



This project is co-financed by the
European Union and the Republic of Turkey
Bu proje Avrupa Birliđi ve Türkiye Cumhuriyeti tarafından
finansé edilmektedir

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- **AIMPLAS, Plastics Technology Centre, Valencia (Spain), is a private, non-profit Association.**
- + 700 associated companies. +195 highly skilled professionals and 30 years expertise
- AIMPLAS has **state-of-the-art 10,000 m² facilities, including thermoplastics & thermoset pilot plants, coatings, polymer/nanoparticles synthesis, clean rooms and testing laboratories and training areas.**
- AIMPLAS has participated in **>100 projects** in FP5, FP6, FP7, LIFE+, CIP-EcoInnov., SUDOE, H2020... **EU Programmes**, coordinating 40% of them.
- Global expertise in the whole plastics/materials value chain:



Description of your research interest

- AIMPLAS has a broad expertise in the fields of recycling, plastic blends, reactive extrusion, synthesis and processing of biopolymers and renewable source materials, special assisted processing technologies (microwaves, supercritical CO₂), gases capture and conversion systems, catalyzers, plastronics, materials for Additive Manufacturing, high performance coatings, polymer nanocomposites, functionalization of nanoparticles, multilayer structures and development of plastic products for a broad range of industrial sectors.

**STIBNITE**

Mat4Rail
a Project of the S2R JU

SPARTA

RECOTRANS

High performance composites & their recycling

**FLOIANT**

**BALIHT**

GEOCOND

**AZMUD**

Renewable energy & storage.

**LAURELIN**

**GRAMOFON**

CCS & CCU

**CARMOF**

Project Idea

CL5-2022-D3-01-02: Demonstration of innovative materials, supply cycles, recycling technologies to increase the overall circularity of wind energy technology and to reduce the primary use of critical raw materials. (**novelty technologies based on direct reuse, mechanical and chemical recycling of wind blades**).

CL5-2022-D3-01-06: Novel Agro-Photovoltaic systems (**flexible PV panels integrated in farm facilities**).

CL5-2022-D3-01-07: Demonstration of innovative rotor, blades and control systems for tidal energy devices (**high performance thermoplastic composites for tidal blades**).

CL5-2022-D3-01-15: Decarbonising industry with CCUS (**CO₂ to chemicals and fuels**).

CL5-2022-D3-03-05: Novel Thin Film (TF) technologies targeting high efficiencies (**high barrier films and coatings to protect thin film cells**).

CL5-2022-D4-01-01: Demand response in energy-efficient residential buildings (**technologies based on Joule effect for heating with low energy consumption**)

CL5-2022-D5-01-02: Innovative energy storage systems on-board vessels (ZEWTPartnership) (**integration of large storage systems**).

CL5-2022-D5-01-04: Transformation of the existing fleet towards greener operations through retrofitting (ZEWTPartnership) (**Retrofit innovative hydrodynamic improvements (hull, hull management, appendages)**).



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