

Applied Research Grants Program

The Firts Stage Evaluation

Results

#	SRNSFG ID	Project Title	Everage Score
1	CARYS-19-1548	Pilot-scale production of lignin-modifying enzymes for economic benefits and environmental protection in Georgia	43,5
2	CARYS-19-2329	Development of the innovative manufacturing technology for production of natural pigments on a base of local raw material and the outcomes commercialization	37
3	CARYS-19-284	Development and Testing of Innovative Highly Efficient Technology for Comprehensive Processing of Solid Secondary Raw Materials	36,5
4	CARYS-19-626	Regional distribution of Leptospira spp. in Georgia and health burden assessment	36
5	CARYS-19-2268	New probiotics of spore-forming Bacillus replacing antibiotic in poultry and rabbit nutrition	36
6	CARYS-19-972	The Milk Whey Processing Reagentless Technology Using Bipolar Electrodialysis	34,5
7	CARYS-19-668	Mining Waste Complex Research and Development of Technologies for Their Use	34
8	CARYS-19-674	Creation of laboratory prototype of continuous-action drying-adsorbing apparatus, and development of (CO ₂ ,SO _x ,NO _x) catching-utilization technology from burnt gases using zeolites.	34
9	CARYS-19-297	Development of new method of optical spectrometry of viruses (SPECTROVIR – 1)	33,5
10	CARYS-19-573	Develop and manage innovative bioagrotechnology to protect the environment from global pollution and increase crop yields	33,5
11	CARYS-19-1832	Innovative Cryostat for Studying High-temperature Superconductors	33
12	CARYS-19-2345	The Recuperative Suspension of Vehicle with Regeneration of Energy of Driving Gear	33
13	CARYS-19-378	Phage Pastilles for prevention and treatment of oral cavity and upper respiratory tract infections	32,5
14	CARYS-19-588	Decrease of the environment pollution by the vibrations, noise, friction modifiers and wear nano-products of the train wheels, rails and friction brakes	32,5
15	CARYS-19-675	Development of high-performance calcium cobaltite thermoelectric materials through doping and nanoengineering	32,5

16	CARYS-19-2736	Study of social-economic aspects of (Georgian) endemic mulberry breeds cultivation for sericulture and pharmacology	32,5
17	CARYS-19-218	Demonstrating various configurations of semiconductor junctions through nanograting technique	32
18	CARYS-19-315	Developing of electromagnetic interference shielding materials based on new polymer composites to minimize electromagnetic radiation of electronic devices, wires and coaxial cables	32
19	CARYS-19-976	Evaluation of therapeutic effect of magnetic nanoparticles functionalized with antitumor drug on breast cancer cells	31,5
20	CARYS-19-099	Usage of colloidal gunpowder released from utilized ammunition in the mining industry	31
21	CARYS-19-333	Design and development of highly directive and wideband EBG leaky-wave antennas at mm-Waves for 5G communications	31
22	CARYS-19-359	Improvement of unique economic characteristics of mulberry silkworm breeds for revival of Georgian silk	31
23	CARYS-19-836	Development of shock resistant and biodegradable polymeric composites and provision of a technology transfer	30,5
24	CARYS-19-1025	Safety, efficacy and commercialization of a pilot batch of new plant protection products	30,5
25	CARYS-19-2367	Georgian Capital Market Operational Roadmap	30,5
26	CARYS-19-1227	Development, attempt to introduce and transfer of innovative technology and equipment for management of blood flow of heart-lung-bypass machines using digitalization	30
27	CARYS-19-593	Development of Georgian speech recognition application	29,5
28	CARYS-19-442	Bactericidal zeolite fillers for paper production	29
29	CARYS-19-280	Implementation of Innovative Georadiolocation Methods for Identification of Underground Water Horizons at the Examples of Marneuli and David Gareji Regions	28,5
30	CARYS-19-615	Technology of functional foods	28,5
31	CARYS-19-179	Development of diagnostic and remedial biotechnologies to clean up arsenic-contaminated environment in Georgia	28
32	CARYS-19-305	Innovative complex anti-snow avalanche measure	28
33	CARYS-19-329	Georgian Studies - Georgianistika (Database -Economics)	28

34	CARYS-19-1704	Installation of a pilot thermal water treatment plant from toxic compounds and development of improved environmentally friendly technology of process	28
35	CARYS-19-2109	Patient Data Management in Healthcare System	27,5
36	CARYS-19-106	Development of Energy Management System (EMS) by Smart Controller for Connecting Microgenerators to the Electrical Distribution Network and Consumers	27
37	CARYS-19-158	Innovative Technologies of Production of Ceramic Construction Products from Alluvium of Shale Accumulated in the Riverbed of Duruji River near Kvareli	27
38	CARYS-19-326	“Establishing the First P2P Trading Platform for the Georgian Stock Exchange”	27
39	CARYS-19-363	Alternative to Antibiotics – New Phytobiotic For Poultry	27
40	CARYS-19-802	Obtaining valuable boron-containing master alloy from iron-containing waste and cheap boron-containing raw materials	27
41	CARYS-19-821	Development of a Methodology for Analysis and Accounting of Absorbing Dust and External Particles in Aircraft Gas Turbine Engines	27
42	CARYS-19-796	Development of innovative technology for obtaining new generation glues	26,5
43	CARYS-19-1287	Georgian Language Processing API	26,5
44	CARYS-19-2692	Development of the polymer composites with high exploitation properties on the base of residual polymers and Georgian minerals, making trial samples of merchandise	26,5
45	CARYS-19-121	Cyber incident response platform for 5G cellular networks	26
46	CARYS-19-638	Computer system supporting the design and evaluation of educational programs	26
47	CARYS-19-2035	Allergen analysis in genetically modified plants by PCR coupled DNA-chip	26
48	CARYS-19-912	Scientific Research Collaborative Laboratory (“SRCL”) focused on the productive activities of the educational, scientific, public and private sectors.	25,5
49	CARYS-19-114	The computer modeling of debris flow events and development of new anti-debris flow engineering technology on the example of the river Devdoraki and Amali Ravine	25
50	CARYS-19-927	Elaboration of electroless technology for production of TiO ₂ -Ni photocatalytic coatings and their application for creation of portable water purification system.	25

51	CARYS-19-574	Development of bread technology enriched with functional preparations and its impact on the human body	24,5
52	CARYS-19-1075	Modeling the long-term results of lead exposure (Pb) and the study of the effectiveness and safety of the preventive composition (Sakpatent N 15015/2)	24,5
53	CARYS-19-502	High anti-blastoma effect innovative technology was developed. Apparatus created by us was tested on patients in clinic for treating by "Cancerthermia" method Received high results. The anti-cancer mono therapeutic effect and adjuvant action was proved in polychemotherapy.	24
54	CARYS-19-311	New type, environmentally safe and inexpensive polyurethane fire-protective covers	23,5
55	CARYS-19-409	Study of solar energy on the territory of Georgia	23,5
56	CARYS-19-975	Development of technology for meat products enriched with functional preparations and its impact on humans body	23
57	CARYS-19-1972	Delivery of calcium nanoparticles to calcium-deficient sites through the skin and determination their treat effectiveness	22,5
58	CARYS-19-623	Innovative portable device for hydrovacuum dispersion of metals and production of metal powders	22
59	CARYS-19-1080	Development of rapid test for acute infection diagnostic	21,5
60	CARYS-19-1279	An I n d e x of the Electronic Etymological Dictionary of the Kartvelian languages (Database in Georgian and English)	21,5
61	CARYS-19-278	Development of innovative technology for obtaining biodegradable polymers based on renewable natural material for environment protection	21
62	CARYS-19-281	Design of automatically controlled vertical wind turbine for enhancement of Georgian energetic and agriculture potential	21
63	CARYS-19-1232	Tea root system grinding machine	21
64	CARYS-19-225	Cryogenic method of protecting beaches	20,5
65	CARYS-19-1291	Development of innovative technology of the network of buoyant hydro technical constructions for coastal protection for the purpose of commercial realization	20
66	CARYS-19-2454	Development of manufacturing model for anti-tumor chemical preparation sensibilator (SNP) suspension	19,5
67	CARYS-19-2199	Production of multi-functional bacterial biofertilizers	17,5
68	CARYS-19-969	Isolation of bioflavonoids from apple and grape varieties distributed in Georgia and use as feed additives	16,5