2022 Call for Applied Research State Grants Ranking Lists in accrodance with the research type

I. Ranking List for the Proof of Concept type research

	Project ID	Project Title	Host Institution	I Stage	II Stage	
#				Evaluation	Evaluation	Final Score
	AR-22-470	Parette acutaining graph and / coronia	Coordina Took sign! Haironsiku			
1	AK-22-470	Borates-containing graphene/ceramic thermoelectric composites — a step toward	Georgian Technical University			
		commercialization		17	35	52
2	AR-22-1998	Wine Microfiltration (MF) and Water	Georgian Technical University			
		Ultrafiltration (UF) Flat Sheet Industrial Membrane Unit		15	36	51
				15	36	51
3	AR-22-2048	Household Spiral-Type Membrane Unit for	Georgian Technical University			
	AN 22 2040	Dead-End and Tangential Water	deorgian recrimear oniversity			
		Ultrafiltration		15	32	47
4	AR-22-636	Multiplex PCR technology for detection of oil	Ilia State University			
		crops		14	33	47
5	AR-22-610	Production of paper with bactericidal and	Ivane Javakhishvili Tbilisi State			
		improved surface properties	University			
				17	29	46
6	AR-22-1908	Turbulent micro-HPP with siphon water intake	Akaki Tsereteli State University			
				14	31	45
7	AR-22-3264	Electricity receiving power air turbine device	Akaki Tsereteli State University			
				40	20	44
				12	32	44
	AD 22 4445	Donahastian of multifun it at the state of	LEDI C Tankakida Afrik			
8	AR-22-1445	Production of multifunctional metal-polymer laminate with high mechanical characteristics	LEPL G.Tsulukidze Mining Institute			
		and determination of technological		15	28	43
		parameters				
9	AR-22-2439	Obtaining the catalyst neutralizer of exhaust	Akaki Tsereteli State University			
		gases by self-propagation high-temperature synthesis		15	27	42
		-,		15	21	42
10	AR-22-2204	Prediction and improvement of operational	Raphiel Dvali Institute of			
		properties of the train wheels and brakes	Machine Mechanics			
				13	29	42

11	AR-22-1730	The method of cement production to clean flue gases from (CO2, SOx, NOx), before emission into the atmosphere by passing through a clinophthylolite sorber, to determine the applicability by experimenting	Georgian Technical University	14	27	41
12	AR-22-2017	Natural Zeolite-Based Sorbents for CO2 Capture, concept formulation for the technological idea of synthesis, use, and utilization; Determination of applicability and confirmation by laboratory experiments	Georgian Technical University	13	27	40
13	AR-22-668	Real-time rolling stock identification systems	Georgian Technical University	15	24	39
14	AR-22-1234	River paddle hydropower plant	LEPL- Teaching University- Batumi State Maritime Academy	13	26	39
15	AR-22-1494	Local bentonites and Bacillus probiotic as a new adsorbent of heavy metals in rabbit and broiler feed	Agricultural University of Georgia	13	26	39
16	AR-22-571	Development of a new metal and energy- saving technology of obtaining high-precision tubes	Raphiel Dvali Institute of Machine Mechanics	13	23	36

II. Ranking List for the Pilot research

#	Project ID	Project Title	Host Institution	l Stage Evaluation	II Stage Evaluation	Final Score
1	AR-22-955	Development of consolidated material containing of ceramic nanostructure and preparation of pilot samples based on Ti-B-N system	Ferdinand Tavadze Institute of Metallurgy and Materials Science	16	34	50
2	AR-22-3166	Pilot-level validation and commercialization of technologies for the production of probiotic preparations and polysaccharide hydrolases for economic benefit and environmental protection in Georgia	Agricultural University of Georgia	16	33	49
3	AR-22-2370	Pilot study of solar powered sustainable pesticide-free technology for export oriented bio-organic wine production by Georgian small and medium size wine producers	Georgian Technical University	18	30	48
4	AR-22-1672	Development of new green tea energy-saving machine technology and testing in real environment	Agricultural University of Georgia	16	30	46
5	AR-22-476	Increasing the aircrafts flight safety using a protective net system on gas turbine engines	Georgian Aviation University	17	28	45
6	AR-22-3231	Method of cement production - modification of zeolitic tuff by sorption capture of (CO2, SOx, NOx) during drying with flue gases, validation of its use as a cement additive, industrially grinding together with clinker,	Georgian Technical University	16	28	44
7	AR-22-2064	Complex mineral additive for concretes, validation of production - suitability by testing in an industrial environment	Georgian Technical University	16	26	42
8	AR-22-1411	"Obtaining composite (layered) materials from less compatible metal pairs (ironaluminum, titanium-aluminum) on the basis of aluminum alloys by Ingotless Rolling method	Ferdinand Tavadze Institute of Metallurgy and Materials Science	14	25	39
9	AR-22-621	Creation of a flexible small production site for the production of stair lifts for Persons with disabilities	Georgian Technical University	14	24	38
10	AR-22-1783	Development of industrial technology of plant analogues of sour-milk preventive-purpose products	Akaki Tsereteli State University	12	26	38
11	AR-22-959	Vertical parking for four places	Georgian Technical University	19	18	37

III. Ranking List for the Implementation research

#	Project ID	Project Title	Host Institution	l Stage Evaluation	II Stage Evaluation	Final Score
1	AR-22-1495	Unified Device for Hydro-Vacuum Dispersion of Melts to produce Various Types of Activated Powders	Raphiel Dvali Institute of Machine Mechanics	19	31	50
2	AR-22-509	Implementation of Low Emission Innovative Technology for Efficient Use of Local Fuel	Georgian Technical University	18	32	50
3	AR-22-3114	PowerPhage™ – Sustainable Alternative to Antibiotics in livestock production	Non-Entrepreneurial (Non- commercial) Legal Person Union Biochimpharm	18	31	49
4	AR-22-2210	Production of phage pastilles	G. Eliava Institute of Bacteriophages, Microbiology and Virology	16	31	47
5	AR-22-848	Introduction of new food technologies by creating complete production electrodialysis equipment for the normalization of milk whey	Akaki Tsereteli State University	13	32	45
6	AR-22-1686	Production of Polyvalent Bacteriophage Preparation for Prevention and Treatment of Polyetiological Salmonella Infections in Poultry	G. Eliava Institute of Bacteriophages, Microbiology and Virology	14	19	33
7	AR-22-2533	Researching the possibilities of multi- functional use of solar modules and creating a mini-enterprise to demonstrate their effectiveness in real operating conditions	Georgian Technical University	12	21	33