



# PROGRAM

01 - 02 June 2023

Funchal, Madeira Island – PORTUGAL

## Thursday, 01<sup>st</sup> of June of 2023

09:00 09:30 **Participants Registration**

09:30 10:15 **Opening Session**

10:15 10:45 **Coffee-break**

**Chair: Jorge Pereira**

10:45 11:25 [O-01] **Investigating the role of hydrogen sulfide in neurodegeneration: focus on Amyotrophic lateral sclerosis (ALS)**

Viviana Greco, Alida Spalloni, Nicola B. Mercuri, Patrizia Longone & Andrea Urbani

11:25 11:50 [O-02] **Intoxications associated with fish consumption: the case of ciguatera**

Pedro Ideia, Mafalda Freitas, João Delgado & Ricardo Sousa

11:50 12:05 [O-03] **Synthesis and characterization of fluorescent carbon nanoparticles from *Ricinus communis* L.**

Filipa Pita, Ivo Martins & João Rodrigues

12:05 12:30 [O-04] **Assess the potential of urinary volatilomic pattern of COVID-19 patients infected by SARS-CoV-2. An exploratory study**

Giulia Riccio, Joana Lira, Cristina V. Berenguer, Cristina P. Ornelas, Rafaela Fernandes, Viviana Greco, Rosa Perestrelo, Jorge A.M. Pereira & José S. Câmara

12:30 12:35 **10<sup>th</sup> CQM Annual Meeting Photo**

12:35 14:00 **Lunch**

**Chair: Jaison Jeevanandam**

14:00 14:40 [O-05] **Green Biomaterials (IV): Natural-based Steroid Copolymers with pH/redox Dual Stimuli-Responsive Properties towards Cancer Chemotherapy**

Ruilong Sheng

14:40 15:05 [O-06] **Aromatic herbs – from Mediterranean cuisine to allies in pest control**

Rui Ferreira & Paula Castilho

15:05 15:30 [O-07] **The Effect of Nitrogen and Sulfur-based Precursors on the Synthesis and Optical Properties of Carbon Dots**

Ivo Martins & João Rodrigues

15:30 15:45 [O-08] **Hesperidin as a potential biopesticide for environmental applications: extraction, purity determination, and formulation**

Verónica Pereira, Onofre Figueira & Paula Castilho

15:45 16:00 [O-09] **Development of Laponite® gels for cisplatin delivery**

Ana Duarte, João Rodrigues & Helena Tomás

## Friday, 02<sup>nd</sup> of June of 2023

### Chair: Ruilong Sheng

09:30	10:00	[O-10] <b>The impact of <i>Arundo donax</i> leaf-derived nanocellulose formulation on the mustard plant growth</b> <u>Jaison Jeevanandam</u> & João Rodrigues
10:00	10:25	[O-11] <b>Stabilization of <i>Lactiplantibacillus plantarum</i> WCFS1 during freezing, freeze-drying, and storage using legume wastewater extracts containing galacto-oligosaccharides</b> <u>Gonçalo N. Martins</u> , Maria Guerrero Sanchez, Angela D. Carboni, Fernanda Fonseca, Sonia Campoy, Andrea Gómez-Zavaglia & Paula C. Castilho
10:25	10:50	[O-12] <b>Polyester-based dendritic block copolymers with biodegradable properties for potential cancer treatment</b> <u>Fátima Mendes</u> , Natalia Sanz del Olmo, Jorge San Jacinto Garcia, Michael Malkoch & Helena Tomás
10:50	11:05	[O-13] <b>Purification of galacto-oligosaccharides by enzymatic reaction with glucose oxidase</b> <u>Javier González</u> , Gonçalo N. Martins, Andrea Gómez-Zavaglia & Paula C. Castilho
11:05	11:30	<b>Coffee-break</b>

### Chair: Mara Gonçalves

11:30	11:55	[O-14] <b>Membranes for Biomedical Applications: Investigating the Potential of Pectin and Chitosan</b> <u>Onofre Figueira</u> & Paula C. Castilho
11:55	12:20	[O-15] <b>Transfection studies of oxidized fluorinated generation four PAMAM dendrimers</b> <u>Lydia dos Orfaos</u> , Helena Tomás & João Rodrigues
12:20	12:45	[O-16] <b>Interdelta polymorphism analysis for identification of <i>Saccharomyces cerevisiae</i> strains</b> <u>Marianqie M. Castillo</u> , Nikol Parra, José S. Câmara & Mahnaz Khadem
12:45	13:10	[O-17] <b>The molecular control of extracellular fiber mechanics on human cells</b> <u>Aziz A. Alrwaili</u> , Ilda Ortega Asencio, Daniel W. Lambert & Annica K. B. Gad
13:10	13:40	<b>Closing Session</b>