



Horizon Europe Brokerage Event
Cluster 6 Calls 2024

Brussels , 26 September 2023

Design and Engineering of nano / microencapsulated systems for innovative applications in food and textiles

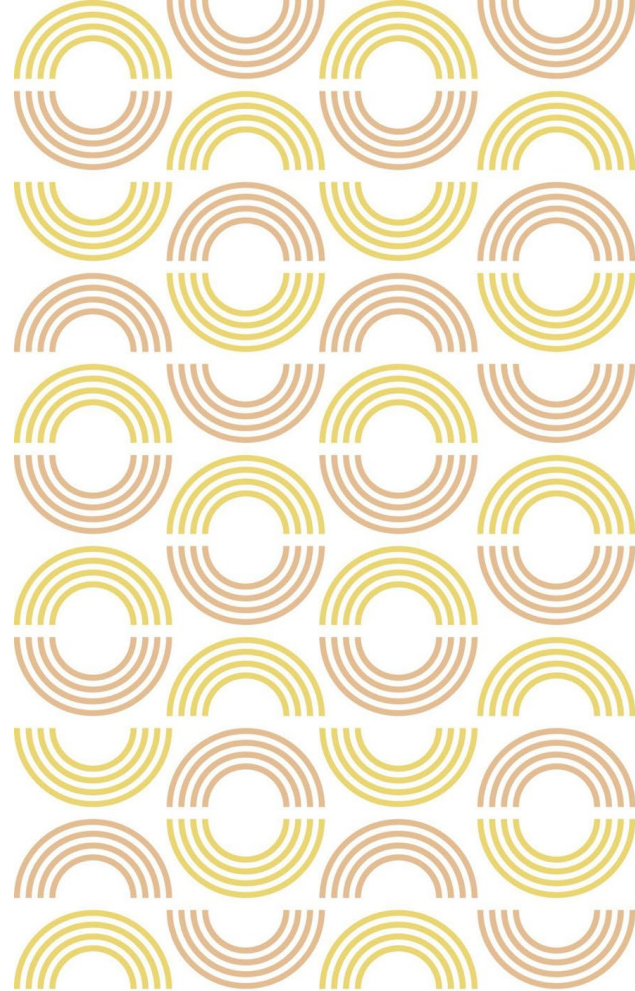
Dr Georgios Kylafis

ReCover Ltd.



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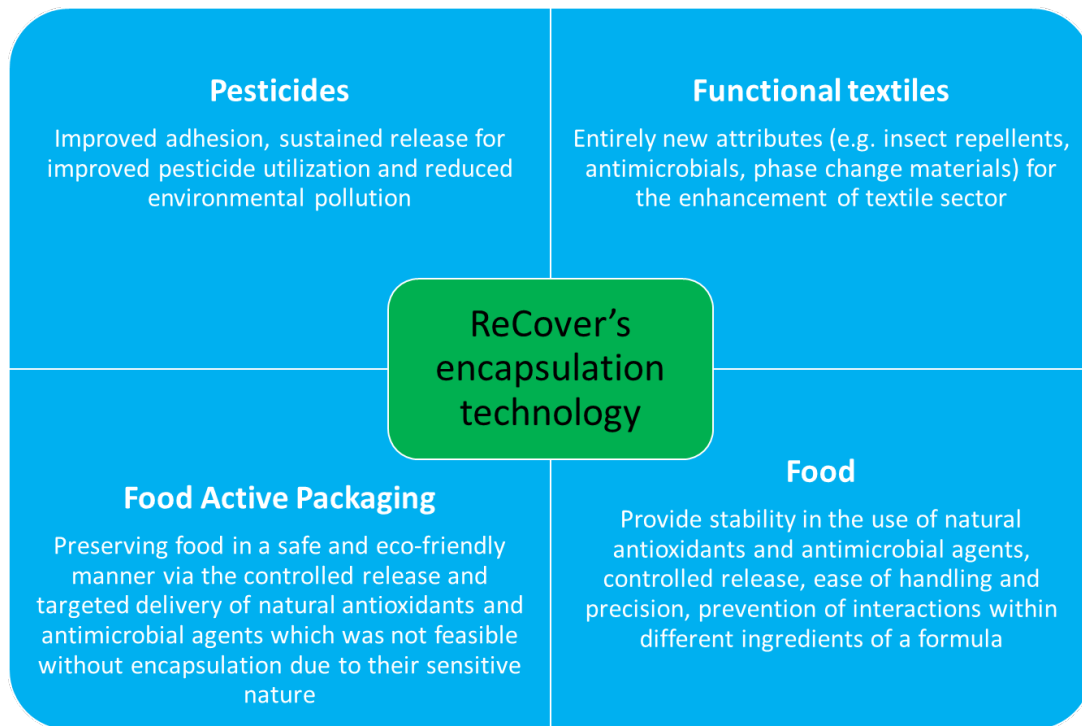


Nano/microencapsulation

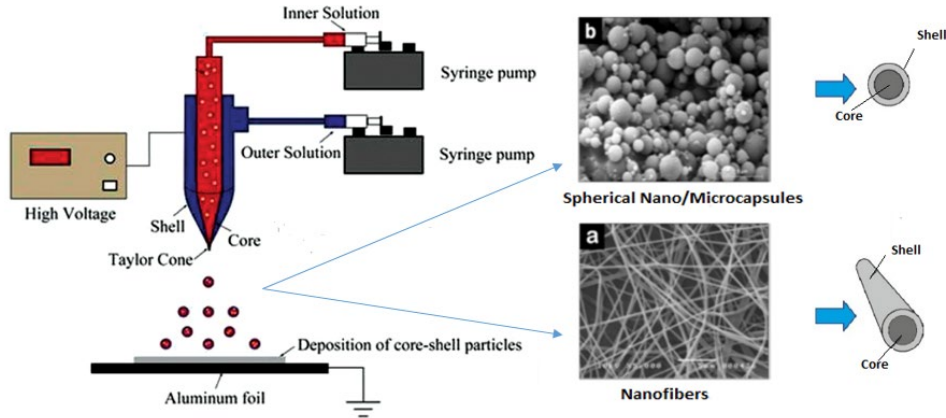
of Active Compounds or Bioactive ingredients

CALL	TOPIC(S)
FARM2FORK (Pesticides)	HORIZON-CL6-2023-FARM2FORK-01-3 HORIZON-CL6-2023-FARM2FORK-01-4 HORIZON-CL6-2023-FARM2FORK-01-7 HORIZON-CL6-2024-FARM2FORK-01-8 HORIZON-CL6-2024-FARM2FORK-02-4-two-stage HORIZON-CL6-2023-FARM2FORK-01-9
CIRCBIO (Bio-based materials, Textiles)	HORIZON-CL6-2023-CircBio-01-8 HORIZON-CL6-2023-CircBio-02-2-two-stage
ZEROPOLLUTION (Water quality, Biosensors, Biodegradable and Active Packaging, Functional Food)	HORIZON-CL6-2023-ZEROPOLLUTION-01-1 HORIZON-CL6-2023-ZEROPOLLUTION-01-6 HORIZON-CL6-2023-ZEROPOLLUTION-01-7 HORIZON-CL6-2023-ZEROPOLLUTION-02-2-two-stage HORIZON-CL6-2024-ZEROPOLLUTION-02-1-two-stage

Mapping Innovation



Electrohydrodynamic encapsulation



Atomisation (EHDA)-based

Conventional Encapsulation Techniques (Spray drying)

Novel EHDA Encapsulation

Simple and reproducible one-step process

Room temperature process

Variety of food grade polymers for shell materials

Reduced size accompanied by Homogeneity

High Throughput

Simple and reproducible process

- Dr Georgios Kyla fis, CEO of ReCover Ltd.
- **mail:** giorgosky@recover-particles.com ;
- We are a 2 year old SME that was established by a joint pre-seed funding from the Cyprus institute (CyI) and the Research and Innovation Foundation (RIF) of Cyprus;
- Our startup's headquarters are located in Cyprus, having active partnerships in the Netherlands and Greece.



**Dr Georgios
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Chief Technical Officer



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