

CIVIL AND ENVIRONMENTAL ENGINEERING

PNRR - Micro e Nanoremediation

Funded By	MINISTERO DELL'UNIVERSITA' E DELLA RICERCA [P.iva/CF:97429780584] Politecnico di TORINO [P.iva/CF:00518460019]
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Context of the research activity	<p>The aim of the study is to implement and broaden the applicability of nanoremediation for an effective and sustainable reclamation of contaminated sites and aquifers. Thanks to their reduced size, their peculiar properties and their high reactivity, engineered nanomaterials can be injected in the subsurface, close to the source of contamination, to generate reactive zones for the in-situ treatment of a wide range of toxic and carcinogenic pollutants, such as chlorinated solvents, heavy metals, pesticides, and emerging contaminants. The advantages of nanoremediation include the reduction of remediation costs and time of site restoration.</p> <p>Progetto finanziato nell'ambito del PNRR - PNRR M4C2, Investimento 1.3 - Avviso n. 341 del 15/03/2022 - PE0000005 Multi risk science for resilient communities under a changing climate (RETURN) - CUP E13C22001860001</p>
Objectives	The grant will be funded in the framework of the PNR-Return project, spoke VS4.
Skills and competencies for the development of the activity	Sanitary Engineering, Groundwater Engineering. Groundwater remediation