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Education

Institution	Yerevan State University
Faculty	Physics
Date	1989 - 1991
Degree name	Qualified specialist

Scientific Rank/degree

Date	2014
Degree name	Associate professor

Date	1998
Degree name	Candidate
Scientific Supervisor	Belubekyan Mels
Research Topic	The influence of moment stresses and a layered structure on the propagation of localized shear waves

Language skills

Հայերեն English Русский

Work experience

Institution	Yerevan State University
Period of time	2022 till now
Rank/degree	Senior researcher

Publications

Article

Determining the minimum force to insert or remove a cork from a sealed cylinder
Vardan Manukyan, Gagik Nikoghosyan

Physics Education 2026 013006

https://doi.org/10.1088/1361-6552/ae2e76

Article

Electromagnetic Wightman functions and vacuum densities for a brane intersecting the AdS boundary
A.A. Saharian, R.M. Avagyan, V.F. Manukyan

Nuclear Physics B 2026 117548

https://doi.org/10.1016/j.nuclphysb.2026.117548

Article

Finite temperature fermionic charge and current densities in conical space with a circular edge
A. A. Saharian, V.F. Manukyan, T.A. Petrosyan

Physical Review D 2025 065006

Article

From Kinematics to the Formulas for the Radius of Curvature
Vardan Manukyan, Gagik Nikoghosyan

The Physics Teacher 2024 763 - 765

Article

Determining the centres of mass of a circular arc and a circular sector using the principle of virtual work
Vardan Manukyan, Gagik Nikoghosyan

Physics Education 2023 045004

Article

Electromagnetic vacuum stresses and energy fluxes induced by a cosmic string in de Sitter spacetime
A.A, Saharyan, V.F. Manukyan, V. Kh. Kotanjyan, A. A. Grigoryan

International Journal of Modern Physics D 2023 2350042

Article

Fano resonance model for the processes of photoionization of two-well heterostructures in a transverse electric field
G. Nikoghosyan, H. S. Nikoghosyan, V. F. Manukyan, S. L. Harutyunyan

Physica E: Low-dimensional Systems and Nanostructures 2021 114587

Article

Non-Monotone Dispersion of Carriers in Size-Quantized Nanostructures with Violated Symmetries
G. H. Nikoghosyan, H. S. Nikoghosyan, S. L. Harutyunyan, V. F. Manukyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2020 345 - 353

Article

Effect of Self-Induced Transparency in a Massive of Spherical Quantum Dots Under the

Conditions of Strong Dimensional Quantization
G. H. Nikoghosyan, H. S. Nikoghosyan, V. F. Manukyan, S. L. Harutyunyan

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Article

Quantum Model of a Trapezoidal Limiting Potential Profile in a Spherical Nanocrystal
G. H. Nikoghosyan, H. S. Nikoghosyan, S. L. Harutyunyan, V. F. Manukyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2019 345–350

Article

Coherent bleaching of the medium with Raman scattering under conditions of strong size quantization
G. H. Nikoghosyan, H. S. Nikoghosyan, S. L. Harutyunyan, V. F. Manukyan

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Article

The phenomenon of nonstationary nutation in the system of two-level quantum wells of a periodic superlattice with strong magnetic quantization
G. H. Nikoghosyan, H. S. Nikoghosyan, V F Manukyan

Journal of Physics Conference Series 2019 055004

Article

Electromagnetic vacuum densities induced by a cosmic string
A. A. Saharian, V. F. Manukyan, N. A. Saharyan

Particles 2018 175-193

Article

Electromagnetic vacuum fluctuations around a cosmic string in de Sitter spacetime
A. A. Saharian, V. F. Manukyan, N. A. Saharyan

The European Physical Journal C 2017 478, 13

http://link.springer.com/journal/10052

Article

Electromagnetic Casimir densities for a cylindrical shell on de Sitter space
A.A. Saharian, V.F. Manukyan, N.A. Saharyan

International Journal of Modern Physics A 2016 1650183-29

http://www.worldscientific.com/worldscinet/ijmpa

Article

Scalar Casimir densities induced by a cylindrical shell in de Sitter spacetime
A. A. Saharian, V. F. Manukyan

Classical and Quantum Gravity 2015 025009,23

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Conference

Electromagnetic Casimir densities for a cylindrical boundary in de Sitter spacetime
V. F. Manukyan, A. A. Saharian

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