DECLARATION OF <u>PRIORITY INTEREST</u> TO COMPETE FOR SCHOLARSHIPS LINKED TO A SPECIFIC RESEARCH TOPIC

I,		(full name),
born in	(<i>place</i>) on	(date)
wish to express my interest in applying pri	imarily for the following scholarships lin	ked to a specific
research topic (please tick the appropriate	e box and list the research topics in or	der of priority for
greatest interest)		

PhD Programme in "Agri-Food Science, Technology and Biotechnology"				
Specific research topic			If you are interested in more than one specific research topic, please enlist the topics in order of priority:	
Microbes and microbial products impacting on health, environment, food, and sustainability.	☐ YES	□ №	1	
Polymicrobial fermentation by synthetic consortia to unravel microbe-to-microbe interactions in natural whey starter metacommunities for hard-cooked cheese production (MICROSOCIAL)	☐ YES	□ NO	2	
Integrated phenomics and genomics for cereal predictive breeding	☐ YES	□ №	3	
Assessing canopy microclimate and wetness conditions to improve growth and phytopathological status of fruit trees towards sustainable crop productions	☐ YES	□ NO		

PhD Programme in "Health innovative products and technologies (HIP-TECH)"					
Specific research topic					
Study of the effects of environmental exposure to p-cresol and the associated risk of neurological diseases for sustainable development	☐ YES	□ NO	1		
Innovation in the production and development of biotechnological drugs	☐ YES	□ №	2		
Use of Real-World Data, Artificial Intelligence, and Innovative Technologies in the Design, Planning, and Implementation of Clinical Trials	☐ YES	□ NO	3		

PhD Programme in "Humanities, techr	nology an	d society"
Specific research topic		applying for the linked to the specific ic YES/NO
New Artistic Media and the Transformation of Social Relationships. On the Use of New Artistic Media (Video, Digital, and Web) in the Promotion and Consolidation of New Forms of Social Relationships Among Individuals and Communities		□ NO

PhD Programme in "Information and communication					
technologies (ICT)"					
Specific research topic	Interest in applying for the scholarship linked to the specific research topic YES/NO		If you are interested in more than one specific research topic, please enlist the topics in order of priority:		
Application of Artificial Intelligence Techniques and Multi-Agent Systems for the Optimization of Medical- Diagnostic and Therapeutic Processes	☐ YES	□ №	1		
Resilient, distributed and continuous- learning artificial intelligence models based on brain functioning for energy-efficient applications	☐ YES	□ №	2		
Electric drives for green transportation applications	☐ YES	□ №	3		
Hot Carrier effects in advanced semiconductor devices for energy and power management.	☐ YES	□ NO	4		
Generative Approaches for Ethical and Privacy-Preserving Medical Imaging Data Synthesis	☐ YES	□ NO			
Characterization and analysis of electrical parameters drifts in power devices	☐ YES	□ NO	5		
Multimedia Technologies for Large- Scale Al	☐ YES	□ NO			
Context Aware Shared Autonomy for Robotic Manipulation Tasks	☐ YES	□ №			
Extending Generative Al Systems with Modularity, Efficiency and Compositionality	☐ YES	□ NO			
Generative AI models for Content Understanding and Generation	☐ YES	□ №			

PhD Programme in "Civil, environmental and materials engineering"			
Specific research topic	Interest in a scholarship link research topic	red to the specific	
Development of innovative hydrological and hydraulic models based on ultra-high-resolution topographic data to enhance the resilience of rural and urban areas to extreme events	☐ YES	□ NO	

PhD Programme in '	ʻlndustri	al Innova	tion Engineering"
Specific research topic	Interest in applying for the scholarship linked to the specific research topic YES/NO		If you are interested in more than one specific research topic, please enlist the topics in order of priority:
Optimization and Artificial Intelligence Methods for Business Processes	☐ YES	□ NO	1
Management, analysis, and utilization of planetary and extraplanetary satellite data	☐ YES	□ №	
Sustainability and Innovation: Intelligent Manufacturing Processes through Digitalization	☐ YES	□ NO	2
Development and implementation of planning and control algorithms for autonomous surgical robots	☐ YES	□ NO	3
Development and implementation of an advanced perception system based on deep learning for intraoperative analysis	☐ YES	□ NO	
Development and implementation of control and artificial intelligence algorithms for the coordination of heterogeneous robotic systems	☐ YES	□ NO	

PhD Programme in "Mechanical and Vehicle Engineering"					
Specific research topic	scholarship I	plying for the inked to the earch topic			
Advanced Technologies for the Ecological and Digital Transition: Innovative Solutions for Energy Efficiency, Sustainable Mobility, and Circular Economy – Numerical and Experimental Study for the Optimization of the Combustion of Pyrolysis and Gasification Gases	☐ YES	□ NO			

PhD Programme in "Labour, development and innovation"					
Specific research topic	the schola	applying for irship linked sific research NO	If you are interested in more than one specific research topic, please enlist the topics in order of priority:		
The ageing of the working population: the governance and organisation of labour relations as a condition for promoting the well-being and skills development of workers of all ages	☐ YES	□ №	1		
Critical factors for sustainable circular value chains in Agrifood industry	☐ YES	□ №	2		
The evaluation of territorial care reform initiatives within the PNRR Health Mission	☐ YES	□ NO	3		
Climate Risk and Green Investments	☐ YES	□ №			

PhD Prog	gramme i	n " Mathe r	natics"
Specific research topic	the schola	applying for irship linked sific research NO	If you are interested in more than one specific research topic, please enlist the topics in order of priority:
The Geometry of Deep Learning	☐ YES	□ №	1
Towards greener AI: optimising hyperparameters for sustainable and adaptive intelligence	☐ YES	□ №	2
Scientific machine learning for partial differential equations	☐ YES	□ NO	
Stochastic particle methods for optimization problems	☐ YES	□ NO	3
Logic and symbolic systems for rule extraction and information treatment from text in an agentic context: an integrated	☐ YES	□ NO	

PhD Programme in "Models and Methods for Material and **Environmental Sciences**" Interest in applying for If you are interested in more the scholarship linked than one specific research Specific research topic topic, please enlist the topics in to the specific research topic YES/NO order of priority: Development of solid-state electrolytes for optimizing ☐ YES \square NO performance of Li-ion batteries Circular economy applied to naturebased solutions for biomass carbon ☐ YES \square NO capture and storage in sustainable agriculture, effects of an innovative compost on soil organisms and plants Organometallic complexes bearing salmen and salben ligands and their \square NO YES application in catalysis Multiparametric analytical approaches for the characterization ☐ YES \square NO of agri-food supply chains

PhD Progr	amme in '	'Neuroso	ciences"
Specific research topic	Interest in a the scholars to the specif topic YES/NO	ship linked ic research	If you are interested in more than one specific research topic, please enlist the topics in order of priority:
Multiscale modelling of brain circuits for innovative digital twins and high energy efficient Artificial Intelligence models	☐ YES	□ №	1
Biomarker research in Amyotrophic Lateral Sclerosis	☐ YES		2
From Principle to Practice: A multistakeholder study on Fidelity in Mental Health Services Implementing Open Dialogue	☐ YES	□ NO	

PhD Programme in "Physics and Nano Sciences"				
Specific research topic	the schola	applying for rship linked sific research NO	than one sr	erested in more pecific research list the topics in y:
Flexible and green thin-film electronics with zero impact on nature	☐ YES	□ NO	1	
Design, fabrication and characterization of sustainable electronic devices	☐ YES	□ NO	2	
Modeling solid state spin qubits for quantum technologies	☐ YES	□ NO		
BlackHoleWeather: Advancing Black Hole Astrophysics via Simulations and Observations	☐ YES	□ NO	3	
Combining high-performance computing, machine learning and atomistic simulations to design nanostructrures for thermal energy harvesting	☐ YES	□ NO		
PhD Progr	amme in	"Legal S	ciences"	
Specific research topic Specific research topic Interest in applying for the scholarship linked to the specific research topic YES/NO				
Sustainable Development: Studies for Law of Sustainability	a European	and National	☐ YES	□ NO
PhD Programme in "Hur literature, history and p		hy, comr		
Specific research topic Interest in applying for the scholarship linked to the specific research topic YES/NO				
Promoting Inclusive Slow Tourism: Cultural Heritage Exploration through Digital Media and Al		☐ YES	□ NO	
The option hereby chosen has pr	iority over re	egular places	, with or without	scholarship.
Date and place,			Si	gnature