LIST OF COMMUNICATIONS

Plenary Lectures

PL1. Diana Aga

Mind the Fluorine Gap: Analytical Methods for Unmasking PFAS and Closing Fluorine Mass Balance in Environmental Samples

PL2. Boris Mizaikoff

Probing the World with Good Vibrations

PL3. António Rangel

Flow-based systems as convenient tools for sample processing in environmental monitoring

Keynote Lectures

KN1. Rosário Domingues

Advanced Lipidomics Analytical Solutions to Uncover the Value-Added Potential of Algae for Sustainable Bioproducts

KN2. Tiago Rosado

From Plasma to Oral Fluid: Advancing Non-Invasive Drug Monitoring in Clinical and Forensic Toxicology

KN3. Ricardo Bettencourt da Silva

Democratisation of the evaluation of the measurement uncertainty

Oral Communications

OC1. Jorge Pereira

Streamlining Analytical Workflows with μSPEed: Advanced Miniaturized Sample Preparation for Bioactive Compounds Extraction and LC-MS Integration

OC2. Rodrigo Pelixo Silva

Monitoring Endocrine-Disrupting Compounds in Surface Waters: A Validated SPE and GC-MS/MS Approach

OC3. Joana Leal

Mass spectrometry hyphenated techniques as essential tools to bioproduct exploration and valorization

OC4. Diana Cunha

Innovative analytical approaches for biopharmaceuticals evaluation

OC5. Diana Lopes

Seasonal variation of lipid content and fatty acid profiles in outdoor cultivated Limnospira platensis and Microchloropsis gaditana

OC6. Rita Abreu

Validation and application of a Near-Infrared Spectroscopy Method for Rapid Evaluation of Wine Quality

OC7. Ana L. Silva

Strategies for viral nucleic acid sensing using fluorescent carbon and semiconductor quantum dots

OC8. Stephanie Morais

Chestnut Honey Authentication by Electrochemical Genosensing

OC9. Ana Moreira

Advanced extraction and analytical characterization of sustainable ingredients produced by an innovative biorefinery approach for Ulva sp.

OC10. **Ana Rita Loureiro**

Experimental Design for the Synthesis Optimization of Aqueous AgCuSe-Cys Nanocrystals

OC11. **Pedro Matias**

Integrated analytical and remediation strategy for multi-class antibiotics in water using HPLC-DAD and novel porous organic polymers

OC12. **Mafalda Pereira**

A flow method for monitoring potential cadmium and lead contamination in water

OC13. **Miguel Neves**

The Relationship Between Biomolecular Structure and Function for Advancing Biosensor Applications

OC14. **Andreia Silva**

Sirolimus Exposure During Breastfeeding: A Clinical Evaluation

OC15. **Eliana Fernandes**

Microelectrode-Based Electrochemical Biosensors for Real-Time Monitoring of Neurometabolic Markers

OC16. **Ivana H. Šrámková**

Nanofibrous SPE of NSAID in natural waters using 3D-printed sorbent holder prior HPLC analysis

OC17. **Joseany Almeida**

Poly(Nile blue)-ternary deep eutectic solvent films on carbon nanotube modified screen printed electrodes for hydroquinone and catechol

OC18. **Francisca Ferreira**

In-situ monitoring of nitrate levels in water samples using a specially designed microfluidic paper-based device

OC19. **Tiago Conde**

Characterization of isoprostanoids profile in auto- and heterotrophically grown Chlorella sorokiniana

OC20. **Carina Vieira**

Do-It-Yourself Laser-Induced Graphene Electrodes for Assessment of CYP3A4 Catalysis

Flash Communications

30th March

FL1|P1. Karol Kubacki

Application of gold nanoparticles for the determination of gentamicin using a smartphone as a detection system

FL2|P2. Rita Gouveia

Continuously stirred tank system employing laccase-modified biochar composites for diclofenac removal from wastewater

FL3|P3. Beatriz Suordem

SPE-LC-MS/MS method for chiral and achiral azole fungicides: Optimization, drinking water monitoring and risk assessment spectrometry hyphenated techniques as essential tools to bioproduct exploration and valorization

FL4|P4. Leonor Barroca

Monitoring Fluoroquinolones in Environmental Water Samples through an optimized and Validated Stereoselective SPE-LC-MS/MS Method

FL5|P5. Beatriz Valadares

Magnetic TiO_2/CQDs photocatalysis for sustainable antibiotics degradation in water

FL6|P6. Luís Ferreira

From Recycled Graphite to Smart Concrete: Chemistry for the Future of Construction and a Sustainable Economy

FL7|P7. Inês Quintela

EU-Relevant Micropollutants in Drinking Water: A SPE-LC-MS/MS Monitoring and Risk Assessment

31st March

FL8|P28. Anna Bonczyk

Electrochemical sensor dedicated to the analysis of Δ^9-THC Optimization, Electrochemical behavior and Validation

FL9|P29. Mariana Neves

Drying method matters: analytical assessment of lipids, pigments and carbohydrates preservation in Fucus vesiculosus, Gracilaria gracilis and Ulva sp.

FL10|P30. Michelle Castanheira

Label-free impedimetric DNA-based sensor for the Aspergillus fumigatus detection

FL11|P31. Arine Trindade

Chemical characterization of essential oils from Lavandula luisieri (Rozeira) Rivas Mart.

FL12|P32. Inês Pereira

Design and Evaluation of a Disposable Lactate Biosensor for Point-of-Care Diagnostics

FL13|P33. João Pereira

Seasonal Variability in the Lipid Composition of Microchloropsis gaditana grown outdoors

FL14|P34. Raquel Teixeira

Size exclusion flow-based low-pressure chromatographic approach for the molecular weight in protein hydrolysates

Poster Communications

30th March

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P8. Ana Machado

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P9. Raquel Mesquita

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P10. Luís Passarinha

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P11. Nswadi Kinkela

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P12. Marta Barbosa

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P13. Bruno Castro

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P14. Matilde Rodrigues

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P16. Maria Cristina Antunes

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P17. Ricardo Silva

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P19. Érika Sousa

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P22. Tomás Barros

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P23. Michelle Castanheira

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P24. Stephanie Morais

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P25. Sara Silva

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P36. Joana Leal

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P49. Oliwia Świerczyna

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P50. Gercílio Chichava

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P51. Maria João Nunes

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