

# PROGRAM

Thursday, 03<sup>rd</sup> of October of 2024

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

## Opening Session

Sílvio Fernandes  
*Rector of the University of Madeira*

Jorge Carvalho  
*Regional Secretary of Education, Science and Technology*

09:30 10:15 Francisco Fernandes  
*President of the General Council of the University of Madeira*

Rui Caldeira  
*President of the Administration Council of ARDITI*

João Rodrigues  
*Scientific Coordinator of CQM*

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

**Chair: Jorge Pereira**

10:45 11:25 [O-01] **Green biomaterials (V): Natural steroid-based nanobiomaterials for DOX-autophagy inhibitor synergistic drug delivery, and in-silico QSAR model for biomolecule optimization**  
Ruilong Sheng, Zhao Wang & Ruihua Guo

11:25 11:40 [O-02] **Evaluation of the mechanisms of action of essential oils on enzymes relevant to animal development (insects and nematodes)**  
Mariana Martins & Paula Castilho

11:40 11:55 [O-03] **Low-generation poly(alkylidenamine) dendrimers as new antimicrobial agents: a brief project introduction**  
Sofia Remesso, Dina Maciel & João Rodrigues

11:55 12:10 [O-04] **Monitoring the occurrence of microplastics in food and water**  
Mariana Silva, José S. Câmara & Rosa Perestrelo

12:10 12:20 **11<sup>th</sup> CQM Annual Meeting Photo**

12:20 14:00 **Lunch**

**Chair: Mara Gonçalves**

14:00 14:25 [O-05] **Characterizing Emerging Psychoactives Substances: Analytical and Toximetabolomic Approaches**  
Telma Gomes, Paula Guedes de Pinho, Ivone Nunes & José S. Câmara

14:25 14:50 [O-06] **Fluorometalrodendrimers ruthenium based for cancer theranostics**  
Lydia dos Órfãos & João Rodrigues

14:50	15:15	[O-07] <b>Volatile metabolites of grape pomace as a renewable natural biosource: Industrial potentia</b> <u>Teresa Abreu</u> , José S. Câmara, Juan Teixeira & Rosa Perestrelo
15:15	15:30	[O-08] <b>Lauric, myristic and palmitic acid modified-G5 PAMAM dendrimers for hMSCs transfection</b> <u>Jéni Monroy</u> , Helena Tomás & Rita Castro
15:30	15:55	[O-09] <b>MALDI-TOF MS-based urinary peptidomics biosignature of breast cancer as a powerful approach for diagnosis</b> <u>Patrícia Sousa</u> , José S. Câmara & Rosa Perestrelo
15:55	16:20	[O-10] <b>Biodegradable materials for cancer treatment made from dendritic-linear-dendritic building blocks: from nano to macrogels</b> <u>Fátima Mendes</u> , Natalia Sanz del Olmo, Jorge San Jacinto Garcia, Michael Malkoch & Helena Tomás

Coffee breaks are sponsored by:



## Friday, 04<sup>th</sup> of October of 2024

**Chair: Rita Castro**

09:30	10:00	[O-11] <b>Analytical methods for the determination of endocrine disrupting compounds in food in enviromental samples</b> <u>Ruth Rodriguez Ramos</u> , Bárbara Socas Rodriguez & Miguel Ángel Rodriguez Delgado
10:00	10:25	[O-12] <b>Carbon dots and dendrons as nanoplatform for anticancer applications</b> <u>Ivo Martins</u> & João Rodrigues
10:25	10:50	[O-13] <b>Turning Madeiran brewing industry's by-products into "buy-products"</b> <u>Gonçalo Nuno Martins</u> , Bruno Drumond, Regina Sousa, Mariana Vieira, Javier Gonzalez, Carina Jacinta Nóbrega Caires, Alexandra Lopes & Paula Castilho
10:50	11:15	[O-14] <b>Preparation of polymer-stabilized liposomes for the delivery of nitric oxide</b> <u>Gina Tavares</u> , Patrícia Alves, João Rodrigues & Pedro Simões
11:15	11:45	<b>Coffee-break</b>

**Chair: Rita Castro**

11:45	12:10	[O-15] <b>Chemical screening and nematicidal activity of essential oils against three economically important plant-parasitic nematodes</b> <u>Rui Ferreira</u> , Carla Maleita, Luís Fonseca, Ivânia Esteves & Paula Castilho
12:10	12:35	[O-16] <b>A spectroscopic antimicrobial activity protocol and an automatic titration setup to study PAMAM dendrimers behavior</b> <u>Duarte Fernandes</u> , Lydia dos Orfãos, Carla S. Alves, João Rodrigues & Pedro Pires
12:35	13:00	[O-17] <b>Molecular identification of yeast from Madeira Winery Region</b> <u>Mariangie Castillo</u> & José S. Câmara
13:00	13:30	<b>Closing Session</b>