

U. PORTO



16.ª EDIÇÃO

**ENCONTRO DE
INVESTIGAÇÃO
JOVEM
UNIVERSIDADE
DO PORTO**

**10.11.12
MAIO 2023**

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AGROFOOD & ENVIRONMENT



Oral Sessions

Margarida Teixeira

Edible flowers rich in anthocyanins: Stability and bioaccessibility of an emerging, healthier and sustainable diet

Pedro Nadais

Unveiling the role of proline in plants exposed to glyphosate

Poster Sessions

André Alves

Assessment of soil health in the vicinity of a Au/Sb Mine

Helena Monteiro

Major climate changes during key glacial terminations in the North Atlantic Region

João Oliveira

*A safe and targeted approach to developing specific bio-pesticides: identification of essential genes in the invasive pest red palm weevil (*Rhynchophorus ferrugineus*)*

Sara Lourenço

*Marine micro-debris ingestion and biological effects in wild fish (*Trisopterus luscus*) from the North East Atlantic Ocean*

Vasco Reis

Physical and chemical characterization of the calcium difluoride sludge heap from a phosphate processing plant (NORM site)



ARCHITECTURE



Oral Sessions

Elayne Spencer Barbosa

Cape Verde, "10 graozinho di terra": memory, identity and strategies of the house in Ribeira Brava

Poster Sessions

Ana Capela

The Contribution of Memory in the recognition of Identity: stories, testimonies and sharing as Living Voices of Porto School



ARTS



Oral Sessions

Inês Vales

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

Poster Sessions

Raquel Clemente

The Design of Book Covers: graphic analysis between translations and reprints of the author Haruki Murakami



BIOLOGICAL SCIENCES



Oral Sessions

Ana Sofia Ramos

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

Bernardo Pinto

Sans Glomeruli: the recurrent origin of aglomerular kidneys in teleosts

Bruno Santos

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

Maria Mendes-da-Silva

Improvement of aging hallmarks through mitotic epigenetic bookmarking

Tiago Lourenço

Can atorvastatin and 17 α -ethinylestradiol disrupt lipid pathways in brown trout?



BIOLOGICAL SCIENCES



Poster Sessions

6

Ana Ventura Bravo

Development of high-order mutants for Arabinogalactan Proteins and further functional characterization

Carlos Moreira

Studying the antiviral activity of synthetic compounds against SARS-CoV-2 infection

Carolina Macieira

The dietary niche of the European otter in areas invaded and non-invaded by the signal crayfish in the NW of Portugal

Daniela Gomes-Andrade

Atrazine impairs the nutritional support of spermatogenesis by suppressing glycolysis of mouse Sertoli cells

Helena Ramos

Exploring the toxicity of environmental and food contaminants on neuronal cells

Inês Pinto

Molecular mechanisms underlying robust MPS1/TTK activation

Luís Campos

*Genetic structure of the red squirrel (*Sciurus vulgaris*) in Portugal*

Raquel Martins

*A new approach about the leaves of *Solanum betaceum* Cav: chemical composition and multimodal effect in the management of inflammatory events*

Rita G. Bessa

Tension-driven axon elongation triggers cytoskeleton remodelling



CHEMISTRY



Oral Sessions

José Silva

Development of superoxide anion sensing compounds based on chemiluminescent coelenterazine

Nuno Sousa Dias

Electron correlation in aromatic molecules: Analysis of conjugation in naphthalene and fluorene derivatives

Susana Araújo

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

Poster Sessions

Ana Rita Gaspar

New chalcone-kojic acid hybrids with potential antityrosinase activity

Ana Silva

Electrochemical biosensing of ANP using MIPs as receptors

Bárbara Sampaio

Design and synthesis of proline mimetic amphiphiles as potential transdermal drug delivery systems

Roberto Pinto

New antidotes for Bothrops asper venom: study of PLA2 protein

CRIMINOLOGY AND LAW



Oral Sessions

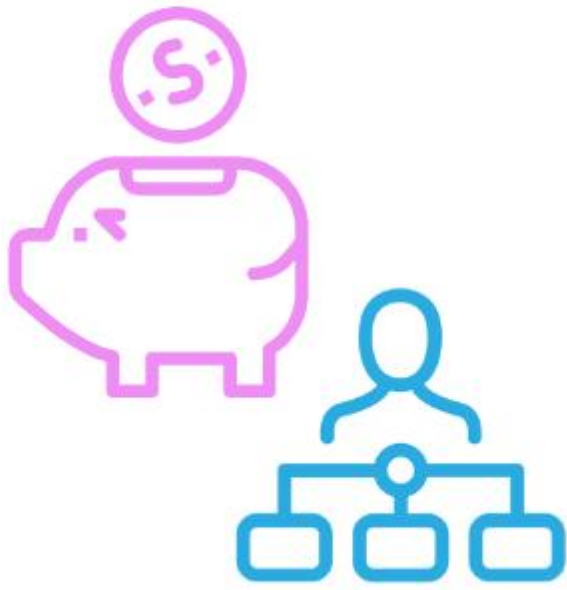
Marta Pereira de Sousa

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

Poster Sessions

Victoria Sousa Silva

Life trajectories in drug dealing: foreign and gypsy ethnicity women prisoners



ECONOMICS AND MANAGEMENT



Oral Sessions

Patrícia Monteiro

Portugal and Germany: Economic relationship during World War II (1939-1945)



ENGINEERING



Oral Sessions

10

Catarina Lopes

Development of a knee positioning system for X-ray environment

Pedro Sousa

Conditional AI-based generation of diffusion MRI images

Vítor Gonçalves

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

Poster Sessions

Daniela D'Orey Leal

Recycling polyurethane and thermoplastic urethane waste from external prostheses for the manufacture of filaments for 3D printing

Gustavo Bongiovi

Assessing OPEX costs at hydropower plants: A path for efficiency and decarbonization

Marisa Gomes

Recycled construction and demolition waste in landfill cover systems: inclined plane shear resistance of interfaces with geosynthetics

Vasco Rodrigues

Mechanical characterization of a novel silane based polyurethane hybrid flexible adhesive



HEALTH SCIENCES



Oral Sessions

11

Ana Catarina Costa

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

Ana Catarina Sousa

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

Inês Castro-Almeida

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

Inês Costa

New mitochondria-targeted hydroxycinnamic and hydroxybenzoic acids derivatives as innovative agents for the treatment of Parkinson's disease

João Morais

Targeting BRCA-1-mediated DNA repair in pancreatic ductal adenocarcinoma therapy

Maria Botelho

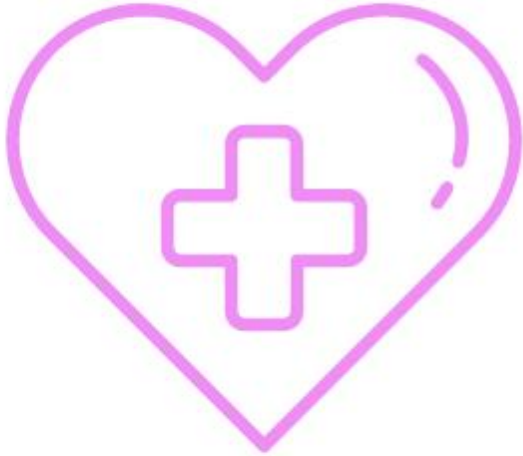
Characterization of inflammatory pathways and fibrosis in human endometriosis

Mariana Ribeiro

Development and characterization of mycobacterial biofilm models to study drug susceptibility

Raquel Raínho

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



HEALTH SCIENCES



Poster Sessions

12

Ana Rita Monteiro

New P-glycoprotein activators as potential small molecules for the treatment of Alzheimer's disease

Ânia Gomes

Lipid metabolism in iron overloaded mice adipose tissue

Bárbara Ferreira

Establishment of a 3D multi-layered intestinal inflammation model

Beatriz Rodrigues

Transgenerational high-fat diet mouse model shows elevated expression of obesity-related genes and impaired mitochondrial performance in seminal vesicles

Francisco Teixeira

Does allergic rhinitis induce structural and behavioural changes in the male rat brain?

Mafalda Magalhães

*From farm-to-fork: occurrence of persistent multidrug-resistant and copper-tolerant *Klebsiella pneumoniae* clones in poultry farms*

Mariana Nascimento

Finding a link between S100B and Transthyretin, two proteins with anti-aggregation properties against A β peptide

Nuno Ribeiro

The impact of IFN γ -mediated endothelial cell activation for the progression of the mycobacterial granuloma

Rafaela Nogueira

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

Vítor Dias

Microtubule dynamics and axonal transport are impaired in Transthyretin Amyloid Polyneuropathy



HUMANITIES AND SOCIAL SCIENCES



Oral Sessions

Clarisse Rangel Pamplona

The Art of Forgery

Inês de Sousa

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

Sara Brandão

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

Poster Sessions

Bárbara Barros

Thematic routes as an institutional science communication strategy: The GreenUPorto's case study

Rui Ferreira

Difficulty in accessing housing in the parish of São Mamede de Infesta and Senhora Hora



Maths, Astronomy & Physics



Oral Sessions

Francisco Pimenta

Analytical solutions for cosmic superstrings evolution: Preliminary results

Joana Teixeira

Intelligent Optical Tweezers for high-throughput applications

Poster Sessions

Patrícia Soares

Water-Evaporation-Induced Generator with bio-waste activated carbon

Rodrigo Pereira

Spectral Curves and Moduli Spaces of Higgs Bundles



PSYCHOLOGY AND SCIENCES OF EDUCATION



Oral Sessions

15

Filipa Miranda

How context and children's characteristics promote the child's right to participation

Isabel Rasteiro

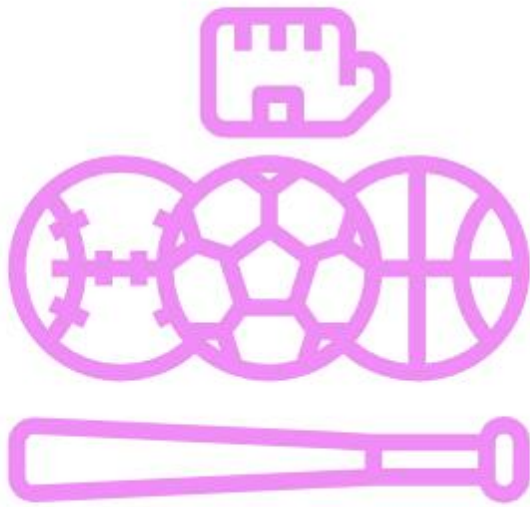
Do writing motivational beliefs feed off each other and predict writing performance? A cross-lagged approach in middle grades

Poster Sessions

Willian Souza

The importance of epistemological reflection in the pedagogical act: Pedagogical paradigms in light of the UNESCO report on the Futures of Education

SPORT SCIENCES



Oral Sessions

Andrea Bezerra

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

Maria Madalena Moreira

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

Poster Sessions

Luana Domingues

Can an inter-task verbal feedback change breaststroke kinematics and efficiency at a sprint pace?

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