

**LIST
OF RESEARCH PROJECTS RECOMMENDED FOR FUNDING UNDER THE
"SUPPORT PROGRAM FOR YOUNG POSTGRADUATE AND PHD STUDENTS-2023" CALL**

1	Biological Sciences	23AA-1F011	Abaghyan Tamara Eduard	The impact of organic acids on the main physiological and biochemical characteristics of microbes	SNCO MESCS RA "Yerevan State University"
2	Physics and Astronomy	23AA-1C032	Adamyan Zhirayr Ashot	Some problems of low dimensional quantum magnetism	SNCO MESCS RA "Yerevan State University"
3	Biological Sciences	23AA-1F010	Aleksanyan Tigran Makedon	Study of probiotic properties of lactic acid bacteria isolated from vaginal microbiome	SNCO MESCS RA "Yerevan State University"
4	Mathematics	23AA-1A028	Arman Artur Bayramyan	Infinite periodic groups and probabilistic identities on groups	SNCO MESCS RA "Yerevan State University"
5	Physics and Astronomy	23AA-1C023	Artur Hoghmrtsyan Andranik	Studies of Electromagnetic calorimeter in the ePIC experiment for the Electron Ion Collider (EIC)	"A.Alikhanyan National Laboratory (Yerevan Physics Institute)" Foundation of MES RA
6	Biological Sciences	23AA-1F008	Avagyan Gevorg	Assessment of histological and physiological changes in some internal organs of rats and mice under the Macrovipera lebetina obtusa envenomation	SNCO MESCS RA "Yerevan State University"
7	Chemistry	23AA-1D001	Avagyan Katya Arsen	Synthesis of substituted dihydro- and tetrahydropyridines by interaction of N-arylamidoethers of malonic acid with electrophilic alkenes	SNCO NAS RA "Scientific Technological Center of Organic and Pharmaceutical Chemistry"
8	Chemistry	23AA-1D026	Ayvazyan Tigran	Oxidation of ultra-high temperature materials under proton irradiation	SNCO NAS RA "A.B. Nalbandyan Institute of Chemical Physics"
9	Chemistry	23AA-1D018	Bagdasarian Samvel	Synthesis of functionally substituted cyclopropanes and physiologically active compounds based on them	SNCO MESCS RA "Russian-Armenian (Slavonic) University"
10	Economics and Business	23AA-5B013	Danielyan Gyulnara Samvel	Prospects of artificial intelligence based innovative defense industry development in Armenia	Other
11	Science of Machines and Mechanical Engineering	23AA-2D019	Davtyan Albert Harutyun	Improvement of technological parameters of new CF and non-CF ultrahigh vacuum flanges used in accelerator technology	SNCO SCS MESCS RA "CANDLE - Center for the Advancement of Natural Discoveries using Light Emission"
12	Biological Sciences	23AA-1F043	Ghevondyan Diana Hamlet	Exploring extracellular polymeric substances production by thermophiles: Insights into composition and environmental applications	SNCO MESCS RA "Yerevan State University"
13	Biological Sciences	23AA-1F035	Ghukasyan Lilit Gor	Analysis of expression of inflammasome genes in Familial Mediterranean Fever	SNCO NAS RA "Institute of Molecular Biology"
14	Biological Sciences	23AA-1F037	Grigoryan Vahan Suren	Refining of Peripheral Nerve Regeneration using Decellularized Scaffolds, Paracrine Factors and Various Cell Combinations.	SNCO NAS RA "L.A. Orbeli Institute of Physiology"

15	Soil Science, Agro chemistry, Plant Protection	23AA-4C004	Harutyunyan Anna Samvel	Hydrochemical study of groundwater in Armavir marz and assessment of irrigation properties	SNCO MESCS RA "Yerevan State University"
16	Informatics and Computer sciences	23AA-1B006	Hovhannisyan Olga Armen	Aerial image processing and analysis system	SNCO MESCS RA "Russian-Armenian (Slavonic) University"
17	Physics and Astronomy	23AA-1C027	Hovhannisyan Tigran Nairi	Investigation of electromagnetic activity of neural networks	SNCO MESCS RA "Yerevan State University"
18	Science of Machines and Mechanical Engineering	23AA-2D015	Isunts Hamlet Arayik	Research and development of mechanical and vacuum connections of parts in the process of accelerator output windows fabrication	SNCO SCS MESCS RA "CANDLE - Center for the Advancement of Natural Discoveries using Light Emission"
19	Chemistry	23AA-1D021	Khachatryan Arakel Emma	Asymmetric synthesis and study of biological activities of (S)- α -alanine analogues containing alkynole and piperazine substituents at the β -position.	SNCO MESCS RA "Yerevan State University"
20	Biological Sciences	23AA-1F022	Khachatryan Gor Armen	Ecological risk assessment of the distribution of trace elements in the river basin of Lake Sevan catchment	SNCO NAS RA "Scientific Center of Zoology and Hydroecology- Institute of Zoology"
21	Physics and Astronomy	23AA-1C017	Kharatyan Gor Tsolak	The role of impurities and excitonic complexes in oxide and semiconductor materials	SNCO NAS RA "Institute for Physical Research"
22	Informatics and Computer sciences	23AA-1B009	Kirakosyan Lilia Hayk	Radiosignals detection, classification and jamming system development	SNCO MESCS RA "Russian-Armenian (Slavonic) University"
23	Biological Sciences	23AA-1F024	Lalayan Gayane	Psychophysiological features of the functional model of decision making among athletes in competitive activity	Other
24	Biological Sciences	23AA-1F003	Manoyan Jemma Gurgun	Application of industrial and household wastes to obtain the biomass and biohydrogen in green algae	SNCO MESCS RA "Yerevan State University"
25	Physics and Astronomy	23AA-1C031	Manvelyan Manvel Tigran	Investigation of correlation between optical-UV-IR-X-ray and gamma-ray emission from blazars	ICRANet-Centre Yerevan
26	Economics and Business	23AA-5B025	Margaryan Andranik Atom	Problems of ensuring the inclusiveness of economic growth and overcoming inequality in the Republic of Armenia	Other
27	Physics and Astronomy	23AA-1C030	Margaryan Meri Karapet	Linear quantum level-crossing two-state models in terms of the Heun functions	SNCO NAS RA "Institute for Physical Research"
28	Biological Sciences	23AA-1F042	Mazmanyanyan Meri Arthur	Fauna and ecology of Cicadomorpha (Hemiptera) of Armenia	SNCO NAS RA "Scientific Center of Zoology and Hydroecology- Institute of Zoology"
29	Nanotechnology	23AA-2J029	Melikyan Yeghvard Mgher	Synthesis of two-dimensional atomic layer structures and their application in nano-bio-sensors	SNCO NAS RA "A.B. Nalbandyan Institute of Chemical Physics"
30	Informatics and Computer sciences	23AA-1B005	Melkonyan Vahagn Gevorg	Development of an UAV autopilot for tracking targets by using computer vision	SNCO MESCS RA "Russian-Armenian (Slavonic) University"
31	Physics and Astronomy	23AA-1C044	Mkhitarian Nune Norik	New multifunctional material for radiation balanced laser with radiation self frequency doubling	SNCO NAS RA "Institute for Physical Research"
32	Physics and Astronomy	23AA-1C014	Mkrtchyan Haykuhi Avag	PROTON-INDUCED OBTAINING OF SOME APPLIED USE ISOTOPES OF TERBIUM (TB) ON CYCLOTRON C18/18	"A.Alikhanyan National Laboratory (Yerevan Physics Institute)" Foundation of MES RA
33	Physics and Astronomy	23AA-1C016	Movsisyan Artyom	Enhanced tunable microwave coupling and control through metaelement based nanostructures	SNCO MESCS RA "Yerevan State University"

34	Biological Sciences	23AA-1F036	Nikolyan Sona Hazarapet	The role of bioenergetic characteristics in the mechanisms of microbial metal resistance	SNCO MESCS RA "Yerevan State University"
35	Materials Engineering	23AA-2F033	Petrosian Nane	Computational search of novel sodium-ion solid-state electrolytes	SNCO MESCS RA "Yerevan State University"
36	Earth and Related Environmental Sciences	23AA-1E034	Sahakyan Nare Henrik	The ore body contouring optimization due to ore extraction technology	SNCO MESCS RA "State Engineering University of Armenia"
37	Informatics and Computer sciences	23AA-1B007	Sahakyan Vardan Rafiki	GPS-independent positioning and navigation system	SNCO MESCS RA "Russian-Armenian (Slavonic) University"
38	Physics and Astronomy	23AA-1C040	Sahakyan Yuri Sargis	Investigation of optical rectification of laser radiation in nonlinear crystals	SNCO MESCS RA "Yerevan State University"
39	Biological Sciences	23AA-1F020	Satenik Mkrtchyan Levon	RECONSTRUCTION OF SUBSISTENCE STRATEGIES OF CHALCOLITHIC SETTLERS AT YEGHEGIS-1 ROCK SHELTER BASED ON MOLECULAR, ZOOARCHAEOLOGICAL, AND ISOTOPIC STUDY OF FOSSIL DATA	SNCO NAS RA "Institute of Molecular Biology"
40	Biological Sciences	23AA-1F012	Tadevosyan Silvard Karen	From plants to pathogens: a study on antimicrobial activity and mode of action of bioactive plant-origin substances	SNCO MESCS RA "Yerevan State University"
41	Biological Sciences	23AA-1F041	Tigranyan Margarit Artur	Fauna and ecological features of thrips (Insecta, Thysanoptera) of the Republic of Armenia	SNCO NAS RA "Scientific Center of Zoology and Hydroecology- Institute of Zoology"
42	Materials Engineering	23AA-2F039	Torosyan Mikayel Samvel	Composition development of polymer-antibiotic composites for 3D-printable bio-implants	SNCO MESCS RA "Yerevan State University"