



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

## Research Projects – SDG12

(33P and 2C)

Funding Source	Program	Year	UNIVAQ role	Title	Website /Contract Number	UNIVAQ Coordinator
Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<i>H2ICE: development of a hydrogen fueled hybrid powertrain for urban buses</i>	PRIN PE8_5	CIPOLLONE ROBERTO
Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<i>Sustainable Management strategies of liquid waste for transition to circular economy through hydrodynamic cavitation technology</i>	PRIN PE8_2	INNOCENZI VALENTINA
Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<i>Protecting the Environment: Advances in Circular Economy (PEACE)</i>	PRIN SH1_11	GASTALDI MASSIMO
Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<i>Enhanced Energy-Saving Powertrains for Freight E-Transportation</i>	PRIN PE7_2	BUCCELLA CONCETTINA
Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<i>"THE-METHER" – THErmometric Method Enhancement for building wall THERmal Resistance evaluation</i>	PRIN PE8_3	AMBROSINI DARIO
Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<i>Multi-phase fault tolerant MW range generation systems for hybrid-electric aircrafts</i>	PRIN PE7_2	TURSINI MARCO
Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<i>Buildings and Circular Economy. Steel from production to post-production. Law and responsibility issues</i>	PRIN PE8_3	MORGANTI RENATO TEOFILO GIUSEPPE
Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<i>Witching from petro- to bio-based chemistry: deoxydehydration reaction as versatile tool for the production of olefins from natural polyols</i>	PRIN PE4_10	CRUCIANELLI MARCELLO
Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<i>Recycling of ferromagnets WEEE containing rare earths: transforming unproductive waste to high added value catalysts.</i>	PRIN PE8_11	VEGLIÒ FRANCESCO



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Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<i>Effect of Heat-not-burn tobacco (IQOS) versus Electronic and Tobacco cigarettes on the oral health: a multidisciplinary approach for a potential prevention strategy</i>	PRIN LS3_3	DELLE MONACHE SIMONA
Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<b>HUMAN</b> = HUMANs in Nature. New Insights into Late Ancient Latin Texts in light of an Ecocritical Approach	PRIN SH5_1	FILOSINI STEFANIA
Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<i>Innovative salivary analytical device based on bio-inspired sensors for prevention and saliva-based personalized individual management of metabolic systemic diseases</i>	PRIN LS4_9	BALSANO CLARA
Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<i>Circular Economy from the Mathematics for Signal Processing prospective</i>	PRIN PE1_18	CICONE ANTONIO
Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<i>Smart Under-Ground Infra-Structures for Secure Communities and Post-Disaster Emergency Response: Eco-Friendly Seismic Protection Solutions</i>	PRIN PE8_3	FERRETTI MANUEL
Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<i>Production, characterization and testing of advanced biofuels from hydrothermal liquefaction (HTL) of manure and sludge anaerobic digestates: from the bench scale chemical reactor to the overall renewable energy community</i>	PRIN PE8_6	FATIGATI FABIO
Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<i>Prejudice, Proxemic Space and Social Odor: the representation of the 'outsider' through an evolutionary-metaverse psychology perspective</i>	PRIN SH4_2	CURCIO GIUSEPPE
Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<b>BAT-MEN</b> (BATtery Modeling, Experiments & Numerics) - Enhancing battery lifetime: mathematical modeling, numerical simulations and AI parameter estimation techniques for description and control of material localization processes	PRIN PE1_18	D'AMBROSIO RAFFAELE
Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<b>ADVISOR</b> - ADaptiVe legible robotS for trustwORthy health coaching	PRIN P6_7	COSTANTINI STEFANIA
Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<i>Modelling fresh and saline water under confinement for the development of new generation purification and desalination filter membranes</i>	PRIN P3_4	PIERLEONI CARLO
Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<i>Nonlinear Operando Tools for BAtteries Diagnostics (NOTBAD)</i>	PRIN PE3_9	MARINI ANDREA



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Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<i>Molecular analysis of the mechanisms of action of the biocontrol agent <i>Papiliotrema terrestris</i> for its use in sustainable agriculture</i>	PRIN LS9_9	BENEDETTI MANUEL
Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<i>Organic Solar Cells: identification and removal of charge recombination pathways</i>	PRIN P5_2	ASCHI MASSIMILIANO
Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<i>Recovery of bio-based volatile fatty acids from digestates (<b>RECREATE</b>)</i>	PRIN PE8_2	INNOCENZI VALENTINA
Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<i>Engineered robust-composite photoelectrodes with enhanced durability and solar-to chemical energy conversion</i>	PRIN PE11_5	CANTALINI CARLO
Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<i>Tapping into the biological potential of wild mushrooms from a range of ecosystems in Sardinia and Abruzzi: <b>FUNSarAbr</b></i>	PRIN LS1_2	LEONARDI MARCO
Italian Research Funds	MIUR PRIN	2022/23	PARTNER	<i><b>SHEEP</b>: Symmetry-broken HEterostructurEs for Photovoltaic applications</i>	PRIN PE3_4	BISTI FEDERICO
IT&EE Funds (Public)	MASE	2022	PARTNER	<i>Programma sperimentale di interventi per l'adattamento ai cambiamenti climatici in ambito urbano</i>	902/2022/4/2022	CURCI GABRIELE
European Research Funds	H2020	2018	PARTNER	<i>Chemical looping gasification for sustainable production of biofuel - <b>CLARA</b></i>	<a href="https://cordis.europa.eu/project/id/817841">https://cordis.europa.eu/project/id/817841</a>	KATIA GALLUCCI
European Research Funds	H2020	2017	PARTNER	<i>Future business models for the Efficient recovery of Natural and Industrial secondary resources in eXtended supply chains contexts - <b>FENIX</b></i>	<a href="https://cordis.europa.eu/project/id/760792">https://cordis.europa.eu/project/id/760792</a>	FRANCESCO VEGLIÒ
European Research Funds	LIFE	2017	PARTNER	<i>Pilot technology for aerobic Biodegradation of spent TMAH Photoresist solution in Semiconductor industries - <b>LIFE BITMAPS</b></i>	<a href="https://www.lifebitmaps.eu/">https://www.lifebitmaps.eu/</a>	MARINA PRISCIANDARO
IT&EE Funds (Public)	PNR	2021	COORDINATOR	<i>Ricerca e Sviluppo di soluzioni basate sull'integrazione sinergica di tecnologie Rail &amp; Road</i>	10666/2022/164/2022	COSTANZO MANES
IT&EE Funds (Public)	Contract Municipality	2021	COORDINATOR	<i>Analisi e caratterizzazione di un catalizzatore per l'ossidazione del monossido di carbonio installato nella centrale di Priolo</i>	Contract n.4349/185/2021	FRANCESCO SMARRA
IT&EE Funds (Private)	Contract	2021	PARTNER	<i>Progettazione e Modellazione di nuove tecnologie, nano materiali e nano sistemi cosmetici - <b>MT2020</b></i>	<a href="https://www.ventiseidici.it/it/research-area/uv-sensor/">https://www.ventiseidici.it/it/research-area/uv-sensor/</a>	ARMANDO CARLONE



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IT&EE Funds (Private)	Contract	2021	COORDINATOR	Attività di Ricerca e Sviluppo sull'Analisi sperimentale e di processo in scala laboratorio e pilota dei processi di recupero di metalli preziosi e base da affluenti del settore galvanico -	Contract n.1406/35	FRANCESCO VEGLIÒ
IT&EE Funds (Private)	Contract	2021	COORDINATOR	Recupero di terre rare da RAEE e rifiuti industriali: Analisi di fattibilità Tecnico Economica	Contract n. 3920/91	FRANCESCO VEGLIÒ