer radioresistance?**
Linthout, Fien; Estêvão, Diogo; Ribeiro, Miguel; Macedo-Silva C. Lencart, Joana; Jerónimo, Carmen; Oliveira, Maria J.; Cruz, Tânia B. da
- 50 **21786 | Dissecting the roles of PRUNE2 and PCA3 in the PRUNE2/PCA3/AR triad and prostate cancer progression**
Corado, Madalena; Cardoso, Marta; Paulo, Paula; Orr, Bernardo; Brandão, Andreia; Teixeira, Manuel
- 51 **21788 | Exploring the mechanisms of resistance in ovarian cancer: A metabolomic approach**
Queijo, Beatriz; Amaro, Filipa; Nunes, Mariana; Guedes de Pinho, Paula; Ricardo, Sara; Pinto, Joana
- 52 **21835 | Deciphering horizontal transmission of resistance in lung cancer: The role of caveolae-dependent endocytosis**
Pereira, Luana; Guimarães, José; Machado, José C.
- 53 **22116 | Multi-omics analysis of TNBC organoids reveals an Endosomal Recycling regulation landscape specific of invasive cells**
Mota, Gonçalo; Cunha, Joana; Largher, Sara; Rocha, Ana M.; Cavadas, Bruno; Fortier, Anne-Marie; Park, Morag; Fernandes, Rui; Janody, Florence; Tavares, Sandra
- 54 **21656 | Prognostic factors in genetic acute myocarditis – a systematic review and meta-analysis**
Tomás, M. João; Pinho, Ana I.; Sousa Pinto, Bernardo; Martins, Elisabete
- 55 **21726 | Transthyretin Amyloidosis: *in vitro* Proteolysis and Aggregation Mechanisms in Cardiac Cells**
Oliveira, João; Cardoso, Isabel; Almeida, M. Rosário
- 56 **21791 | Cardiac structural modifications in a shorter, refined rat diabetic model**
Coutinho, Diogo C.; Esteves-Monteiro, Marisa; Almeida-Ribeiro, Cristiana; Dias-Pereira, Patrícia; Morato, Manuela; Fontes Sousa, Ana P.; Duarte-Araújo, Margarida
- 57 **21792 | Exploring the differentiation of AC16 cells: the quest for an ideal model of cardiomyocytes**
Moreira, Ana C.; Cláudia, Oliveira V.; Costa, Vera M.
- 58 **21831 | Rare origin of the sinoatrial node artery: an anatomical case report**
Pinto, Filipe F.; Madeira, M. Dulce; Pereira, Pedro A.
- 59 **21834 | Prevalence of pulmonary hypertension on echocardiogram in dogs with brachycephalic syndrome**
Ferreira, Ana R.; Ferraz, M. Inês; Oliveira, Joana; Fontes de Sousa, Ana P.; Rodrigues, Nina; Lima Lobo, Luís

- 60 21975 | Unusual bilateral relation between the median nerve and the brachial artery: an anatomical case report
Rodrigues, António; Moreira, Beatriz; Madeira, M. Dulce; Pereira, Pedro A.
- 61 22014 | iPSC-driven spheroids for cardiac patch vascularization
Sampaio, Beatriz; Ribeiro, João; Silva, Elsa D.; Bidarra, Sílvia; Barrias, Cristina C.; Nascimento, Diana S.
- 62 21636 | A Broad Analysis of Robotic Surgery: Advancements, Applications and Trends
Pinto, Vera; Barros, Inês; Taveira, Érica
- 63 22006 | AI at the bedside: a pathway to anticipating patient deterioration in intensive care?
Pinto, Vera

11:30 - 13:00 **PARALLEL ORAL SESSIONS X**

Room A1 – Biological Sciences IV

- 21778 | Exploring Plastic-Degrading Enzymes Towards Optimized Bioremediation
Fernandes, Mariana; Carneiro, João; Pratas, Diogo; Sousa, Sérgio F.
- 21811 | Creating a Comprehensive Database of Plastic Degrading Enzymes for Machine Learning-Enhanced Optimization
Cerqueira, Clara; Sousa, Sérgio; Pratas, Diogo; Carneiro, João
- 21377 | Evaluation of the “Bubble Barrier” technology on the ecological quality of the Ave Estuary
Castro, Gonçalo S.; Nogueira, Sandra; Vieira, Luís R.; Iglesias, Isabel; Sousa-Pinto, Isabel; Antunes, Sara
- 21382 | Ecotoxicological effects of caffeine residues on *Daphnia magna*
Gonçalves, Cláudia F.; Antunes, Sara C.; Alves, Rita S.; Rodrigues, Sara
- 21506 | Ecotoxicological evaluation of caffeine in standard aquatic species
Alves, Rita S.; Rodrigues, Sara; Gonçalves, Cláudia; Antunes, Sara C.
- 22043 | Biochar-mediated remediation of Cu-contaminated soils: impacts on growth and physiology of lettuce plants
Oliveira, Licínio; Sousa, Bruno; Martins, Maria; Cacheira, Simão; Guimarães, Renato; Fidalgo, Fernanda; Soares, Cristiano
- 22125 | Communities of pollinating arthropods in the agroecosystems of São Tomé
Padilha, Adriana; Velarde, Daniel; Viegas, Lionel; Lima, Gege; Beja, Pedro; Mata, Vanessa; Ferreira, Sónia

Room A2 – Engineering I

- 21375 | Extraction elements from Clinical Narratives using Ontologies
Leite, Maria; Stork, Lise; Jorge, Alípio
- 21668 | Fire Education Platform – Improving Engagement through Interactive Technologies
Oliveira, Letícia; Colaço, Conceição; Fava, Fabrício
- 21435 | Leveraging CRM Insights to Improve Operations: Identifying and Analysing for Bias in Model Training in a CRM's AI
Gonçalves, Maria; Amorim, Pedro; Costa, Mariana; Angélico, Rita
- 21501 | Assessment of the impact of mixed reality tools in surgical practice and training
Lima, Ana; Oliveira, Dulce; Magalhães, Renato; Vilaça, Adélio
- 21510 | Optimization of high energy density and sustainable electrolytes for redox flow batteries
Mendes, Joaquim; Ivanova, Yuliya; Dias, Paula; Duarte, Miguel; Mendes, Adélio

Room A3 – Literatures and Cultures

- 21644 | Marital masculinity in Contos e Histórias de Proveito e Exemplo
Silva, Carlos
- 21679 | The poem Syntra by Luísa Sigeia: Translation and study
Verdasca, Rui

21495 | The Classics in Contemporary Portuguese Poetry: Outlines of the Animal World in Sophia de Mello Breyner Andresen

Meireles, Ana C.

22040 | When passion and delusion collide: a comparative study of selected poems by Florbela Espanca and Sylvia Plath

Campos, Ana R.

21838 | Everything is Changed, Everything is the Same: Working Class Lives and Gender in Post-World War II England in Look Back In Anger and A Taste of Honey

Oliveira, Diogo

21705 | Literature in a Portuguese class: a study case in the A1 level

Cunha, Helena

Room A4 – Health Sciences X

21605 | SGLT2 Inhibitors: Novel Approach to Modulate Appetite Hormones and Cardiomyocyte Function

Correia, Beatriz; Rodrigues, Alexandre; Alves, Inês; Moraña-Fernández, Sandra; Mendes, Cláudia; Morais, Juliana; Gonçalves, Alexandre; Falcão-Pires, Inês

21737 | Comparative *in vitro* Cytotoxicity of Synthetic Cathinones and Methamphetamine on Cardiac AC16 Cells

Luís, Cláudia; Vitorino-Oliveira, Cláudia; Gaspar, Helena; Carvalho, Félix; Capela, João P.; Costa, Vera M.

21740 | The cytotoxicity of bortezomib in AC16 cardiac cells and possible therapeutic options involving redox pathways

Vitorino-Oliveira, Cláudia; Kahremany, Shirin; Nisim, Leon; Duarte-Araújo, Margarida; Carvalho, Félix; Gruzman, Arie; Costa, Vera M.

22016 | Empowering Health: Enabling a battery-less Smart Vascular Graft

Sousa, Raquel; Luís, Salomé; Gomes, Joana; Middleton, Herbert; Ventura, João O.; Pereira, André M.; Gonçalves, Inês C.; Pereira, Andreia T.

21918 | Optimal Trajectory of Neuroendoscope for Third Ventricle Pavement Access

Sousa, Joana; Andrade, José P.; Alves, Hélio; Pinto, Manuel J. F.; Silva, Susana M.

21367 | Miscarriage is associated with higher expression of lipoxygenases: the role of lipid mediators in decidualization

Sousa, Luísa G.; Alves, Patricia; Teixeira, Natércia; Correia-da-Silva, Georgina; Fonseca, Bruno M.

21910 | Prenatal Findings in 22q11.2 Microduplication Syndrome: a retrospective analysis of 8 cases and review of the literature

Vaz, Helena; Dória, Sofia; Leal, Mariana; Marinho, Márcia; Ramalho, Carla; Grangeia, Ana

14:30 - 16:00 **PARALLEL ORAL SESSIONS XI**

Room A1 – Biological Sciences V

21814 | Discovering the beta-oxidation pathway in cyanobacteria

Gonçalves, Inês; Kahn, Amaranta; Pereira, Leandro; Leão, Pedro; Figueiredo, Sandra

21992 | Chemical-mediated interactions between cyanobacteria and amoebae

Camacho, Francisco; Leão, Pedro; Vieira, Ana

22088 | From genome to conservation: DHDH in Cetacea

Dias, Joaquim; Silva, Nádia; Ruivo, Raquel; Castro, L. Filipe; Valente, Raul

21600 | PNPLA1: A story of gene loss in specific Cetacea lineages

Silva, Nádia; Valente, Raul; Seabra, Rosária; Alves, Filipe; Ruivo, Raquel; Rocha, Eduardo, C.; Castro, L. Filipe

22039 | Deconstructing the glomerular kidney: a case of evolutionary parallelism in teleosts

Pinto, Bernardo; Machado, André; Gomes-dos-Santos, André; Froufe, Elsa; Cordeiro, João M.; Garcia Barros, David; Kolbadinezhad, Salman; Fonseca, Elza; Andrade, José P.; Palma, Jorge; Ruivo, Raquel; Monteiro, Nuno; Wilson, Jonathan M.; Castro, Luís F.

21568 | Coastal Hide-and-Seek: a taxonomic study of fauna associated with northwest Iberian calcareous habitats

Martins, Duarte; Martins, Filipa M. S.; Costa, Dimítri A.; Monteiro, Cátia

21585 | Characterizing the amphibian diversity of Makay (Southwestern Madagascar)

Sequis, Daniel

21405 | Social Preference of Human-hand raised and Socialised Wild Boars

Oliveira, Catarina

Room A2 – Engineering II

21633 | Durability assessment of ETICS multilayer façade solutions

Silva, Daniela; Veloso, Rita; Souza, Andrea; Calvetti, Diego; Maia, Joana

21922 | The impact of different layers on the durability of ETICS - hygrothermal and optical performance of façades

Guimarães, Teresa; Souza, Andrea R.; Maia, Joana

21507 | Assessment of the durability and environmental impact of dark-coloured façade finishing coatings with nanomaterials inclusion

Santos, Bruno; Veloso, Rita; Souza, Andrea; Pedroso, Marco; Maia, Joana

21917 | Durability Assessment of High-Performance Concrete with Glass Powder for Façade Cladding

Barros, Sofia; Matos, Ana; Calvetti, Diego; Maia, Joana

21978 | Durability of a high-performance eco-efficient concrete for façade cladding

Dias, Camila; Maia, Joana; Matos, Ana M.

21677 | Biomass: A sustainable source for aviation fuel production

Martins, José P.R.; Ferreira, Karoline K.; Ribeiro, Lucília S.; Pereira, Manuel F.R.

21543 | Impact of Nanoparticle Incorporation in Dark Coatings for ETICS

Cunha, Joana P.; Veloso, Rita C.; Maia, Joana; Teles, Joaquim N.; Soeira, Bruno

Room A3 – History

21739 | “Malefactores erant et perversi”: crusader violence and religious coexistence in the Portuguese kingdom during the 12th century

Ribeiro, Vitor

21795 | The armament within D. João de Castro’s Tapestries

Catalo, Vicente

22004 | Comparative study of the Dress Codes between Portugal and England in the political and social context of the 16th century

Vasconcelos, Rafaela, G.B.P.

21748 | A pioneer in cowpox inoculation: Maria Isabel Wittenhall Van Zeller (1749-1819) – A biographical sketch

Cardoso, Hugo F. C.

21425 | A republican newspaper in the beginnings of the Military Dictatorship – Diário do Porto (1926-1927)

Silva, Daniel

21873 | “En frente usted!”: State repression in the Minho border in the first year of the Spanish Civil War

Viana, Duarte C.

22075 | The last elections in colonial Mozambique (1973) - limitations of colonial marcelism and racial hierarchies of power

Esteves, Eduardo S.V.D.

22009 | From the «invention of the Commune» to the «end of all illusions»: former militants of the Movement of Socialist Left and the memory of the Portuguese radical left

Martins, Misael

Room A4 – Health Sciences XI

21638 | Exploring the Interplay of Emotional States and Pain Perception in Portuguese Medical and Nursing Students: Insights from a Cross-Sectional Study

Romualdo, João M.; Borges, Elisabete; Tavares, Isaura; Pozza, Daniel H.

21727 | Incidence rates and mortality caused by oral cancer in firefighters

Almeida, Pedro; Rodrigues, Francisca; Costa, Paulo; Oliveira, Marta

21941 | Sarcopenia in an Internal Medicine department and the relationship with the adherence to a Mediterranean dietary pattern

Lino, Francisca; Matos, Catarina M.; Oliveira, Bruno; Dias, Margarida; Melim, Diva; Pinhão, Sílvia; Almeida, Jorge

21927 | The effect of pre-surgery clinical communication on bariatric surgery outcomes: a prospective study

Ferreira, Ana J.; Carvalho, Irene P.

21736 | Exploring SSC5D's impact on maternal-foetal infections and neonatal sepsis

Silva, M. Carolina; Santos, Rita F.; Carmo, Alexandre M.; Oliveira, Liliana

16:00 - 17:00 **POSTER SESSION P6**

Nº Engineering

1 21607 | Design and Development of Lamps Using Additive Manufacturing Processes

Silva, Mariana; Alves Lino, Jorge

2 21815 | Development of an Autonomous Boat for Versatile Aquatic Exploration

Sá, Alexandre S.; Monteiro, Duarte M.S.; Silva, Paulo F.M.; Lora, Vicente S.M.

3 21821 | Direct capture and recovery of carbon dioxide from atmospheric air with alkaline solution

Soares, Bernardo

4 21977 | Fused filament fabricated jumping rope handles for improved grip, mechanical strength and impact resistance

Lima, Miguel; Pais, Ana; Carvalho, Luís G.; Alves, Jorge L.

5 22048 | Thermometry Bias in Critical Care and Impact in Downstream Machine Learning Tasks

Martins, Inês; Matos, João; Gonçalves, Tiago; Cardoso, Jaime

6 21706 | Mine Waste Stream Valorisation

Silva, Catarina; Silva, Pedro; Sousa, Rui; Dinis, M. Lurdes

7 21713 | Environmental Management at IMPETUS

Mourão, Rita; Silva, Rafaela; Mendes, Joana; Sousa, José; Amorim, Daniela; Pires, José, C.M.

8 22133 | Sulphide Mine Waste Valorisation

Silva, Pedro; Silva, Catarina; Sousa, Rui; Dinis, M. Lurdes

9 21523 | Valorisation of chestnut by-products to produce innovative emulsions

Lains, Joana N.; Ribeiro, Andreia S.; Santos, Ricardo; Silva, Cláudia G.; Dias, Madalena M.; Barreiro, M. Filomena; Martins, Isabel

10 22128 | Horizontal support inclination for the control of the re-centring capability of Friction Pendulum Systems: A Performance-Based approach

Magalhães, Tiago; Caetano, Elsa; Guimarães, Miguel

11 21796 | Development of edible Pickering emulsions as food sauce alternatives

Cachada, Rita; Brito, Margarida; Santos, Ricardo; Dias, Madalena; Vieira, Dalila; Ribeiro, Andreia

12 21806 | Beyond the Scaffold: Alginate-based 3D Biomaterials as a Tool to Investigate Neuroinflammation

Coelho, Raquel; Morais, Miguel; Pêgo, Ana P.

13 22044 | Mucoadhesive Nanoparticles for the Intranasal Delivery of Green Tea Extract: A Therapeutic Strategy for Alzheimer's Disease

Teixeira, Rodrigo; Pinheiro, André; Rodrigues, Pedro; Andrade, Stéphanie; Pereira, M. Carmo

14 22046 | Unravelling the potential of essential oils components to block bacterial social behaviours for infections control

Tedim, Marta S.; Borges, Anabela P.; Simões, Manuel J.

Nº Humanities and Social Sciences

15 21352 | Spaces of transition: a comparative analysis between the Recolhimento do Anjo and the Recolhimento de Nossa Senhora da Esperança in Porto (1672-1837)

Costa, Rita A.F.

- 16 21370 | «Alms from the most serene majesty and his vassals»: Portugal and the Custody of the Holy Land (17th and 18th century)
Rodrigues, António M.
- 17 21380 | Prostitution and venereal diseases at Hospital de Santo António (1889)
Camões, Beatriz
- 18 21597 | Female Monasticism in Portugal in the Middle Ages: historiographical and literary representations
Costa, Bruna dos Santos
- 19 21657 | In the Weave of Time: Are Archaeological Textiles and Hides the Silent Witnesses of History?
Almeida, Catarina; Alves, José; Avello, Lucas; Calzavara, Ana; Camacho, Alexandra; Faria, Duarte; Forte, Gabriel; Gomes, Vítor; Henequin, Dora; Machado, Filipe; Marques, Luís; Martins, César; Moreira, Mariana; Rocha, Carlos; Ferreira, Daniela
- 20 21701 | Chapels and the religious expression of communities, the case study of the parish of São Martinho de Argoncilhe
Amorim, David A.
- 21 21794 | Revisiting a Greek Vase in Portugal
Ferreira, Francisco
- 22 22107 | From Athens at the 5 century BC: Experiencing a Greek Vase in Porto by the lenses of Art History
Dantas, Letícia
- 23 21496 | Text into Image, Image into Text: Written Theatre's Frontiers in Nuno M. Cardoso's *Cassandra*
Silva, Vítor, A.
- 24 21903 | Natália Correia and the Feminism Mystique – Reception and Intermediality of the medieval tradition
Dias, Leonor C.
- 25 21955 | Love and Rejection in Maternity and Mothering: Portraits of Violence
Carneiro, Barbara N. S.; Soares, Marly C.
- 26 21823 | The New Cold War: how the development of sub-development influenced the relations between Iran and Saudi Arabia
Gomes, Diana; Martinho, Carolina; Freitas, Fabiana; Correia, Raquel; Lopes, Rita
- 27 22126 | Graphical Abstracts: A bridge between science and the public?
Campos, Mariana; Ferreira, Cristina; Santos, Maria J.

Nº Biological Sciences

- 28 21420 | Exploring Environmental Microbes as Biocontrol Agents of *Drosophila suzukii*: Impact on Adult Survival, Larval Development and Metabolic Pathways
Chegão, Júlia; Santos, Marino; Sario, Sara; Santos, Conceição
- 29 21492 | Pain in zebrafish (*Danio rerio*): studying the practical case of fin clipping
van Os, Elena A.C.; Olsson, Anna; Valentim, Ana M.
- 30 21604 | Challenging the health vs growth paradigm in aquaculture. A nutrition approach in Senegalese sole juveniles
Veloso, Alexandre; Martins, Micaela; Vila-Franca, Carlos; Bastos Almeida, Diana; Peres, Helena
- 31 21667 | *Pieris brassicae* host plant choice and acceptance on *Brassica nigra* following induction by *Orius laevigatus*
Lisboa, Luísa; Mulder, Kees; Bolletta, Gabriele; Dicke, Marcel
- 32 21676 | Growth to the adult stage of phoretic mites of the red palm weevil under laboratory conditions for taxonomic studies
Martins, João; Rangel, Luís; Pardo, Camilo; Santos, Maria
- 33 21764 | Antarctica's Dry Valleys as a planetary analogue for Mars – implications for potential life forms
Sousa, Isabel S.; Pereira, Manuel F.; Magalhães, Catarina; Martins, Zita
- 34 21765 | Activity budget of Humboldt penguins (*Spheniscus humboldti*) under human care at SEA LIFE Porto and how Environmental Enrichment may influence activity levels
Carvalho, Jacira; Ferreira, Ana; Magalhães, Ana

- 35 **21799 | Long distance relationships: genomics suggests the existence of a panmictic population in the worm pipefish**
Gomes, Lurdes P.; Roth, Olivia; Monteiro, Nuno
- 36 **21832 | Effects of synthetic herbicide atrazine on bovine epididymal sperm function and structure**
Pereira, Adriana; Alves, Marco; Lopes, Graça
- 37 **21842 | Unveiling water mite diversity in Portugal: a prelude to species discovery**
Girão, Dinis; Ferreira, Sónia
- 38 **21857 | Exploring hybridization dynamics in Alpine Hare Species under climate-driven range shifts**
Sousa, Pedro; Costa, José; Pimenta, João; Farello, Liliana; Letty, Jérôme; Kaerle, Cécile; Queney, Guillaume; Alves, Paulo C.; Melo-Ferreira, José; Marques, João P.
- 39 **21904 | Deciphering Toxicity in the Reef: Transcriptomic Analysis of Stony Corals Venom**
Moreira, Mafalda S.; Barroso, Ricardo A.; Sousa, Rita; Antunes, Agostinho
- 40 **21957 | Molecular Approach for Insect Detection in Feed: The Case Study of *Tenebrio molitor* and *Hermetia illucens***
Vieira, Maria T.; Valente, Luísa M.P.; Mota, Maria J.; Almeida, André; Silva, Andreia F.; Gomes, Sónia
- 41 **21994 | Virtual proteolysis strategy to explore the repertoire of antimicrobial peptides from Cnidaria**
Sousa, Rita; Barroso, Alexandre R.; Agüero-Chapin, Guillermin; Moreira, Mafalda S.; Antunes, Agostinho
- 42 **22002 | Sustainable Antifouling Agents: Hazard Assessment of Novel Solutions**
Leite, Jéssica; Santos, Miguel; Ruivo, Raquel; Silva, Marta
- 43 **22005 | Pygmy Hippopotamus (*Choeropsis Liberiensis*) Behaviour: A Practical Ethogram to Assess Enrichment in Captivity**
Poinho, Maria; Carrilho, Ana; Ramos, Francisco
- 44 **22012 | Unravelling the genetic basis of divergent social behaviours in *Mus spicilegus* and *Mus macedonicus* through whole genome sequencing**
Pires, Rodrigo; Boursot, Pierre; Melo-Ferreira, José; Marques, João P.
- 45 **22065 | Engineering of Cyanobacterial Extracellular Vesicles for Modulating Fish Appetite**
Ramos, Francisco; Ferreira, Eunice; Oliveira, Paulo
- 46 **22081 | Dynamics and evolution of immune multigene families in Lagomorphs: a comparative genomics approach**
Borges, João R.; Esteves, Pedro J.; Melo-Ferreira, José; Marques, João P.
- 47 **22113 | Impact of wildfires on lizard diets in Portugal**
Simões, Catarina; Vasconcelos, Diana S.; Rato, Catarina; Xavier, Raquel; Santos, Xavier; Harris, D. James
- 48 **22136 | Microscopic identification of the sex and gonadal development in the axillary seabream (*Pagellus acarne*)**
Neves, Francisca; Schäfer, Christoph; Vasconcelos, Rita; Seabra, Rosária; Rocha, Eduardo; Correia, Alberto T.
- 49 **21433 | Innovative rutin-loaded lipid micelles for topical administration: formulation development and rheological profile**
Guedes, Beatriz; Fathi, Faezeh; Oliveira, M. Beatriz P. P.; Souto, Eliana B.
- 50 **21477 | Developing a machine learning model for in-silico aptamer development**
Vieira, Rafael; Pratas, Diogo; Carneiro, João; Sousa, Sérgio
- 51 **21616 | Synthetic cannabinoid THJ-2201 dysregulates osteogenesis-related mechanisms in MC3T3-E1 cells**
Loureiro, Mafalda; Carvalho, Félix; Silva, João P.
- 52 **21687 | Volatile chemical characterization of electronic cigarettes, heated tobacco products and traditional tobacco**
Freitas, Inês; Monteiro, Vânia; Guedes de Pinho, Paula; Pinto, Joana

- 53 **21987 | Unravelling proline dynamics – the duality of accumulation in *Solanum lycopersicum* L. under osmotic stress**
Konrad, Clara; Martins, Maria; Nadais, Pedro; Spormann, Sofia; Soares, Cristiano; Fidalgo, Fernanda
- Nº Health Sciences**
- 54 **21539 | “NESTE CARRO NÃO SE FUMA”: Evaluation and adaptation of a project promoting smoke-free environments implemented in Primary Schools**
Oliveira, Sara; Ramos, Elisabete; Muralova, Anna; Amorim, Mariana
- 55 **21680 | Maxillary sinus lifting: how to measure the results of bone regeneration? A retrospective study comparing measurement techniques**
Lins, Rafael C.; Martin, Victor Z.; Marchini, Monikelly C.N.; Gomes, Pedro S.
- 56 **21684 | Influence of the bone graft substitute in the biological response to zirconia implants: an *in vitro* study**
Qamri, Batul; Gomes, Pedro; Fernandes, João S.; Fernandes, Pedro; Grenho, Liliana
- 57 **22020 | Validation of the Adult Asthma Epidemiological Score: a secondary analysis of EPI-ASTHMA**
Laranjeira, Catarina; Jácome, Cristina; Amaral, Rita; Bernardo, Filipa; Correia-de-Sousa, Jaime; Fonseca, João A.
- 58 **22021 | Modelling and minimizing delay in diagnosis of diseases caused by mycobacteria**
Gomes, Filipe; Pedroso, João P.; Aguiar, Ana; Duarte, Raquel
- 59 **22105 | Internal Fit of 3D Printed occlusal splints: impact of build orientation**
Araújo, Sarah; Barbosa, Lara; Simionato, Anselmo A.; Freitas, Bruna N.; Figueiral, M. Helena; Macedo, Ana P.; Sampaio-Fernandes, Manuel A.

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

Room A1 – Communication and Political Sciences

- 21650 | Co-creation of Science Communication Routes: the GreenUPorto case study**
Barros, Bárbara; Oliveira, Sofia S.; Pereira, Ruth
- 21753 | Environmental Journalism: A case study of Público’s “Azul”**
Meireles, Catarina
- 21879 | Dialogues between Gender and Art: Decoding “Gineceu Androceu” through the Semiotics of Visual Communication**
Pereira, Nuno; Costa, Emília
- 21985 | Migration through the lens of Feminist International Relations Theory: An Ethnographic Study**
Oliveira, Rui S.
- 21890 | Overcoming a drought of solutions: Strategic Diplomacy’s value for the Grand Ethiopian Renaissance Dam negotiations**
Barbosa, J. Miguel; Coimbra, Mariana; Correia, Rita; Martins, Íris; Pereira, Diana
- 21767 | EU-nique perspectives? Analysing Contrasting Positions on the Russo-Ukrainian Conflict within the EU**
Ramos, Matilde C.; Dias, Filipa S.; Resende, Mariana S.; Castro, Isabella B.M.; Rios, Bianca R.; Xiomara, Noa S.
- 22053 | Resonance of Populism: Shaping Israel's Leadership Narratives on the Palestinian Conflict**
Alves, Sara; Barbosa, Beatriz; Dias, Carlota; Figueira, Irene; Teixeira, Ana R.

Room A2 – Engineering III

- 21423 | Treatment of wine distillery effluents using advanced oxidation processes**
Lemos, João Pedro; Rodrigues, Carmen S.D.; Madeira, Luís M.
- 21800 | Magnetic flocculation harvesting in synthetic wastewater: a first approach**
Silva, Pedro; Castelo Grande, Teresa; Barbosa, Domingos; Simões, Manuel

21569 | Development of Carbon Dots as Fluorescence Probes for Bioimaging

Araújo, Catarina; Rodrigues, Raquel O.; Ribeiro, Rui S.; Silva, Adrián M.T.

21785 | Development of PLGA nanoparticles for the encapsulation of fluoxetine: a drug with anti-glioblastoma properties

Nóbrega, Carina; Andrade, Stéphanie; Loureiro, Joana A.; Ramalho, Maria J.; Pereira, Maria C.

21750 | Production and Characterization of Naringenin-Loaded Nanoparticles for the Treatment of Bacterial Infections

Capela, M. João; Andrade, Stéphanie; Ramalho, Maria J.; Guimarães, Nuno; Azevedo, Nuno; Pereira, Maria C.; Loureiro, Joana A.

22052 | Stealth Liposomes for the Targeted Delivery of Epigallocatechin for Alzheimer's Disease Therapy

Ferreira, Ângela; Andrade, Stéphanie; Loureiro, Joana; Pereira, M. Carmo

21948 | Exploiting natural compounds loaded into lipidic nanoparticles to prevent skin aging

Pereira, João P.; Pereira, Maria C.; Loureiro, Joana A.

Room A4 – Health Sciences XII

21591 | Preferences for engagement in decision-making about health data sharing for research among rare diseases patients and informal carers

Pinho, Ana F.; Henriques, Ana; de Freitas, Cláudia

22041 | Long-term effect of musculoskeletal pain history and experimental pain responses on adolescents' quality of life: a cohort study

Pires, Catarina; Talih, Makram; Mateus, Elsa; Gomes, Cláudia F.; Santos, Maria J.; Lucas, Raquel

21947 | Sarcopenia in an Internal Medicine department and the relationship with cognitive function

Lino, Francisca; Matos, Catarina M.; Oliveira, Bruno; Dias, Margarida; Melim, Diva; Pinhão, Sílvia; Almeida, Jorge

22122 | What is the effect of a mental health literacy program on teacher burnout?

Silva, Maria

21924 | The impact of Alzheimer's disease on the family/caregiver: The role of using supports on burden and satisfaction

Almeida, Cláudia D.; Carvalho, Irene P.

21973 | Can Ovarian Cellular Senescence play a role in the development of Epithelial Pre-neoplastic lesions?

Brandão, Catarina I.F.; Rigos, Natália; Almeida, Henrique; Ricardo, Sara; Silva, Elisabete

22064 | Addressing the role of maternal age on the metabolic profile of the placenta

Pinheiro, Ana R.; Rodrigues, Adriana; Matos, Liliana; Guedes-Martins, Luís; Almeida, Henrique; Silva, Elisabete