

ANSEF 2021 Awards

| | Proposal Title | Proposal PI | Affiliation |
|--------------------|--|------------------------------|--|
| Engineering* | <i>Development Of Black Silicon Photodetector For Spectroscopic Application</i> | Khachatryan Mane | State Engineering University of Armenia |
| Humanities* | <i>"Armenian Manuscript Illumination" Project</i> | Sargsyan Lusine | "Matenadaran" Mesrop Mashtots Research Institute of Ancient Manuscripts |
| Natural Sciences | <i>Molecular Insights Into Palaeoecology And Early Human Occupation Of Artsakh Region</i> | Antonosyan Mariya | Institute of Molecular Biology, NAS |
| Natural Sciences | <i>AI-based Drug Repositioning For Covid-19 With Multimodal Biological Data</i> | Arakelyan Arsen | Institute of Molecular Biology, NAS |
| Natural Sciences | <i>The Effect Of African Swine Fever Virus On The Resident Macrophage Cell Cycle Profile</i> | Avagyan Hranush | Institute of Molecular Biology, NAS |
| Natural Sciences | <i>Paramecium Caudatum As A Possible Ecological Niche For African Swine Fever Virus</i> | Bayramyan Nane | Institute of Molecular Biology, NAS |
| Natural Sciences | <i>Prospects For The Use Of Chemolytotoautotrophic Ralstonia Eutropha Hydrogenases In Enzymatic Fuel Cells</i> | Blbulyan Syuzanna | Yerevan State University |
| Natural Sciences | <i>Stimulation Of The Regenerative, Protective Mechanisms In Experimental Post-stroke Conditions</i> | Danielyan Kristine | Institute of Biochemistry, NAS |
| Natural Sciences* | <i>Engineering And Testing Of 3d Bioprinted Heart Valves Using Biocompatible Biopolymers</i> | Ghandilyan Emmanuel | Institute of Physiology, NAS |
| Natural Sciences* | <i>Evaluation Of Antiviral Activity Of Zinc And Copper Against Asfv In Vitro</i> | Hakobyan Astghik | Institute of Molecular Biology, NAS |
| Natural Sciences | <i>Biodiversity Studies Of Limnic Wetlands With Special Reference To Aquatic Invertebrates – A Key For Assessing The State Of Their Habitats</i> | Jenderedjian Karen | Institute of Hydroecology and Ichthyology, NAS |
| Natural Sciences | <i>Diversity, distribution and conservation of spiders of Armenia.</i> | Kosyan Armine | Yerevan State University |
| Natural Sciences | <i>Immunophenotyping As An Effective Tool For Discriminating Cell Subsets And Subclones</i> | Manukyan Gayane | Institute of Molecular Biology, NAS |
| Natural Sciences | <i>Metagenomic exploration of plastic degrading microbes and their enzymes for bioremediation of the polluted environment</i> | Margaryan Armine | Yerevan State University |
| Natural Sciences | <i>Investigation Of New Anticonvulsant Drugs By Psychotropic Properties</i> | Paronikyan Ruzanna | Scientific Technological Center of Organic and Pharmaceutical Chemistry, NAS |
| Natural Sciences | <i>New Propargylglycine Derivatives As A Potent Aldose Reductase Inhibitors</i> | Sargsyan Armen | Scientific and Production Center "Armbiotechnology" NAS |
| Natural Sciences | <i>Changes In The Activity Of Adenosine Deaminase And Its Isoforms (ada1 And Ada2) In The Blood Plasma Of Diabetic Patients With Different Pathological States</i> | Sarkisyan Elmira | Institute of Biochemistry, NAS |
| Natural Sciences | <i>Change Of Gut Microbiota Composition After Chemotherapy Of Children With Leukemia</i> | Soghomonyan (hakobyan) Diana | Hematology Center after Prof. R Yeolyan |
| Natural Sciences | <i>Multi-Target In Silico Studies Of New Agents Against Antibiotic-Resistant Pathogenic Bacteria</i> | Tiratsuyan Susanna | Russian-Armenian State University |
| Natural Sciences | <i>Investigation of the pathological mechanisms underlying the developmental and epileptic encephalopathies associated with KCNB1 gene mutations.</i> | Vardanyan Vitya | Institute of Molecular Biology, NAS |
| Natural Sciences | <i>Study Of Host Antimicrobial Peptides Against African Swine Fever Virus</i> | Zakaryan Hovakim | Institute of Molecular Biology, NAS |
| Physical Sciences | <i>Maximum Entropy: Efficient Implementation And Validity Limits</i> | Allahverdyan Armen | Alikhanyan Physics Institute |
| Physical Sciences* | <i>The Origin Of The Runaway Stars In Vel OB1 Association</i> | Azatyan Naira | Byurakan Astrophysical Observatory, NAS |
| Physical Sciences | <i>Broadband Study Of Blazars: Data Analysis And Modeling</i> | Gasparyan Sargis | Icranet Center International Organization, NAS |
| Physical Sciences | <i>Quantum Transmission Of Nonlinear Matter-waves Through Nanostructures</i> | Ishkhanyan Artur | Institute for Physical Research, NAS |
| Physical Sciences | <i>Discovery And Study Of New White Dwarfs Using Gaia Accurate Astrometry</i> | Mickaelian Areg | Byurakan Astrophysical Observatory, NAS |
| Physical Sciences | <i>Localized Magnon States, Magnetoelectric And Magnetocaloric Effects In Low-dimensional Quantum Spin Models.</i> | Ohanyan Vadim | Yerevan State University |
| Physical Sciences* | <i>Extensions of ODE / IM correspondence for super symmetric theories</i> | Poghosyan Hasmik | Alikhanyan Physics Institute |

* Young Scientists Support Program Award