



## Call for Incentive Research Collaboration 2025 Laureate

### Project BLOOM-DIGEST

Project title: Assessing Intestinal Health by Understanding the  
Chemical and Microbiome Impact of Edible Flowers

**AURORA**



Co-funded by  
the European Union



## PROJECT IDENTIFICATION

**Project title:**

Assessing Intestinal Health by Understanding the Chemical and Microbiome Impact of Edible Flowers

**Project acronym:** BLOOM-DIGEST

## COORDINATOR



**Principal researcher:**

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**University:**

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## PARTNERS

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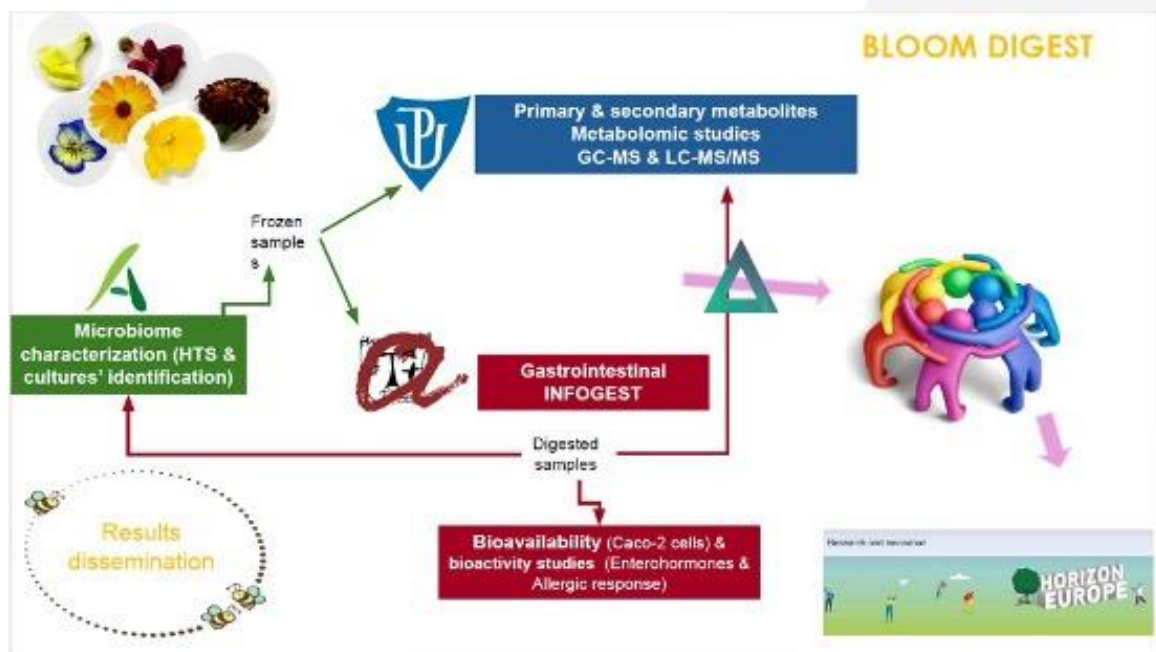
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## OBJECTIVE

BLOOM-DIGEST builds an interdisciplinary Aurora research network that combines microbiology, chemistry, nutrition and food safety to assess edible flowers. The project will profile their microbiome, characterize bioactive compounds and contaminants, and evaluate digestion, bioavailability and gut health effects. It aims to generate evidence-based recommendations for safe consumption, support sustainable plant-based diets, and prepare future large-scale EU research initiatives.

## ILLUSTRATION OF THE PROJECT




## SOCIAL IMPACTS AND TARGETED SDG

BLOOM-DIGEST will provide scientific evidence to improve the safe consumption of edible flowers, identify microbiological and chemical risks, and support food safety regulations and transparent consumer guidance. By analysing nutrients, bioactive compounds, digestion and gut effects, the project promotes healthier and more sustainable plant-based diets. Its dissemination activities, public engagement and early-career researcher training will strengthen food literacy, interdisciplinary skills and European research collaboration. Targeted SDGs: SDG 3 (Good Health and Well-being), SDG 12 (Responsible Consumption and Production), and SDG 17 (Partnerships for the Goals).

## **AURORA ADDED VALUE**

By connecting URV, UNINA and UPOL, BLOOM-DIGEST strengthens Aurora's research synergies across microbiology, analytical chemistry and gastrointestinal bioactivity. The project builds interdisciplinary capacity, trains students through hands-on international collaboration, and creates a solid basis for future Horizon Europe and related European proposals. It also contributes to Aurora's priorities in health, sustainability, academic excellence and societal transformation.

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