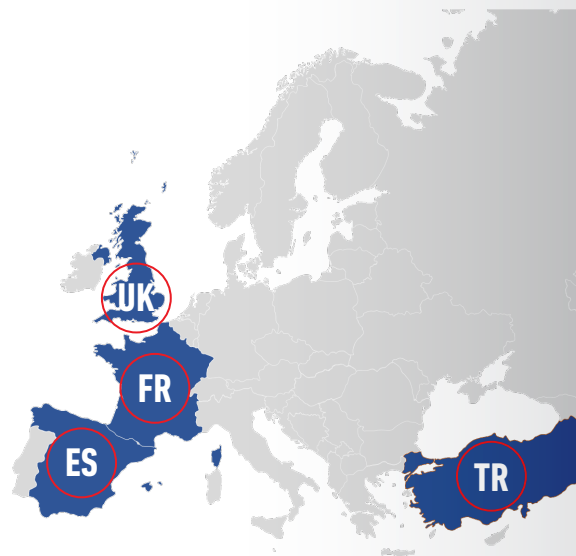


► KEY SCIENTIFIC ASPECTS

- Molecular identification of dietary polyphenols
 - Extraction techniques of polyphenols
 - Identification of polyphenols with mass spectroscopy
 - Polyphenols metabolites and catabolites
 - Nutritional metabolomics
- Biological activity evaluation of dietary polyphenols
 - in vitro (cell cultures) and in vivo (animal models and clinical studies)
 - Bioavailability and metabolism
 - Polyphenol metabolites and catabolites
 - Phytochemicals and their metabolites on human gene expression and microbiota
- Cardiovascular protective effects of dietary polyphenols
 - Clinical trial design
 - Bioefficacy of polyphenols
 - True exposure of individuals to polyphenols
 - Cell mechanistic studies to human trials
 - "omics" (metabolomics, transcriptomics, proteomics) technologies

► PROJECT PARTNERS



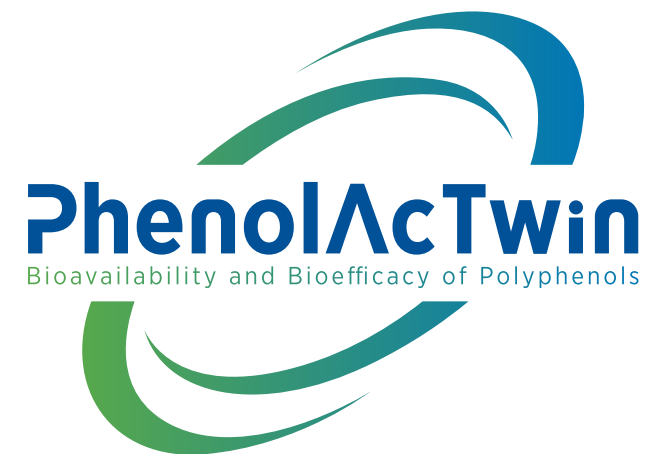
- **TUBITAK** - Türkiye Bilimsel Ve Teknolojik Araştırma Kurumu, TR
- **CSIC** - Agencia Estatal Consejo Superior de Investigaciones Científicas, ES
- **QIB** - Quadram Institute Bioscience, UK
- **INRAE** - Institut National De Recherche Pour L'agriculture, L'alimentation Et L'environnement, FR



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**Enhancing Research and Innovation Capacity of
TUBITAK MRC Food Institute on Dietary
Polyphenols and Bioavailability/Bioefficacy**

(Grant Agreement no: 951994)



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► MANAGEMENT STRUCTURE



► OBJECTIVES

- 1 To support research profile of human resources, especially the young researchers
- 2 To enhance the research and innovation capacity of TUBITAK
- 3 To improve networking of TUBITAK with leading partners/other related stakeholders
- 4 To improve capability of TUBITAK for future collaborations
- 5 To spread the impact of the Twinning Project
- 6 To improve proposal preparation and project management/administration skills of TUBITAK

► PROJECT ACTIVITIES

-  Technical visits
-  Summer schools
-  Workshops
-  Open days
-  Info days
-  Seminars
-  Success story meetings
-  Conference attendance
-  Organizing 15th International Conference and Exhibition on Nutraceuticals and Functional Foods