

Winner Projects of State Science Grants Competition for Applied Research in 2015

N	Project code	Project title	Grant recipient	Key personnel	Leading Organization	Financing organization	Research fields
1	AR/176/3-220/14	Georgian national costumes study for the processing of illustrated directory and samples	Dolidze Nino	Ugrekheldze Irina, Datuashvili Merabi, Lursmanashvili Lia, Charkviani Irine, Chirgadze Ketevani	Akaki Tsereteli State University	Akaki Tsereteli State University	3
2	AR/22/3-109/14	Measures of stabilization of geomorphological processes at the mouths of the rivers Rioni and Engury eaturaries and hydrodynamic methods of their calculation	Saghinadze Ivane	Gagoshidze Shalva	Akaki Tsereteli State University	Akaki Tsereteli State University	3
3	AR/40/9-250/14	Development, Investigation and Application of Crop Tending and Harvester Farming Machines Complex for Minimal Tilling of Soils	Samadashvili Alberti	Lomidze Aleksandre, Modebadze Tarieli	Akaki Tsereteli State University	Exotics	9
4	AR/109/1-20/14	Description and Digitalization of the Manuscripts of Literature Museum	Ghadua Ia	Tvalavidze Tea, Kiknadze Nani, Kipiani Marina	Giorgi Leonidze State Museum of Georgian Literature	Giorgi Leonidze State Museum of Georgian Literature	1
5	AR/62/3-180/14	Production of industrial explosive substances on the basis of the powders and solid rocket fuel released from the utilization of the expired ammunition.	Supatashvili Daviti	Khomeriki Daviti, Apriashvili Aleksandre, Kuchukhidze Zurabi, Khachidze Roberti	Grigol Tsulukidze Mining Institute	სსიპ „Delta“	3
6	AR/10/3-171/14	A novel method of hydrogen production from sodium hypophosphite for fuel cell feeding and development of new type direct O₂-NaH₂PO₂ fuel cell	Gorelishvili Giorgi	Nikoleishvili Paata, Tsurtsunia Gigla, Kveselava Valentina, Koiava Nana, Kurtanidze Rusudani	Tbilisi Ivane Javakhsishvili State University	Tbilisi Ivane Javakhsishvili State University	3
7	AR/220/9-120/14	Modern Methodics for Realisation of Joint Problem of Coastal Protection and Hydroenergetic	Machavariani Lia	Metreveli Giorgi, Tsivtsivadze Nodari	Tbilisi Ivane Javakhsishvili State University	Tbilisi Ivane Javakhsishvili State University	9

8	AR/243/2-132/14	Caucasian-Georgian dictionaries with linguistic comments, index and grammatical studies	Lolua Romani	Ardoteli Nodari, Azmaiparashvili Levani, Machavariani Nana, Fareulidze Rostomi, Shengelia Vazha	Tbilisi Ivane Javakhishvili State University	Tbilisi Ivane Javakhishvili State University	2
9	AR/121/3-170/14	Elaboration, manufacturing and large-scale testing of ecologically safe electrolytic bath of new structure and of increased capacity on the basis of modern electrode and structural materials with co-preparation of manganese dioxide and hydrogen from Georg	Chakhunashvili Temuri	Kebadze Zhiuli, Rokva Teimurazi	Tbilisi Ivane Javakhishvili State University	Tbilisi Ivane Javakhishvili State University	3
10	AR/126/3-250/14	Production of TiO₂ Photocatalytic Nanopowders Coated with Magnetic and Silver Nanoclusters for Practical Applications in Hydrogen Energetic and Ecology	Gegechkori Tatiana	Zedgenidze Tinatini, Nadareishvili Malkhazi, Gventsadze Daviti, Chikvaidze Eduard	Tbilisi Ivane Javakhishvili State University	Tbilisi Ivane Javakhishvili State University	3
11	AR/198/9-240/14	Investigation of atmospheric deposition of heavy metals in Georgia using moss biomonitoring and physical analytical techniques	Kalabegishvili Tamazi	Kirkiseli Elene, Tughushi Lela, Ginturi Eteri, Murusidze Ivane, Shetekauri Shamili, Barnaveli Nana	Tbilisi Ivane Javakhishvili State University	Tbilisi Ivane Javakhishvili State University	9
12	AR/15/2-120/14	Georgian idioms and proverbs database (with their English, Russian, German, French, Turkish and Arabic equivalents)	Ruseishvili Manana	Dolidze Rusudan, Lortkipanidze Ketevani, Cheishvili Tatiana, Kvantaliani Marine, Tumanishvili Khatuna, Mujiri Sopia, Akhalaia Nato	Tbilisi Ivane Javakhishvili State University	Tbilisi Ivane Javakhishvili State University	2
13	AR/26/5-111/14	The New Model of Vehicle Routes Planning in Extreme and Uncertain Environment	Ghvaberidze Bezhani	Sirbiladze Gia, Matsaberidze Bidzina, Sikharulidze Ana	Tbilisi Ivane Javakhishvili State University	Tbilisi Ivane Javakhishvili State University	5
14	AR/117/9-150/14	The use of natural stones in monumental architectural buildings restoration-construction	Geleishvili Vazha	Machavariani Otari, Tkemaladze Muradi	Tbilisi Ivane Javakhishvili State University	Tbilisi Ivane Javakhishvili State University	9
15	AR/207/2-130/14	Online Catalogue of Greek Inscriptions in Georgia	Gordeziani Levani	Chotalishvili Lela, Fifia Natia, Darchia irine, Zhorzholiani Ana	Tbilisi Ivane Javakhishvili State University	Tbilisi Ivane Javakhishvili State University	2
16	AR/238/2-105/14	Archaeological Encyclopaedic Dictionary of Stone Tools	Tushabrishvili Nikoloz	Mamiashvili Vazha, Gabekhadze Bachana	Ilia State University	Ilia State University	2
17	AR/232/4-110/14	University nanosatellite - Development of satellite technologies in Georgia	Veshapidze Giorgi	Davit Kvavadze	Ilia State University	Ilia State University	4

18	AR/106/7-280/14	Development and commercialization of low cost and competitive technologies of spore-forming probiotics production	Elisashvili Vladimeri	Kachlishvili Eva, Khardziani Tamari, Berikashvili Violeta, Khutsishvili-Maisuradze Maiko	Agricultural University of Georgia (Tbilisi)	Agricultural University of Georgia (Tbilisi)	7
19	AR/165/10-110/14	Working out the Scheme of Application (Technology) of Mycotoxins' Adsorbent-Askangel in Poultry Feed for the Purpose of Detoxication	Chkuaseli Amrosi	Khutsishvili-Maisuradze Maiko, Chagelishvili Atvandili	Agricultural University of Georgia (Tbilisi)	Agricultural University of Georgia (Tbilisi)	10
20	AR/100/10-130/14	Biotechnology of Domestic Probiotic Preparation and Prospects of its Introduction in Poultry Farmin	Amiranashvili Lia	Gegelidze Nino, Kirtadze Enguri, Makaradze Levani, Varsimashvili Khatuna, Tinikashvili Lela, Tolordava Lana, Gamkrelidze Mariami	Agricultural University of Georgia (Tbilisi)	Agricultural University of Georgia (Tbilisi)	10
21	AR/31/8-314/14	Near Infrared Irradiation Based Novel Medical Device for Visualization and Diagnostics of the Prostate Cancer at the Early Stage of its Development	Partsvania Besarioni	Sulaberidze Tamazi, Shoshiashvili Levani, Fonjavidze Nino, Tsintsadze Omari, Khuskivadze Aleksandre, Chubinidze Ketevani	Georgian Technical University (Tbilisi)	Georgian Technical University (Tbilisi)	8
22	AR/84/4-105/14	Georgian Word Net Compiler – GeWordNet	Lortkipanidze Liana	Javashvili Nino, Chikoidze Giorgi, Chutkerashvili Ana, Samsonadze Liana, Amirezashvili Nino, Gegechkori Meri	Georgian Technical University (Tbilisi)	Georgian Technical University (Tbilisi)	4
23	AR/209/6-120/14	Development of universal polarization-holographic spectro-polarimeter for studying astronomical objects	Kilosanidze Barbara	Kakauridze Giorgi, Chaganava Irakli, Kulijanishvili Vazha, Kvernadze Teimurazi, Kurkhuli Giorgi, Khutsishvili Davit	Georgian Technical University (Tbilisi)	Georgian Technical University (Tbilisi)	6
24	AR/122/4-105/14	One More Step Towards Georgian Talking Self-Developing Intellectual Corpus	Pkhakadze Konstantine	Chikvinidze Merabi, Chichua Giorgi	Georgian Technical University (Tbilisi)	Georgian Technical University (Tbilisi)	4
25	AR/147/3-103/14	Elaboration of a New Energy Saving Technology with the Purpose of Solving the Problems of Supplying the Urban Territories in the Arid Zone of the Mountainous Regions of Georgia with Drinking Water	Tevzadze Tarkhani	Omsarashvili Giorgi, Lortkipanidze Feride	Georgian Technical University (Tbilisi)	Georgian Technical University (Tbilisi)	3
26	AR/222/3-171/14	Thermal-Powered Diaphragm Pump for Autonomous Solar Water Heating System: Development of Pre-Production Model	Machavariani Evtikhi	Rusishvili Jondo, Gigineishvili Giorgi, Shekrladze Daviti	Georgian Technical University (Tbilisi)	Georgian Technical University (Tbilisi)	3

27	AR/102/3-121/14	The processing technology of new, highly refractory materials for lining the high-temperature zones of concrete and metallurgical furnaces	Nizharadze Natela	Tabatadze Gulnazi, Mshvildadze Maia, Balakhashvili Maia	Georgian Technical University (Tbilisi)	Georgian Technical University (Tbilisi), factory of refractory ware	3
28	AR/137/3-170/14	Inovative Green Alternative on the Example of Georgia _determination of Design Performance for Wind and Solar Energy Multipler Power Plants	Jamarjashvili Vazha	Pataraiia Raul	Georgian Technical University (Tbilisi)	Georgian Technical University (Tbilisi)	3
29	AR/74/3-120/14	"Investigation of the Composite Materials Reinforced by Basalt Fibers, Fabrication High-Pressure Bottles and Wind Rotors"	Shvangiradze Merabi	Batsikadze Iosebi, Gerkeuli Tengizi, Butskhrikidze Daviti, Bakradze Nana	Georgian Technical University (Tbilisi)	Georgian Technical University (Tbilisi)	3
30	AR/111/3-122/14	Creation of the New Methodology Based World-Class 3D Stereoscopic Competitive Aggregate	Loladze Givi	Cheishvili Teimurazi	Georgian Technical University (Tbilisi)	Georgian Technical University (Tbilisi)	3
31	AR/47/3-120/14	Carriers for transportation of disabled persons	Janikashvili Mikheili	Tavkhelidze Daviti, Kiria Vazha, Ghviniashvili Zviadi	Georgian Technical University (Tbilisi)	Georgian Technical University (Tbilisi)	3
32	AR/167/3-121/14	Development of Ion-implanted Materials With Improved Mechanical Features For Manufacturing Items With Increased Operation Parameter	Guldamashvili Anzori	Kadaria Marina, nadaria Iuri, Nebieridze Tsira, Sanaia Ekaterine, Sichinava Avtandili	Ilia Vekua Sokhumi Institute of Physics and Technology	State Military Scientific-Technical Center Delta	3
33	AR/218/1-10/14	Tao-Klarjeti. History and Culture (Scientific popular guide book in Georgian, English and Turkish languages)	Saitidze Gocha	Gagoshidze Giorgi, Batiashvili Zurabi, Cheishvili Giorgi, Burchuladze Nina, Gviashvili Irine	LEPL National Center of Manuscripts	LEPL National Center of Manuscripts	1
34	AR/175/1-20/14	Catalogue of the Georgian Palimphsests	Kajaia Lamara	Khositashvili Irma, Mirotadze Natia, Guledani Tsitsino, Gafrindashvili Khatuna	LEPL National Center of Manuscripts	LEPL National Center of Manuscripts	1
35	AR/189/10-160/14	Adjara-Guria Mandarin Orchards Relevant Conditions Studying and Modern Technologies Implementation for their Rehabilitation	Khalvashvi Neli	Meskhidze Avtandili, Baratashvili Daviti, Lominadze Shota, Kamadadze Dali, Kedelidze Nino	Shota Rustaveli State University	LTD Farm House"	10

Scientific Fields																			
1	Georgian studies	2	Humanities, Economics and social sciences	3	Engineering and high technologies	4	Information technologies,telecommunications	5	Matemathical sciences	6	Chemical and physical sciences	7	Life sciences	8	Medical sciences	9	Earth sciences and environment	10	Agricultural sciences