

the activity







CHEMICAL ENGINEERING

MUR DM 117/Sedamyl - Biomethane production

Funded By	SEDAMYL SPA [P.iva/CF:02016210045] MINISTERO DELL'UNIVERSITA' E DELLA RICERCA [P.iva/CF:97429780584] Politecnico di TORINO [P.iva/CF:00518460019]
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Context of the	Sustainable mobility and circular economy.
research activity	Progetto finanziato nell'ambito del PNRR - DM 117/2023 - CUP E14D23001980004
Objectives	Transformation of common wheat into starch, gluten, glucose syrups and edible alcohol, evaluating the possibility of treating the by-product of alcoholic distillation (cereal vinasse, 50 m3/h) in an anaerobic fermenter for the production of biomethane for self-consumption (cogeneration with CHP turbogas) and supply of the company tanker fleet.
Skills and competencies for the development of	The PhD candidate should possess a combination of technical, research, and interdisciplinary skills to effectively contribute to the project's success. The PhD candidate for a project in agro-food waste valorization needs competencies in waste characterization, process optimization, interdisciplinary collaboration, sustainability awareness, data analysis, and

and environmental impact considerations.

effective communication. These skills span chemistry, biology, engineering,