



CA22161 - Future of plant-based food: Bridging the gap of new proteins and FLAVOURsome (FLAVOURsome)

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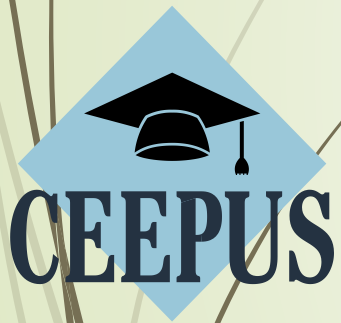
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COST Association

- **COST (European Cooperation in Science and Technology) is a funding organisation for research and innovation networks.**
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- **CSO Approval date** - 12/05/2023
- **Start date** - 24/10/2023
- **End date** - 23/10/2027





MC TEAM

Action Chair Dr. **Susana Soares**, Portugal

Faculty of Science University of Porto

PhD in Chemistry at University of Porto in 2012, working with Prof. Victor de Freitas.

- Number of COST members represented: **28**
- Number of ITC countries: **16**

Objectives

- Find the future for **plant-based food alternative proteins** while aligning natural, sustainable and flavoursome by establishing a global, cohesive and **multidisciplinary network**;
- SPECIFIC KEY POINTS in the research of taste, aroma, and trigeminal sensations that need of significant scientific or technological advancement
- Development of high-quality and high-added-value European food products built on plant-based products;
- Development of computational tools in flavour research, their use and dissemination among the experimental colleagues and the industrial partners;
- Training programs linking specific target groups, namely under- and graduate students, YRIs, and professionals in (new) emerging technologies, in different facilities and different areas.



Working groups within the action

- 1. Food matrices physico-chemical profiling: chemical structure, sensory properties and machine learning
- 2. Translation multimodal oral processing: from chemosensory to somatosensory sensations
- 3. Food and oral rheology and tribology inputs to flavour properties
- 4. Development of models toward implementation in food chain-production
- 5. Dissemination and engaging society and consumers



Working group application

- <https://e-services.cost.eu/action/CA22161/working-groups/applications>



THANK YOU FOR YOUR ATTENTION!