

## Projects received with foreign grants 2018 -2023

Appendix

### Local Grants

№	Grantor	Project Name	Project start and end years	Head of Project	Volume (Amount)	Status Finished/Current	Grant Code
1	Shota Rustaveli National Science foundation	Mathematical analysis of dynamical mixed transmission problems of thermo-electro-magneto elasticity theory and related interaction problems of different dimensional fields	25.02.2019-25.10.2021	David Natroshvili	160 000 GEL	Finished	FR-18-126
2	Shota Rustaveli National Science foundation	Measures on algebraic-topological structures and their applications	2019-2022	A. Kirtadze	205 800 GEL	Finished	FR-18-6190

3	Shota Rustaveli National Science foundation	New approaches in modern analysis on metric spaces, multidimensional and Applied Harmonic Analysis. Applications to PDEs	22.02.2019-21.02.2022	Vakhtang Kokilashvili	203500 GEL	Finished	FR-18-2499
4	Shota Rustaveli National Science foundation	Integral Operators in Non-standard Function Spaces; New Aspects of Fourier Analysis and Wavelet Theory	13.12.2018-12.12.2021	Rostom Getsadze	199470 GEL	Finished	DI-18-118
5	Shota Rustaveli National Science foundation	Some contact and boundary value problems of viscoelastic dynamics and nonlinear oscillation	15.03.2022-15.03.2025	Nugzar Shavlakadze	222,000 GEL	Current	FR-21-7307
6	Shota Rustaveli National Science foundation	Investigation and approximate solution of some nonlinear partial differential and integro-differential models	15.03.2022-15.03.2025	Temur Jangveladze	239 200 GEL	Current	FR-21-2101

7	Shota Rustaveli National Science foundation	Set-theoretical aspects of the measure extension problem	2021-2023	Mariam Beriashvili	57000 GEL	Current	YS-21-1667
8	Shota Rustaveli National Science Foundation	Development of spectrally and energy-efficient coded modulation systems with low implementation complexity for inter-device communication using multi-antenna technologies	2020-2023	Sergo shavgulidze	187 600 GEL	Finished	FR-19-105
9	Shota Rustaveli National Science Foundation	Development of new stochastic models for increasing the reliability of modern telecommunication systems	2022-2024	Sergo shavgulidze	140 000 GEL	Current	STEM-22-340

10	Shota Rustaveli National Science Foundation of Georgia	Investigation of statistical moments of scattered electromagnetic waves in the Earth's atmosphere and their use.	2022-2024	Giorgi Jandieri/ Nino Mchedlishvili		current	FR-21-316
11	Shota Rustaveli National Science Foundation Georgia	Development of boron-containing complex for ligature multifunctional alloys on the basis of steelmaking waste by high-temperature synthesis and metallurgy method	2022-2024	Levan Chkhartishvili	140,000 GEL	Current	STEM-22-761
12	Shota Rustaveli National Science Foundation Georgia	Preparation and structural-morphological characterization of nanopowders of boron compounds doped with ferromagnetic clusters	2022-2023	Shio Makatsaria (Levan Chkhartishvili – supervisor of doctoral student)	21,000 GEL	Current	PHDF-22-1299

13	Shota Rustaveli National Science Foundation Georgia	Synthesis and research of wide-bandgap semiconductor nanomaterials for use in UV photodetectors	2019-2021	Aleksandre Jishiashvili (Levan Chkhartishvili – mentor of a young scientist)	839540 Lari	Finished	AR-18-1045
14	Shota Rustaveli National Science Foundation	Identification of rolling stock in real time	28/11/ 2022-28/10/2024	Lily Petriashvili	180000 GEL	Current	AR-22-668
15	Shota Rustaveli National Science Foundation	Opto-sensor electro-musical instrument with remote control	26.09.2022 5.04.2023	Zaal Azmaifarashvili Ilia Mosashvili	12000 GEL	Finished	SCR-22-355
16	Shota Rustaveli National Science Foundation	Laboratory biocamera with microprocessor control	30.09.2020 10.04.2023	Nona Otkhozoria Irakli Stepnadze	12000 GEL	Finished	SCR-22-425

17	Shota Rustaveli National Science Foundation	Development and Research of Blockchain-Based Biometric Electoral System	2018-2020	Archil Frangishvili Levan Imnaishvili	25450 GEL	Finished	KA107-2016-1
18	Shota Rustaveli National Science Foundation Georgia	Investigation of localized plastic areas and plastic zone in low-cycle fatigue deformation in martensitic grade Cr steels used in nuclear power and industry	2016-2019	Tamaz Eterashvili	210,000 GEL	Finished	№CARYS-19-297
19	Shota Rustaveli National Science Foundation Georgia	Development of a new method for optical spectrometry of viruses (Spectrovir-1)	31.07.2020 - 31.07.2021	Paata Kervalishvili	246 800 GEL	Finished	№CARYS-19-297
20	Shota Rustaveli National Science Foundation Georgia	Development and research of new nanomaterials for self-regulating (Curie temperature limited) magnetic hyperthermia of cancer cells	2018-2020	Archi Chirakadze	28444 GEL	Finished	SRNSF-STCU #7089

