

**Projects financed by state scientific grants competition for fundamental research in 2015**

| #  | Project Code    | Proposal title   | Grant recipient       | Key personnel   | Leading Organization  | Research Fields |
|----|-----------------|--|-----------------------|---|---|-----------------|
| 1  | FR/428/3-105/14 | <a href="#">About some issues of the exploited arch dams</a>   | Chrelashvili Abrami   |   | "Etelta"  | 3               |
| 2  | FR/239/3-220/14 | <a href="#">Studies of Producing the Novel Fiber from Industrial Waste</a>   | Vadachkoria Zinaida   | Abesadze Nanuli, Bakuradze Emiri, Zivzivadze Badri  | Akaki Tsereteli State University  | 3               |
| 3  | FR/368/3-200/14 | <a href="#">Development of Technological Foundations and Quality Control Methods for Producing of Extractive Grape-Stone Oil</a>             | Gorgadze Gizo         | Kakashadze Natia, Gabriadze Tamila  | Akaki Tsereteli State University  | 3               |
| 4  | FR/165/8-406/14 | <a href="#">OUTDOOR AEROALLERGENS AND ASTHMA IN GEORGIA: ASSOCIATION OF DAILY EXPOSURES WITH RESPIRATORY SYMPTOMS IN SENSITIZED PATIENTS</a> | Gamkrelidze Amirani   | Gotua Maia, Abramidze Tamari, Akhalkatsi Maia, Rukhadze Maia, Dolidze Nana, Lomidze Nino        | Allergy and Immunology Research Center  | 8               |
| 5  | FR/411/1-10/14  | <a href="#">Epigraphical Corpus of K'vemo K'artli</a>  | Gogoladze Tamazi      | Gelashvili Irakli, Kharshiladze Nino  | Young researchers`Center Unknown Georgia  | 1               |
| 6  | FR/282/8-314/14 | <a href="#">Biomarkers and efficiency of treatment of locally advanced gastric cancer by resection and HIPEC procedure</a>                   | Aladashvili Archili   | Pantsulia Ia, Tsalughelashvili Aleksandre   | Fight against cancer  | 8               |
| 7  | FR/235/7-250/14 | <a href="#">Use Bacteroides fragilis phages for prophylaxis of colon cancer: Assessment of its potential</a>                                 | Chanishvili Nina      | Natroshvili Gulnara, Merabishvili Maia, Makalatia Khatuna, Abiatari Ivane, Amiranashvili Irakli | George Eliava Institute of Bacteriophage, Microbiology and Virology                         | 7               |
| 8  | FR/216/1-40/14  | <a href="#">Historical Fortified Settlements in Northern Georgian Highlands (Shatili, Mutso, Chazhashi and Dartlo)</a>                       | Suramelashvili Manana | Elizbarashvili Irine, Chachkhunashvili Tsitsino   | G.Chubinashvili National Research Centre for Georgian Art History and Heritage Preservation | 1               |
| 9  | FR/476/9-110/14 | <a href="#">Identification of new building-climatic guidelines of Georgia based on climate change</a>  | Kartvelishvili Liana  | Megrelidze Lia, Melikidze Karine  | National Environmental Agency   | 9               |
| 10 | FR/503/1-30/14  | <a href="#">Soviet Utopian Theories and First Textbooks of General Linguistics: 1918-1950</a>  | Bolkvadze Tinatini    | Tetradze Maka, Abesadze Nino  | Giorgi Akhvlediani Society for the History of Linguistics                                   | 1               |

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| 11 | FR/171/3-180/14  | <a href="#">Theoretical basis and technology of lining stones extraction by explosion</a>  | Mikhelsoni Rudolfi   | Khomeriki Sergo, Losaberidze Marina  | G.Tsulukidze Mining Institut                        | 3  |
| 12 | FR/352/2-200/14  | <a href="#">Conceptual apparatus of the Theory of Set (Georgian psychological school) - theoretical and applied aspects</a>  | Imedadze Irakli      | Sakvarelidze Ramazi, Vakhania Zurabi, Baliashvili Marina, Vakhania Nikoloz, Chkheidze Tinatini             | Dimitri Uznadze Georgian Psychologists' Association | 2  |
| 13 | FR/330/7-160/14  | <a href="#">The role of IL-10 and TNF alpha in pathogenesis of diabetes-induced pregnancy loss</a>   | Gongadze Maka        | Atamashvili Tsitsino, Gogia Nunu   | Tbilisi state Medical University                    | 7  |
| 14 | FR/353/8-304/14  | <a href="#">Assessment of Dietary Fiber Deficiency in Daily Diet and Effect of its Completion in Constipated Patients</a>  | Sulaberidze Gela     | Okujava Maia   | Tbilisi state Medical University                    | 8  |
| 15 | FR/257/7-270/14  | <a href="#">Anticonvulsant effects of acoustic range magnetic stimulation</a>  | Bukia Nato           | Butskhrikidze Marina, Svanidze Militsa, Machavariani Lamara, Kekelia Giorgi                                | I. Beritashvili Center of Experimental Biomedicine  | 7  |
| 16 | FR/533/7-274/14  | <a href="#">Effect of Arsenic on rat behavior and brain neuroarchitecture</a>  | Bikashvili Tamari    | Lortkipanidze Tamari, Gogichaishvili Nana, Devdariani Sopio  | I. Beritashvili Center of Experimental Biomedicine  | 7  |
| 17 | FR/167/7-100/14  | <a href="#">The study of stimulating (hormetic) effect of ethanol low doses on the neurogenesis, the metabolism and behavioral acts at different stages of postnatal development in white rats</a> | Gegenava Lali        | Museridze Diana, Gugushvili Manana, Ghvinadze Nino, Devdariani Marina, Nebieridze Marina, Sanikidze Tamari | I. Beritashvili Center of Experimental Biomedicine  | 7  |
| 18 | FR/397/7-180/14  | <a href="#">Development of new version of DBAASP and new AMP prediction methods</a>  | Vishnepolski Borisi  | Pirtskhalava Malaki, Grigolava Maia, Gogoladze Giorgi  | I. Beritashvili Center of Experimental Biomedicine  | 7  |
| 19 | FR/208/3-200/14  | <a href="#">Electrosynthesis of manganese dioxide and hydrogen with use of carbon materials of new generation</a>  | Kebadze Zhiuli       | Chikhunashvili Temuri, Gagnidze Tsisana, Ugrelidze Ketevani, Bolotashvili Medea                            | Tbilisi Ivane Javakhishvili State University        | 3  |
| 20 | FR/8/9-152/14    | <a href="#">Elaboration of geological-genetic basis for prognostication of quartz-low sulphide vein type gold deposits, on the example of Svaneti region (Georgia)</a>                             | kekelia Sergo        | Mshvenieradze Ira, Gagnidze Nona, Lobzhanidze Koba, Popkhadze Nino   | Tbilisi Ivane Javakhishvili State University        | 9  |
| 21 | FR/381/10-160/14 | <a href="#">Synthesis and study of prolonged effect and degradable polymer nitre ; Development of innovative technology for multi-component pellet composites on its base</a>                      | Gurgenishvili Marina | Lomtadidze Zauri, Dokhturishvili Nora, Papava Ketevani   | Tbilisi Ivane Javakhishvili State University        | 10 |
| 22 | FR/137/2-153/14  | <a href="#">Unexplored Archive Materials and the Traditional Culture of the Eastern Georgia Highland (Ethnological studies)</a>  | Ghambashidze Nino    | Zazanashvili Nana, Alaverdashvili Ketevani   | Tbilisi Ivane Javakhishvili State University        | 2  |

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| 23 | FR/41/3-250/14   | <a href="#">Synthesis and characterization of carbon nanoparticles doped of magnetic nanoclusters with application in self-assembling and self-healing magnetic polymer nanocomposite films on their basis</a>                   | Akhalkatsi Antoni      | Gavasheli Tsisana, Gventsadze Daviti, Rukhadze Leri  | Tbilisi Ivane Javakhishvili State University | 3  |
| 24 | FR/49/9-170/14   | <a href="#">Background natural and technogenic radioactivity of various soil-geological structures of some regions of Georgia and estimation of radiological risk for the population</a>   | Jakhtashvili Teimurazi | Tulashvili Eremia, Tutberidze Bezhani, Chkhaidze Manana, Mtsariashvili Lela                          | Tbilisi Ivane Javakhishvili State University | 9  |
| 25 | FR/25/6-100/14   | <a href="#">Solitonic Switching in Photonic and Multiferroic Nanostructures</a>  | Khomeriki Ramazi       | Jandieri Vakhtangi, Ugulava Archili, Chkhaidze Simoni  | Tbilisi Ivane Javakhishvili State University | 6  |
| 26 | FR/143/6-350/14  | <a href="#">Metastable vacuum decay with gravity</a>   | Lavrelashvili Giorgi   |  | Tbilisi Ivane Javakhishvili State University | 6  |
| 27 | FR/189/5-113/14  | <a href="#">Homotopical and categorical algebra, homology of algebraic objects and algebraic K-theory</a>  | Inasaridze Nikoloz     | Khmaladze Emzari, Mesabliashvili Bachuki, Inasaridze Khvedri   | Tbilisi Ivane Javakhishvili State University | 5  |
| 28 | FR/43/9-220/14   | <a href="#">Development of Wasteless Technology to Obtain Deficit Potassium Admixtures and Potassium Biofertilizers from Natural And Technogenic Waste of Trachytes in Georgia to utilize them in Agriculture and Industry</a>   | Kartvelishvili Iali    | Kakulia Jemali, Malashkhia Shalva, Lomidze Nunu, Jalaghonia Sopio                                    | Tbilisi Ivane Javakhishvili State University | 9  |
| 29 | FR/370/10-100/14 | <a href="#">Synthesis and Study of Prolonged Effect Nitrogenous Fertilizers and development of innovative technology</a>   | Gugava Eldari          | Papava Givi, Gelashvili Nazi   | Tbilisi Ivane Javakhishvili State University | 10 |
| 30 | FR/358/5-109/14  | <a href="#">Some problems of linear and nonlinear theory of shallow and nonshallow shells</a>  | Meungaria Tengizi      | Tavkhalidze Iliia, Akhalaia Giorgi, Kapanadze Giorgi, Gulua Bakuri, Narmania Miranda Janjgava Romani | Tbilisi Ivane Javakhishvili State University | 5  |
| 31 | FR/325/4-120/14  | <a href="#">CLP(HC): Foundation, Implementation, Applications</a>  | Antidze Jemali         | Dundua Besiki, Kardava Irakli  | Tbilisi Ivane Javakhishvili State University | 4  |
| 32 | FR/318/1-20/14   | <a href="#">Nicoloz Baratashvili Analytical Guide</a>  | Vasadze Tamazi         | Sharabidze Tamari  | Tbilisi Ivane Javakhishvili State University | 1  |
| 33 | FR/86/5-109/14   | <a href="#">Some linear and nonlinear contact problems of plane elasticity theory</a>  | Shavlakadze Nugzari    | Kharibegashvili Sergo, Jokhadze Otari  | Tbilisi Ivane Javakhishvili State University | 5  |
| 34 | FR/81/9-152/14   | <a href="#">Gold-copper porphyry and nonsulfide epigenetic mineralization genesis in Bolnisi ore district in relation with volcanic activity on the background of late subduction stage of Tethyan active margin development</a> | Gugushvili Vladimeri   | Migineishvili Ramazi, Beridze Tamari, Khutsishvili Sopio   | Tbilisi Ivane Javakhishvili State University | 9  |
| 35 | FR/265/6-100/14  | <a href="#">Quantum group and topologically nontrivial states in low-dimensional fermion systems</a>   | Tsitsishvili Giorgi    | Eliashvili Merabi, Japaridze Giorgi, Sekania Mikheili  | Tbilisi Ivane Javakhishvili State University | 6  |

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| 36 | FR/101/1-20/14  | <a href="#">Economic Concepts in Georgian Fiction</a>   | Kupreishvili Nona        | Jgernaia Emzari, Keshelashvili Giuli, Vakhania Nino, Tabitsadze Solomoni          | Tbilisi Ivane Javakhishvili State University | 1 |
| 37 | FR/436/6-480/14 | <a href="#">Synthesis of metal complexes, investigation and application</a>   | Japaridze Leila          | Gabelia Tsiala, Salukvadze Eteri, Osipova Nana, Kvernadze Tamari, Chimakadze Givi | Tbilisi Ivane Javakhishvili State University | 6 |
| 38 | FR/412/1-20/14  | <a href="#">Commented on modern studies, "The Knight in the Panther's Skin"</a>   | Khintibidze Elguja       | Tvaltvadze Darejani, Khintibidze Zaza   | Tbilisi Ivane Javakhishvili State University | 1 |
| 39 | FR/102/5-100/14 | <a href="#">Function classes and subjects of the convergence of the orthogonal series</a>   | Tsagareishvili Vakhtangi | Gogoladze Leri  | Tbilisi Ivane Javakhishvili State University | 5 |
| 40 | FR/547/8-305/14 | <a href="#">Early Repolarisation Syndrome - Innocent ECG Finding or Predictor of Life-threatening Arrhythmias. (Topicality and potential risk in the multiethnic population of Georgia)</a> | Lomtadze Germane         | Chagunava Ketevani  | Tbilisi Ivane Javakhishvili State University | 8 |
| 41 | FR/417/6-100/14 | <a href="#">Chiral effective field theory for three nucleons in an exactly renormalizable approach</a>  | Kvinikidze Aleksandre    | Isakadze Zurabi, Gegelia Jambuli  | Tbilisi Ivane Javakhishvili State University | 6 |
| 42 | FR/496/2-110/14 | <a href="#">European and Oriental stable verse forms in Georgian poetry (history. theory. chrestomathy)</a>   | Barbakadze Tamari        | Silagadze Apolon, Lomidze Tamari, Jiqia Marina, Kvitaishvili Emzari               | Tbilisi Ivane Javakhishvili State University | 2 |
| 43 | FR/142/1-30/14  | <a href="#">"Elija in Svan language" (fundamental-applied research with symphony-dictionary)</a>  | Saghlani Medea           | Giglemiani Lela, Savreshiani Shorena  | Tbilisi Ivane Javakhishvili State University | 1 |
| 44 | FR/141/1-30/14  | <a href="#">"Peculiarities of the Svan language's Choral Verb" (Fundamental-Applied Survey with Texts)</a>  | Gazdeliani Elizaveta     | Shavreshiani Nato, Chkadua Roena  | Tbilisi Ivane Javakhishvili State University | 1 |
| 45 | FR/206/7-250/14 | <a href="#">Development of the anti-cancer epitope specific vaccine prototype based on mutant <math>\beta</math> chain of human chorionic gonadotropin</a>                                  | Gachechiladze Nino       | Chikadze Nino   | Tbilisi Ivane Javakhishvili State University | 7 |
| 46 | FR/261/6-260/14 | <a href="#">Sol-gel Methods and Polymerization for synthesized Ti-based Polycrystalline Superconductors</a>   | Lobzhanidze Tea          | Markashvili Eliza, Metskhvarishvili Iosebi, Metskhvarishvili Magda                | Tbilisi Ivane Javakhishvili State University | 6 |
| 47 | FR/355/2-181/14 | <a href="#">The Ways of Solving Problems of Territorial Organization of Georgia Through the Comparative-Legal Analysis of Territorial Organization of Belgium and Spain</a>                 | Janashvili Lela          | Gogiashvili Giorgi  | Tbilisi Ivane Javakhishvili State University | 2 |
| 48 | FR/508/4-120/14 | <a href="#">Rewriting-Based Usage Control</a>   | Kutsia Teimuraz(Temur)   | Rukhia Khimuri, Tibua Lali, Pkhakadze Sopo  | Tbilisi Ivane Javakhishvili State University | 4 |
| 49 | FR/466/1-10/14  | <a href="#">The Epigraphic Corpus of Kvemo Kartli. Volume I (Dmanisi District)</a>  | Otkhmezuri Giorgi        | Mirijanashvili Irine, Khaindrava Elza, Matitashvili Shota, Boshishvili Aleksandre | Tbilisi Ivane Javakhishvili State University | 1 |

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| 50 | FR/377/6-290/14 | <a href="#">High-energy Study of BL Lacertae Objects</a>   | Kapanadze Bidzina     | Kapanadze Sergo   | Ilia State University | 6 |
| 51 | FR/18/5-102/14  | <a href="#">Investigation of problems of the mathematical theories of multi-porosity materials</a>   | Svanadze Merabi       | Svanadze Maia   | Ilia State University | 5 |
| 52 | FR/310/2-141/14 | <a href="#">"Arabian epitaphs of the old Muslim cemetery of Tbilisi"</a>   | Gviniashvili Eteri    | Shakulashvili Giorgi  | Ilia State University | 2 |
| 53 | FR/380/1-10/14  | <a href="#">The Study of Eleven 11th-18th cc. Georgian Manuscripts, Including their Testaments and Colophons, Preserved at the Duke Czartoryskis' Library, the National Museum in Krakow, Poland (Description of the Manuscripts; Corpus of Testaments and Colophons; Co</a> | Jojua Teimurazi       |   | Ilia State University | 1 |
| 54 | FR/264/6-350/14 | <a href="#">Magnetic Fields in the Universe: Origin, Evolution, and Signatures</a>   | Kakhniashvili Tina    | Tevzadze Aleksandre   | Ilia State University | 6 |
| 55 | FR/224/2-131/14 | <a href="#">Byzantine-Georgian Documented Dictionary</a>   | Makharadze Neli       | Shoshiashvili Julieta, Elizbarashvili Eliso, Beridze Olga, Kvirikashvili Liana, Meskhi Tamari | Ilia State University | 2 |
| 56 | FR/51/6-300/14  | <a href="#">Testing theoretical models of magnetohydrodynamic turbulence by means of the solar wind observations</a>   | Ghoghoberidze Grigoli | Dalakishvili Giorgi   | Ilia State University | 6 |
| 57 | FR/52/9-140/14  | <a href="#">Engineering – the seismogeological structure of Tbilisi and other regions of Georgia, the influence of relationships between geological and geophysical parameters on seismic hazard</a>   | Jorjiashvili Nato     | Gigiberia Malkhaz, Shengelia Ia, Otinashvili Maia   | Ilia State University | 9 |
| 58 | FR/467/3-250/14 | <a href="#">Nanostructured materials for energy conversion</a>   | Tavkheldze Avtandili  | Mebonia Mikheili, Gogoberidze Vitali, Kochlashvili Aleksandre, Kakulia Daviti                 | Ilia State University | 3 |
| 59 | FR/269/1-10/14  | <a href="#">Between East and West: Iranian and French Authors about 19th Century Georgia</a>   | Natchkebia Irina      | Aleksidze Marine, Mekiashvili Lela, Sanikidze Giorgi, Beradze Grigoli                         | Ilia State University | 1 |
| 60 | FR/339/6-350/14 | <a href="#">Testing modified theories of gravity with large scale structure of the Universe</a>  | Samushia Iado         | Lavrelashvili Giorgi, Kakhniashvili Tina  | Ilia State University | 6 |
| 61 | FR/379/6-300/14 | <a href="#">Study of the Near-Earth Asteroids by Photometric and Astrometric Methods</a>   | Inasaridze Raguli     | Kvaratskhelia Otar, Aivaziani Vova, Zhuzhunadze Vasili  | Ilia State University | 6 |
| 62 | FR/516/6-300/14 | <a href="#">Nonlinear optical phenomena in Astrophysical sources</a>   | Machabeli Giorgi      | Rogava Andria, Chkheidze Nino   | Ilia State University | 6 |
| 63 | FR/344/2-152/14 | <a href="#">Religiosity among young Georgians</a>  | Gurchiani Ketevani    |   | Ilia State University | 2 |

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| 64 | FR/406/2-153/14  | <a href="#">Traditional Agriculture and Prospects for the Development of the Georgian Village ( Historical - Ethnographic Study of Kakheti Region)</a>   | Burduli Mediko       | Mghebrishvili Lali, Daushvili Aleksandre   | History, Ethnology and Religious Studies and Research Center        | 2  |
| 66 | FR/384/2-153/14  | <a href="#">Perspectives of Georgian-Ossetian relations in Kazbegi region</a>  | Janiashvili Lavrenti | Jalabadze Natia  | International Scientific Research Institute of the Caucasian People | 2  |
| 67 | FR/119/3-109/14  | <a href="#">Determination of regularities and mechanisms of formation of large landslides and falls in seismically active zones and nearby glaciers</a>  | Kilasonia Jemal      | Dondoladze Nana  | Science and Energy  | 3  |
| 68 | FR/286/1-10/14   | <a href="#">Fundamental research of Jruchi Monastery history and scientific cataloging of its treasures</a>  | Sulaberidze Dato     | Kebulidze Maia, Mumladze Tsitsino, Kebulidze Kakhaberi, Sarava Nino, Chubinidze Eliso, Sachkovi Maia | Niko Berdzenishvili Kutaisi State History Museum                    | 1  |
| 69 | FR/241/3-170/14  | <a href="#">MODELING AND RESEARCH INTO NEW ALTERNATIVE BURNING PROCESS FOR OBTAINING A DIESEL HIGH ECOLOGICAL INDICES WITH THE USE OF NAVIER-STOKES THREE-DIMENSIONAL NON-STATIONARY EQUATIONS</a>     | Kavtaradze Revazi    | Glonti Merabi, Natriashvili Tamazi   | Raphael Dvali Institute of Machine Mechanics                        | 3  |
| 70 | FR/409/2-150/14  | <a href="#">State Museum of Folk and Applied Arts of Georgia- From colonial Policy to the National Museum</a>  | Koshoridze Irine     | Melikishvili Izolda, Kovziashvili Nino, Kipshidze Nina   | Georgian State Museum of Folk and Applied Art                       | 2  |
| 71 | FR/571/7-120/14  | <a href="#">The 19th century Georgian mycological herbarium and fungal living culture collection: maintenance and renovation prospects</a>   | Bitsadze Nana        | Beruashvili Mzia, Giorbelidze Maia, Pavliashvili Ketevani  | Agricultural University of Georgia                                  | 7  |
| 72 | FR/191/10-105/14 | <a href="#">Creation of National Atlas of Soils of Georgia</a>   | Urushadze Tengizi    | Kvesitadze Giorgi, Kutateladze lali, Kvrivishvili Tamari   | Agricultural University of Georgia                                  | 10 |
| 73 | FR/20/10-140/14  | <a href="#">Study and analysis of agricultural machinery application compliance with norms</a>   | Basilashvili Bezhani | Lagvilava Igori  | Agricultural University of Georgia                                  | 10 |
| 74 | FR/150/7-276/14  | <a href="#">Temporal Event Prediction in Children with Autism Spectrum Disorders</a>   | Kuntchulia Marina    | Parkosadze Khatuna, Lomidze Nino, Tatishvili Tamari  | Agricultural University of Georgia                                  | 7  |
| 75 | FR/510/8-335/14  | <a href="#">A study of lipid metabolism regulating effect of polyphenolic compounds, isolated from Georgian grape Saperavi variety, on in vitro model of Non-Alcoholic Fatty Liver Disease (NAFLD)</a> | Kulikova Nina        | Iasareishvili Besarioni, Qsovreli Mariami, Kachlishvili Tinatini, Bezhuashvili Marine                | Agricultural University of Georgia                                  | 8  |
| 76 | FR/345/3-120/14  | <a href="#">Theoretical and experimental study of multifunctional modified self-propelled mountain chassis and the main options optimization</a>   | Lagvilava Igori      | Kobakhidze Avtandili   | Agricultural University of Georgia                                  | 3  |



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| 77 | FR/535/10-102/14 | <a href="#">Study of transfer of mulberry silkworm disease –nuclear polyhedrose to generations by novel molecular-biological methods</a>   | Baramidze Nargizi       | Gujabidze Irakli  | Agricultural University of Georgia        | 10 |
| 78 | FR/542/10-102/14 | <a href="#">The Search, study and evaluation of Georgian endangered autochthonous genetic resources of fruit crops</a>   | Bobokashvili Zviadi     | Dzeria Kukuri, Mirotadze Nadezhna   | Agricultural University of Georgia        | 10 |
| 79 | FR/60/10-140/14  | <a href="#">Theoretical and experimental study and optimization of resource-saving innovative technologies to improve operational reliability of modern farm machinery</a>                                 | Katsitadze Jemali       | Karkashadze Napoleoni, Kutelia Giorgi   | Georgian Academy of Agricultural Sciences | 10 |
| 80 | FR/3/9-190/14    | <a href="#">Investigation of Statistical Characteristics of Scattered Radio Waves in the Earth Atmosphere</a>  | Jandieri Giorgi         | Diasamidze Mzia   | Georgian Technical University             | 9  |
| 81 | FR/88/9-220/14   | <a href="#">Elaboration of Methodology for Determination of Accumulated Amount and Morphological Composition of Municipal Solid Waste in Georgia and Database Creation</a>                                 | Dvalishvili Natela      | Naskidashvili Nanuli, Vashakmadze Nino  | Georgian Technical University             | 9  |
| 82 | FR/7/3-160/14    | <a href="#">Multimotor Automatized Electrical Drives of Power Technological Machines</a>   | Dotchviri Jumberi       |   | Georgian Technical University             | 3  |
| 83 | FR/35/9-120/14   | <a href="#">Applied analytical methods for calculation of wave propagation in the coastal areas</a>  | Gagoshidze Shalva       | Kodua Manoni  | Georgian Technical University             | 9  |
| 84 | FR/148/2-101/14  | <a href="#">The Soviet policy and Georgia in a new spacel (1921-1991)</a>  | Songulashvili Avtandili | Vadachkoria Shota, Songhulashvili Nato  | Georgian Technical University             | 2  |
| 85 | FR/139/9-151/14  | <a href="#">Criterial conditions for the slopes static stability. Mathematical modeling and forecasting of the dynamic processes of sliding currents and relevant protective measures</a>                  | Kvitsiani Tarieli       | o Gedenidze Zurabi, Avaliani Spartaki   | Georgian Technical University             | 9  |
| 86 | FR/312/4-150/14  | <a href="#">Mixed Type Markov and Semi-Markov Queuing Systems In Problems for Infocommunication Networks' Dependability Planning</a>   | Meladze Hamleti         | kakubava Revazi, Frangishvili Archili, Tkeshelashvili Aleksandre, Svanidze Nino, Odisharia Korneli, Mirtskhulava Lela, nadareishvili Giorgi | Georgian Technical University             | 4  |
| 87 | FR/45/4-101/14   | <a href="#">The construction and investigation of convolutional codes, generalized concatenated codes and space-time codes over Gaussian integers and their synthesis with continuous phase modulation</a> | Shavgulidze Sergo       | Asanidze Alberti  | Georgian Technical University             | 4  |
| 88 | FR/116/5-100/14  | <a href="#">Measures on algebraic-topological structures and their applications</a>  | Kirtadze Aleksi         | Pantsulaia Gogi, Giorgadze Givi, Rusiashvili Nino, Kintsurashvili Murmani   | Georgian Technical University             | 5  |

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| 89  | FR/316/6-120/14  | <a href="#">Polarized luminescence phenomenon in holographic memory problems: researches, the prospect of application</a>  | Tarasashvili Vladimeri   | Shaverdova Valentina, Furttseladze Ana, Petrova Svetlana, Obolashvili Nino                           | Georgian Technical University       | 6  |
| 90  | FR/195/6-265/14  | <a href="#">Computer Simulation and Analysis of Plasmonic Nano Antennas</a>  | Tavzarashvili Kakhaberi  | Gogua Tamari   | University of Georgia               | 6  |
| 91  | FR/454/10-140/14 | <a href="#">Development of a technique of definition of necessary quantity and the nomenclature of demanded technical equipment on the basis of calculation of power expenses of technological processes, in view of a kind and the occupied area of agricultural crops in</a> | Shakapidze Elguja        | Bedia Omar, Chitaia Grigoli, Mosashvili Givi   | Academy of Agricultural Sciences    | 10 |
| 92  | FR/570/10-120/14 | <a href="#">Study and Conservation of Genetic resources of Colchic Forests</a>   | Goginashvili Nani        | Tvauri Irina, Akhalkatsi Maia, Memiadze Nino   | agriculture research centre         | 10 |
| 93  | FR/24/2-105/14   | <a href="#">Trialeti – Cultural and Historical Heritage, Ancient Sources and Perspectives of Research</a>  | Narimanishvili Goderdzi  | Shanshashvili Nino, Kvachadze Marine   | LEPL - Georgian National Museum     | 2  |
| 94  | FR/387/1-60/14   | <a href="#">Hostilities and weapons in Iberia- Colchis (Research and catalogue of artifacts)</a>   | Shatberashvili Vakhtangi | Gamkrelidze Gela, Charkviani Maia, Davlianidze Revazi, Firtskhalava Marine                           | LEPL - Georgian National Museum     | 1  |
| 95  | FR/372/2-150/14  | <a href="#">Far Eastern and Indian Art - Unknown collections from Georgian National Museum</a>   | Demurishvili Natia       | Dgebuadze Marina, Gugunava Irina, Aleksidze Marine   | LEPL - Georgian National Museum     | 2  |
| 96  | FR/445/2-152/14  | <a href="#">Systematization of anthropological collections from Georgian prehistoric (Dmanisi fossil Homo) and historical sites (Mtskheta)</a>   | Nikolaishvili Vladimeri  | Lortkipanidze daviti, Chkadua Marine, Margvelashvili Ana   | LEPL - Georgian National Museum     | 2  |
| 97  | FR/308/1-20/14   | <a href="#">Medieval Georgian Literacy in the Christian East and Byzantium (preparation of Georgian and English editions)</a>  | Otkhmezuri Tamari        | Aleksidze Zaza, Rafava Maia, Skhirtladze Zaza, Chitunashvili Dali, Tseradze Tinatini, Kharanauli Ana | LEPL National Centre of Manuscripts | 1  |
| 98  | FR/396/1-10/14   | <a href="#">Tao-klarjeti _ Scholarly Heritage (A monograph, teqxs)</a>   | Surguladze Mzia          | Chkhikvadze Nestan, Kudava Buba, Edisherashvili Eteri, Zhgenti Nikoloz                               | LEPL National Centre of Manuscripts | 1  |
| 99  | FR/196/2-105/14  | <a href="#">Georgian cultural heritage monuments of Artaani: fortifications, cult, communication and domestic architecture, folklore and linguistic evidence</a>   | Futkaradze Tamazi        | Avaliani Temuri, Kakhidze Emzari, Mamuladze Shota, Makaradze Elguja, Futkaradze Ketevani             | Shota Rustaveli State University    | 2  |
| 100 | FR/335/10-160/14 | <a href="#">Research of chemical content of kiwi, feijoa, bilberry and other fruit berries in West Georgia for determination of the optimal regimes of their gathering, storage and packaging</a>  | Japaridze Indira         | Chikovani Darejani, Tchanukvadze Khatuna   | Shota Rustaveli State University    | 10 |



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|-----|------------------|--|---------------------|--|----------------------------------|----|
| 101 | FR/152/9-240/14  | <a href="#">Quantitative analysis of fluorescence characteristics of optically solid, random "phase screen" and spectral analysis of the statistical moments of the correlation function of the intensity of scattered laser radiation</a>   | Ghomidze Nugzari    | Jabnidze Izolda, Khajishvili Miranda, Shashikadze Zurabi, Davitadze Zaza   | Shota Rustaveli State University | 9  |
| 102 | FR/233/5-103/14  | <a href="#">(Co)homological functors and dimension type functions of topological spaces and continuous maps and its applications</a>   | Baladze Vladimeri   | Mdzinarishvili Leonardi, Beridze Anzori, Tsinaridze Ruslani  | Shota Rustaveli State University | 5  |
| 103 | FR/541/1-50/14   | <a href="#">Ethnographic Dictionary of the Georgian People - Adjara</a>  | Mgeladze Nugzari    | Tunadze Temuri, Chokharadze Mariami, Nadiradze Eldari, Tsagareishvili Tamila, Shoshitashvili Nodari, Varshalomidze Jemali                              | Shota Rustaveli State University | 1  |
| 104 | FR/460/10-101/14 | <a href="#">Studying the quarantine disease –Potato Brown Rot and development effective measures of controls</a>   | Meparishvili Galina | Qoqashvili Tamari, Aftsiauri Nani, Toklikishvili Natela, Tediashvili Marine, Muradashvili-Shamilishvili Maka, Sikharulidze Zoia                        | Shota Rustaveli State University | 10 |
| 105 | FR/414/1-10/14   | <a href="#">Abkhazians in Ajara</a>  | Karalidze Jemali    | Diasamidze Revazi, Chokharadze Mariami, Lazba Natalia, Makharashvili Giorgi, Shalikava Marina, Tavdgiridze Manana, Shotadze Ketevani, Kekuladze Guguli | Shota Rustaveli State University | 1  |
| 106 | FR/299/6-110/14  | <a href="#">Study of the Electron Spin Relaxation and Dynamics in the Strongly Anisotropic Materials – La<sub>1-x</sub>Me<sub>x</sub>MnO<sub>3</sub> (where Me = Ca, Pb, Sr; x is the Me doping), High-Tech Compounds (LaGa<sub>1-x</sub>Mn<sub>x</sub>O<sub>3</sub>, KCuF<sub>3</sub>, etc) and in the Spin-Triplet Compounds in the Zero and in the We</a> | Khalvashi Enveri    | Fokina Natalia, Elizbarashvili Maia  | Shota Rustaveli State University | 6  |

## Scientific Fields

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