

PROGETTI PRIN 2020 DELL'UNIVERSITA' DEGLI STUDI DELL'AQUILA

SETTORE ERC	DIPARTIMENTO	PROPONENTE	TITOLO DEL PROGETTO
SH1_6	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	GIOVANNELLI ALESSANDRO	High-dimensional time series for structural macroeconomic analysis in times of pandemic
SH2_4	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	POLITI FABRIZIO	Il diritto costituzionale della salute e dell'organizzazione sanitaria dopo l'emergenza della pandemia
SH5_5	SCIENZE UMANE	MORELLI ARNALDO	Virtuose di musica nell'Italia del Seicento: formazione, carriere, reti di relazioni, repertorio - VidiMus
SH6_13	SCIENZE UMANE	GRECO LORENZO	La compassione in azione: teorie della simpatia e costruzione dell'alterità nel lungo Settecento
PE1_11	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	DONATELLI DONATELLA	Nonlinear evolution PDEs, fluid dynamics and transport equations: theoretical foundations and applications

PE6_3	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	DI RUSCIO DAVIDE	Engineered Machine Learning-intensive IoT systems (EMELIOT)
PE7_5	SCIENZE FISICHE E CHIMICHE	MARINI ANDREA	PHotonics Terahertz devices based on topological materials (PHOTO)
PE8_5	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	CIPOLLONE ROBERTO	H2ICE: development of a hydrogen fueled hybrid powertrain for urban buses
LS1_3	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	MASTROBERARDINO PIERGIORGIO	Interplay between genotoxic and mechanical stress in neurodegeneration
LS9	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	MACCHIARELLI GUIDO	New perspectives for the exploitation of female reproductive potential in mammals: from the recovery of the untapped natural ovarian reserve to the generation of oocytes and granulosa cells from mesenchymal stem cells (InfiniteGG)

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PE10_14	SCIENZE FISICHE E CHIMICHE	PIERSANTI MIRKO	Characterization of the Lithosphere-Ionosphere coupling during seismic phenomena
SH2_4	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	CAPORALE FEDERICO	hiresia - hierarchical clustering and abstracts making of case law decisions
PE4_15	SCIENZE FISICHE E CHIMICHE	DI GIUSEPPE ANDREA	Heterogeneous electrophotocatalysis by iridium(III) complexes for greener organic syntheses [HEPIrCOS]
PE5_2	SCIENZE FISICHE E CHIMICHE	LAZZARINI ANDREA	MOF20 - Metal Organic Framework-based electrocatalysts towards bio-inspired water splitting reaction
PE7_11	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	BARILE GIANLUCA	Accurate fermentation monitoring through multi sensorial approach
LS3_5	SCIENZE FISICHE E CHIMICHE	IACOBUCCI CLAUDIO	SMACK: The Saliva-Mediated feedbaCK signal affecting mosquito biting
PE10_18	SCIENZE FISICHE E CHIMICHE	TUCCELLA PAOLO	SnowMed - Apennine snow cover in the Mediterranean climate region: multi-sensor data, observations, modeling and trend analysis

PE8_2	INGEGNERIA INDUSTRIALE DELL'INFORMAZIONE E DI ECONOMIA	INNOCENZI VALENTINA	sustainable Management strategies of liquid waste for transition to circular economy through hydrodynamic cavitation technology
LS7_3	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	CARUSO SILVIA	Development of a new antibacterial nano- filled composite material for dental treatment of vulnerable patients: biological, mechanical and microbiological characterization
SH4_6	SCIENZE CLINICHE APPLICATE E BIOTECNOLOGICHE	D'ATRI AURORA	How Emotional Reactivity and Memory Evolve over Sleep: psychophysiological Description via Exogenous manipulation of Sleep features (HERMES-DEUS)
PE9_9	SCIENZE FISICHE E CHIMICHE	MACOLINO CARLA	Towards the ultimate Dark Matter experiment: improved electrodes and neutron veto technologies for the next- generation xenon TPC for the direct detection of dark matter.
PE3_4	SCIENZE FISICHE E CHIMICHE	BISTI FEDERICO	engineering Topological quantum phases in hexagonal Ternary compounds (TOTEM)
SH4_9	SCIENZE UMANE	CORONA LUISA	Sounding Complex. Morphological structure and lexical information in speech production, perception and comprehension (CompLeXSpeech)
PE11_9	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	CARLO CANTALINI	Engineered nano-heterostructures for a new generation of titania photocatalytic films (ENTI)

SH1_11	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	GASTALDI MASSIMO	Protecting the Environment: Advances in Circular Economy (PEACE)
PE7_2	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	BUCCELLA CONCETTINA	Enhanced Energy-Saving Powertrains for Freight E-Transportation
PE8_3	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	AMBROSINI DARIO	"THE-METHER" - THERmometric Method Enhancement for building wall THERmal Resistance evaluation
PE8_11	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	PAOLETTI ALFONSO	Research and development of polymeric materials endowed with thermally and electrical conductivity properties based on graphene/copper coating and foams for the implementation of innovative heat exchangers.
LS7_2	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	ROSSI FABRIZIO	PRECISION MEDICINE IN RENAL REPLACEMENT THERAPY FOR CRITICALLY ILL PATIENTS
PE11_13	INGEGNERIA CIVILE, EDILE-ARCHITETTURA E AMBIENTALE	DELL'ISOLA FRANCESCO	metamaterials design and synthesis with applications to infrastructure engineering
PE6_7	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	COSTANTINI STEFANIA	TrustPACTX - Design of the Hybrid Society Humans-Autonomous Systems: Architecture, Trustworthiness, Trust, EthiCs, and EXplainability (the case of Patient Care)

LS1_2	SCIENZE CLINICHE APPLICATE E BIOTECNOLOGICHE	MACCARRONE MAURO	Intersection between endocannabinoid signaling and resolution of inflammation in Alzheimer's disease
LS8_3	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	DI MUSCIANO MICHELE	Identification of priority sites for the conservation of terrestrial animal and plant diversity to meet European and CBD 2030 targets
PE1_6	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	NELLI BARBARA	Real and Complex Manifolds: Geometry and Holomorphic Dynamics
PE7_2	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	TURSINI MARCO	Multi-phase fault tolerant MW range generation systems for hybrid-electric aircrafts
LS2_14	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	BRANCATI FRANCESCO	Clinical, molecular and pathogenic bases of familial adult myoclonic epilepsies caused by pentanucleotide repeat expansions in the non-coding genome
Ls4_12	SCIENZE CLINICHE APPLICATE E BIOTECNOLOGICHE	FARGNOLI MARIA CONCETTA	Cutaneous squamous cell carcinoma: stratifying high risk tumors with novel technologies
PE7_11	SCIENZE FISICHE E CHIMICHE	D'ARCHIVIO ANGELO ANTONIO	ultra-broadband photo-thermal microscopy for label-free biochemical imaging of Cells and tissues (TROPIC)
PE2_2	SCIENZE FISICHE E CHIMICHE	VILLANTE FRANCESCO LORENZO	PANTHEON: Perspectives in Astroparticle and Neutrino Theory with Old and New messengers

PE8_3	INGEGNERIA CIVILE, EDILE-ARCHITETTURA E AMBIENTALE	MORGANTI RENATO TEOFILO GIUSEPPE	Buildings and Circular Economy. Steel from production to post-production. Law and responsibility issues
LS3_5	SCIENZE CLINICHE APPLICATE E BIOTECNOLOGICHE	ALESSE EDOARDO	Novel approaches for the characterization and modulation of the oncogenic Sonic Hedgehog pathway in colorectal cancer. Identification of new potential prognostic markers and therapeutic targets.
SH5_11	SCIENZE UMANE	CONTI ALESSANDRO DOMENICO	External vs Internal Objects of Knowledge in the Late Middle Ages: from Direct Realism to Representationalism
LS9_8	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	MATTEI MARIA BENEDETTA	Plant tissue damage: Signalling Gunshots And Waves for Immunity (SiGaWI)
PE10_2	SCIENZE FISICHE E CHIMICHE	VERDECCHIA MARCO	Exploring Atmospheric Rivers in the Mediterranean and their connection with extreme hydrometeorological events over Italy: observation, modelling and impacts (ARMEX)
LS6_9	SCIENZE CLINICHE APPLICATE E BIOTECNOLOGICHE	PERILLI MARIA GRAZIA	Fighting Carbapenemases Resistance by Kinetic Guided Target Synthesis (CARESS)
PE4_10	SCIENZE FISICHE E CHIMICHE	CRUCIANELLI MARCELLO	witching from petro- to bio-based chemistry: deoxydehydration reaction as versatile tool for the production of olefins from natural polyols

SH7_7	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	BASILE ROBERTO	Reloading city: a new systemic approach to urban and territorial regeneration Reloading city: un nuovo approccio sistemico alla rigenerazione della città e del territorio
SH3_14	SCIENZE CLINICHE, APPLICATE E BIOTECNOLOGICHE	MAZZA MONICA	FEEL GOOD! INTERVENTO DI VIDEO MODELING MEDIATO DA ROBOT SOCIALE PER FACILITARE LA COMUNICAZIONE TRA PROFESSIONISTA SANITARIO E PAZIENTE CON DISTURBO DELLO SPETTRO DELL'AUTISMO
LS5_17	SCIENZE CLINICHE, APPLICATE E BIOTECNOLOGICHE	SACCO SIMONA	Exploring the effects of lamotrigine on interictal neurovascular coupling within visual network in patients with migraine with aura: a multiparametric longitudinal study with EEG-fMRI and multi-delay 3D-pseudocontinuous arterial spin labeling.
PE1_20	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	PIGNOTTI CRISTINA	Optimal control problems: analysis, approximation and applications
LS5_14	SCIENZE CLINICHE, APPLICATE E BIOTECNOLOGICHE	MACCARONE RITA	An innovative cross-species transcriptome approach to target retinal cell dysfunction in age-related macular degeneration
PE4_13	SCIENZE FISICHE E CHIMICHE	GUIDONI LEONARDO	Quantum Computing for Computational Chemistry and Materials Science
PE8_11	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	VEGLIO' FRANCESCO	Recycling of ferromagnets WEEE containing rare earths: transforming unproductive waste to high added value catalyts.

LS3_3	SCIENZE CLINICHE APPLICATE E BIOTECNOLOGICHE	DELLE MONACHE SIMONA	Effect of Heat-not-burn tobacco (IQOS) versus Electronic and Tobacco cigarettes on the oral health: a multidisciplinary approach for a potential prevention strategy
PE8_3	INGEGNERIA CIVILE, EDILE- ARCHITETTURA E AMBIENTALE	MONACO PAOLA	characTeRization And modelling of iNtermediate Soils through Innovative approaches for robust design of straTegic Infrastructures and protection Of risk-seNsitive areas (TRANSITION)
PE6_3	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	MUCCINI HENRY	BeT: Behavior-enabled IoT
PE3_1	SCIENZE FISICHE E CHIMICHE	PIERLEONI CARLO	Probing the Exotic properties of gas and ions filled ICES under extreme conditions: from planetary interiors modelling to hydrogen storage and green Energy applications (E-ICES)
SH1_11	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	SAMARRA ALESSIA	CHRONically ill Workers Sustainable Employment across the Lifespan (CHROWSEL)
PE2_4	SCIENZE FISICHE E CHIMICHE	FERELLA ALFREDO DAVIDE	DAREDEVIL: DARK-mattEr-DEVIces-for-Low-energy-detection
PE8_3	INGEGNERIA CIVILE, EDILE- ARCHITETTURA E AMBIENTALE	FERRETTI MANUEL	engineered basements for vibration protection of artworks and strategic sensitive equipment

PE1_11	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	SPIRITO STEFANO	Classical equations of compressible fluids mechanics: existence and properties of non-classical solutions
LS6_3	SCIENZE CLINICHE APPLICATE E BIOTECNOLOGICHE	RUSCITI PIERO	The PIANO project, Pathways Involved in the action of ANti-MDA5 antibodies: impact On innate immunity
P1_12	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	NOTA ALESSIA	Emergence of condensation-like phenomena in interacting particle systems: kinetic and lattice models. Fenomeni di condensazione in sistemi di particelle interagenti: modelli cinetici e su reticolo.
PE7_2	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	CIANCETTA FABRIZIO	Sensors and Measurements Methods for aware BATteries MAnagement in uninterruptable
LS3_15	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	TATONE CARLA	Evaluation of the paracrine therapeutic action of adipose mesenchymal stem cells in female reproductive diseases: insights from animal and cellular models (FFert-REPAIR)
SH5_1	SCIENZE UMANE	LULLI LAURA	Folklore and oral traditions in the Greek culture. From the Archaic to the Hellenistic period.
LS5_11	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	MASTROBERARDINO PIERGIORGIO	Interplay between Parkin and Transglutaminase 2 in DNA damage and repair in Parkinson's disease

SH4_8	SCIENZE CLINICHE APPLICATE E BIOTECNOLOGICHE	D'AMICO SIMONETTA	PAROLA. Parenting APP for promoting language acquisition
LS3_13	SCIENZE CLINICHE APPLICATE E BIOTECNOLOGICHE	CAPECE DARIA	Targeting cancer stem cell metabolism by exploiting ncRNAs to improve drug therapy outcome in lung cancer.
SH5_6	SCIENZE UMANE	HOPKINS Andrew James	Hidden in plain sight: gold and silver altarpieces in medieval Venetia
LS6_4	SCIENZE CLINICHE APPLICATE E BIOTECNOLOGICHE	CIPRIANI PAOLA	The identification of common genetic, molecular, and cellular pathogenic mechanisms in diabetes and rheumatoid arthritis may shed new light in the development of a metabolic disease during a chronic inflammatory process and may identify new specific targets to derive a precision medicine driven therapeutic strategy
PE10_3	SCIENZE FISICHE E CHIMICHE	CURCI GABRIELE	CarbonCity: a prototype observing system for the continuous measurement of city-scale carbon dioxide net emissions
LS7_14	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	LA RUSSA RAFFAELE	SyDiDOa - Symptomatic Digital Drugs for Osteoarthritis
LS9_10	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	DI BATTISTA DAVIDE	One SUSTainability vision in Dairy farms: a big Data approach for a perspective Decision-making (SUS3D)

LS9_10	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	DI EMIDIO GIOVANNA	Effects of combined exposure to nano/microplastics and plastic additives on mammalian female fertility
LS3_5	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	GIUSTI ILARIA	Non coding-RNAs shuttled by Ovarian Cancer Extracellular Vesicles as potential biomarkers in liquid biopsy (NARCISUS)
SH4_13	SCIENZE UMANE	LANDO GIORGIO	The Varieties of Grounding
PE6_3	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	DI RUSCIO DAVIDE	TRex-SE: Trustworthy Recommenders for Software Engineers
LS4_1	SCIENZE CLINICHE APPLICATE E BIOTECNOLOGICHE	CIFELLI PIERANGELO	Neurosteroids as Determinants of Seizure Susceptibility to Stress
P3_10	SCIENZE FISICHE E CHIMICHE	MARINI ANDREA	Light-programmed two-dimensional meta-holograms for integrated neuromorphic computing
PE1_6	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	PIPOLI GIUSEPPE	Differential-geometric aspects of manifolds via Global Analysis
SH5_6	SCIENZE UMANE	PEZZUTO LUCA	Margaret of Austria, a Princess Emboldened by Arts at Courts Europe (PEACE)

LS8_2	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	SALVI DANIELE	INGEN: mapping and conserving INtraspecific GENetic diversity for endemic vertebrates in the Italian peninsula
PE6_3	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	TIVOLI MASSIMO	HALO: etHical-aware AdjustabLe autOnomous systems
PE6_2	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	AUTILI MARCO	CAVIA: enabling the Cloud-to-Autonomous-Vehicles continuum for future Industrial Applications
PE3_4	SCIENZE FISICHE E CHIMICHE	POLITANO ANTONIO	PLANET- PLAsmons of topological Nodal-line semimeTals
P6_7	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	COSTANTINI STEFANIA	ADVISOR - ADaptiVe legIble robotS for trustwORthy health coaching
P3_4	SCIENZE FISICHE E CHIMICHE	PIERLEONI CARLO	Modelling fresh and saline water under confinement for the development of new generation purification and desalination filter membranes
LS1_13	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	GIUSTI ILARIA	Implementation of a patient-derived 3D model of glioblastoma multiforme for the developing of extracellular vesicles-based drug delivery system (EXANDROID-EXtracellular vesicles pAtieNt-DeRived

			3d gbm mOdel drug delIvery Developing).
PE3_9	SCIENZE FISICHE E CHIMICHE	MARINI ANDREA	Nonlinear Operando Tools for BAtteries Diagnostics (NOTBAD)
Ls9_9	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	BENEDETTI MANUEL	Molecular analysis of the mechanisms of action of the biocontrol agent <i>Papiliotrema terrestris</i> for its use in sustainable agriculture
PE6_3	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	DI RUSCIO DAVIDE	FRINGE: context-aware FaiRness engineerING in complex software systEms
P5_2	SCIENZE FISICHE E CHIMICHE	ASCHI MASSIMILIANO	Organic Solar Cells: identification and removal of charge recombination pathways
SH5_1	SCIENZE UMANE	LULLI LAURA	Digital Papyrology. New Approaches to Preservation, Edition and Dissemination of Papyrus Collections in Southern Italy.
PE1_11	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	DONATELLI DONATELLA	Some mathematical approaches to climate change and its impacts
SH1_3	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	BASILE ROBERTO GIOVANNI	From banking diversity to local sustainable development and inclusive growth: Lessons from Italy and cross-country comparisons

PE8_2	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	INNOCENZI VALENTINA	Recovery of bio-based volatile fatty acids from digestates (RECREATE)
PE7_8	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	MAROTTA ANDREA	Green Autonomic and Resilient Optical Multi-Core Networks (GASTON)
Ls1_2	SCIENZE CLINICHE APPLICATE E BIOTECNOLOGICHE	MACCARRONE MAURO	The endocannabinoid system in the neural stem cells as a bridging among adult hippocampal neurogenesis, stress resilience and environmental challenges
PE11_5	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	CANTALINI CARLO	Engineered robust-composite photoelectrodes with enhanced durability and solar-to chemical energy conversion
LS9_10	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	PALMERINI MARIA GRAZIA	Maternal transcript degradation during oocyte to embryo transition: a new role for the Subcortical Maternal Complex? (NASCENCY: maternNal trAnSCript dEgradatioN ooCyte embrYo)
LS1_2	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	LEONARDI MARCO	Tapping into the biological potential of wild mushrooms from a range of ecosystems in Sardinia and Abruzzi: FUNSarAbr
PE8_3	INGEGNERIA CIVILE, EDILE-ARCHITETTURA E AMBIENTALE	CHIARADONNA ANNA	Renovation and Improvement of Seismic COde for Stick-Slip Analysis 2.0 - RI - SCOSSA 2.0

SH5_4	SCIENZE UMANE	LINO MIRKO	CineAb: Rediscovering and Promoting the Film and Audiovisual Heritage of the Abruzzo region
LS7_2	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	MORONI GIOVANNI	AID2GAIT: Biofeedback based system to enhance robotic assisted gait training in children with cerebral palsy
PE10_2	SCIENZE FISICHE E CHIMICHE	CURCI GABRIELE	PBLHsat-Machine learning-based improvement of planetary boundary layer height from atmospheric model simulations using CALIOP satellite and ACTRIS Earlinet ground-based lidar observations
PE3_4	SCIENZE FISICHE E CHIMICHE	BISTI FEDERICO	SHEEP: Symmetry-broken HEterostructurEs for Photovoltaic applications
PE3_4	SCIENZE FISICHE E CHIMICHE	PASSACANTANDO MAURIZIO	Development of two-dimensional environmental gas nano-sensors with enhanced selectivity through fluctuation spectroscopy (2DEGAS)
PE10_8	SCIENZE FISICHE E CHIMICHE	FERRETTI ROSSELLA	PROtotype of Marine natural hazard Early-warning sysTem based on Ensemble fOrecasting (PROMETEO)
PE1	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	SALVATORE STELLA	Cluster algebras and Poisson Lie groups
PE1	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	ARAGONA RICCARDO	Algebraic methods in Cryptanalysis

PE1	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	D'AMBROSIO RAFFAELE	Stochastic numerical modelling for sustainable innovation
PE4	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	TAGLIERI GIULIANA	nanoparticles for HERitage and CULTure in Environmental Sustainability (nanoHERCULES)
PE4	SCIENZE FISICHE E CHIMICHE	RUGGIERI FABRIZIO	Exploitation of targeted and untargeted analytical strategies for WASTEwaterR monitoring: toward a sustainable water management according to the principles of circular economy- EXWASTER
PE6	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	CORTELLESSA VITTORIO	MEDITATE: towards Model-based generation and optimization of Advanced driver assistance systems Testing scenarios in co-simulation
PE7	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	DI MARCO PIERGIUSEPPE	Intelligent Reflecting Surfaces Application to NOMA Systems
PE7	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	DE SANTIS VALERIO	Electromagnetic modeling and design of WPT systems in compliance with EMC and safety guidelines for automotive applications
PE8	INGEGNERIA CIVILE, EDILE-ARCHITETTURA E AMBIENTALE	DI RISIO MARCELLO	GuideBoaRd - Guidelines for the design of harbor breakwaters with novel recurved parapets
PE8	INGEGNERIA CIVILE, EDILE-ARCHITETTURA E AMBIENTALE	MAIEZZA PAMELA	GUIDANCE - GUIDelines for H-BIM Documentation, management and Conservation of built heritage assets

PE8	INGEGNERIA CIVILE, EDILE-ARCHITETTURA E AMBIENTALE	ROTILO MARIANNA	DIGITAL TWIN DEVELOPMENT FOR THE RESILIENT MANAGEMENT OF MINOR HISTORICAL CENTRES (DiTHiCe)
PE9	SCIENZE FISICHE E CHIMICHE	NESTI FABRIZIO	The quest for the understanding of the Dark matter phenomenon
LS1	SCIENZE FISICHE E CHIMICHE	GIANSANTI LUISA	Saffron and Tepals Nanodrugs as new therapeutic approach in Inflammatory Bowel Diseases: a pilot study
SH4	SCEINZE CLINICHE APPLICATE E BIOTECNOLOGICHE	FERRARA MICHELE	Cerebral neuroplasticity and technological embodiment following spinal cord injury
SH4	SCIENZE UMANE	AVOLIO FRANCESCO	Causes and remediations of attentional network dysfunctions in developmental dyslexia: The role of early stress and later sensomotor enriched environment

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SH6_9	SCIENZE UMANE	MANTINI SILVIA	institutional controls and health actions to control endemic and epidemic morbidity in Italian states between the 15th century and national Unity
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SH5_1	SCIENZE UMANE	FILOSINI STEFANIA	HUMAN = HUMANS in Nature. New Insights into Late Ancient Latin Texts in light of an Ecocritical Approach.
LS2_2	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	BARONI MARCO GIORGIO	Elucidating molecular mechanisms underlying the protection against fatty liver disease
LS7_2	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	BRANCATI FRANCESCO	Employment of Mu-Lympho-Marker as an innovative candidate diagnostic tool to ameliorate the efficacy of the analgesic program in a pain suffering patient-oriented strategy
PE5_17	SCIENZE FISICHE E CHIMICHE	CARLONE ARMANDO	Selective Induced Generation of New Active species using Light, Organocatalysis, and flow technology - SIGNAL-ON
SH1_2	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	FRATOCCHI LUCIANO	CASCADE (Criticality Analysis for Supply Chain Availability and Dependency Evaluation)
LS8_1	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	DI MUSCIANO MICHELE	Plant Biodiversity and Ecosystem Change in protected Areas: land-Use impacts and Scenario Evaluation
PE3_9	SCIENZE FISICHE E CHIMICHE	POLITANO ANTONIO	ENTANGLE- thermoplasmonic quantum materials-enhanced seawater mining for circular blue Economy
LS1_9	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	TATONE CARLA	Plant extracellular vesicles (P-EVs) as novel bioactive nanoparticles for alleviating oxidative stress in ovarian aging: molecular and functional

			characterization of P-EVs from pomegranate juice
LS9_10	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	DI EMIDIO GIOVANNA	ROFILING REDOX, EPIGENETIC AND TRANSGENERATIONAL EFFECTS INDUCED BY MICRO-NANOPLASTICS: FOCUS ON FEMALE REPROTOXICITY AND PROTECTIVE NATURAL ANTIOXIDANTS IN MAMMALS
LS1_2	SCIENZE FISICHE E CHIMICHE	IACOBUCCI CLAUDIO	Deciphering the molecular basis of insect vitellogenin recognition by its receptor(s): new integrative approaches to investigate low-density lipoprotein receptor (LDLR) complexity across species
PE2_9	SCIENZE FISICHE E CHIMICHE	RIZZA CARLO	Geometry-driven Artificial Magnetism for magnetic resonance imaging (GAMING)
SH4_6	SCIENZE CLINICHE APPLICATE E BIOTECNOLOGICHE	D'ATRI AURORA	Beyond the 1st Night: Closed-Loop Auditory Stimulations during consecutive nights while sleeping at home (B1N-CLAS@home)
SH3_7	SCIENZE UMANE	COLELLA FRANCESCA	Women's empowerment: the use of Mentoring and Diversity Management in private sector and public administration as tools for equal opportunities and innovation according to the 5 priorities of the NRRP strategy (work, income, competences, time, power).
LS9_9	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	MATTEI MARIA BENEDETTA	MicroALgae Based Biostimulants to mitigate BoTRYtis infection in TOMato (ALTRYTOM)

LS2_7	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	LUNGI ENRICO	Are facultative cave species drivers of metal contaminants into subterranean environments? (METALCAVE)
LS4_9	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	BALSANO CLARA	Innovative salivary analytical device based on bio-inspired sensors for prevention and saliva-based personalized individual management of metabolic systemic diseases
LS1_9	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	D'ANGELO MICHELE	Dissecting the role of mitochondrial-endoplasmic reticulum contact sites in brain ischemic/reperfusion-induced damage.
PE7_6	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	CASSIOLI DAJANA	Modeling and Simulation of components and propagation channel for THz Wireless Communications graphene-based (UPWARD)
LS4_12	SCIENZE CLINICHE APPLICATE E BIOTECNOLOGICHE	FARGNOLI MARIA CONCETTA	Characterization of the immunoinflammatory microenvironment of cutaneous squamous cell carcinoma and role of TILs during tumor progression
LS7_2	SCIENZE CLINICHE APPLICATE E BIOTECNOLOGICHE	PANARESE ALESSANDRA	Non invasive" procedures for prediction and diagnosis of rejection in the post-transplant period in Kidney transplant recipients by the use of new serum and urinary biomarkers (donor-derived cell free DNA, CTLA-4 and PD-1/PD-L1)
PE8_6	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	DI BATTISTA DAVIDE	gases with nanoparticles as working fluid for CSP technologies (nanoCSP)

PE6_3	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	AUTILI MARCO	RoboChor: Robot Choreography
LS5_11	SCIENZE CLINICHE APPLICATE E BIOTECNOLOGICHE	SACCO SIMONA	MigraMeter 2.0: Migraine Monitoring and Prediction via an optimized e-health tool based on machine learning approaches
PE6_3	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	CORTELLESA VITTORIO	RECHARGE: monitoRing, dEtectioN, and CHaracterization of performAnce ReGrEssions
PE1_18	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	CICONE ANTONIO	Circular Economy from the Mathematics for Signal Processing prospective
PE2_17	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	LEONI ALFIERO	ATARI: AcTive cArrier foR sIpm
PE8_3	INGEGNERIA CIVILE, EDILE-ARCHITETTURA E AMBIENTALE	DOMINICI DONATELLA	Geomatic tEchniques for mONitoring climate change Territorial Effects and disaster risk Management - GEOTEM
LS4_12	SCIENZE CLINICHE, APPLICATE E BIOTECNOLOGICHE	MUTTI LUCIANO	Molecular evaluation of the prognostic impact of BAP1 status in malignant pleural mesothelioma and renal cell carcinoma
PE8_3	INGEGNERIA CIVILE, EDILE-ARCHITETTURA E AMBIENTALE	FERRETTI MANUEL	Smart Under-Ground Infra-Structures for Secure Communities and Post-Disaster Emergency Response: Eco-Friendly Seismic Protection Solutions

PE8_6	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	FATIGATI FABIO	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.
SH4_2	SCIENZE CLINICHE APPLICATE E BIOTECNOLOGICHE	CURCIO GIUSEPPE	Prejudice, Proxemic Space and Social Odor: the representation of the 'outsider' through an evolutionary-metaverse psychology perspective
PE1_18	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	D'AMBROSIO RAFFAELE	BAT-MEN (BATTery Modeling, Experiments & Numerics) - Enhancing battery lifetime: mathematical modeling, numerical simulations and AI parameter estimation techniques for description and control of material localization processes
P6_7	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	COSTANTINI STEFANIA	ADVISOR - ADaptive legIble robotS for trustwORthy health coaching
P3_4	SCIENZE FISICHE E CHIMICHE	PIERLEONI CARLO	Modelling fresh and saline water under confinement for the development of new generation purification and desalination filter membranes
LS1_13	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	GIUSTI ILARIA	Implementation of a patient-derived 3D model of glioblastoma multiforme for the developing of extracellular vesicles-based drug delivery system (EXANDROID-EXtracellular vesicles pATieNt-DeRived 3d gbm mOdel drug delIvery Developing).

PE3_9	SCIENZE FISICHE E CHIMICHE	MARINI ANDREA	Nonlinear Operando Tools for BAtteries Diagnostics (NOTBAD)
Ls9_9	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	BENEDETTI MANUEL	Molecular analysis of the mechanisms of action of the biocontrol agent <i>Papiliotrema terrestris</i> for its use in sustainable agriculture
PE6_3	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	DI RUSCIO DAVIDE	FRINGE: context-aware FaiRness engineerING in complex software systEms
P5_2	SCIENZE FISICHE E CHIMICHE	ASCHI MASSIMILIANO	Organic Solar Cells: identification and removal of charge recombination pathways
SH5_1	SCIENZE UMANE	LULLI LAURA	Digital Papyrology. New Approaches to Preservation, Edition and Dissemination of Papyrus Collections in Southern Italy.
PE1_11	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	DONATELLI DONATELLA	Some mathematical approaches to climate change and its impacts
SH1_3	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	BASILE ROBERTO GIOVANNI	From banking diversity to local sustainable development and inclusive growth: Lessons from Italy and cross-country comparisons
PE8_2	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	INNOCENZI VALENTINA	Recovery of bio-based volatile fatty acids from digestates (RECREATE)

PE7_8	INGEGNERIA E SCIENZE DELL'INFORMAZIONE E MATEMATICA	MAROTTA ANDREA	Green Autonomic and Resilient Optical Multi-Core Networks (GASTON)
Ls1_2	SCIENZE CLINICHE APPLICATE E BIOTECNOLOGICHE	MACCARRONE MAURO	The endocannabinoid system in the neural stem cells as a bridging among adult hippocampal neurogenesis, stress resilience and environmental challenges
PE11_5	INGEGNERIA INDUSTRIALE, DELL'INFORMAZIONE E DI ECONOMIA	CANTALINI CARLO	Engineered robust-composite photoelectrodes with enhanced durability and solar-to chemical energy conversion
LS9_10	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	PALMERINI MARIA GRAZIA	Maternal transcript degradation during oocyte to embryo transition: a new role for the Subcortical Maternal Complex? (NASCENCY: maternNal trAnSCript dEgradatioN ooCyte embrYo)
LS1_2	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	LEONARDI MARCO	Tapping into the biological potential of wild mushrooms from a range of ecosystems in Sardinia and Abruzzi: FUNSarAbr
PE8_3	INGEGNERIA CIVILE, EDILE-ARCHITETTURA E AMBIENTALE	CHIARADONNA ANNA	Renovation and Improvement of Seismic COde for Stick-Slip Analysis 2.0 - RI - SCOSSA 2.0
SH5_4	SCIENZE UMANE	LINO MIRKO	CineAb: Rediscovering and Promoting the Film and Audiovisual Heritage of the Abruzzo region

LS7_2	MEDICINA CLINICA, SANITA' PUBBLICA, SCIENZE DELLA VITA E DELL'AMBIENTE	MORONI GIOVANNI	AID2GAIT: Biofeedback based system to enhance robotic assisted gait training in children with cerebral palsy
PE10_2	SCIENZE FISICHE E CHIMICHE	CURCI GABRIELE	PBLHsat-Machine learning-based improvement of planetary boundary layer height from atmospheric model simulations using CALIOP satellite and ACTRIS Earlinet ground-based lidar observations
PE3_4	SCIENZE FISICHE E CHIMICHE	BISTI FEDERICO	SHEEP: Symmetry-broken HEterostructurEs for Photovoltaic applications
PE3_4	SCIENZE FISICHE E CHIMICHE	PASSACANTANDO MAURIZIO	Development of two-dimensional environmental gas nano-sensors with enhanced selectivity through fluctuation spectroscopy (2DEGAS)
PE10_8	SCIENZE FISICHE E CHIMICHE	FERRETTI ROSSELLA	PRototype of Marine natural hazard Early-warning sysTem based on Ensemble fOrecasting (PROMETEO)