


PHYTOCHEMICAL AND GENETIC MAPPING OF COFFEE PLANT LEAVES FOR THE IDENTIFICATION OF MOLECULES WITH NUTRACEUTICAL INTEREST

DAVIDE ROVELLI - davide.rovelli@unipr.it

Department of Food and Drug, University of Parma, Parco Area delle Scienze 48/A (Campus Scienze e Tecnologie), 43124 Parma, Italy
Tutor: Prof. Chiara Dall'Asta

BACKGROUND

WHAT DO WE KNOW ABOUT COFFEE LEAVES?

 Rich in **bioactive compounds** and **abundant** even in periods far from the ripening period.

TRADITIONAL FOOD

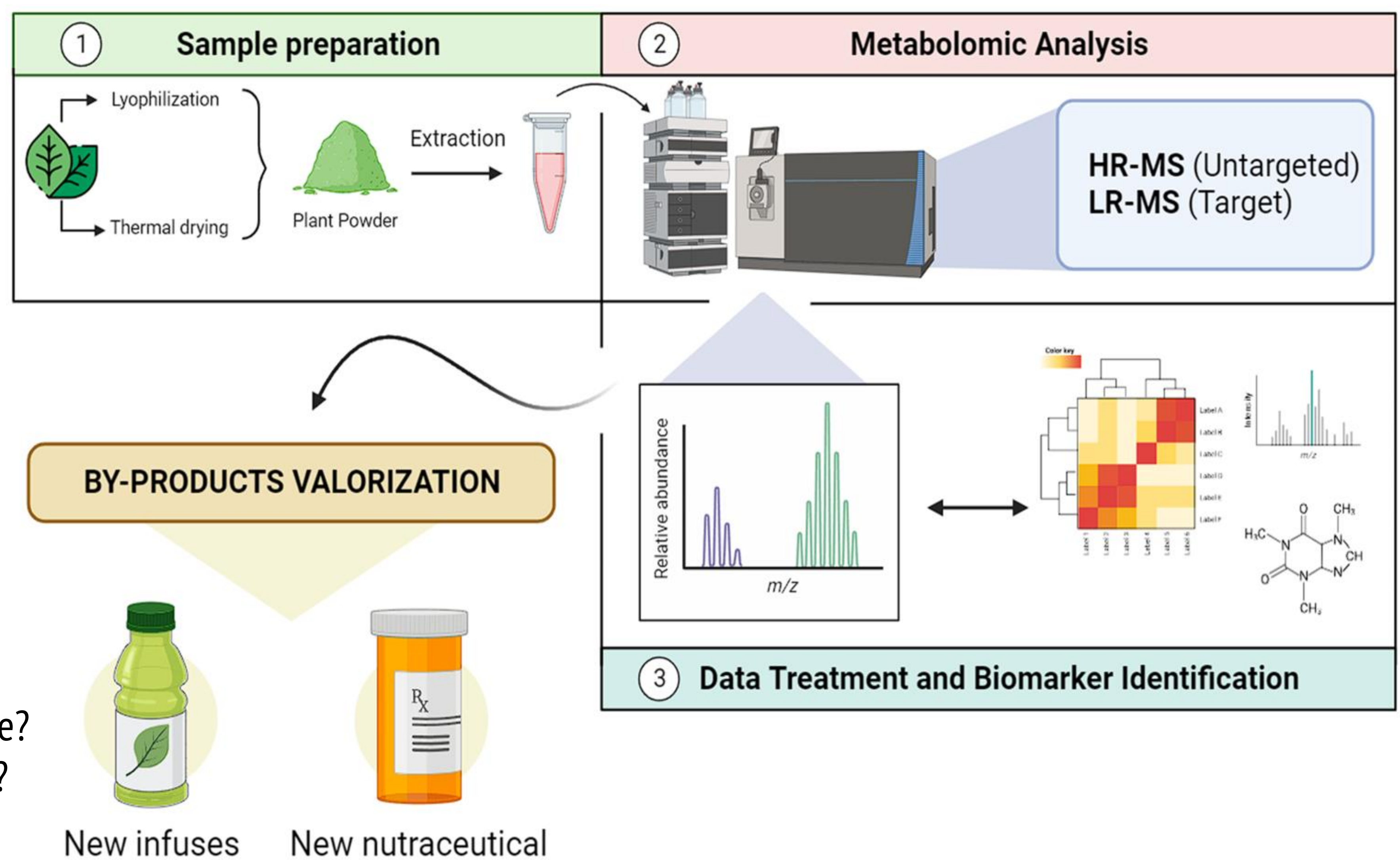
- **Traditional food** in producing countries since 19th century
- **Novel Food** in EU

LACK OF KNOWLEDGE

- How can we exploit/valorize them?
- Which is the impact of variety/origin on chemical profile?
- Are there compounds that have not yet been identified?
- Is there a nutraceutical potential?

AIM OF THE PROJECT

This PhD thesis research project is aimed at understanding the nutraceutical potential of coffee leaves and their phytochemical characterization through **omics**. A strong focus of actual applicability to the industry will be followed.



OBJECTIVES AND MILESTONES

Activity	2024		2025												2026										
	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	
A1) Primary and secondary coffee leaves mapping																									
A2) Target quantification of compounds																									
A3) Investigation of the biological potential																									
A4) Sensory analysis																									
A5) Thesis and Paper Preparation																									

ACKNOWLEDGMENTS

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