

SUSTAINABLE MATERIALS, PROCESSES AND SYSTEMS FOR ENERGY TRANSITION

MUR DM 118 - Protection against exposure to nanomaterials

Funded By	Università degli Studi dell'Aquila [P.iva/CF:01021630668] MINISTERO DELL'UNIVERSITA' E DELLA RICERCA [P.iva/CF:97429780584]
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Context of the research activity	<p>The research project aims to examine the effects of nanomaterials on environmental sustainability. In the period abroad, the doctoral candidate will conduct advanced experiments at Forschungszentrum Jülich (Germany) to assess the impact of nanomaterials on the environment. The project will employ cutting-edge techniques like High-Resolution Electron Energy Loss Spectroscopy (HREELS) for detailed nanomaterial characterization and impact analysis.</p> <p>Progetto finanziato nell'ambito del PNRR – DM 118/2023 - E14D23001840006</p>
Objectives	<p>Progetto finanziato nell'ambito del PNRR – DM 118/2023</p> <p>Scientific Responsible: Antonio Politano, University of L'Aquila, antonio.politano@univaq.it</p> <p>Main seat to carry out research: University of L'Aquila, Department of Physical and Chemical Sciences, L'Aquila</p>
Skills and competencies for the development of the activity	<p>The ideal candidate should possess a strong background in Physics, preferably with a Master's degree in Physics. Proficiency in surface science techniques is crucial for analyzing the surface properties of solid-state materials. Knowledge and experience in working with two-dimensional materials and their electronic properties would be advantageous. Additionally, expertise in experimental techniques in the field of condensed matter physics and data analysis is highly desirable.</p>