Search for a Spanish Partner for a Bilateral R&D Project

Organization	
Date of Request:	24-10-2026
Company name:	Damietta University
Contact person and title/ designation:	Prof. Dr. Khaled Abd El_Fattah Said Ahmed
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SECTION 1: Entity launching the partner search *(Please give brief / to the point explanations. For more explanation on any point below, you may add a short paragraph as an annexure, with this document.)*	
Sector	**Higher Education, Scientific Research, and Advanced Materials & Furniture Technology** (Chemistry & Nanotechnology & Interior design Furniture & Applied Arts)
Entity mission or core functions	Conducting cutting-edge scientific research and developing **sustainable, eco-friendly material solutions for the furniture and construction sectors**. Core research functions focus on green nanoparticle synthesis (e.g., SeNPs, AgNPs, CuNPs), solid-state Fabrics, Leather, wood, and agriculture waste valorization, and wood impregnation to enhance material durability, color aesthetics, and broad-spectrum antimicrobial resistance
Date of establishment	24-10-2026
Ownership (if public and traded, add stock exchange and ticker symbol)	Damietta University, Egypt
Total number of employees	Team members (10)
Other essential qualifications (e.g.: ownership, track records etc.)	**Proven research track record** with high-impact publications (including *Scientific Reports* - Nature Portfolio); specialized research facilities such as Prof. Dr. Tarek Abou Elmaaty laboratory or nanotechnology and supercritical fluids- Damietta University, and The Center for Excellence in Research of Advanced Agricultural Sciences (CERAAS); and full capabilities in green nanoparticle synthesis,

	structural characterization (TEM, SEM, EDX, XRD, Raman), and microbiological testing
If you have a list of companies with whom you are in contact or interested in contacting, please provide contact details	Spanish industrial companies (SMEs or mid-caps) operating in **wood processing, particleboard/engineered wood manufacturing, furniture components, or eco-friendly wood preservatives and coatings**.
If you are interested in collaboration: please specify details and other important information you want to share with a potential company	Bilateral R&D collaboration under the **Egyptian-Spanish Innovation Programme (ESIP / STDF & CDTI framework)** aiming to scale up lab-proven green nanotechnology wood treatments to pilot and industrial production lines.
Interested areas of collaboration	**Strategic manufacturing industries (wood and furniture)**, advanced construction materials, wood waste valorization (sawdust biocomposites), and eco-friendly antimicrobial surface treatments
Specific R&D contribution you are seeking/offering	**Offering:** Patent-ready green synthesis techniques (solvent-free solid-state and liquid routes), comprehensive characterization, laboratory impregnation protocols, cytotoxicity screening, and rigorous antimicrobial/antifungal testing. **Seeking:** Industrial partner capabilities for scaling up production lines, prototype validation in commercial particleboard/furniture manufacturing, and market-oriented commercialization

Signature
Name: Dr. Nancy Talaat
Date: 25.Oct.2026

