



Horizon Europe Brokerage Event
Cluster 6 Calls 2025

Warsaw , 27 May 2025

Presentation title: Development of Locally Sourced Ingredients for Ready - to-Use Supplementary and Therapeutic Foods (RUSF/RUTF)

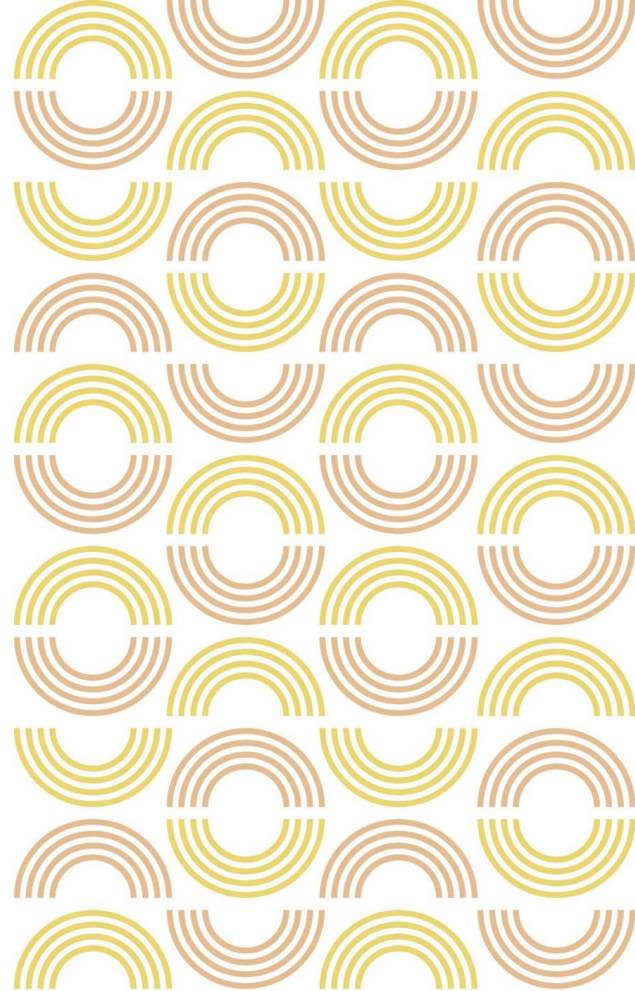
Name of the speaker : Mustafa Ersoz

Institution/ organisation : Selcuk University



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Topic(s) addressed :

- HORIZON-CL6-2025-02-FARM2FORK-17: Nutrition in emergency situations - Ready-to-use Supplementary Food (RUSF) and Ready-to-use Therapeutic Food (RUTF)

Other topics of interest:

- **HORIZON-CL6-2025-01-CIRCBIO-11:** Demonstration of reduced energy use and optimised flexible energy supply for industrial bio-based systems
- **HORIZON-CL6-2025-01-ZEROPOLLUTION-07:** Reducing pollution from the food and drink industries
- **HORIZON-MSCA-2025-DN-01-01**
- **HORIZON-MSCA-2025-SE-01-01**

Current Projects

- ✓ **HORIZON-WIDERA-2021-ACCESS-03-01**, **Regeneu-101079123** “Consolidating the Expertise Of Necmettin Erbakan University Towards the Development Of Biofibers For Wound Healing and Tissue Regeneration “
- ✓ **HORIZON-MSCA-2021-SE-01**, —**Bio-Acouis 01086325** “Bio-based Solutions for Improved Acoustic Applications.
- ✓ **COST CA22154**- DAEMON, Data-driven Applications towards the Engineering of functional Materials: an Open Network
- ✓ **COST CA22131**- LUCAS, Supramolecular LUMinescent Chemosensors for Environmental Security
- ✓ **TUBITAK-2247-National Outstanding Researchers Program**- New generation of membranes with advanced efficiencies by using of nanomaterials

Completed Projects

- ✓ **H2020-Twinning-2019 EngSurf-Twin-952289** “Reinforcing the Scientific Excellence of Selcuk University in Engineered Surfaces and Films for Emerging Technologies ”
- ✓ **H2020-SPIRE, 2020**, **Waste2Fresh** “Smart Innovative system for recycling wastewater and creating closed loops in textile manufacturing Industrial processes
- ✓ **H2020-MSCA-RISE-2017-778098 NanoFEED** “Nanostructured Carriers for Improved Cattle Feed”
- ✓ **FP7-NMP**, Large Area Molecularly Assembled Nanopattern for Devices (LAMAND)
- ✓ **FP7-INFRA-2012**, The European Solar Infrastructure for Concentrated Solar Power (EU-SOLARIS)
- ✓ **FP7-SME-2012**-"Enhanced chitin-based biosorbents for drinking water purification “ChitoClean”
- ✓ **FP7-SME-2013** “Ingredients for Food and Beverage industry from a lignocellulosic source (LIGNOFOOD)
- ✓ **COST (CM1101, MP1106, D43, 637 D36)** **ERA-NET**, Bilateral and National projects

To identify and integrate locally available plant-based and indigenous nutrient sources to enhance food security, promote climate-smart agriculture, and support sustainable, locally driven solutions in Africa.

Key activities

Identification and Validation of Local Ingredients (depends on the partners participated from African countries, possible 3 African partners generally exposed to climate change-most affected)

- **Proteins:** Locally sourced proteins.
- **Fats:** Locally sourced oils
- **Micronutrients:** Fortified indigenous crops
- **Codex Compliance:** Conduct nutritional and safety assessments to meet Codex CXG 95-2022 standards.

Integration of Climate-Resilient Crops and Circular Economy Approaches

- Incorporation of drought-resistant and climate-smart crops (identified sorghum or millet (as international year on 2023 by United Nations) and others which will be identified with regard to the partners from African countries) into RUSF/RUTF formulations.
- Development of zero-waste approaches using food industry by-products (will be identified) as nutritious additives.

Main expertise offered / sought

Digital and Technological Innovations for Supply Chain Optimization

Blockchain-based traceability, AI-powered solutions or Mobile platforms

Diversification of Nutrition Approaches Beyond RUTF for Severe Malnutrition

- Research on alternative therapeutic nutrition approaches based on child health status and local conditions.
- Development of personalized, community-managed nutrition solutions using locally available foods.

Strengthening Local Production and Regulatory Compliance with Codex Standards

- Alignment of national regulatory frameworks with Codex CXG 95-2022 and WHO standards.
- Support for local SMEs and food industries in adopting Codex-compliant processing, and quality control.
- Training programs for producers and health professionals on GMP and HACCP.

Activities

- Assessment of Resources
- Research activities for formulation
- Pilot studies & Regulatory Approval
- Supply Chain Optimization & Market Readiness Level
- Community Engagement & Acceptability
- Scale-Up & Business activities
- Monitoring, Evaluation & Policy
- Alignment with Global Food Security and Sustainability Goals

No	Partner Name	Type	Country	Role in the Project
01	Selçuk University	RTO	Türkiye	Coordinator
02	ARTES Innovation for Sustainable Growth		Italy	
03	Cumra Ar-Ge	LRG	Türkiye	
04				
05				

Need partners

University, Industry, SMEs

Not: Already contacted with Potential Partners from Finland, Belgium, Italy and Netherlands

Contact details

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