

**Projects financed by the competition with participation of georgian compatriots working abroad in**

| # | Project code    | Project title   | Project recipient     | Key personnel   | Leading Organization                                      | Research Fields |
|---|-----------------|---|-----------------------|---|---|-----------------|
| 1 | DI/39/1-30/12   | <a href="#">Integral Operators and Boundary Value Problems in New Function Spaces; New Aspects of Fourier Analysis and Wavelet Theory</a> | Kiziria Dodona        | Jokhadze Grigoli, Bolkvadze Tinatini, Futkaradze Natia, Kiziria Dodona  | Giorgi Akhvlediani Society For The History Of Linguistics | 1               |
| 2 | DI/12/3-180/12  | <a href="#">Design of Integrated Wireless System for the Detection of Accidental and Terrorist Explosions and/or Fires in Tunnels</a>     | Marjanishvili Shalva  | Bochorishvili Nika, Chikhradze Mikheili, Mataradze Edgari, Akhvlediani Irakli, Marjanishvili Shalva   | Grigol Tsulukidze Mining Institute                        | 3               |
| 3 | DI/20/8-404/12  | <a href="#">Phytochemical study of different polar extracts from Georgian Ivies and evaluation of their anti-ulcer efficacy</a>           | Mshvildadze Vakhtangi | Mshvildadze Vakhtangi, Dekanosidze Genri, Getia Malkhazi, Tabatadze Nino, Tabidze Badri, Mulkiyaniani Kareni, Novikova Zhana, Sulakvelidze Marine, Moshiasvili Giorgi | Tbilisi State Medical University                          | 8               |
| 4 | DI/41/10-150/12 | <a href="#">Study of DNA markers for detection of genetically modified food</a>   | Muskhelishvili Giorgi | Kutatelidze Tamari, Muskhelishvili Giorgi, Datukishvili Neli, Gabriadze Inga, Karseladze Marina, Zaalishvili Giorgi, Bitskinashvili Kakha                             | Ivane Beritashvili Center of Experimental Biomedicine     | 10              |
| 5 | DI/10/5-101/12  | <a href="#">Asymptotic model of a thin shell</a>  | Shargorodski Evgeni   | Duduchava Rolandi, Buchukuri Tengizi, Tepnadze Giorgi, Tsaava Medea, Shargorodski Evgeni  | Ivane Javakhishvili Tbilisi State University              | 5               |
| 6 | DI/13/5-106/12  | <a href="#">Development of analytical and numerical methods for calculating of cusped prismatic shells and beams</a>                      | Tsikaluri Mikheili    | Dikhamanjia Nana, Chinchaladze Natalia, Tsiklauri Mikheili, Maistrenko Boris, Makharashvili Tamari, Shashiasvili Kakhaberi, Jaiani Giorgi, Rogava Jemali              | Ivane Javakhishvili Tbilisi State University              | 5               |
| 7 | DI/16/5-103/12  | <a href="#">Convex topology: categorial and algorithmic study of polytopes</a>  | Gubeladze Iosebi      | Varamashvili Levan, Gubeladze Ioseb, Bakuradze Malkhaz, Gamkrelidze Aleksandre  | Ivane Javakhishvili Tbilisi State University              | 5               |

|    |                |  |                      |  |  |   |
|----|----------------|--|----------------------|--|--|---|
| 8  | DI/27/5-103/12 | <a href="#">Homological and categorical methods in topology, algebra and theory of stacks</a>  | Pirashvili Teimurazi | Pirashvili Teimurazi, Datuashvili Tamari, Kurdiani Revaz, Pachkoria Irakli, Pirashvili Mariam, Kadeishvili Tornike   | Ivane Javakhishvili Tbilisi State University | 5 |
| 9  | DI/3/5-100/12  | <a href="#">The Theory of Eurasianism and Georgia</a>  | Getsadze Rostomi     | Kokilashvili Vakhtangi, Getsadze Rostomi, Tetunashvili Shaqro, Meskhi Aleksandre, Efremidze Lasha, Paataashvili, Vakhtangi, Tetunashvili Tengizi, Nanobashvili Ilia, Bughadze Vasili | Ivane Javakhishvili Tbilisi State University | 5 |
| 10 | DI/31/6-170/12 | <a href="#">Magnetoelectric effect in perovskite-related oxide materials</a>   | Dumon Ivi            | Shengelaia Aleksandre, Dumon Iv, Chikoidze Ekaterine, Chelidze Tamari, Daraselia Dimitri, Japaridze Daviti, Khazaradze Giorgi  | Ivane Javakhishvili Tbilisi State University | 6 |
| 11 | DI/34/8-318/12 | <a href="#">Development of Locally-Controlled (Managed) Hyperthermia Method by Using of Stable Suspension of Magnetic Nanoparticles and Creation of Relevant Apparatus</a>                         | Surguladze Besiki    | Surguladze Besiki, Pichkhaia Giorgi, Khodeli Nodari, Chkhaidze Zurabi, Mazanishvili Bichiko, Jangavadze Nikheili, Pilishvili Otari   | Ivane Javakhishvili Tbilisi State University | 8 |
| 12 | DI/42/8-313/12 | <a href="#">Amino acid-based biodegradable polymers for improved functional recovery in stem cell therapy for stroke</a>   | Kokaia Zaali         | Kokaia Zaali, Kupatadze Nino, Mchedlishvili Maia, Tatarishvili Jemali  | Ivane Javakhishvili Tbilisi State University | 8 |
| 13 | DI/43/8-314/12 | <a href="#">Cancer Treatment Using Nano-Particles: Understanding Hyperthermia at Cell-level</a>  | Shubitidze Fridoni   | Shubitidze Fridon, Kakulia Daviti, Tavzarashvili Kakhaberi, Shoshiashvili Levani, Kochlashvili Aleksandre  | Ivane Javakhishvili Tbilisi State University | 8 |
| 14 | DI/6/6-300/12  | <a href="#">Successive stage expansion of existing network of small scale Cosmic Ray stations in Georgia with concomitant development of innovative methods of Extensive Air Shower detection.</a> | Iashvili Ia          | Svanidze Manana, Vebetski Iuri, Iashvili Ia, Tskhadadze Edisheri, Kakabadze Levani, Kvavadze Nino  | Ivane Javakhishvili Tbilisi State University | 6 |
| 15 | DI/8/6-100/12  | <a href="#">Cosmological and astrophysical implications of modified theories of gravitation</a>  | Berezhiani Zurabi    | Gogberashvili Merabi, Kobakhidze Archili, Berezhiani Zurabi  | Ivane Javakhishvili Tbilisi State University | 6 |

|    |                |  |                          |   |   |   |
|----|----------------|--|--------------------------|---|---|---|
| 16 | DI/14/6-310/12 | <a href="#">Nonequilibrium phenomena in the solar corona and wind: tools for solar and space weather studies</a>                         | Taktakishvili Aleksandre | Shengelashvili Bidzina, Dumbadze Gulsuni, Chaghiashvili Tamari, Zakarashvili Teimurazi, Kukhianidze Vasili, Mghebrishvili Irakli, Taktakishvili Aleksandre, Pilishvili Elena            | Ilia State University                             | 6 |
| 17 | DI/23/7-230/12 | <a href="#">Thermodynamics of DNA quadruplexes</a>   | Kankia Besiki            | Kankia Besiki, Metreveli Nunu, Lomidze Levani, Gvarjaladze Daviti, Rcheulishvili Olia   | Ilia State University                             | 7 |
| 18 | DI/36/1-30/12  | <a href="#">Space and Tense in Kartvelian Languages</a>  | Tandashvili Manana       | Kobalava Izabela, Tandashvili Manana, Loladze Nana, Lomaia Maia, Gersamia Rusudani, Saghliani Medea   | Ilia State University                             | 1 |
| 19 | DI/38/9-110/12 | <a href="#">Frequency, Duration and Intensity of Extreme Weather and Climate Events Over Georgia: Past, Current and Future Scenarios</a> | Meskhidze Nikoloz        | Meskhidze Nikoloz, Elizbarashvili Mariami, Kutaladze Nato, Mikava Daviti, Kikvadze Bagrati, Managadze Mate  | Ilia State University                             | 9 |
| 20 | DI/44/1-30/12  | <a href="#">The teaching and learning online resources portal for Old and Modern Georgian</a>  | Pataridze Tamari         | Pataridze Tamar, Kighuradze Tinatin, Kutateladze Ekaterine, Lobzhanidze Ivlika  | Ilia State University                             | 1 |
| 21 | DI/30/1-20/12  | <a href="#">Intercultural Model of Georgian Literature and the Issue of National Identity</a>  | Kartozia Aleksandre      | Chitauri Natela, Kartozia Aleksandre, Shamanadze Shorena, Popiashvili Nino, Gagoshashvili Nino, Modebadze Irine, Nebieridze Mariami, Abashidze Zviadi                                   | cross-cultural universum                          | 1 |
| 22 | DI/17/3-101/12 | <a href="#">Dynamic stability of the flexible bearing construction under random seismic effect</a>                                       | Urushadze Shota          | Esadze Sergo, Urushadze Shota, Javakhishvili Giorgi, Pirkulashvili Levano, Zurabishvili Davit   | Georgian technical university                     | 3 |
| 23 | DI/35/8-311/12 | <a href="#">Influence of immunogenetic factors on the course of hepatitis C virus infection</a>  | Gendzekhadze Ketevani    | Kamkamidzen Giorgi, Gendzekhadze Ketevani, Butsashvili Maia, Kandelaki Giorgi, Kajaia Maia, Shatirishvili Gocha, Sidamonidze Ketevani, Lasareishvili Besarioni, Kochlamazishvili Marika | Union of Women and Children Protection of Georgia | 8 |

**Scientific Fields**

|                         |   |                                      |  |                              |                                       |                      |                         |                                   |                              |
|-------------------------|---|--------------------------------------|--|------------------------------|---------------------------------------|----------------------|-------------------------|-----------------------------------|------------------------------|
| <b>Georgian studies</b> | <b>Humanities,economics and social sciences</b> | <b>Engineering,high technologies</b> | <b>Information technologies,telecommunications</b> | <b>Mathematical sciences</b> | <b>Physical and chemical sciences</b> | <b>Life sciences</b> | <b>Medical sciences</b> | <b>Earth sciences,environment</b> | <b>Agricultural sciences</b> |
| 1                       | 2   | 3                                    | 4  | 5                            | 6                                     | 7                    | 8                       | 9                                 | 10                           |