

**2022 Call for “Fundamental Research State Grants”
Ranking Lists in accordance with the scientific fields**

1. Physical Sciences and Engineering

1.1 Mathematics

#	Project ID	Project Title	Final Score
1	FR-22-6700	Polyhedral Semantics for modal and intuitionistic logic	47
2	FR-22-354	Problem of factorization and invariants of holomorphic bundles on Riemann surfaces	46
3	FR-22-4923	A categorical approach to generalized bialgebras, Hopf algebroids and related structures; descent and term rewriting.	46
4	FR-22-16379	Algorithmic reducibilities and algebraic structures	45
5	FR-22-199	Homological algebra and new invariants of crossed modules	44
6	FR-22-17770	Analysis on Spaces of Homogenous Type	44
7	FR-22-25281	Statistical Survey on Functioning and Foundational Learning Skills of Children Living in Georgian Households	42

8	FR-22-14437	Convergence problems of general Fourier series	41
9	FR-22-13062	Some boundary-contact problems of propagation of nonlinear waves and of dynamic of elasticity theory	40
10	FR-22-2936	Some problems of nonparametric statistical estimation and stochastic analysis	40
11	FR-22-24918	Development and Investigation of Modern Parallel and Sequential Methods of Statistical Inference	40
12	FR-22-23545	Classes of functions and problems of summability	40
13	FR-22-16751	Construction and investigation of differential hierarchical models for prismatic shell-like bodies of composite materials	38
14	FR-22-16722	Some linear problems of elastic and thermoelastic equilibrium of plates and shells consisting of binary mixture of solid materials with microstructure	38
15	FR-22-8475	The Two-Stage Controlled Neutral Functional Differential Equations: Well Posedness and Formulas of Variation; Optimization and Existence; Inverse Problems	38
16	FR-22-27380	The generalized Theta-series and representation of Integers by Quadratic Forms	37
17	FR-22-9932	Free and Projective Algebras and Unification Problem in the Variety generated by Komori chain MV-algebras.	36

18	FR-22-24829	(Co)homological, shape and dimension type invariants and their applications	36
19	FR-22-5642	Generalized measurability properties of families of sets and their applications	33
20	FR-22-312	Rearrangements and signs in analysis and modern statistical and discrete problems	31
21	FR-22-14013	Martingale Methods and their Applications in Optimal Control Theory and Financial Mathematics	29
22	FR-22-10167	Generalization of mathematical model of the quantum mechanics – Orbital quantum mechanics	28
23	FR-22-16381	Random oscillations of nonlinear systems with distributed parameters, account the influence of hysteretic energy losses of forced vibrations	24
24	FR-22-21538	Elaboration of Analytical Model and Calculation Methodology for landslide Slopes as well as Slopes of Other Types with Any Form and Rock Composition in Complex Engineering-Geological Conditions and Seismic Regions Considering the Buildings and Structures Existing and to be Built on it.	23

1.2 Fundamental Constituents of Matter

#	Project ID	Project Title	Final Score
1	FR-22-2771	An investigation into the impacts of high-frequency electromagnetic fields utilized in 5G technology on some biological species	47

2	FR-22-985	Search of new physics using forward jets at CMS experiment and CMS HGC Silicon Photomultiplier radiation hardness study	45
3	FR-22-8273	Astrophysical Plasma Dynamics in Photon Gas Background	44
4	FR-22-3061	Information recording based on the spatial photo-modulation of lasing from a liquid crystal layer	43
5	FR-22-8306	The study of proton therapy technique accuracy and possibilities of its improvement	42
6	FR-22-13708	Reconstruction and study neutrino events with the KM3NeT telescope	42
7	FR-22-7006	Neutrino oscillation searches at DUNE with the recovery of secondary particle tracks on a SAND	42
8	FR-22-14093	Multiplex polarization-luminescent holographic analysis of nanostructures, based on I. Denisuk's holograms	41
9	FR-22-2175	Phenomenology and Cosmology with Physics Beyond the SM	41
10	FR-22-15254	Generating Functional for the S-Matrix in Integrable Quantum Field Theories	40
11	FR-22-6416	Renormalization group with a multitude of cutoff parameters and electromagnetic currents in effective field theory	39

12	FR-22-346	Electron and Ion impact ionization, charge-exchange and excitation of He, Ar, Kr, atoms and H ₂ , N ₂ , O ₂ molecules in low and moderate energy range respectively.	37
13	FR-22-7486	Vortex solitary pulses and beams in astrophysical plasmas of compact objects.	37
14	FR-22-1946	Radon monitoring and mitigation in urban Tbilisi	36
15	FR-22-11281	Experimental search for Lorentz Invariance Violation on ATLAS/CERN experiment	27
16	FR-22-17445	To the Diagnostics of Optically Dense Media with Phase Spectrofluorometer Constructed on Phase Screen Model	23
17	FR-22-8955	Study of the technological foundations of ecologically clean energy generation from a balanced environment	19
18	FR-22-6064	Dynamical equations in Quantum Chromodynamics	14

1.3 Condensed Matter Physics

#	Project ID	Project Title	Final Score
1	FR-22-2543	Cholesteric Liquid Crystal Mirror-Based Hyperspectral Imaging Device for Medical Application	48

2	FR-22-328	Peculiarities of irradiation induced changes of electrophysical and inelastic properties of the monocrystalline n-SiGe alloys	43
3	FR-22-2349	Algebraic and topological description of low-dimensional interacting fermion systems	41
4	FR-22-4512	Influence of sol-gel method and controlled vapor diffusion process on phase formation and superconducting properties of TI-1223 HTS	40
5	FR-22-2602	Elaboration of optical resonance therapy method for detecting and treatment of virus like nanobiosystems	39
6	FR-22-480	English-German-Russian-Georgian Electronic Dictionary (Glossary) of Nanophysics, Nanochemistry and Nanotechnology	39
7	FR-22-10878	Investigation of recombination dynamic in ZnO nanostructures for improvement of laslaser emission	38
8	FR-22-19408	Role of microstructures in LCF crack initiation and propagation in martensitic steels (for nuclear power engineering)	37
9	FR-22-10788	Effect of a weak magnetic field on spin-dependent processes of plasticization of diamagnetic solids	35
10	FR-22-1539	Two-component vector 0π pulse of self-induced transparency in graphene	33
11	FR-22-10984	Investigate of the Structure and Physical Properties of Ni-containing Clusters Created by Photostimulated Diffusion in Si for High-efficiency Photocells	32

12	FR-22-333	Stability and features of radiation defects in hard-irradiated InAs-InP alloys	32
13	FR-22-12248	The use of the stimulated emission by the inverted transitions of spin triplet states coupled to resonator for the generation and enhancement of the pulse and steady state signals from them in the zero magnetic field.	30
14	FR-22-13125	The innovative version of the mechanism of the electrical conductivity in polymer composites and its experimental substantiation	30
15	FR-22-1668	Theory of resonant frequency shift and decay of a free induction signal taking into account the influence of spin relaxation with memory in compounds with anisotropic spin interactions	29
16	FR-22-10559	Comprehensive study of pilot samples of spinel to develop new thermoluminescence selective detectors for fast neutrons	29
17	FR-22-2744	Obtaining and researching thin films to create a mercury detection measuring device in the environment.	28
18	FR-22-3511	Studying of the effects of the shape memory and superelasticity in the unique multicomponent alloys of titanium and their uses for biocompatible medical materials.	27

1.4 Physical and Analytical Chemical Sciences

#	Project ID	Project Title	Final Score
1	FR-22-971	Preparation and application of polysaccharide-based advanced materials for liquid-phase separation of enantiomers	48
2	FR-22-11993	Development of 3D Biohybrid electrodes for Potential Application in Photoactive Supercapacitors	46

3	FR-22-13862	Study of migration of mineral and antioxidant components of Georgian red wine in the process of grape growth, ripening and vinification	41
4	FR-22-14481	Creation of the one-dimensional nanostructures of copper, silver, gold and their combinations on the basis of DNA and oligodeoxynucleotides	40
5	FR-22-13571	Novel hybrid “bilayered” nanosystems for 2D spintronics. Revealing of respective atomistic structure and collective spin effects by techniques of advanced cyclic voltammetry and computer modeling	38
6	FR-22-18369	Pollution of the air environment of closed premises with some building materials	38
7	FR-22-1168	Study of the mechanisms of purposeful change in the porosity and surface properties of natural, modified and recrystallized zeolites of Georgia to increase their activity against bacteria	37
8	FR-22-875	Mechanistic studies on enantioselective noncovalent selector-selectand interactions using capillary electrophoresis, nuclear magnetic resonance spectroscopy and molecular modelling	36
9	FR-22-10108	Development of the Methodology of the Treatment of Wastewater with Carbon Nanomaterials (Produced on the Basis of Waste) from Nitrogen Forms to Further its Use in the Agricultural Sector and to Promote the Development of the Circular Economy of Georgia	33
10	FR-22-2244	Assessment of Atmospheric air hazardous pollutant chemical agents in different cities of Georgia	33
11	FR-22-10997	Preparation of anionic nanoforms of natural zeolites, study of their structure and application possibilities	32
12	FR-22-4689	Study of bioactive compounds in some endemic plants and in introduced citruses of Western Georgia and their passportization according to chemical compounds	31

13	FR-22-1116	Influence of Strong Anthropogenic Factors on the Eco-chemical Characteristics of Mashavera- Khrami- Mtkvari basin	30
14	FR-22-21367	Ecochemical assessment of the impact of pollution on the surrounding ecosystems of the railway tracks	29
15	FR-22-1221	New type, environmentally safe, highly efficient and inexpensive fire-protective coatings based on mineral raw materials	28
16	FR-22-9798	Natural zeolites in the adsorption process of wastewater treatment from phenol and phenol derivatives	27
17	FR-22-27163	Investigation of Complex Formation Processes of Heavy Metals (Cr(III), Mn(II), Fe(III)) with Fulvic Acids, Isolated from Natural Waters	26
18	FR-22-13706	Study of Oscillatory Belousov-Zhabotinsky Reaction in Aqueous Solutions and Reverse Microemulsions	26

1.5 Synthetic Chemistry and Materials

#	Project ID	Project Title	Final Score
1	FR-22-13150	High-modulus pseudo-proteins as eco-friendly biodegradable materials for versatile practical applications	41
2	FR-22-6643	Synthesis and evaluation of the pharmacological action of nitrogen-containing 5 α -steroids	39

3	FR-22-4029	Obtaining new types of antifriction composites with improved properties based on clad materials using innovative technology	37
4	FR-22-7353	Prevention of global pollution of environment by nitrogen fertilizers using a new type of universal biodegradable long-acting fertilizers	34
5	FR-22-6133	New flavonoid group compounds with special optical and biological properties	33
6	FR-22-2871	The synthesis of several poly nitro aromatic substances, products of their conversion and research of explosive characteristics	25

1.6 Computer Sciences and Informatics

#	Project ID	Project Title	Final Score
1	FR-22-969	Humanitarian relief logistics' fuzzy model for the shelters' location in the disaster-stricken zones and evacuation of population	48
2	FR-22-14060	Methodology of the development of secure multilayer '5G and beyond' networks for the needs of special groups of subscribers in Georgia	45
3	FR-22-4254	Unranked Probabilistic Theory	42
4	FR-22-19127	In the European Union with the Georgian and Abkhazian languages or the Logical Grammar of the Georgian language and Its Applications in Artificial Intelligence and Language Technology	41
5	FR-22-17812	Natural Language Processing (NLP) for Georgian Language Based Big Data	38

6	FR-22-20339	Development of an evaluation index of the delivery of municipal e-services	36
7	FR-22-19280	Development of Methods of Quantum Cryptography for Cyber Security – Quancysec 1	31
8	FR-22-1128	Study of the systemic properties of erythron in order to develop a new algorithm for medical diagnostics	31
9	FR-22-962	Facets of polytope of NP hard linear ordering problem	15

1.7 Systems and Communication Engineering

#	Project ID	Project Title	Final Score
1	FR-22-4193	Development of multifunctional system for detection the treats from Explosions, Fires, Toxic gases and gamma and neutron Radiation	44
2	FR-22-4050	Coded Multidimensional Index Modulation for 6G Wireless Networks	43
3	FR-22-3656	New stochastic models in structural control of complex technical systems	40
4	FR-22-9018	Prediction and assessment of environmental impact of caused by earthquake disaster on cascade type hydroelectric generating complexes located in mountain gorges.	37

5	FR-22-9452	Continuous monitoring system for the condition of artificial transport structures	36
6	FR-22-17171	Identification of Non-stationary and Nonlinear Dynamic Systems	36
7	FR-22-11850	Electromagnetic band gap structures for high-frequency printed circuits	29
8	FR-22-17059	Remote Labs based on Internet of Things (IoT) technologies	29

1.8 Products and Processes Engineering

#	Project ID	Project Title	Final Score
1	FR-22-12949	Study of critical velocity and fire-induced back-layering to save lives in road tunnels.	44
2	FR-22-2857	Development of ecologically appropriate, waste-free technological process for treatment of oil-polluted waters	42
3	FR-22-1515	Study of the lower limbs of children with cerebral palsy and correction through the development of multifunctional orthopedic means	41
4	FR-22-161	Study of the processes of heat- and mass-transfer in the membrane systems for production of high-performance pervaporation apparatus	41

5	FR-22-12418	The Research of the Clothing of the Georgian Left Beyond the Borders of Georgia	41
6	FR-22-653	Forecasting of environmental characteristics of a piston hydrogen engine by 3D mathematical modeling of the turbulent flow and combustion processes	40
7	FR-22-7253	Development of technologies of healthy foods for the prevention of age-related diseases	39
8	FR-22-1428	Study of the production process of extruded products with a tissue structure based on protein-rich local raw materials.	39
9	FR-22-7737	Prediction of tribological properties of heavy loaded interacting surfaces on the basis of properties and degree of destruction of the third body	39
10	FR-22-8939	Experimental and Theoretical Study of Pumping Effect of Growing Bubble	39
11	FR-22-15977	Development of technologies of functional foods	38
12	FR-22-12105	The use of heat energy from the exhaust gases of a transport internal combustion engine to regulate the climate of the vehicle interior	38
13	FR-22-1080	Comprehensive research of the vibratory transport-technological processes and development of the designs of new, highly efficient machines and installations	38
14	FR-22-4104	Development of innovative technology for producing the functional lactic acid products on the basis of milk processing secondary raw materials	36

15	FR-22-388	Corrected Theory of Waves Motion on Currents and its Engineering Aspects	36
16	FR-22-24728	Development of technology for obtaining polyphenolic complexes from Georgian mountain bilberry and study of their biological activity	36
17	FR-22-12816	Study of the role of modifier CO ₂ in synthesis of mineral porous materials from local raw resources.	34
18	FR-22-2625	Biomedical Innovative studies for the treatment of cancer by the method of controlled local hyperthermia	34
19	FR-22-19653	Research of vibration effects on patient's health during transportation in difficult road conditions, taking into accounts the injury types and their severity on the human biodynamic model.	34
20	FR-22-1845	Investigation of dynamic processes developing under variable (cyclic attachment and detachment of the mass) technological loads in vibration machines	34
21	FR-22-28620	Intelligent System of Transport Mobility Organization	33
22	FR-22-9504	Development of the new technology of production of essential oils, pectin, vitamin P and food fibers from vegetative waste using of electro- and baromembrane processes	33
23	FR-22-5298	Obtaining high purity manganese sulfate monohydrate for lithium-ion batteries	32
24	FR-22-2993	Study of the Process of Making Black Tea with Improved Technological and Quality Indicators from Georgian Tea Raw Materials	32

25	FR-22-13884	Experimental study of stability for expected carbonization processes as a result of CO2 capturing from flue gases by clinoptilolite and utilization in cement/concrete	32
26	FR-22-1160	Study of multi-criteria optimal control of the freeze-drying process of fruit and berry product	31
27	FR-22-5365	Boric compounds in textile chemistry - Theoretical bases and practical application	31
28	FR-22-5408	Research of Sorption and Osmotic Processes for Production of Fertilizers of Prolonged Action	30
29	FR-22-4936	Modeling the shelf life and quality parameters of berries according to the storage technology, rheology and chemical composition of the fruits.	29
30	FR-22-8396	Development of theoretical foundations for forecasting technical and economic parameters of agricultural units and optimization of the troactor park taking into account mountain conditions	28
31	FR-22-24681	Development and Theoretical Study of the Minimum Complex of the Anti-Erosion, Tilling-Sowing Packaged-Combined and Crop Tending Machines for Strip Tilling	27
32	FR-22-12549	Study of joint operation modes of the autonomous energy systems based on renewable energy sources	26
33	FR-22-8946	Studying technological liquids of functional importance to enhance residual oil flow from productive layer.	26
34	FR-22-25509	Development of a new type of ropeway transport	23

35	FR-22-154	Development of theoretical foundations for calculating the reliability of agricultural machinery and innovative technological processes for its increase, taking into account the working conditions in Georgia	23
36	FR-22-3471	Some architectural solutions for renewable energy harvesting	22
37	FR-22-28244	Improving the driving efficiency of the vehicle and exploring the possibilities of converting oscillating energy into electrical energy	21
38	FR-22-12283	Research of nonlinear oscillations of tower buildings during impulse impact using finite element method	20
39	FR-22-16282	Numerical report of shell, polygonal, slab, foundations based on geotechnical algorithm of base-foundation.	19
40	FR-22-7191	“Development of a combined method of large units and its numerical realization for some practical problems”	18
41	FR-22-26614	Assessment of deterministic prediction of levels of damage to buildings during seismic impacts of different intensities	15

1.9 Universe Sciences

#	Project ID	Project Title	Final Score
1	FR-22-1712	Kinetic effects in plasmoid-induced magnetic reconnection and the generation of Alfvén/kinetic Alfvén waves in solar corona	44

2	FR-22-8920	Study of current physical processes in the chromosphere based on simultaneous observations	42
3	FR-22-7506	Flare chromosphere from multi-wavelength observations to radiative hydrodynamic models	42
4	FR-22-21777	The unique pulsar class, the X-ray Dim Isolated Neutron Stars.	41
5	FR-22-24663	Be star flares: the drivers for decretion disk formation?	40
6	FR-22-14240	Observations of GW sources' optical counterparts in the framework of GRANDMA collaboration	40
7	FR-22-3642	Non-standard mechanism of the cosmological recombination	38
8	FR-22-4886	Self-sustenance of coherent structures and turbulence in gaseous protoplanetary disks with different configurations	38
9	FR-22-2723	Multi-band Optical Support to Space and Ground-based Gamma-ray Observations	38
10	FR-22-5032	Spectropolarimetric study of magnetic field variation with chromospheric heights in solar spicules	36
11	FR-22-6096	Solar corona streamers and their connection to local magnetic fields in the lower solar atmosphere	36

12	FR-22-14991	A Novel Mechanism of Pair Creation in Pulsar Magnetospheres and consequent generation of pulsed emission.	36
13	FR-22-997	Biochemical adaptations of the extremophile microorganisms to the simulated Martian conditions and perspectives of the development of self-programmable space settlement agriculture.	36
14	FR-22-4182	Plasma jets in the solar atmosphere and the wind	35

1.10 Earth System Science

#	Project ID	Project Title	Final Score
1	FR-22-6666	Interdisciplinary study of fluid flow in porous material through multiphase numerical simulation and experiment	47
2	FR-22-19681	Volcanic facies architecture of lava flows and associated interflow horizons from Javakheti Volcanic Province (South Georgia)	46
3	FR-22-11295	Thermal controls on melting and metamorphism in the Greater Caucasus (within Georgia)	43
4	FR-22-4153	Visualization of the natural-resource and socio-economic potential of the area using modern web cartography methodology	43
5	FR-22-365	Development and improvement of a high-resolution regional forecasting system for the Georgian sector of the Black Sea to navigational and environmental safety	43

6	FR-22-2882	Study of climatic characteristics of the hazardous meteorological phenomena on the Territory of Georgia	43
7	FR-22-4765	Investigation of the distribution of PM2.5 and PM10 in the atmosphere of Kutaisi city by experimental observations and computer modelling	43
8	FR-22-3989	Historical landscapes of Samtskhe-Javakheti	42
9	FR-22-18445	Study of aeolian dust transport in Georgia and the impact of dust on some risky phenomena under conditions of regional climate change.	42
10	FR-22-488	Late Quaternary glacier-climate reconstructions in the Greater Caucasus	41
11	FR-22-4514	Alpine Fold Structure of the Greater Caucasus, Its Formation Mechanism and Geodynamics	40
12	FR-22-6115	Disaster risk reduction and climate resilience in Nature Based Solutions using in-situ, modeling and satellite data for Georgia sustainable development	40
13	FR-22-6903	Ichnology and Sedimentology of the Middle and Upper Eocene Sediments of the Trialeti Ridge (eastern Achara-Trialeti Fold and Thrust Belt, Georgia)	39
14	FR-22-8515	Radioecological characterization of the manganese deposit in Chiatura (West Georgia)	39
15	FR-22-27887	Geodynamics of the Eurasian and Africa-Arabian collision zone as exemplified by the South Caucasus and adjacent Areas	39

16	FR-22-10682	Evolution of the strain field accompanying earthquake and assessment of the hazard	38
17	FR-22-118	Innovative Digital Modeling of Karst Terrain in Georgia	38
18	FR-22-4988	Reconstruction of Georgian Glaciers	38
19	FR-22-21417	Methodology for Avoiding Catastrophic Floods Related to River Disturbances in the Tourist Zones of Georgia	37
20	FR-22-3238	Peculiarities and potential of new, unconventional gold ores of Georgia	37
21	FR-22-3965	Study of raw materials and production technology of old and new Qvevri	37
22	FR-22-9079	Determining of active faults and blind thrust faults underlying Tbilisi urban area using a combination of seismic reflection profiles, balanced cross-sections, and kinematic models	37
23	FR-22-10972	Protection of settlements with mountainous terrain from natural disasters in the Tbilisi example	36
24	FR-22-6560	Alpine Treeline Ecotone Dynamics in the Anthropocene: an Exemplary Survey in Georgia	36
25	FR-22-8132	Determination of The Radius of Dangerous Zone During Industrial Explosions	36

26	FR-22-22917	Study of climate and vegetation changes during the Holocene by means of lacustrine deposit analysis on the Javakheti Highland, reconstruction of paleo-environment corresponding to the Bronze Age Megalithic Culture	34
27	FR-22-11240	Impact of land use on soil health	34
28	FR-22-1173	Recommendations for the elimination of severe environmental problems of the Paliastomi Lake and its surrounding territories in the Colchis National Park caused by anthropogenic factors	34
29	FR-22-1183	Pre-Alpine Formations of the Khrami Crystalline Massif (the Caucasus): Petrology, Mineralogy, Geochemistry, Isotope Geochronology and Petrogenetic Model of Formation	33
30	FR-22-12635	Impact of Waste from Mining Enterprises on the Ecological Conjunction of the Surrounding Area	32
31	FR-22-2641	Evaluating the current state of the Kolkheti lowland reclamation network in the context of climate change	27
32	FR-22-4659	Hydrological research and touristic potential assessment of main lakes of Georgia	24

1.11 Materials Engineering

#	Project ID	Project Title	Final Score
1	FR-22-1498	Thermally Treated FeCrAl Alloys as Promising Metal-Ceramic Biomaterial for Osseointegrated Implantology	45

2	FR-22-4275	Calculation of thermodynamic parameters of the process of high-temperature thermochemical processing of plastic waste and obtaining high-tech nanostructured carbon	44
3	FR-22-7899	Self-assembly synthesis of magnetic nanowires with unique magnetic properties for rare earth free magnet applications	44
4	FR-22-12567	Development of Theoretical Bases and Technology for Producing New Class of the Neutralizer-Catalyzers by Innovative Method of Self-Propagation High-Temperature Synthesis	41
5	FR-22-13568	An Investigation into the Development of Broadband Antennae, Using a new method of Electroconductive Fields Generated by Laser irradiation of Polymers for application in Industry 4.0	41
6	FR-22-4068	Laws of Synthesis of Materials with Gradient Structure Based on High-Entropic Alloys	37
7	FR-22-27945	Research of Georgian-made basalt composite reinforcement and preparation of a standard	36
8	FR-22-2303	Composite Materials with New Fillers	35
9	FR-22-4918	Metal-polymer composites as prospective materials as a dynamic load suppressor and research of their resistance towards the shocking and blasting	35
10	FR-22-21990	Creation and study of nanoporous nanofibers for micro- and ultrafiltration of wine and natural water, research of the correlation of fluid viscosity and hydrogen bonds in hydrodynamic processes.	34
11	FR-22-3772	Geometry-induced quantum effects in group IV and group III-V semiconductor nanostructures	34

12	FR-22-8539	Development and research of innovative technology of new types of polymer composites with high thermal properties for tribotechnical purposes	34
13	FR-22-147	Impact of graphene and its derivatives on the thermoelectric performance of layered cobaltites	31
14	FR-22-3087	Liquid phase shock wave fabrication of silver-carbon composites	30
15	FR-22-18022	Creation study of nanofiltration nanoporous materials for natural water for hydrodynamic processes in terms of functional relationship between hydrogen bonds and surface tension in liquids	26
16	FR-22-14146	Multifunctional heteromodular nanocomposites in the B ₄ C-SiC-graphene-carbon fiber system for wear-resistant joints of nuclear reactors, diamond processing machines and materials resistant to aggressive media	22
17	FR-22-6430	Test-Design Development of Wind Energy Receiving Device	12

2.Life Sciences

2.1 Molecular Biology, Biochemistry, Biophysics, Structural Biology

#	Project ID	Project Title	Final Score
1	FR-22-6255	Nucleic acids quadruplexes for static and dynamic nanotechnologies	39

2	FR-22-19814	Study of phytochemical characteristics and anti-tumor potential of plants of the genus Cynanchum in Georgia	34
3	FR-22-3075	Natural Flavonoids as Targeted Modulators in Ischemia-Reperfusion injury: Molecular Mechanisms and Applications	32
4	FR-22-7419	Creation of different types of antimicrobial nanoparticles and determination of their effectiveness of action on bacteria and Candida microbes	27

2.2 Genetics, Epigenetics, Genomics, Other 'omics and Bioinformatics

#	Project ID	Project Title	Final Score
1	FR-22-2601	Identification of disease modifying factors and genotype-phenotype correlations in Cystic Fibrosis patients from Georgia	44
2	FR-22-14291	Use of genomic data to explore adaptive speciation in lizards	39
3	FR-22-3602	Epigenetic variability of heterochromatin in patients with Post-COVID-19 exacerbated disease	29
4	FR-22-2667	Study of polymorphism of genes associated with pulmonary tuberculosis and epigenetic parameters in individuals with tuberculosis in Georgian population	23

2.4 Physiology in Health, Disease and Ageing

#	Project ID	Project Title	Final Score
1	FR-22-6827	The aberrant expression of regulatory factors as the stimuli of oncogenesis	40
2	FR-22-877	The Role of Blood Flow and New Complex Diagnostic Approaches for patient treatment personification in Gastric Cancer	37
3	FR-22-6895	Study of correlations between sleep disturbances and pain sensation in patients with rheumatoid arthritis and type 2 diabetes mellitus	35

2.5 Neuroscience and Disorders of the Nervous System

#	Project ID	Project Title	Final Score
1	FR-22-21407	Incidence and Character of Sleep Disorders in the Georgian Population of Children and Adolescents with Autism Spectrum Disorder (ASD) – EEG/Polysomnography Study	47
2	FR-22-1991	Complex Study of Psychophysiological and Psychological Correlates in ADHD Children in Georgia	43
3	FR-22-8692	Recognition memory of visual imprinting in chicks: single nuclei transcriptome and circular RNA studies	43
4	FR-22-1319	Electric magnetic stimulation as the therapeutic tool to protect cognitive abilities after early postnatal chronic immobilization stress in female rats	41

5	FR-22-26152	Studying specific biomarkers of post-traumatic stress disorder associated fear memory in rodents.	41
6	FR-22-10650	Study of gender-specific behavioral, structural and molecular alterations across lifespan in an animal model of autism induced by prenatal exposure to valproic acid	40
7	FR-22-21658	Neurobiological, Physical Engineering and Computational Interdisciplinary Approaches for Spinal Cord Injury Restorative Therapy and Neuroprosthetics	39
8	FR-22-23874	Early screening of Neurodevelopmental Disorders and their comorbidities in Ajara region	38
9	FR-22-18714	Study of the role of 5-HT2A and 5-HT1A receptors on abnormal fear memory in animal models of post-traumatic stress disorder.	37
10	FR-22-861	The cardiotoxic steroid ouabain, Na,K-ATPase, aging	36
11	FR-22-4004	Behavioral consequences and neurobiological indices of social isolation stress in rats of different social status	36
12	FR-22-6997	Brain antioxidant system activity of rats in chronic informational stress and depression model	31
13	FR-22-20251	Cadmium and Its Neurotoxic Effects - Study of Brain Ultrastructural Changes	30
14	FR-22-4980	Heart rate variability biofeedback and anxiolytic effect of Radon hormesis in the rehabilitation of patients following covid-19	30

2.6 Immunity, Infection and Immunotherapy

#	Project ID	Project Title	Final Score
1	FR-22-18364	Study of pharmacokinetics and pharmacodynamics of bacteriophages with different morphotypes and specificity in the mouse model	43
2	FR-22-9689	CD180 toll-like receptor as a microenvironmental sensor in Chronic Lymphocytic Leukaemia (CLL)	41
3	FR-22-9581	Study of Pathogens Causing Surgical Site Infections and Bacteriophages as a Potential Approach of Treatment and Prevention of these Infections	36
4	FR-22-15572	Studying Clinical Presentations and Outcomes in Children with Covid-19 for Early Detection of Complications	26

2.7 Prevention, Diagnosis and Treatment of Human Diseases

#	Project ID	Project Title	Final Score
1	FR-22-1933	Strategic Planning of Human Resources for Health in Georgia	48
2	FR-22-6780	Zoonotic Tuberculosis in TB high-risk regions of Georgia	45
3	FR-22-15054	Study of the Behavioral Attitude of the Target Population and Primary Health Care professionals regarding the National Cancer Screening Program in Georgia.	44

4	FR-22-7437	Study of the potential of uro-phages in preventing development of antibiotic resistance in Urinary Tract Infections (UTIs)	42
5	FR-22-195	Development of the new infrared imaging method for avoiding of cancer recurrence after radical prostatectomy and partial nephrectomy	42
6	FR-22-402	Missing sustained virologic response (SVR) data among patients enrolled in HCV elimination program - barriers to assessment including COVID-19 pandemic's effects	40
7	FR-22-21528	Development of alcohol and opioid abuse related stroke biomarkers	40
8	FR-22-6704	The Role of Nurse Qualifications in Improving Patient Safety and Quality of Care	40
9	FR-22-16994	Prevalence and Genetic Diversity of <i>Dirofilaria</i> spp. in Eastern Georgia	36
10	FR-22-13465	Content of Zn, Se, Pb, Cd chemical elements in the body and their quantitative correlation with thyroid pathologies	35
11	FR-22-203	Development of New Type of Pharmaceutical Products for Prevention and Treatment of Iodine Deficiency and Radioactive Protection by Iodine	34
12	FR-22-19518	Detection of the correlation between SARS-CoV-2-induced hyperglycemic status and pathogenesis of the development of diabetes mellitus using diagnostic panels in patients with and without metabolic syndrome	33
13	FR-22-665	Phytochemical standardization of an anticonvulsive aqueous extract of <i>Cephalaria gigantea</i>	30

14	FR-22-4088	Identification of sources of lead exposure in children by lead isotope analysis	30
15	FR-22-16451	Development of an Alternative Approach to Determine the Ferritin Level in the Blood Serum on Samples of COVID19 patients	29
16	FR-22-1271	The Atlas of Medicinal Plants of Western Georgia	29
17	FR-22-22261	Study of Factual Data of Patient Dose Loading in Order to Determine Diagnostic Reference Levels in Georgia	27
18	FR-22-13026	Determination of physicochemical features and mechanism of antimicrobial action of liquids treated by a novel multiunit decontamination module	26
19	FR-22-19438	Long-term impacts of Covid-19 on Children's Health and Global Development after hospitalization	25
20	FR-22-21676	Predictive value of Systemic inflammatory markers, components of metabolic adaptation and visceral adipose tissue characteristics during the first trimester in the development of preeclampsia	24

2.8 Environmental Biology, Ecology, Evolution, Biodiversity

#	Project ID	Project Title	Final Score
1	FR-22-2855	Characterize the ecology and evolution of avian paramyxoviruses (APMV) in wild bird species' in Georgia	47
2	FR-22-4236	Development of innovative technologies for the valorization of plant raw materials and processing waste to reduce the negative impact on the environment using the principles of a circular economy	45

3	FR-22-1235	Hymenopteran Biodiversity in the Vashlovani National Park	43
4	FR-22-2188	Study of rare and relict forest species in Georgia and creation of an electronic database	42
5	FR-22-697	Monitoring and Management of Blueberry orchards in Georgia	41
6	FR-22-889	The phylogeography and genetic structure of the most widespread and ecologically essential forest tree species (<i>Fagus orientalis</i> Lipsky) in Georgia, South Caucasus	40
7	FR-22-4743	Assessment of Zhinvali Reservoir Ecosystem using Bioindicators	40
8	FR-22-7689	Barcoding of Georgia's Amphibians and Reptiles	40
9	FR-22-8634	Establishment of the National Management System of Plant Genetic Resources for Food and Agriculture (PGR) and their Sustainable Use	39
10	FR-22-23742	The phytosanitary Study of Conifers of Eastern Georgia Protected Areas and Risks Caused by Global Climate Change	38
11	FR-22-18122	Organic Agriculture Traditions in the Mountainous Regions of Georgia	38
12	FR-22-4094	Reconstruction of Neolithic and Bronze Age diet based on multidisciplinary research of archeological material excavated on the territory of Georgia	37

13	FR-22-1580	Revision and Barcoding of Encyrtidae and Aphelindiae recorded from Georgia	36
14	FR-22-26613	Development/Optimization of micropropagation technologies of endangered plants of Colchic forests	35
15	FR-22-1075	Search for new producers of industrially important enzymes and elucidation of the factors regulating their synthesis	35
16	FR-22-16367	Georgian Vineyard Soil Microbiome: regional distinctiveness through NGS technologies	34
17	FR-22-6246	Soil Bioremediation of Agricultural Lands Polluted by Chlorpyrifos-Containing Pesticides in Georgia	33
18	FR-22-4900	Development of nanocomposites of aflatoxin adsorbents based on plant residues	33
19	FR-22-6289	Determination of lead and other heavy metals in the water of Tbilisi and its surrounding lakes	33
20	FR-22-5407	Climate Changes impact on the bark beetles outbreaks and conifer forest sustainability	32
21	FR-22-20434	Identification of genetic resources of endemic grape varieties in Adjara region facing extinction, studying their biological characteristics, creation of the collection	31
22	FR-22-24484	Data Bases of Phylogenetic Resources and Ethnobotanical Skills of Useful Plants in Georgia and their Use in Livestock	31

23	FR-22-15245	The Use of Complete Mitochondrial DNA Research in the Study of Georgian Sheep and Goat Origin and Migration.	30
24	FR-22-28274	Possible plant alternatives to pesticides: Search and detection of phytoseptics against phytopathogens based on the study of antimicrobial action	30
25	FR-22-21354	Determination of biomass and carbon stocks sequestered in the ecosystems of protected areas of Georgia	30
26	FR-22-11706	Chemical and pharmacological study of therapeutic properties of Georgian mulberry varieties and forms	30
27	FR-22-12280	Adventive and invasive alien plant species in the flora of the river Chorokhi (South-West of Georgia) valley and creation of strategy against of them	29
28	FR-22-5728	Biodiversity of the invertebrate animals of the Tskaltubo region	22

2.9 Biotechnology and Biosystems Engineering

#	Project ID	Project Title	Final Score
1	FR-22-3307	Characterizing the microorganisms decontamination efficiency of plasma activated water	49
2	FR-22-6966	Quantitative and qualitative evaluation of phenolic compounds of wheat processed with laser biotechnology in order to make a health-improving drug.	44
3	FR-22-352	Evaluation and Optimization of Antioxidant and Anticancer Potential of Submerged Cultures of Georgian Mushrooms	43

4	FR-22-2178	Study of pests and diseases spread in Adjara-Guria citrus plantations and creation of pathogens collection	43
5	FR-22-6630	Isolation of <i>Saccharomyces cerevisiae</i> pure yeast strain for appellation of origin (AO) wines produced from Saperavi Vine variety on the territory of Georgia and to study specific properties for their industrial usage	43
6	FR-22-18172	Keratinolytic Activity of Georgian Basidiomycetes: Biodiversity and Physiological Regulation of Production	42
7	FR-22-1612	The impact of heat and chemical stresses on the production of lignocellulose-degrading enzymes by selected basidiomycetes	41
8	FR-22-4020	Elaboration of technologies for obtaining hydrolytic enzymes of microbial origin (xylanase, β -galactosidase) and protein-rich microbial biomass in order to create an enzymatic production in Georgia.	39
9	FR-22-10756	Study of genetic diversity of phytoplasmas associated with grapevine yellows (GY) and support of certificate program of planting materials according to EPPO standard in Georgia	38
10	FR-22-12287	Production of prebiotic, dietary food supplements from artichoke tubers (<i>Helianthus tuberosum</i> L.) through optimizing technological processes	38
11	FR-22-26186	Development of technologies for producing innovative snacks using subtropical and other local raw material	38
12	FR-22-321	The development of biological control to the new invasive species, the spotted-wing drosophila, <i>Drosophila suzukii</i> in agroecosystems of Georgia.	37
13	FR-22-5341	New ecologically safe composition of insect-acaricidal action against pests of grapes	37

14	FR-22-3829	Development of biotechnological approaches for remediation of water polluted with heavy metals (lead, copper, arsenic)	35
15	FR-22-4846	Long-term preservation of mulberry silkworm (<i>Bombyx mori</i>) reproductive bodies of Georgian breeds by the new method	34
16	FR-22-10142	Scientific Basis of Georgian (Colchian) Bio Wine Production via Innovative Technology	32
17	FR-22-1137	Composting based on halophilic microorganisms - a new strategy for recovery of soils degraded by secondary salinization	32
18	FR-22-22266	Development of environmentally sustainable technologies in viticulture	30
19	FR-22-11239	Improving the ecological condition of the soil with natural resources of Georgia	28
20	FR-22-8818	Improving the productivity of low-fertile agricultural lands in the Adjara coastal zone by introducing ecologically safe, highly efficient technologies in farms	24

3. Social Sciences and Humanities

3.1 Economics, Finance, Management

#	Project ID	Project Title	Final Score
1	FR-22-4093	„Environmental, Social and Governance Indicators of Sustainability Reporting: An Emerging Country Context“	46

2	FR-22-3713	Specifics of corporate governance determinants and its impact on firm efficiency in Georgia	41
3	FR-22-14505	Implementing Circular Business Models in Georgia's Agricultural Sector (Case of Wine Industry)	41
4	FR-22-261	The Impact of Institutional Distance on the International Opportunity Recognition and Development of Georgian SMEs	41
5	FR-22-497	Competitiveness of Black Sea Accommodation Facilities in Georgia and Prospects for its Improvement	40
6	FR-22-19215	Improving energy security management in Georgia	39
7	FR-22-8699	Assessment of Georgia's agricultural potential and possible prospects by statistical methods	35
8	FR-22-12162	Assessing and Forecasting the Consequences of Economic Policies	34
9	FR-22-9722	Income inequality and economic growth	33
10	FR-22-19199	Econometric-statistical modeling of business sector activity in a regional prism	32
11	FR-22-19657	Directions for increasing the use of Georgia's transport-transit potential, considering further integration and transposition into the European Union	30

12	FR-22-372	Sociocultural determinants of EU countries business environment and problems of legal regulation in the post-pandemic period	25
13	FR-22-1241	Modern Challenges of Georgia's Investment Attractiveness and Investment Policy: Models and Technologies	20

3.2 Political science, Governance and Law

#	Project ID	Project Title	Final Score
1	FR-22-4466	Georgian Competition Law and Policy in the times of the Digital Economy	48
2	FR-22-6735	Application of machine learning (artificial intelligence) in analyzing foreign policy narratives and predicting their impact on political decision-making	42
3	FR-22-13066	Georgian Wine Law -Challenge and Perspective of Georgian Wine Economy	38
4	FR-22-10033	“Public Administration of the Future” - Functional Privatization and Innovative Modernization of Public Governance	38
5	FR-22-4937	Diverse and Dynamic of "Self" and "Other" Categories in Georgian Political Discourse	36
6	FR-22-6670	Religious conflicts in Georgia and preventive measures	35
7	FR-22-1299	Study of Compliance of Georgian Investment and Corporate Legal Regulations with EU Standards Regarding the Protection of the Investment Made by a Foreign Investor	33

8	FR-22-872	The main aspects of the demographic policy of modern Georgia.	33
9	FR-22-17480	Association with EU and European Studies Support in Georgia	32
10	FR-22-17978	Peacebuilding: Theory and Practice on the Example of the South Caucasus Countries.	32
11	FR-22-27040	Staying Private or Going Public? Rethinking the Advantages of Equity Financing	29

3.3 Sociology, Anthropology, Education Sciences, Communication

#	Project ID	Project Title	Final Score
1	FR-22-7764	Why do people get impoverished from health spending, when the universal health care program covers 90% of the population?	47
2	FR-22-9547	From Fairy tales to Economic Awareness	45
3	FR-22-5616	Femicide, Gender and Violence: Systematic Approach	45
4	FR-22-5790	Relevance of Science Education_Second (ROSES)	45
5	FR-22-1686	Internationalization of research in Georgia (1991-2021) and its influence on the academic activity of the faculty	44

6	FR-22-6797	Inclusive Higher education in the context of sustainable development – central theoretical concepts through cross-case analysis internationally (Georgia and Sweden)	44
7	FR-22-8261	Support of Psychosocial service effectiveness	44
8	FR-22-21892	Society in an Age of Transition: Social Structure of Contemporary Georgia	44
9	FR-22-26190	School related gender-based violence at school and pre-school level: case of Kakheti region	43
10	FR-22-15319	The exploration of regularities associated with returnees' (former immigrants') readaptive experiences to heritage society after living abroad	43
11	FR-22-7675	Extrospective-self communication: a multimodal inquiry of biofeedback self-regulation of emotion	40
12	FR-22-13486	Values and Knowledge Education to foster integration of ethnic minorities	40
13	FR-22-3792	General methods for solving the mathematical Olympiad and school problems	38
14	FR-22-20899	Overeducation and Labor Market Mismatch in Georgia: Challenges and Ways for their Reduction	36
15	FR-22-16660	Integration of international students at Georgian Higher Educational Institutions and their civic participation: challenges and avenues of development	34

16	FR-22-769	New Testament parallel passages within Bible (In Georgian)	30
17	FR-22-1986	Stranger among Friends: Closed communities in Adjara and integration problems in the period of globalization, Reality and prospects	27
18	FR-22-21390	The Challenges Connected with the Integration of Dagestanis Living in Kakheti into the Georgian Society (Considering Their Language and Social Competences)	21
19	FR-22-4223	Woman and family in Samtskhe-Javakheti	15

3.4 Psychology, Linguistics, Philosophy

#	Project ID	Project Title	Final Score
1	FR-22-20496	Georgian morphosyntactic computational analysis and tools for the annotation of universal syntactic dependencies	47
2	FR-22-21517	Sociolinguistic Picture of Georgia in the Press of the Georgian Emigrants of the First Half of XX Century	46
3	FR-22-13344	Tbilisi Manuscript of the Medieval Persian Lexicographical Work - "baḥru l-faḍā'il fī manāfi", i l-"afāḍil" (XIV century) - Scientific Apparatus edition	41
4	FR-22-23491	War, Trauma and Displacement: How to Deal with an Ambiguous Loss	41
5	FR-22-479	Laz-Megrelian Grammar, II. Syntactic analysis of the simple sentence	40

6	FR-22-17108	Posttraumatic Growth or Posttraumatic Distress: The Role of the Behavioral, Affective and Cognitive Factors in Trauma Coping	39
7	FR-22-17208	The Mythological Paradigm of Catastrophes and its Philosophical Models	36
8	FR-22-2166	A study of the phonetic, grammatical, and semantic aspects of language acquisition in children aged 1-4,5 years	35
9	FR-22-12658	Psychological well-being, health and ageing	35
10	FR-22-5504	Georgian Language - Etymological Studies (indigenous, unborrowed stock)	35
11	FR-22-119	The linguistic adjustment of economic, law and strategic fields in Spanish-Georgian glossary.	35
12	FR-22-5232	Standardization of Georgian Multidisciplinary Terms (Based on Georgian Term Bank)	34
13	FR-22-4987	Fereidianian Phrazeologisms with Typological Analysis in connection with Persian	32
14	FR-22-22423	Glossing texts of Caucasian languages (Abkhazian, Avar, Udi) spread in Georgia	25
15	FR-22-12478	Linguistic knowledge base for the Georgian language	25

16	FR-22-5567	Development of Tourism Discourse in Batumi from the Beginning of the XX Century to the Present	22
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3.5 Literary studies, cultural studies, study of the arts

#	Project ID	Project Title	Final Score
1	FR-22-6782	Landscape Planning and Garden Design in Georgia (1801-1918)	48
2	FR-22-8174	Implementation of Ecomusicology Research Methodology for the Study of the Georgian Music Ecosystem	47
3	FR-22-793	The Representation of the Soviet Past in the Georgian Prose Fiction of the Post-Soviet Era	46
4	FR-22-2778	Study of problems related to the fallen and/or detached wall paintings and development of the methodological approach for their protection	46
5	FR-22-14626	Multidisciplinary study of medieval chased icons from Simon Janashia Museum of Georgia	45
6	FR-22-9186	Typology of Caucasian Folklore	43
7	FR-22-5636	Research of the genres of Georgian folk music	42

8	FR-22-2849	Tbel Abuserisdze Digital – Biligual Semantic Edition	41
9	FR-22-7901	Continuity of Georgian Book Culture Tradition - Relationship between Manuscripts and Early Printed Books	40
10	FR-22-673	Old Georgian translations of St. John of Damascus' dogmatic-polemical writings (According to St. Arsen Ikaltoeli's "Dogmatikon")	40
11	FR-22-3636	The French in Georgia and the Reflection of French Literature in Georgian Cultural Space (from 1921 to 1991)	39
12	FR-22-16362	Integrated Research of Georgian Easel Portraiture of 18th – 19th Centuries	39
13	FR-22-2514	Shakespeare in Georgia (Translations, Studies and Staging History)	38
14	FR-22-227	Gender and social aspects' interdisciplinary study on the territory of ancient and middle ages Georgia	37
15	FR-22-13089	Scholarly Edition of the Georgian Scientist-Historians' Epistolary Legacy (Volumes III-IV)	36
16	FR-22-10098	The Shemokmedi Monastery (Historical and Artistic Study)	36
17	FR-22-1619	Georgian Hymnography (X-XIII Century) – Publication of the Texts and Research	34

18	FR-22-3549	Integrated Study of Construction Materials of Historical-Architectural Heritage of Georgia, Establishment of Negative Impact of Environment Conditions Change on Them and Elaboration of Long-term Protection Mechanisms	33
19	FR-22-14637	Ethnocultural heritage revived by the artistic creativity	33
20	FR-22-5693	Young Cultures and Subcultures in Georgian Literature	32
21	FR-22-6739	Old Georgian Literary Traditions in the Creative Works of the Georgian Writers of the 60-ies of the XIX Century) (Ilia Chavchavadze, Akaki Tsereteli, Vaja-Pshavela)	25
22	FR-22-12802	The Amazon Myth and the Stages of its Transformation	21
23	FR-22-862	Rustvelian Heliocentrism and its relationship with the XII century astrological manuscript "For the Chariots and the Seven Steller's"	15

3.6 Archaeology and history

#	Project ID	Project Title	Final Score
1	FR-22-8768	Kvemo Kartli - Southern Gate of the Kingdom of Iberia in the Classical and Middle Ages (According to the archaeological sites from the Middle Kura Valley and written sources)	47
2	FR-22-1720	Issues of relationships between the state and church in medieval Georgia (6th – 18th c.)	46

3	FR-22-9832	Deportation of the Poles to Georgia and Polish-Georgian Geopolitical Cooperation (1830-1921)	46
4	FR-22-12278	Administrative Governance of Historical South-West Georgia (1878-1921)	45
5	FR-22-24246	Corpus of documents about Georgia stored in the National Library of Russia	45
6	FR-22-18207	Khada Gorge – Interdisciplinary study of unknown spiritual and material cultural heritage monuments	45
7	FR-22-3915	Diet and oral health in agricultural and pastoral populations in IV-III Millennium BC, Georgia, South Caucasus	45
8	FR-22-117	The Kingdom of Egrisi in the 1st-8th centuries AD – A multidisciplinary study	45
9	FR-22-272	Georgia at the Crossroads of Empires: Politics, Society, Time, Narratives of Georgian Integration	44
10	FR-22-20715	Upheavals and adaptations in the transitional period from Early to Middle Bronze Age in the south Caucasus: Based on material culture and environmental evidence from Rabati settlement, south-west Georgia	44
11	FR-22-2916	Georgia as part of the Transcaucasian Federation - its internal administrative-territorial and republican borders in 1922-1936.	43
12	FR-22-11335	Monuments of cultural heritage preserved in the western part of historical Tzanika: fortification constructions, churches, samples of communication and household architecture	40

13	FR-22-12536	Roman coins from the lower basin of the river Chorokhi	38
14	FR-22-6806	Archaeological facts from Grakliani Gora and aspects of interdisciplinary study	37
15	FR-22-6399	Dissident movements and national identity in Georgia (1921-1991)	36
16	FR-22-10950	The Ancient City of Nekresi (Georgia) in The Late Antique Period and Early Middle Ages	35
17	FR-22-1976	Georgia - XX century	34
18	FR-22-13137	Early Holocene period sites of Kintrishi gorge	34
19	FR-22-5062	The Numismatic Dictionary of South-Western Georgia (Ajara)	33
20	FR-22-870	Georgia in the Fifteenth Century European World	33
21	FR-22-6411	Education and Culture of Ethnic Minorities in the Democratic Republic of Georgia (1918-1921)	28

3.7 Human Geography, Demography, Territorial Planning

#	Project ID	Project Title	Final Score
1	FR-22-8223	Rural Settlements in Racha: Spatio-Temporal Changes and Modern Problems (Human Geographical Research)	39
2	FR-22-13722	Optimization of Georgian Road Transport System in The Context of Electromobility with Regard to European Integration	19

4. Georgian Studies

4.1 Georgian Language, Abkhazian Language and Diversity of Kartvelian Languages

#	Project ID	Project Title	Final Score
1	FR-22-254	The Georgian Sign Language Nominal Morphology	48
2	FR-22-7056	"Ethno-Linguistic Aspects of Svan Religious Vocabulary"	47
3	FR-22-21464	Practical grammar of Megrelian and Laz	47
4	FR-22-5180	Linguistic repertoire of Georgian Jews: migrations, language competencies and hierarchies	46
5	FR-22-11520	Tense, Aspect and Aktionsart in Georgian in Terms of Verbal and Compositional Aspect Theory	42

6	FR-22-2741	Address Systems in Megrelian and Laz	40
7	FR-22-9197	The Kartvelian Verb: Morphosyntactic Analysis	38
8	FR-22-18782	Morphemic Dictionary of the Svan Language (I – Elision Constructions) According to the Discourse of Kodorian IDPs	37

4.2 Georgian Literature, Art and Culture

#	Project ID	Project Title	Final Score
1	FR-22-7504	Holy Week Chants in Georgian Church Tradition	48
2	FR-22-10840	Building mortar as one of the main factors of sustainability of architectural monuments in Georgia	45
3	FR-22-2598	Study of the factors of formation and planning of traditional clothes of ethnic, religious and national minorities in Georgia	43
4	FR-22-23656	Representation of the Black Sea Space in Georgian Literary and Historical Writing	42
5	FR-22-3010	Literary Heritage of Georgian Emigrant Writers in Europe: Worldview and Cultural Identity (1920s-30s)	41
6	FR-22-120	Original Basilica-type architecture in Georgia: History of a three-church basilica from the 6th to the 17th C	40

7	FR-22-6230	Updatable Bilingual Electronic Encyclopedic Dictionary of Georgian Traditional (folk) Music	38
8	FR-22-4488	The Reflection of Rustaveli and Nizami in Contemporary Literature and Art	38
9	FR-22-13181	Georgia and Antioch	37
10	FR-22-10618	Masters of the Medieval Georgian Illuminated Manuscripts	36
11	FR-22-10492	Folklore in Sociolinguistic Context: Traditional Georgian Oral Narratives and Contemporary Modifications	32
12	FR-22-6315	Georgian Original and Translated Hymnography in the Byzantine Culture Context	30
13	FR-22-3434	The Representation and importance of the past in the development and formation of Georgian artistic modern ceramics	30
14	FR-22-7162	History of the Georgian Costume, its Retrospective Panorama in Graphic Illustrations and Reconstruction into Museum Samples	30
15	FR-22-7685	Cross Revealing in Georgian Folklore and Ecclesiastical Literature	26
16	FR-22-18806	Georgian translation- tradition and innovation in the historical context	25

17	FR-22-21056	Georgian Cultural Diversity	23
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4.3 History, Archeology, Ethnology and National Identity of Georgia

#	Project ID	Project Title	Final Score
1	FR-22-1932	Morphological and genetic polymorphism by the surnames of Samegrelo	49
2	FR-22-253	Georgia and the UK in the late 19th c: Based on the Personal Correspondence between Marjory and Oliver Wardrop (Publication and Georgian Translation of the Letters)	46
3	FR-22-23398	Bilingual catalog of material cultural monuments of historical Meskheta	43
4	FR-22-2330	Village of Abkhazia in the XIX-XX centuries (historical and ethnological study)	43
5	FR-22-21090	Repressions on Religious Grounds in Soviet Georgia (According to the MIA Archives)	43
6	FR-22-20757	Epigraphic Corpus of Shida Kartli	42
7	FR-22-25440	Political and diplomatic missions of the Georgian ecclesiastics in Europe and Russia (XV-XVIII centuries)	42
8	FR-22-4224	The Evolution of Georgian-Ossetian Coexistence from 1917 to the Present: Representation of History	42

9	FR-22-16983	Georgians in safavid Iran. Iranian Element in the 16-18 ts centuries Kartli-kakheti (Documental Sources Edition and Research)	41
10	FR-22-12564	Immaterial cultural heritage of Adjara	41
11	FR-22-4519	Foreign Sources About Georgia in the XVI-XIX Centuries (English and Italian cartographic samples, rare editions and traveler's records)	41
12	FR-22-2421	Erekle II's Relation with Ottoman Empire in 80-90s of the 18th Century (Foreign Policy Opposite to the Terms of Treaty of Georgievsk); Publication of Historical Documents about Georgian-Ottoman Relations Preserved in The Presidency of the republic of Turkey Directorate of State Ottoman Archives	40
13	FR-22-5258	Potskhovi: Monuments of Georgian material and spiritual cultural heritage	40
14	FR-22-21000	History preserved in memory (Soviet repressions in Ajara in1951-52)	40
15	FR-22-10568	Georgia Between Muslim World and Eurasian Steppe (Political and Economic Relations in the 7th-10th Centuries)	40
16	FR-22-28358	Religious Diversity of Post-Soviet Georgia	38
17	FR-22-11586	A Study of twelve centuries long weapons-armor in the Foothills and Highlands of Eastern Georgia (Ammunition of Aragvi Gorge Warriors in the VI c B.C –VI c. A.D)	37
18	FR-22-1939	Georgian Identity in the Nineteenth Century. Representation of History of National Consolidation according to Literary Fiction	37

19	FR-22-6482	Europe and the phenomenon of Giorgi Saakadze	35
20	FR-22-9503	Research of Georgian Footwear in Iconographic-Ethnographic artifacts in Order to Study and Illustrate the Evolution of Construction	35
21	FR-22-23005	Fundamental Research on Bishop Gabriel's (Kikodze) deeds in the context of national identity	35
22	FR-22-17396	Online English-Georgian Catalogue of Georgian Numismatics. Appendix (New Coin Findings from Georgia)	34
23	FR-22-3987	Wine in Georgian and Greek Texts and Rituals (a Comparative Approach from Antiquity to Date)	34
24	FR-22-11558	Interdisciplinary Research of the Covers of Manuscripts and Early Printed Books (Monograph in Georgian and English Languages)	34
25	FR-22-9531	Ethnology of Shavsheti-Imerkhevi	33
26	FR-22-4666	Georgian Memory of the Black Sea Littoral of Turkey	32
27	FR-22-11647	The Highland Population of Georgia in the 19-th Century German Sources	30
28	FR-22-26576	A Comprehensive Study of Natural and Cultural Heritage Sites of Gareji Wilderness	30

29	FR-22-4237	Multidisciplinary research of numismatic monuments preserved in the Gori Museum (Political-economic, archeological and ethnological aspects. 5th century BC - 19th century AD).	30
30	FR-22-1809	The Last Thirty Years and Independent Georgian Society in the Discourse of Statesmanship	28
31	FR-22-8963	Modern Paradigms of National Identity in Writing Discourse – Unified National Examination in Georgian Language and Literature	23

4.4 Geography and Demography of Georgia

#	Project ID	Project Title	Final Score
1	FR-22-529	Online Cartographic Catalog and Geographical - cartometrical Research of 5-Verst Map	45
2	FR-22-15881	Fundamentals of Medical Geography of Georgia	31
3	FR-22-13542	Ecological Culture of The Mountain Population of Georgia	30

4.5 Georgian Governance Systems and International Relations

#	Project ID	Project Title	Final Score
1	FR-22-27746	Variety of Good Governance Implementation Mechanisms in Hybrid Democracies - Example of Regulatory Impact Assessment (RIA) Application in Georgia	43

2	FR-22-17466	Georgia between the West and Russia: The Dynamic of Public Discourse in the Light of the Russian-Ukrainian War	42
3	FR-22-23998	Protection of labor rights and opportunities to improve employment policy in Georgia	42
4	FR-22-18848	Georgia and European Free Trade Association: The Potential for Trade and Economic Cooperation	41
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