

2022 call Applied Research State Grants

Winner Projects

#	Project ID	Project Title	Host Institution	Partner Organization
1	AR-22-470	Borates-containing graphene/ceramic thermoelectric composites — a step toward commercialization	Georgian Technical University	
2	AR-22-1998	Wine Microfiltration (MF) and Water Ultrafiltration (UF) Flat Sheet Industrial Membrane Unit	Georgian Technical University	
3	AR-22-1495	Unified Device for Hydro-Vacuum Dispersion of Melts to produce Various Types of Activated Powders	Raphiel Dvali Institute of Machine Mechanics	Geo Enterprise Llc
4	AR-22-509	Implementation of Low Emission Innovative Technology for Efficient Use of Local Fuel	Georgian Technical University	T-Energy
5	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	
6	AR-22-3114	PowerPhage™ – Sustainable Alternative to Antibiotics in livestock production	Non-Entrepreneurial (Non-commercial) Legal Person Union	JSC BioChimPharm
7	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	AromaAmbra
8	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	
9	AR-22-2210	Production of phage pastilles	G. Eliava Institute of Bacteriophages, Microbiology and Virology	Eliava BioPreparations
10	AR-22-2048	Household Spiral-Type Membrane Unit for Dead-End and Tangential Water Ultrafiltration	Georgian Technical University	
11	AR-22-636	Multiplex PCR technology for detection of oil crops	Ilia State University	
12	AR-22-610	Production of paper with bactericidal and improved surface properties	Ivane Javakhishvili Tbilisi State University	
13	AR-22-1672	Development of new green tea energy-saving machine technology and testing in real environment	Agricultural University of Georgia	LTD Agrofarm+
14	AR-22-476	Increasing the aircrafts flight safety using a protective net system on gas turbine engines	Georgian Aviation University	Jsc Tbilisi Aircraft Manufacturing
15	AR-22-1908	Turbulent micro-HPP with siphon water intake	Akaki Tsereteli State University	
16	AR-22-3231	Method of cement production - modification of zeolitic tuff by sorption capture of (CO ₂ , SO _x , NO _x) during drying with flue gases, validation of its use as a cement additive, industrially grinding together with clinker, gypsum, testing in an accredited laboratory	Georgian Technical University	Evrocement

17	AR-22-3264	Electricity receiving power air turbine device	Akaki Tsereteli State University	
18	AR-22-1445	Production of multifunctional metal-polymer laminate with high mechanical characteristics and determination of technological parameters	LEPL G.Tsulukidze Mining Institute	
19	AR-22-2064	Complex mineral additive for concretes, validation of production - suitability by testing in an industrial environment	Georgian Technical University	LTD „Iberia Cement“
20	AR-22-2439	Obtaining the catalyst neutralizer of exhaust gases by self-propagation high-temperature synthesis	Akaki Tsereteli State University	
21	AR-22-2204	Prediction and improvement of operational properties of the train wheels and brakes	Raphiel Dvali Institute of Machine Mechanics	
22	AR-22-1730	The method of cement production to clean flue gases from (CO ₂ , SO _x , NO _x), before emission into the atmosphere by passing through a clinophthylolite sorber, to determine the applicability by experimenting in a laboratory environment, to prove the concept	Georgian Technical University	
23	AR-22-2017	Natural Zeolite-Based Sorbents for CO ₂ Capture, concept formulation for the technological idea of synthesis, use, and utilization; Determination of applicability and confirmation by laboratory experiments	Georgian Technical University	
24	AR-22-668	Real-time rolling stock identification systems	Georgian Technical University	
25	AR-22-1411	"Obtaining composite (layered) materials from less compatible metal pairs (iron-aluminum, titanium-aluminum) on the basis of aluminum alloys by Ingotless Rolling method	Ferdinand Tavadze Institute of Metallurgy and Materials Science	
26	AR-22-621	Creation of a flexible small production site for the production of stair lifts for Persons with disabilities	Georgian Technical University	