

EU Brokerage Event

on Industrial KET* in Horizon Europe

*Key Enabling Technologies

10th November 2022 • Strasbourg

Conference &
Bilateral/B2B Meetings

Calls
2023- 2024

Project idea/ Field of expertise:

High precision manufacturing technologies for thin film coating by all-dry surface coating technologies

Organisation Name:

Selcuk University

Addressed topic(s):

HORIZON-CL4-2023-TWIN-TRANSITION-01-02: High-precision OR complex product manufacturing – potentially including the use of photonics (Made in Europe and Photonics Partnerships) (IA)

Selcuk University

Materials Technologies and Biotechnology units

- ❑ R&D
- ❑ Analysis&Testing
- ❑ Collaboration with Industry

Nanotechnology & Surface Engineering Laboratory



- Materials Science and technologies
- Membrane technology and applications
- Bio-based materials & biotechnology
- Energy
- Directed self assembly of nanostructures for CMOS Technologies

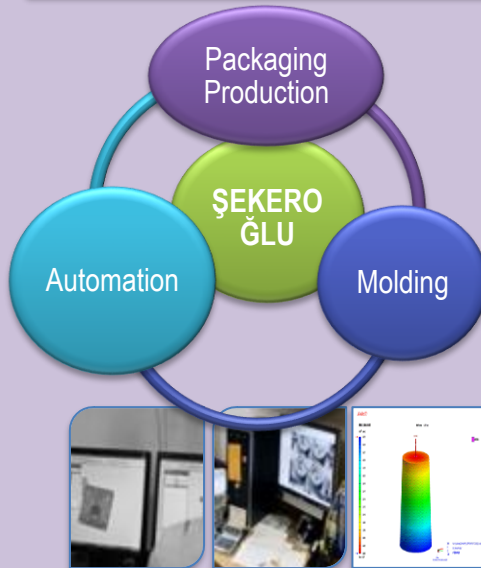
- Nanomaterials & Semiconductor Tech. (synthesis, patterning, functionalization, surface treat),
- CVD systems / Processing techniques (films, fibers, coatings, etc).
- Smart surfaces, interfaces chemistry
- Sensors developments

Track Records

- ✓ **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.
- ✓ **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, ERA-NET, Bilateral and National projects**

COLLABORATION with INDUSTRY

Chemical/Plastic (Bio-Plastic) Ind



<https://www.sekeroglu.com.tr/en/>

Burotime (Furniture industry)



<https://www.burotime.com/en/>

BioTechnology / Health

Natural Products R&D:
Natural Supplements
Turkey's **healthy living** brand
Nutritional Supplements
Vitamin/Minerals
FDA, EP, GMP Standards

<https://zadevital.com/>



Textile Industry

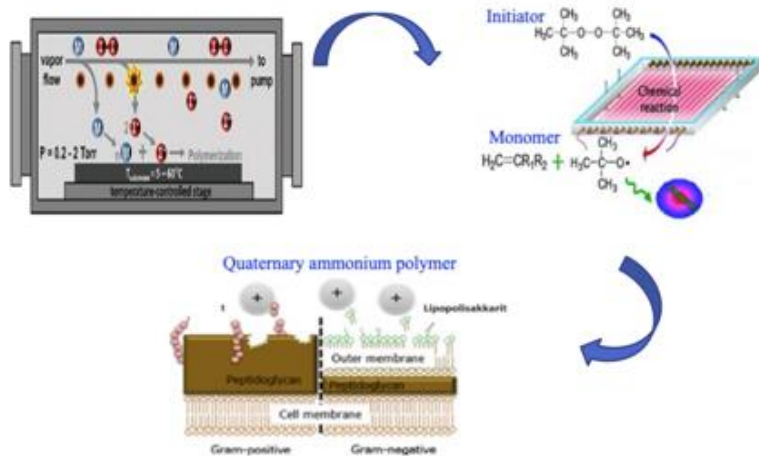
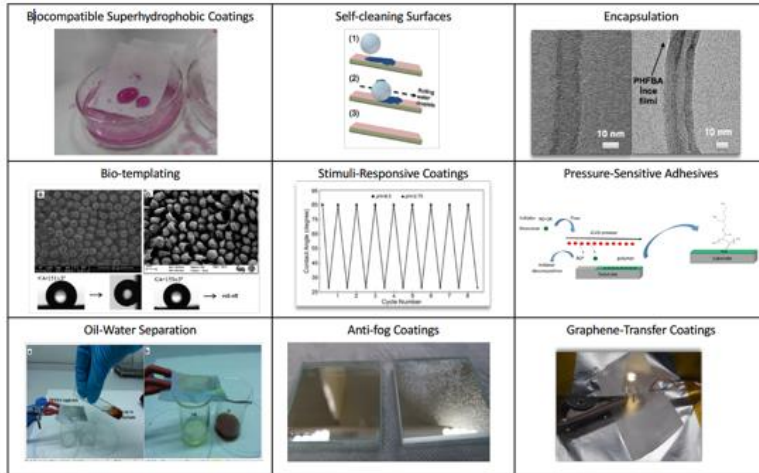


GAMATEKS
A logo consisting of a grid of black and white squares.

<https://gamateks.com.tr/>

Our project idea / expertise

Interesting Calls



- HORIZON-CL4-2023-TWIN-TRANSITION-01-02:** High-precision OR complex product manufacturing – potentially including the use of photonics (Made in Europe and Photonics Partnerships) (IA)
- HORIZON-CL4-2023-RESILIENCE-01-32:** Bioinspired and biomimetic materials for sustainable textiles (IA)
- HORIZON-CL4-2024-RESILIENCE-01-35:** Biodegradable polymers for sustainable packaging materials (IA)
- HORIZON-CL4-2023-DIGITAL-EMERGING-01-32:** Sustainable safe-by-design 2D materials technology (RIA)
- HORIZON-CL4-2024-DIGITAL-EMERGING-01-31:** Pilot line(s) for 2D materials based devices (RIA)

Contact details



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