NEWSLETTER

LAQV-REQUIMTE@Aveiro Newsletter n.13

LAQV-REQUIMTE UA is a hub of the Associated Laboratory for Green Chemistry (LAQV) of the Network of Chemistry and Technology (REQUIMTE) located in the Chemistry department of University of Aveiro (DQUA).

May 2025

Award Prize



Carina Caires from LAQV@UA won the award Fundação Amélia Mello, for best master's degree finalist in the Department of Chemistry (Master's Degree in Chemistry) with her thesis entitled "Visible-Light Photoredox-Catalyzed Giese Reaction of Quinic Acid", under the supervision of Prof. **Nuno Candeias**.

Press Highlights



Química, sustentabilidade e sociedade;
Água: remediação de um recurso essencial

Nuno M. M. Moura *

A remediação não deve ser vista como uma solução isolada, mas ser acompanhada por políticas públicas de prevenção, educação ambiental e uso racional dos recursos hídricos

Latest publication in the opinion section of the Diário de Aveiro newspaper, on the topic of Chemistry, Sustainability and Society refers to the research work of Researcher **Nuno Moura**, which focuses on "Água: remediação de um recurso essencial".

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PAST EVENTS



SUMOL COMPAL



On 20 May, LAQV@UA visited SUMOL COMPAL's new facilities in Almeirim, as part of the PRR Agendas. In addition to the visit to the facilities, there was a demonstration and tasting of several prototypes developed under the VIIAFOOD and Algae Vertical projects. LAQV@UA was represented at this meeting by researchers **Elisabete Coelho** and **Sónia Ferreira**, **PhD student Sara Gonçalves, and master's student Dámaris Maia**.

CAMPOTEC



On 6 May, researchers **Sónia Silva** and **Susana Cardoso** visited CampoTec facilities in Torres Vedras for the first meeting of the Campvalor's project- Integrated optimisation of industrial processes for waste recovery.

INOVFARMER.MED



Silvia Petronilho presented an oral communication at the Conference on Transforming the Agri-Food Supply Chain for a Sustainable Future, held in Egypt on 30 April 2025 in Alexandria (Egypt) entitled “Valuation of a green microalga (*Chlorella vulgaris*) as an ingredient in think pear snacks”.

SUMOL COMPAL



Since May 1st, **Silvia Petronilho** has been Managing Editor of the prestigious journal Carbohydrate Polymers (Impact Factor 10.7).

PAST EVENTS



CHEMISTRY+ OLYMPIAD



The final of the Chemistry+ Olympiad, one of the flagship initiatives of the Portuguese Chemical Society, took place on May 10, 2025, at the University of Aveiro. The event was coordinated by **Diana Pinto**, **Amparo Faustino** and **Carlos Monteiro**, from LAQV@UA with support from the university's Chemistry Students' Group. The winners were: 1st place – Martim Costa de Carvalho (Escola Secundária Alves Martins-Viseu); 2nd place – Leonardo Aires (Escola Secundária Dr. Mário Sacramento-Aveiro); 3rd place – Diogo Miguel Pereira Pires (Escola Secundária Emídio Garcia-Bragança).

FUNDING





BySweetTech- Development of sweet-tasting oligosaccharides with sugar-reducing potential in foods", funded by COMPETE2030-FEDER-00840600, MPr-2023-12.
Coordinated by **Pedro Fernandes,** the BySweetTech project pioneers a new approach to sugar reduction in foods by converting plant cell wall polysaccharides into sweet-tasting oligosaccharides. Bringing together researchers from LAQV-REQUIMTE at the University of Aveiro and Colab4Food, the project aims to deliver scalable, health-promoting solutions that align with consumer demand for healthier, low-sugar food options.



eDyeCell- Phthalocyanine sensitizers based on push–pull systems for perovskite solar cells funded by FCT 3-12 - SACCCT - Projects of IC&DT, Project nº 16806. Project is coordinated by **Leandro Lourenço**. Participant institutions: University of Madrid (Spain) and University of Erlangen (Germany).



BioCosMAp- Estratégia de valorização de produtos apícolas do Parque Natural de Montesinho através do desenvolvimento de cosméticos biológicos". COMPETE2030-FEDER-02162400 – Projeto nº 20947, Aviso n.º MPr-2023-7 - I&D Empresarial - Operações em Copromoção. Project leader: FOURMAG LDA; Coordinated at UA by **Susana M Cardoso**.

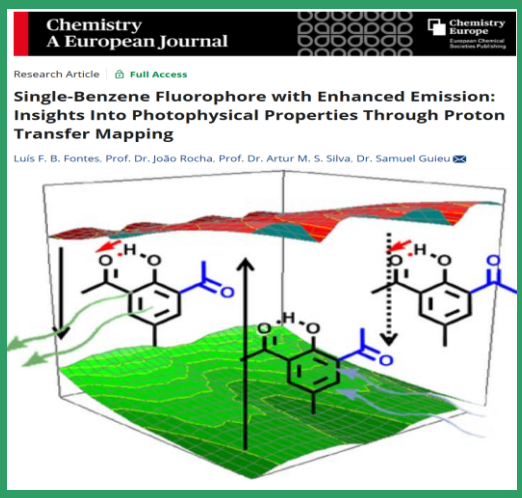
WOSAF- From Waste to Opportunity: Sustainable Approaches to Food Waste. ECIU_Seed programme 2 – Project leader: Kaunas University of Technology (KTU); Coordinated at UA by **Susana M Cardoso**.



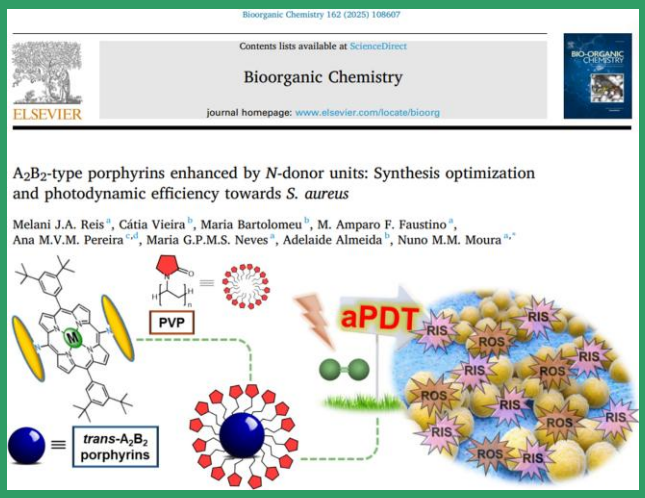
The University of Aveiro has joined the European project entitled "Next Generation 3D Tissue Models: Bio-Hybrid Hierarchical Organoid-Synthetic Tissues (**Bio-HhOST**) Comprised of Live and Artificial Cells. Bio-HhOST aims to develop bio-hybrid materials composed of living and artificial cells in dynamic communication, enabling artificial cells to influence the proliferation, differentiation, and function of living cells. The UA team—comprise **Iola Duarte** (PI), **Pedro Domingues** from LAQV@UA, and Rosário Domingues

PUBLICATIONS

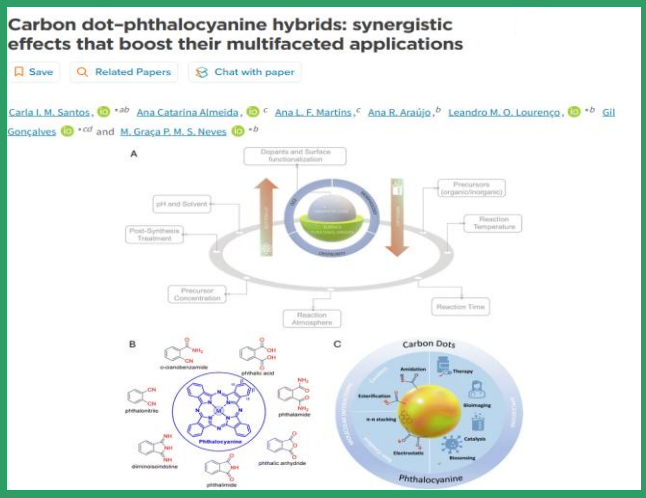
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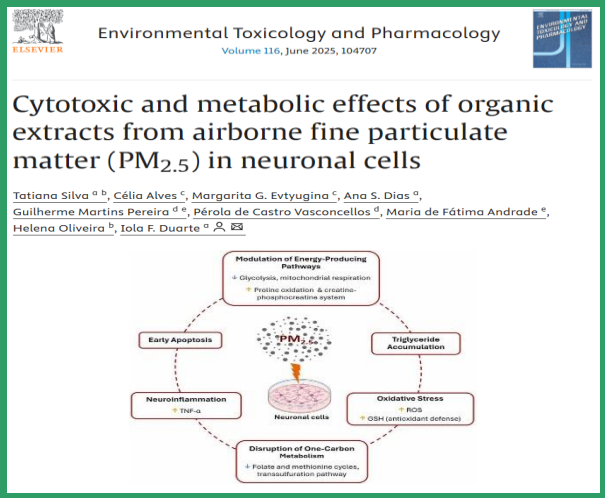
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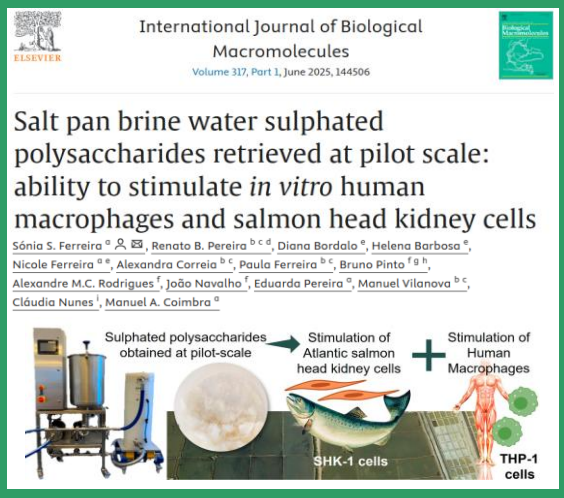
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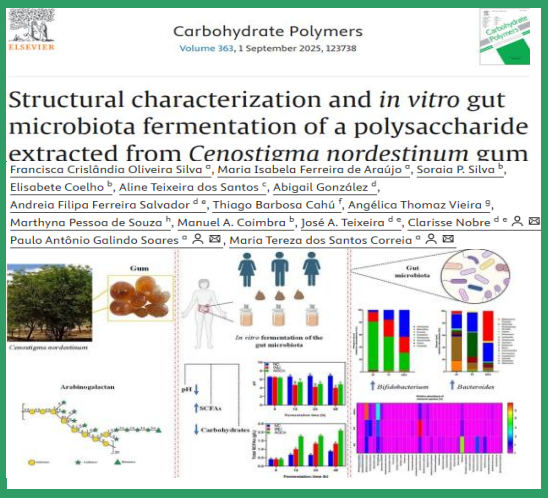
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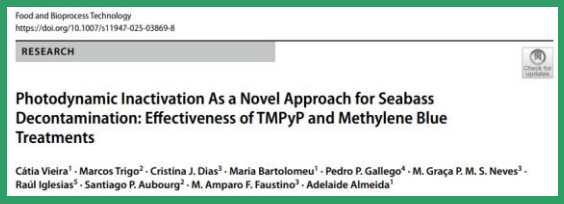
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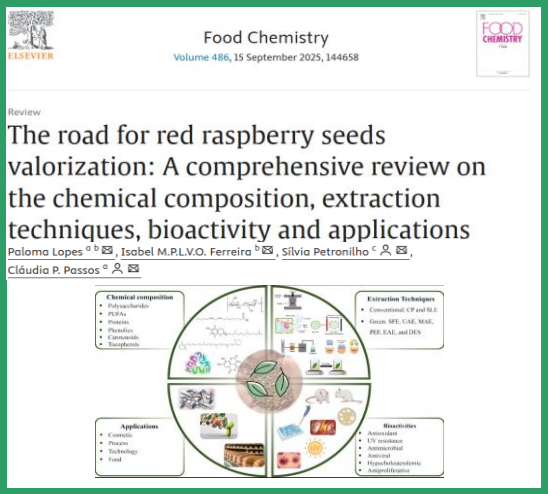
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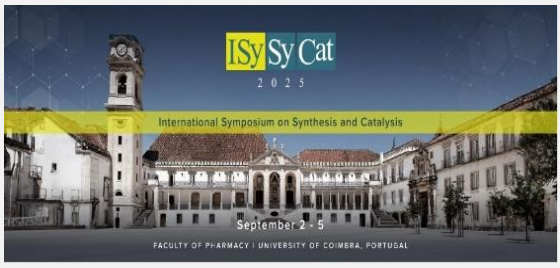
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UPCOMING EVENTS





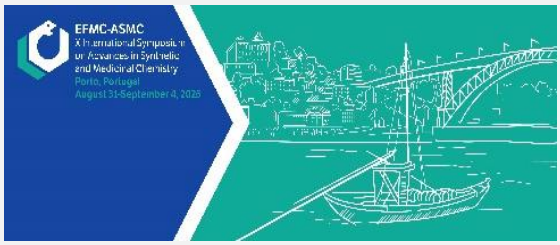
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