

**Proposals selected for the second stage of the Call**

<b>N</b>	<b>Project ID</b>	<b>Project title</b>	<b>Host institution</b>
1	AR18_106	Complex prolong-acting zeolitic fertilizer obtained by nanotechnology	Ivane Javakhishvili Tbilisi State University
2	AR18_107	Obtaining of new structural reactor materials, containing nano- and ultradisperse particles, by high-temperature electrochemical method	Ivane Javakhishvili Tbilisi State University
3	AR18_111	Plasma arc reactor for nanopowder production	Ivane Javakhishvili Tbilisi State University, E.Andronikashvili Institute of Physics
4	AR18_112	Elaboration of efficient catalysts of CO - oxidation and their use in ecology	Ivane Javakhishvili Tbilisi State University
5	AR18_115	Obtaining and studying of biologically active products from the tissue of the human placenta, the creation of various dosage forms for practical medicine	Tbilisi State Medical University, V.Bakhutashvili Institute of Medical Biotechnology
6	AR18_117	Manufacture of pilot samples of wind small power plants with application of basalt fibers, installation, test, determination of operational parameters	Georgian Technical University
7	AR18_119	Obtaining of boron carbide-based nanostructured heterophase ceramic materials and products with improved performance characteristics	LEPL – Ferdinand Tavadze Institute of Metallurgy and Materials Science
8	AR18_120	The development of a new high efficient diamond-composite material and its production technology	Georgian Technical University
9	AR18_123	Assessment of Modern Debris Flow against Construction Effectiveness and Reliability on the example of River Mletiskhevi Debris Flow Way	Georgian Technical University
10	AR18_129	Producing the Neutralizer-Catalyzers for Vehicle Exhaust Treatment by Method of Self-Propagation High-Temperature Synthesis	Akaki Tsereteli State University
11	AR18_135	A new type of conical wind turbine with provision of spatial equilibrium	Business incubator for internships, advanced training and employment of forcibly displaced persons from Abkhazia
12	AR18_136	Robotic system for tea picking	Technical University of Georgia, Institute of Cybernetics. V. Chavchanidze, Applied Systems Division
13	AR18_137	Turbojet engine with foreign bodies avoiding module	Georgian Aviation University
14	AR18_151	Creation of an innovative equipment of magnetron sputtering in vacuum and making of decorative coatings on household objects	LEPL Institute OPTICA
15	AR18_159	Modification of Clayey Rocks of Georgia, to Fillers and Aggregates for Superstable to the Natural Disaster and Energy Efficient Concretes and Porous Wares	LEPL Levan Samkharauli National Forensics Bureau, Kiriak Zavriev Center (Department) of Structural Mechanics, Earthquake Engineering and Expertize.
16	AR18_161	Construction of differential Atomic-Absorption Spectrometer and studying its characteristics	E. Andronikashvili Institute of Physics of Iv. Javakhishvili Tbilisi State University
17	AR18_164	Development of utilization technology for manganese mining-enrichment production waste	Ivane Javakhishvili Tbilisi State University
18	AR18_167	Elaboration of Freon’s plasma-chemical recycling device and creation of its industrial prototype	Georgian Technical University
19	AR18_170	Developing Technologies for Producing Innovative Gluten-Free Foods with High Biological Value	Akaki Tsereteli State University
20	AR18_172	Development of Polyclonal Immunoglobulin for the Treatment of the Complicated Staphylococcal Infections	G. Eliava Institute of Bacteriophage, Microbiology and Virology
21	AR18_174	Innovative engineering -ecological measures for water erosion control at mountain slopes	Ivane Javakhishvili Tbilisi State University

22	AR18_178	Obtaining waterproofing materials, highly effective penetrant and other products via non-waste processing of some industrial and oil residues	Ivane Javakhishvili Tbilisi State University
23	AR18_183	Nano Atomic-Molecular Optical Study and Analysis of Blood of Healthy, Diseased with Non-Cancer and Cancer People, Identification of Markers and Early Detection of the Risk-Factor in Oncohematology	Ivane Javakhishvili Tbilisi State University, E.Andronikashvili Institute of Physics
24	AR18_199	Laser rangefinder	LEPL Institute Optica
25	AR18_207	Supercapacitors based on polymer electrodes doped with carbon nanostructures	Ilia Vekua Sukhumi Institute of Physics and Technology
26	AR18_208	Highly effective, environmentally less hazardous composition for protection of grapes against pests and diseases	Ivane Javakhishvili Tbilisi State University
27	AR18_210	Development of a new type resonator with controllable Q-factor for the maximizing of laser efficiency	LEPL Sukhumi Ilia Vekua Institute of Physics and Technology
28	AR18_218	Insectoacaricidal composition of prolonged action against zoophilous flies	Ivane Javakhishvili Tbilisi State University
29	AR18_224	Development of novel technologies for synthesis of new single-dimensional nanomaterials and producing/testing of high-sensitive UV photodetectors and toxic gas sensors	Ivane Javakhishvili Tbilisi State University
30	AR18_229	Rapid Thermal Processing research of Silicon based materials for development of innovative Solar cells, as well as GaN transistors, diodes and GaN based optical short distance Datacom; Creation of Georgian PV and Semiconductor R&D Center	Georgian Technical University
31	AR18_238	Fabrication, Investigation and Performance of Novel, Nanostructured Tungsten-Based Alloys with Improved Physical and Mechanical Properties	LEPL Ferdinand Tavadze Metallurgy and Materials Science Institute
32	AR18_254	Mudflow regulating elastic barrage	Ts. Mirtskhulava Water Management Institute of Georgian Technical University