

# 2014 ANSEF AWARDS

Arakelyan	Arsen		INSTITUTE OF MOLECULAR BIOLOGY	<i>Multiclass growing support set algorithm for analysis of high-throughput gene expression data</i>
Asilbekyan	Shushan	*	H. ATCHARIAN INSTITUTE OF LANGUAGE, NAS	<i>Formal description of Armenian language vocabulary and creation of the corresponding electronic database</i>
Avetisyan	Sona		INSTITUTE OF BIOTECHNOLOGY	<i>Melanin from <i>Bacillus thuringiensis</i> as a phytostimulator in agriculture</i>
Bazukyan	Inga		YEREVAN STATE UNIVERSITY	<i>Investigation of antifungal agent synthesized by lactic acid bacteria isolated from sheep and buffalo Armenian dairy products</i>
Dallakyan	Marina		YEREVAN STATE UNIVERSITY	<i>Varietal Identification And Genetic Pasportization Of Autochthon, Old, Long-Neglected, Endangered Cultivated Grapevine In Armenia.</i>
Gevorgyan	Ashot		YEREVAN STATE UNIVERSITY	<i>The Diode Effect, Density of States and Density of the Accumulated Light Energy in Finite Cholesteric Liquid Crystal Layers with Graded Parameters</i>
Ghazaryan	Narine	§	INSTITUTE OF PHYSIOLOGY, NAS	<i>Anti-tumor effect investigation of obtustatin and crude <i>Macrovipera lebetina obtusa</i> venom</i>
Gzoyan	Edita		MUSEUM-INSTITUTE OF GENOCIDE, NAS	<i>Claiming Reparations for the Armenian Genocide: European Court of Human Rights</i>
Hakobyan	Artur	**	BYURAKAN ASTROPHYSICAL OBSERVATORY, NAS	<i>Study of Supernovae and their host galaxies in the far (<math>z \sim 0.3 - 0.6</math>) Universe</i>
Hakobyan	Tigran		YEREVAN STATE UNIVERSITY	<i>Spherical systems related to the rational Calogero models</i>
Hayrapetyan	Tigran		NO AFFILIATION	<i>Voles as bioindicators and their role in ecosystems</i>
Hovhannisyan	Astghik	*	MOLECULAR STRUCTURE RESEARCH CENTER, NAS	<i>Low-temperature spectral study of NO reaction with six-coordinate nitrate complexes of heme-modeling iron porphyrins</i>
Karagyan	Gayane		INSTITUTE OF ZOOLOGY, NAS	<i>Evaluation of cyto- and genotoxic impact of heavy metal pollution on natural populations of some groups of animals in mining areas of Lori Province, Armenia</i>
Khoyetsyan	Aren		INSTITUTE OF MOLECULAR BIOLOGY, NAS	<i>Study of common variants in the CDC42 and RND proteins (small GTPases) genes and its functional properties in schizophrenia</i>
Manaselyan	Aram	*	YEREVAN STATE UNIVERSITY	<i>Spin interactions in magnetic and non-magnetic quantum rings and their applications</i>
Manukyan	Gayane		INSTITUTE OF MOLECULAR BIOLOGY OF NAS	<i>Investigations of the autoinflammatory mechanisms in familial Mediterranean fever using in vitro model of autologous and heterologous serum-mediated neutrophil activation</i>
Martirosyan	Garik		MOLECULAR STRUCTURE RESEARCH CENTRE OF INSTITUTE OF FINE ORGANIC CHEMISTRY, NAS	<i>Spectroscopic detection of the intermediates upon nitric oxide dioxygenation reaction.</i>
Mickaelian	Areg		BYURAKAN ASTROPHYSICAL OBSERVATORY	<i>X-ray properties of active galaxies</i>
Mouradian	Levon		YEREVAN STATE UNIVERSITY	<i>Novel Techniques Of Signal Characterization On Femtosecond Timescale: Similariton-Based Spectral Interferometry And Spectrotemporal Imaging</i>
Muradyan	Gevorg		YEREVAN STATE UNIVERSITY	<i>Atom Interferometer For Precise Measurement Of Earth's Local Gravity: Towards Quantum Sensors</i>
Panosyan	Hovik		YEREVAN STATE UNIVERSITY	<i>Thermophilic microbes from armenian geothermal springs and their biotechnological potential</i>
Petrosyan	Satenik		YEREVAN STATE UNIVERSITY	<i>Asymmetric synthesis of novel optically active non-protein <math>\alpha</math>-amino acids with unsaturated acetylene bonds</i>
Poghosyan	Armen		NO AFFILIATION	<i>The parallel molecular dynamics simulation of mixed lipid bilayers in aspect of phylogenetic development of vertebrates (updated)</i>
Poghosyan	Armen		INSTITUTE FOR PHYSICAL RESEARCH	<i>Transparent electronics on the base of conducting zinc oxide thin film structures</i>
Sarukhanyan	Flora		INSTITUTE OF BIOCHEMISTRY, NAS	<i>Determination of the effect of LVV-hemorphin-3 on secretion and plasma concentrations of insulin and glucagon in pathophysiology of streptozotocin-induced diabetes</i>
Sedrakyan	Anahit		INSTITUTE OF MICROBIOLOGY, NAS	<i>Molecular characterization of genetic basis of multi-drug resistance in non-typhoidal <i>Salmonella enterica</i> strains isolated from patients in Armenia</i>
Trchounian	Karen	*	YEREVAN STATE UNIVERSITY	<i>Mixed carbon fermentation: novel approach for enhanced H<sub>2</sub> production by <i>Escherichia coli</i></i>
Vardanyan	Arman		STATE ENGINEERING UNIVERSITY OF ARMENIA	<i>Effect Of Negative Ions On Atmospheric Processes</i>
Yeghikyan	Vahagn	*	YEREVAN STATE UNIVERSITY	<i>Integrable quantum mechanical systems on curved spaces</i>
Yenkoyan	Konstantin		YEREVAN STATE MEDICAL UNIVERSITY AFTER M. HERATSI, BIOCHEMISTRY DEPARTMENT	<i>The Role Of Adaptive And Innate Immune Responses In Autism</i>
Zeytunyan	Aram		YEREVAN STATE UNIVERSITY	<i>Effective spectral focusing for CARS spectroscopy / microscopy</i>

\* Armenian National Young Scientists Award

\*\* The William Mesrobian Astronomy Award

§ The Josephine Hopkins Memorial Award