

Grants received from Rustaveli Scientific Fund by years

2013

#	Grants #	Total Budget (GEL)	Grant Period	Name of the grant	Faculty / Department or Research Institute / Division	Names of academic / scientific personnel / scholars involved in the project
1	3	5	7	9	10	11
1	31/74 (Fundamental) FR/142/3-109/12	93000	25/04/2013 24/04/2015	Hydro ecological characteristic of the rivers of the Achara region of the Black Sea basin and the ways of preservation of natural hydrological regime of their solid discharge	104 Department, Faculty of Civil Engineering	1.Zurabi Danelia -Scientific supervisor; 2. Nazi(Tsitso) Goliadze- main researcher
2	31/24 (Fundamental) FR/378/5-101/12	50000	15/04/2013 14/04/2014	Some topics of the theory of dynamical systems	Faculty of Informatics and Control Systems	1. Givi Giorgadze-Scientific supervisor; 2 .Gogi Pantsulaia -Main researcher; 3. Aleks Kirtadze-Main researcher
3	31/66 (Fundamental)	98595	25/04/2013 24/04/2015	Georgia in medieval European World	Faculty of Engineering Economics, Media Technologies and Social Sciencesv	1.Zurab Gamezardashvili, Scientific supervisor; 2.Murman Papashvili-Main participant; 3.Bejan Javakhia-Main participant;4. Khatuna Chapichadze-Main participant.

4	31/42 (Fundamental)	150000	15/04/2013 14/04/2016	Study of localized plastic areas and plastic zones caused by low cycle fatigue deformation of martensitic Cr structural steels used in nuclear power engineering and industry	Faculty of Informatics and Control Systems, Department of Engineering Physics	1.Tamaz Eterashvili -Scientific supervisor; Researchers: 2.Manana Vardosanidze; 3.Teimuraz Dzigrashvili 4.Besarion Eristavi
5	31/72 (Fundamental) FR/161/9-180/12	150000	25/04/2013 24/04/2016	Methodology of rivers coast line vulnerability assessment taking into consideration the risk of freshets	Mirtskhulava Water Management Institute	1.Gamarli Dokhnadze -Scientific supervisor; 2. Davit Kereselidze- Research Scientist.
6	31/25 (Fundamental) FR/74/5-100/12	150000	15/04/2013 14/04/2016	Some modifications of the notions of measurability of sets and functions and their applications	Faculty of Informatics and Control Systems, Department of Mathematics.	1.Gogi Pantsulaia- Scientific supervisor; 2.Alexander Kharazishvili- Investigator; 3. Aleks Kirtadze- Investigator; 4. Mariam Beriashvili- Investigator
7	31/70 (Fundamental) FR/362/4-105/12	100 000	25/04/2013 24/04/2015	Foundations of Logical Grammar of Georgian Language and Its Application in Information Technology	Scientific-educational center of Georgian language technology	1.Konstantine Pkhakadze- Scientific supervisor; 2. Merab Chikvinidze- Investigator; 3. Aleksandre Maskharashvili - Investigator; 4. Giorgi Chichua -Investigator; 5. Nino durglishvili- Investigator

8	31/65 (Fundamental) FR/362/4-105/12	148680	25/04/2013 24/04/2016	Georgian Word Net Compiler – GeWordNet	Archil Eliashvili Institute of Management Systems	1. George Chikoidze -Scientific supervisor; Principal Investigators: 2. Elisabed Dokvadze; 3. Nino Javashvili; 4. Liana Samsonadze; 5. Nino Amirezashvili; 6. Meri Gegechkori; 7. Ana Chutkerashvili; 8. Lamara Margvelani- Consultant
9	30/01 (Applied) AR/200/9-250/12	170500	15/04/2013 14/04/2015	Vulnerability Assessment of the Sensitive Sections appeared as a result of Ecocide in resort Borjomi valley caused by Russia (2008 Year) and Development of effective strategy against Degradation of Soil	Institute of Water Management, Department of Environmental and Environmental Ecology	1. Goga Chakhaia- Scientific supervisor; 2. Shalva Bosikashvili -Project Coordinator; 3. Zurab Varazashvili -Engineer Geologist
10	30/21 (Applied) AR/321/3-195/12	196000	15/04/2013 14/04/2015	Efficient Technologies for Producing Diamond Composite Materials Used in Drilling and Civil Engineering	Faculty of Chemical Technology and Metallurgy	1. Nikoloz Loladze -Scientific supervisor; 2. Medea Tserodze -Researcher, Project meneger; 3. Shota Tserodze- Researcher; 4. Nodari Maisuradze -Researcher; 5. Zurab Avalishvili- Researcher

11	30/22 (Applied) AR/321/3-195/12	204000	15/04/2013 14/04/2015	Development of an innovative real-time polarimetric device for determining the stressed state distribution in different constructions and components	Laboratory of holographic recording and processing of information, V. Chavchanidze Institute of Cybernetics	1. Nikoloz Loladze -Scientific supervisor; 2. Medea Tserodze Researcher, Proget manager; 3 .Shota Tserodze, Researcher; 4. Nodari Maisuradze, Researcher; 5. Zurab Avalishvili, Researcher
12	30/26 (Applied) AR/347/3-120/12	196000	25/04/2013 24/04/2015	Working out of the rational technologies and devices for the processing of the clinical nutrition vegetable raw material	Faculty of Transportation and Mechanical Engineering	1 .Tamazi Megrelidze- Scientific supervisor; 2.Givi gugulashvili- leader scientist; 3.Vitali Gvachliani -leader sqientist; 4. Eter Sadagashvili-leader scientist
13	30/27 (Applied) AR/375/3-171/12	197520	25/04/2013 24/04/2015	Processing of organic waste for producing of industrial energetic hydrocarbons	Department of Engineering Physics, Faculty of Informatics and Control Systems	1.Archil Chirakadze- Principal Investigator; 2. David Bibiluri- Senior Researcher; 3. Levan Shariqadze -Senior Researcher; 4. Zakaria Buachidze- Senior Researcher; 5. Ioseb Batsikadze- Senior Researcher
14	30/17 (Applied) AR/182/3-102/12	239038	15/04/2013 14/04/2015	Coevolutionary Method of Heat and Cold Supply for The Black Sea coast of Georgia	Energy and Telecommunications Scientific-Technical Center. Faculty of Power Engineering and Telecommunication	1. Vazha Jamarjashvili -Scientific supervisor; 2. Merab Lordkipanidze- Project manager; 3. Givi Tumanishvili -Coordinator

15	30/30 (Applied)	206400	25/04/2013 24/04/2015	Functionally graded polymeric materials of a new type and optical elements on their basis	V. Chavchanidze Institute of Cybernetics	1. levani nadareishvili- Principal Investigator; 2. Nona Topuridze -Investigator; 3. Tariel Ebralidze -Investigator; 4. Ineza PavleniShvili -Investigator; 5. Tamar Nakaidze- Iinvestigator
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2014

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1	3	5	7	9	10	11
16	AR/48/3-100/13 (Applied)	240000	04/04/2014- 03/04/2016	The New Series of Waterproof Roller Compacted Concretes and their Application in Dam Construction Industry	Laboratory, Faculty of Construction, Study, Research and Expert	1. Archil Motsonelidze- Scientific supervisor, PhD; 2. Vitali Dvalishvili- Project Manager, PhD; 3. Natia Tabatadze- Leading Specialist, Master; 4. Nino Bakhtadze- Leading Specialist, Master; 5. Leontina Galdava- Leading Specialist

17	AR/166/3-200/13 (Applied)	240000	04/04/2014- 03/04/2016	Development of ceolites modification technology by indirect electrochemical reduction and oxidation method	Faculty of Chemical Technology and Metallurgy	<ul style="list-style-type: none"> 1. Jemal Shengelia -Scientific supervisor, Doctor of technical Sciences; 2. Tamaz Agladze- Leading Scientist, Doctor of Chemical Sciences; 3. Marine Donadze- Research Scientist, PhD; 4. Maia Gabrichidze- Research Scientist, PhD; 5. Shalva kikabidze -Research Scientist, Master; 6. Archil Benashvili -Research Scientist, Master. 7. Levan Beriashvili -Scientist, PhD
18	AR/96/3-250/13 (Applied)	199800	04/04/2014- 03/04/2016	Continuous production line for synthesis of modified magnetic nanoparticles.	Department of the Computer Engineering Elements and Nanomaterials, V. Chavchanidze Institute of Cybernetics	<ul style="list-style-type: none"> 1. Shalva Kekutia -Scientific supervisor, Doctor; main researchers: 2. Vladimer Mikelashvili; 3. Jano Markhulia; 4. Liana Saneblidze; 5. Nikoloz Chkhaidze.

19	AR/183/4-100/13 (Applied)	198420	10/04/2014- 09/04/2016	Development of effective biometric technologies on the basis of the example of large-scale electoral system	Faculty of Informatics and Control Systems	<ol style="list-style-type: none"> 1. Archil Prangishvili- Scientific supervisor, PhD; 2. Levan Imnaishvili- Main scientific worker, PhD; 3. Kartlos Kachiashvili -Scientific worker, PhD; 4. Maguli Bedineishvili- Scientific worker, PhD 5. Alina Titvinidze- Scientific worker, PhD; 6. Natia Kirkitadze- Scientific worker, PhD; 7.Nugzar Iashvili -Manager of technical Group, Master; 8. Giorgi Dzneladze- Programmer, Student of masters degree
20	AR/30/9-150/13 (Applied)	189450	04/04/2014- 03/04/2016	Study of Geological, Environmental and Energy-Economical Aspects of Development of Shale Gas Potential of Kazbegi-Omallo Zone	Examination Laboratory of Republican Center for Research, Diagnostics and Processing of Psychology and Inheritance	<ol style="list-style-type: none"> 1. Nodar Poporadze- Scientific supervisor, PhD; 2. Irakli Shekriladze -Chief Researcher, PhD; 3. Sulkhan Gvelesiani -Senior Researcher, Cand.,of Geol. Min. Sciences; 4. Evtikhi Machavariani -Senior Researcher, PhD; 5. Teimuraz Barabadze- Senior Researcher, PhD; 6. Shalva Gegia- Senior Researcher, Doctoral Candidate; 7.Teimuraz Iashvili -Senior Researcher, PhD; 8. Ia Akhvlediani -Senior Researcher, Candidate of Geol. Min. Sciences

21	AR/41/10-150/13 (Applied)	188300	30/04/2014- 02/08/2016	Technology of the garlic paste	Food Safety and Quality Management Industrial Center, GTU	1. Revazi Melkadze -Scientific supervisor, PhD; 2. Ketevan Kintsurashvili -Main Researcher, PhD
22	AR/61/3-102/13 (Applied)	240000	19/05/2014- 31/08/2016	Prevention methods development against aerosol terrorism for ventilation of Tbilisi subway.	Laboratory of Complex Mechanization, Field Processing and Complex Mechanisms Division, G. Tsulukidze Mining Institute	1. Omar Lanchava-Scientific supervisor, PhD; 2. Naomi Bochorishvili-Main Researcher, PhD; 3. Zurab Lebanidze-Main Researcher, PhD;
23	FR/586/9-110/13 (Fundamental)	150000	31/03/2014- 31/03/2017	Research of the Caucasian glaciers in Georgia based on satellite remote sensing	Weather Forecasting, Natural and Technogenic Disaster Modeling Department, Institute of Hydrometeorology, GTU	1. Larisa Shengelia- scientific supervisor, PhD; 2. George Kordzakhia- main researcher, PhD; 3. Genadi Tvauri -main researcher, PhD;
24	FR/354/3-180/13 (Fundamental)	7567	10/04/2014- 09/04/2017	Study and control enriching of copper-gold containing poor and finely impregnated ores with regard to additional controlling parameters	G. Tsulukidze Mining Institute	1. Mikheil Gamtsemlidze- scientific supervisor, PhD; 2. Demur Talakhadze- Researcher, PhD; 3. Roin Enageli Researcher, PhD;
25	FR/607/10-170/13 (Fundamental)	144400	10/04/2014- 09/04/2017	Theoretical study of erosion and mudflow processes	Faculty of Agricultural Science and Biosystems Engineering, Department of Agroengineering.	1. Irakli Kruashvili-Scientific supervisor; PhD; 2. Irma Inashvili -Scientific Researcher, PhD; 3. Eduard Kukhalashvili- Scientific Researcher, PhD; 4. Konstantine Bziava -Scientific Researcher, PhD;

26	FR/360/3-105/13 (Fundamental)	149400	02/04/2014- 01/04/2017	Development of a new-type floating-swimming wave-softening hydro-technical complex for protection of coastal line and open ports from storm waves	Faculty of Civil Engineering, №105 Department of Water Supply - Wastewater, Thermal and Ventilation and Engineering Equipments	1. Zaur Tsikhelashvili -Scientific supervisor, PhD; 2. Teimuraz Gvelesiani- Leading scientist, PhD; 3. George Berdzenashvili - Mathematician-Software Developer, Master; 4. Tamar Kirimlishvili-Davitashvili - Scientist, PhD;
27	FR/430/3-250/13 (Fundamental)	148500	31/03/2014- 31/03/2017	Nano-Sensory Applications for Studying-Elaboration of Detecting Model of Pathogenic Microorganisms	Faculty of Informatics and Control Systems, Department of Engineering Physics	1. Tamar Bzhalava -Scientific manager, PhD; 2. Ketevan Kapanadze- Researcher, PhD; 3. Vakhtang Kvintradze- Leader scientific-researcher, PhD;
28	FR/403/4-100/13 (Fundamental)	119750	31/03/2014- 30/09/2016	Light Controlled Gyrotropy of Liquid Crystals for Information Recording	Department of optimally managed anisotropic systems, V.Chavchanidze Institute of Cybernetics	1. Guram Tchilaia -Scientific supervisor, PhD; Researchers: 2. Andro Chanishvili, PhD; 3. Svetlana Tavzarashvili-Master; 4. Ketevan Tevdorashvili- Master; 5. Irakli Nakhutsrishvili-Researcher, PhD.
29	FR/286/5-101/13 (Fundamental)	150000	31/03/2014- 31/03/2017	Investigation of dynamical mathematical models of elastic multi-component structures with regard to fully coupled thermo-mechanical and electro-magnetic fields	Faculty of Informatics and Control Systems, Department of Mathematics	1. David Natroshvili- Scientific supervisor, PhD; Key researchers: 2. Tengiz Buchukuri, PhD; 3. Otar Chkadua, PhD; 4. Marekh Ivanidze, PhD; 5. Diana Ivanidze, PhD

30	FR/539/5-100/13 (Fundamental)	149530	31/03/2014- 31/03/2017	Interrelation between signs and permutations in compact vector summation: theory and applications	Faculty of Informatics and Control Systems; N.Muskhelishvili Institute of Computational Mathematics	1. Sergei Chobanyan Scientific supervisor, PhD; Researchers: 2. George Giorgobiani, PhD; 3. Vazha Tarieladze, PhD; 4. Vakhtang Kvaratskhelia, PhD; 5. George Chelidze, researcher; 6. Aleksandre Shangua, PhD;
31	FR/34/6-265/13 (Fundamental)	32000	31/03/2014- 07/04/2016	Optical solitones in anisotropic nanostructures	Physics and Nano-Optics Scientific Research Center	1. Guram Adamashvili -Scientific supervisor, PhD.
32	FR/292/6-120/13 (Fundamental)	99600		The phenomenon of non-polarized light in the polarization holographic interferometry : recording, the recording medium, application	V.Chavchanidze Institute of Cybernetics	1. Valentina Shaverdova-Scientific supervisor, PhD; 2. Vladimir Tarasashvili physicist, theorist-experimentalist, PhD; 3. Ana Purtseladze- mathematician and theorist-researcher, PhD; 4. Svetlana Petrova-technologist-researcher, Master; 5. Nino Obolashvili -chemist-researcher, PhD;
33	FR/395/6-420/13 (Fundamental)	109650	31/03/2014- 30/09/2016	New type spiropyrans combined with the azo dyes with extended properties.	V. Chavchanidze Institute of Cybernetics	1.Jimsher Maisuradze-Scientific supervisor, Doctor; main Participant: 2. Shorena Akhobadze- Master; 3. Izolda Mzhavanadze, Doctor; 4. Zhuzhuna Urchukhishvili, Master

34	FR/451/7-230/13 (Fundamental)	45419	02.04.2014- 01.04.2017	Perspectives of superparamagnetic iron oxide nanoparticles (SPIONs) application for wound healing.	Department of the Computer Engineering Elements and Nanomaterials, V. Chavchanidze Institute of Cybernetics	1. Marina Abuladze, Scientific supervisor, PhD; 2. Shalva Kekutia, Senior Investigator, PhD; investigators: 3. Tamar Tsertsvadze, PhD Student; 4. Liana Saneblidze, Master; 5. Victor Sokhadze, PhD; 6. Emma Namchevadze, PhD; 7. Nunu Mitskevich, PhD; 8. Tamar Suladze, PhD;
35	FR/115/9-180/13 (Fundamental)	147741	02.04.2014- 01.04.2017	The evaluation of ecological conditions of Black Sea and treatment of complex measurements of costal zone protect from abrasion processes in border of Georgia	Department of natural Disaster, Mirtskhulava Water Management Institute	1. Robert Diakonidze, scientific supervisor, PhD; 2. Evgenia Shengelia - main researcher, PhD.
36	04/19	35000 \$	13/03/2014- 12/03/2016	Production of new generation stable, industrially important enzymes	Durmishidze Biochemistry and Biotechnology Center	1. Giorgi Kvesitadze -scientific supervisor; The main performers: 2. Tamar Urushadze; 3 Lali Kutateladze; 4. Maia Jobava; 5. Edisher Kvesitadze; 6. Tinatin Aleksidze
37	04/15	4200 \$	10/03/2014- 10/03/2016	Highly effective dryer mashine develop for bio-briquette manufacturing	Faculty of Transportation and Mechanical Engineering	1. Zviad Ghviniashvili, scientific supervisor, Main performers: 2. Nodar Kevkhishvili; 3. Baadur Chkhaidze; 4. Givi Goletiani; 5. Vazha Kiria

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1	3	5	7	9	10	11
38	AR/122/4-105/14 (Applied)	200000	27/04/2015- 27/04/2017	One More Step Towards Georgian Talking Self- Developing Intellectual Corpus	Scientific-educational center of Georgian language technology	1. Konstantine Pkhakadze- Scientific supervisor, PhD; 2. Merab Chikvinidze Investigator, PhD; 3. Giorgi Chichua -Investigator, Master
39	AR/47/3-120/14 (Applied)	200000	27/04/2015- 26/10/2017	The device for displacement of disable persons on steps of stairs.	Scientific Department	1. Mikheil Janikashvili -Scientific supervisor, PhD; 2. David Tavkhelidze Leader Research Scientist, PhD; 3. Vazha Qiria, Research Scientist, PhD; 4. Zviad Gviniashvili, Research Scientist, PhD.
40	AR/31/8-314/14 (Applied)	224800	28/04/15- 28/04/17	Near Infrared Irradiation Based Novel Medical Device for Visualization and Diagnostics of the Prostate Cancer at the Early Stage of its Development	V. Chavchanidze Institute of Cybernetics o	1. Besarion Partsvania-scientific supervisor, PhD; Scientist researchers: 2.Tamaz Sulaberidze, PhD; 3. Levan Shoshiashvili, PhD; 4. Nino Ponjavidze, PhD; 5. Omari Tsintsadze, PhD; 6. Alexandre Khuskivadze, PhD; 7. Ketevan Chubinidze, PhD

41	AR/74/3-120/14 (Applied)	240000	27/04/2015- 27/04/2017	Investigation of the Polymer Composite Materials Reinforced by Basalt Fibers and Fabrication of the High Pressure Bottles and Wind Rotors	Department of Industrial Technology of Mechanical Engineering, Faculty of Transportation and Mechanical Engineering	1. Merabi Shvangiradze Scientific supervisor, PhD; 2. Ioseb Batsikadze Research Scientist, PhD; 3. Tengiz Gerkeuli, Construction Researcher, PhD; 4. David Butskhrikidze, Construction Researcher PhD; 5. Nana Bakradze, Research Scientist, PhD.
42	AR/222/3-171/14 (Applied)	240000	28/04/2015- 28/04/2017	Thermal-Powered Diaphragm Pump for Autonomous Solar Water Heating System: Development of Pre-Production Model.	Training, Scientific and Expert Laboratory, Faculty of Civil Engineering	1. Evtikhi Machavariani Scientific supervisor, PhD; 2 David Shekrladze, main Researcher, PhD 3 Giorgi Gigineishvili Leading Researcher, PhD 4 Jondo Rusishvili, Senior Researcher, PhD
43	AR/84/4-105/14 (Applied)	240000	28/04/2015- 28/04/2017	Georgian Word Net Compiler – GeWordNet	Archil Eliashvili Institute of Control Systems	1. Liana Lortkipanidze Scientific supervisor, PhD; main researchers: 2. Nino Javashvili, PhD 3 George Chikoidze, PhD 4 Ana Chutkerashvili, PhD 5 Liana Samsonadze, Master; 6 Nino Amirezashvili, PhD 7 Meri Gegechkori, Master

44	AR/209/6-120/14 (Applied)	143670	27/04/2015- 27/04/2017	Development of universal polarization-holographic spectro-polarimeter for studying astronomical objects	Laboratory of holographic recording and processing of information, V.Chavchanidze Institute of Cybernetics	1. Barbara Kilosanidze Scientific supervisor, PhD 2. George Kakauridze, Physicist, Researcher, PhD 3. Irakli Chaganava, Chemist, Researcher, PhD 4. Vazha Kulijanishvili, Astrophysicist, Researcher, PhD 5. Teimuraz Kvernadze, Astrophysicist, Researcher Master; 6. Georgi Kurkhuli, Astronomer, Researcher Master; 7. Davit Khutsishvili, Astrophysicist, doctoral candidate Master.
45	AR/137/3-170/14 (Applied)	238650	28/04/2015- 28/04/2017	Inovative Green Alternative on the Example of Georgia _ determination of Design Performance for Wind and Solar Energy Multipler Power Plants	Energy and Telecommunications Scientific-Technical Center. Faculty of Power Engineering and Telecommunication	1 Vazha Jamarjashvili Scientific supervisor, PhD 2 Raul Pataraiia-main researcher, PhD
46	AR/111/3-122/14 (Applied)	200000	28/04/2015- 28/04/2017	Creation of the New Methodology Based World-Class 3D Stereoscopic Competitive Aggregate	Department of Chemical Technology and Biotechnology, Faculty of Chemical Technology and Metallurgy	1. Givi Loladze, Scientific supervisor, PhD 2. Teimuraz Cheishvili, Key Personnel, PhD
47	AR/147/3-103/14 (Applied)	171800	28/04/2015- 28/04/2017	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	Institute of Hydrogeology and Engineering Geology	1. Tarkhan Tevzadze, Scientific supervisor, PhD 2. Giorgi Omsarashvili Manager, PhD 3. Peride Lortkipanidze Chemist, Master

48	AR/102/3-121/14 (Applied)	160000	27/04/2015- 27/04/2017	Development of technology for obtaining new high refractory materials for beddings for hot zones of cement and metallurgical furnaces	Department of Chemical Technology and Biotechnology, Faculty of Chemical Technology and Metallurgy	1. Natela Nizharadze Scientific supervisor, PhD; main researchers: 2. Gulnazi Tabatadze, PhD 3. Maia Mshvildadze, PhD 4. Maia Balakhashvili, PhD
49	FR/116/5-100/14 (Fundamental)	150000	04/05/2015- 04/05/2018	Measures on algebraic-topological structures and their applications	Faculty of Informatics and Control Systems, Department of Mathematics.	1. Aleksi Kirtadze, Scientific supervisor, PhD; Main researchers: 2. Gogi Pantsulaia, PhD 3. Givi Giorgadze, PhD 4. Nino Rusiashvili, PhD 5. Murman Kintsurashvili, PhD
50	FR/148/2-101/14 (Fundamental)	143400	05/05/2015- 05/05/2018	The Soviet Policy and Georgia in a New Space	Faculty of Engineering Economic, Media Technology and Social Sciences	1. Avtandil Songulaschvili Scientific supervisor, PhD; Main researchers: 2. Shota Vadachkoria, PhD 3. Nato Songulaschvili,
51	FR/312/4-150/14 (Fundamental)	150000	05/05/2015- 05/05/2018	Mixed Type Markov and Semi-Markov Queuing Systems In Problems for Infocommunication Networks' Dependability Planning	Faculty of Informatics and Control Systems, Department of Mathematics.	1. Hamlet Meladze, Scientific supervisor, PhD; Main researchers: 2. Archil Prangishvili, PhD 3. Revaz Kakubava, PhD 4. Alexander Tkeshelashvili PhD 5. Korneli Odisharia, PhD 6.. Nino Svanidze, PhD 7. Lela Mirtskhulava, PhD 8. George Nadareishvili, Master

52	FR/139/9-151/14 (Fundamental)	150000	05/05/2015- 05/05/2018	Criteria conditions of static slope stability. Mathematical modeling, forecasting and protection measures of avalanche-like currents	#101 Department of engineering mechanics and Technical Expertise of Civil Engineering, Faculty of Civil Engineering	1. Taniel Kvitsiani, Scientific supervisor, PhD; main researchers: 2. Zurab Gedenidze, PhD 3. Spartaki Avaliani, PhD
53	FR/45/4-101/14 (Fundamental)	130600	05/05/2015- 05/05/2018	The construction and investigation of convolutional codes, generalized concatenated codes and space-time codes over Gaussian integers and their synthesis with continuous phase modulation	Department of Telecommunication, Faculty of Power Engineering and Telecommunication	1. Sergo Shavgulidze -Scientific supervisor, PhD 2. Albert Asanidze - Senior Research Scientist, Doctor
54	FR/316/6-120/14 (Fundamental)	99700	04/05/2015- 04/05/2017	Polarized luminescence phenomenon in holographic memory problems: researches, the prospect of application	V. Chavchanidze Institute of Cybernetics	1. Vladimer Tarasashvili- Scientific supervisor, PhD; 2. Valentina Shaverdova -physicist - researcher, PhD 3. Ana Purtseladze -mathematician and theorist-researcher, PhD; 4. Svetlana Petrova- technologist-researcher, PhD; 5. Nino Obolashvili chemist- researcher Doctor
55	FR/3/9-19/0/14 (Fundamental)	148980	05/05/2015- 05/05/2018	Investigation of statistical characteristics of scattered radio waves in the Earth's atmosphere	V. Chavchanidze Institute of Cybernetics	1. George Jandieri-Scientific supervisor, PhD; 2. Mzia Diasamidze -Leader Research Scientist, PhD.

56	FR/88/9-220/14 (Fundamental)	125000	05/05/2015- 05/11/2017	Elaboration of Methodology for Determination of Accumulated Amount and Morphological Composition of Municipal Solid Waste in Georgia and Database Creation	Environmental Pollution Monitoring and Forecasting Department, Institute of Hydrometeorology	1. Natela Dvalishvili, Scientific supervisor, PhD; 2. Nanuli Naskidashvili, Coordinator of Waste Accounting, PhD; 3. Nino Vashakmadze, Coordinator of Waste Accounting, PhD
57	FR/35/9-120/14 (Fundamental)	141000	05/05/2015- 05/05/2018	Applied analytical methods for calculation of wave propagation in the coastal areas	Department of Hydro Engineering, Faculty of Civil Engineering	1. Shalva Gagoshidze -Scientific supervisor, PhD 2. Manoni Kodua -Investigator, PhD Student
58	FR/7/3-160/14 (Fundamental)	24000	04/05/2015- 04/05/2017	Multi-motor Automatized Electric Drives of Powerful Technological Machines	Faculty of Power Engineering and Telecommunications, Department of Electrical Engineering,	1 Jumber Dochviri-Scientific supervisor, PhD
59	DI/16/4-140/14	149400	17/04/2015- 17/04/2018	The device diagnostics the wear and damage of wheel sets and rails	Department of Railway Transportation, Faculty of Transportation and Mechanical Engineering	1. Irakli Garishvili- director 2. Nikoloz Mgebrishvili- co-director; 3. Alexander Dundua -researcher; 4. Nino Kvachadze- researcher; 5. Marina Tatanashvili -leader of the technical group; 6. Mariam Mgebrishvili-translator consultant
60	DI/14/3-109/14	150000	17/04/2015- 17/04/2018	Predicting and preventing catastrophic impacts of mudflows on hydrocarbons in mountainous areas.	Roads Department, Faculty of Transportation and Mechanical Engineering	1. Teimuraz Gvelesiani- Scientific co-supervisor; 2. Gabriel Jinjikhshvily Researcher, PhD; 3. George Berdzenashvili, Post graduate student; 4. Temur Stefania, Student; 5. Giorgi Aronia, Student

61	04/06 MTCU/78/4-103	35000 \$	10/02/2015-10/02/2017	A new photoanisotropic-copies-based pattern recognition system	V. Chavchanidze Institute of Cybernetics	1.Barbara Kilosanidze (Scientific Supervisor); Main researchers: 2. Georgi Kakauridze 3. Yuri Mshvenieradze 4. Irakli Chaganava
62	8-Apr	35000 \$	10/02/2015-10/08/2016	Cognitive, Genetic and Neural Integrated Models for the Sustainable Development of the Regions	Department of Computer Engineering, Faculty of Informatics and Control Systems	1-O. Namicheishvili (Scientific Supervisor); Main research scientists: 2.A.Prangishvili; 3.Z.Gasitashvili; Senior scientists: 4.Darejan Verulava 5. Mzia Kiknadze
63	YS15_2.4.1_68	30000	17/12/2015-20/12/2017	The research of the potential of manganese containing materials derived from industrial waste for chemical amelioration of wetland soils of Colchis lowland	Department of natural Disaster, Mirtskhulava Water Management Institute	1. Marine Shavlakadze (Scientific Supervisor)
64	YS15_2.1.1_94	26750	17/12/2015-03/01/2018	Obtaining the Hydraulic Concrete Resistant to the Aggressive Environment by Using Admixtures	Training, Scientific and Expert Laboratory, Faculty of Civil Engineering	1. Natia Tabatadze (Scientific Supervisor)
65	YS15_2.1.1_43	15000	17/12/15-31/12/2017	Backward Stochastic Differential Equations (BSDE) and applications in stochastic optimal control theory	V. Chavchanidze institute of cybernetics, department of Stochastic Analysis and Mathematical modeling	1. Besik Chiqvinidze (Scientific Supervisor)
66	YS15_2.1.1_31	20300	17/12/2015-29/12/2017	Geometrical and Combinatorial Properties of Point Sets and their Applications	Department of Mathematics, Faculty of Informatics and Control Systems, Department of Mathematics	1. Tengiz Tetunashvili (Scientific Supervisor)

#	Grants #	Total Budget (GEL)	Grant Period	Name of the grant	Faculty / Department or Research Institute / Division	Names of academic / scientific personnel / scholars involved in the project
1	3	5	7	9	10	11
67	ys-2016-41	39450	09/12/2016-09/12/2018	Case Analysis of the Georgian Transport Sector, Interoperability and Intermodality with the European Systems	Department of Transportation and Mechanical Engineering Management, Faculty of Transportation and Mechanical Engineering	1. Boris Gitolendia (Scientific Supervisor)
68	04/05	34950 \$	25/04/2016-25/04/2018	Development of new technologies for the growth of nanowires and fabrication of ultra-sensitive gas sensors	Institute of Cybernetics, Department of nanomaterials	1. David Jishiashvili (Scientific Supervisor); Senior scientists: 2. Archil Chirakadze; 3. Zeinab Shiolashvili; 4. Alexandre Jishiashvili; 5. Nino Makhatadze
69	04/06	35000 \$	25/04/2016-25/04/2017	Production and investigation of carbon nanoparticles, nanotubes, nanowires doped with magnetic (Fe, Ni, Co) and non ferrous (Cu) clusters and their new nano-compositions sintered by SPS method	Structural Research Republican Center, Faculty of Informatics and Control Systems	1. Elguja Kutelia, Scientific supervisor; main researchers: 2. T. Dzigrashvili 3. T. Kukava; 4. L. Rukhadze 5. N. Maisuradze; 6. D. Gventsadze 7. O. Tsursumia; 8. G. Kukhalashvili
70	DP2016-26	59700	22/12/2016-22/12/2019	Study of Properties of Concretes (Both Ordinary and Compacted) Made of Local Building Materials and Containing Admixtures, and Their Further Introduction in Construction Operations and Road Building	Training, Scientific and Expert Laboratory, Faculty of Civil Engineering,	1. M. Lortkipanidze, Scientific supervisor; 2. Olga Giorgishvili (young scientist); PhD students: 3. Yuri Salukvadze; 4. Aleksandre Tatanashvili; 5. Nika Bochorishvili.

71	216800	240000	30/11/2016-29/11/2018	Capture of emission (CO ₂ , SO _x , NO _x ,) from the clinker kiln and their utilization while cement grinding	Scientific Center "Nanodughabi"	1. Teimuraz Kordzakhia (project manager); 2.Razdan Skhvitaridze (Main Staff) 3. Irakli Giorgadze (Main Staff) 4. Giorgi Tsintskadze (Main Staff) 5. Shalva Verulava (Main Staff)
72	217020	123000	30/11/2016-29/11/2018	Operational Test and Optimization of the PMG-free Innovative Auto Catalyst.	Department of Chemical Technology and Biotechnology, Faculty of Chemical Technology and Metallurgy; Institute of Green and Sustainable Chemistry, Faculty of Agricultural Science and Biosystems Engineering	1. Tamaz Agladze-(Project Leader) 2.Maia Gabrichidze (Main Staff) 3.Marine Donadze (Main Staff) 4. Nino Makhaldini (Main Staff)
73	217064	210000	12/12/2016-12/12/2019	Optical multi-photon nonlinear waves in graphene plasmonics	Theoretical Physics and Nano-Optics Scientific-Research Center	1. Guram Adamashvili (Project Leader) 2. Merab Peikrishvili (Coordinator) 3. Rusudan Koplatadze (Main Staff) 4.Giorgi Kupunia (main Staff)
74	217162	205100	09/12/2016-09/12/2019	Optical Information Recording Based on Photo-Modulation of Emission Property of Liquid Crystal	Department of Optically Manageable Anisotropic Systems, Vladimir Chavchanidze Institute of Cybernetics	1.Andro Chanishvili (head of project); 2.Guram Chilaia (Coordinator); 3. Zurab Vardosanidze (specialist); 4. Rafiel Tkhinvaleli (Lab); 5. Svetlana Tavarashvili (Lab); 6.Nino Betselashvili (Lab).
75	217164	210000	09/12/2016-08/12/2019	Study of localized plastic areas and plastic zones caused by low cycle fatigue deformation of martensitic Cr structural steels used in nuclear power engineering and industry	Department of Engineering Physics, Faculty of Informatics and Control Systems	1. Tamaz Eterashvili (Manager) 2.Manana Vardosanidze (Coordinator); 3.Teimuraz Dzigrashvili (researcher); 4.Levan Kotishvili (researcher) 5.Lili Nadaraia (specialist)

76	217330	140000	12/12/2016-11/12/2018	New rewritable optical storage on the basis of spiropyran doped liquid crystal bilayer polymer film	V. Chavchanidze Institute of Cybernetics	1.Gia Petriashvili (Project Leader) 2.Tsitso Zurabishvili (Coordinator) 3.Lali Devadze (Main Staff); Nino Sepashvili (Main Staff) 5.Nino Phonjavidze (Main Staff)
77	217578	210000	09/12/2016-8/12/2019	Influence of uncontrolled landfills of adjacent areas existing on the territory of Georgia	Faculty of Informatics and Control Systems	1. Nugzar Buachidze (Project Leader) 2. Khatuna Chikviladze (Coordinator) 3. Ekaterine Shubladze (Main Staff)
78	217754	135200	12/12/2016-11/12/2018	Detailed geological study of perspective local areas of the Kazbeg-Omalo region shale gas	Department of Applied Geology Faculty of Mining and Geology	1. Olga Seskuria (Project Leader) 2. Natia Inanishvili (Coordinator); Nodar Poporadze (Main Staff) 4. Ia Akhvlediani (Main Staff)

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#	Grants #	Total Budget (GEL)	Grant Period	Name of the grant	Faculty / Department or Research Institute / Division	Names of academic / scientific personnel / scholars involved in the project
1	3	5	7	9	10	11
79	HE 17-21	208000	18/09/2017-18/09/2020	Genesis of European Idea in Georgia of XIII-XVIII	Faculty of Engineering Economic, Media Technology and Social Sciences	1. Zurab Gamezardashvili (Project Leader) 2. Murman Papashvili (Researcher) 3. Eldar Mamistsavlashvili; 4. Manana Abashidze (Assistant)

80	STCU-2016-4	2901 \$	04/06/2017- 04/12/2018	Placement of facilities and transportation of goods in extreme situations	Mathematics Department, V. Chavchanidze Institute of Cybernetics	1. Giorgi Bolotashvili (Project Leader)
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