

PLAN P

SPECTRAL TOOLS & DIGITALISATION

PLAN P – sPectraL tools and digitalization for the development of sustAinable structured food with plaNt Proteins

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The PLAN P project addresses new tools to handle the rapid shift in consumer preferences towards sustainable plant-based foods. It pioneers a smart system combining non-invasive spectroscopic analysis and a multi-modal machine learning approach for online quality control during production. This innovative strategy aims to expedite the plant food transition, contributing to economic, health and environmental progress.

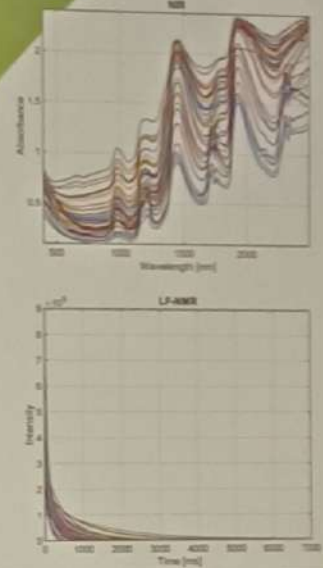
Screening of plant ingredients available on the market and cluster analysis of techno-functional properties



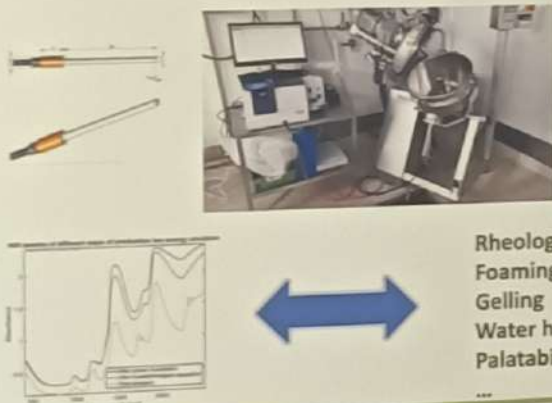
Design of experiment and production of emulsion and foams using new plant ingredients



Spectroscopic characterization of the new ingredients and products



Online spectroscopic monitoring and functional control of the plant food production



Rheology
Foaming
Gelling
Water holding
Palatability

Recipes and texture acceptability using spectral databases and artificial intelligence



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Spectroscopy and chemometrics

Contact us



We are open for collaboration