Ani Arthur Avetisyan

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Կոնդենսացված վիճակի ֆիզիկայի կենտրոն
Մակրոմոլեկուլների ֆիզիկայի լաբորատորիա
Scientific Worker

Research Institute of Physics
Կոնդենսացված վիճակի ֆիզիկայի կենտրոն
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Scientific Worker

Institute of Physics
Chair of Theoretical and Mathematical Physics
Assistant

STEM School
Tutor

Education

Institution	Yerevan State University
Faculty	Physics, Molecular physics
Date	2011 - 2015
Degree name	Applicant

Institution	Yerevan State University
Faculty	Physics, Molecular physics
Date	2006 - 2008
Degree name	Masters

Institution	Yerevan State University
Faculty	Physics, Molecular physics
Date	2002 - 2006
Degree name	Bachelor

Scientific Rank/degree

Institution	Yerevan State University
Date	2016
Degree name	PhD
Scientific Supervisor	Dalyan Yeva
Research Topic	The Features of Interactions of Porphyrins with A-DNA

Language skills

Work experience

Institution	Yerevan State University
Period of time	2009 till now
Rank/degree	assistent

Publications

Article

The Influence of X-ray Radiation on DNA and Platinated DNA Complexes in the Presence of Porphyrin

A. Avetisyan, L. Mkrtchyan, S. Khosrovyan, M. Avetisyan, G. Ananyan, L. Aloyan

Radiation Physics and Chemistry 2026 113890

https://www.sciencedirect.com/science/article/pii/S0969806X26003002?via%3Dihub

Article

Investigating the impact of metalloporphyrins on DNA damage during electron beam irradiation

A. Avetisjan, L. Mkrtchyan, S. Khosrovyan, L. Aloyan

Nuclear Instruments and Methods in Physics Research Section A Accelerators Spectrometers Detectors and Associated Equipment
2025 170328

Article

INFLUENCE OF CATIONIC PORPHYRINS ON CISPLATIN-MODIFIED DNA

G. V. Ananyan, Ye. B. Dalyan, L. R. Aloyan, A. A. Avetisyan, N. H. Karapetyan

Proceedings of the YSU B Chemical and Biological Sciences 2025 43–56

Conference

Investigating the Impact of Metalloporphyrins on DNA Damage During Eletron Beam Irradiation

A. Avetisyan, L. Aloyan, L. Mkrtchyan, S. Khosrovyan

2024 148 - 148

https://www.lnf.infn.it/conference/channeling2024/

Conference

The investigation of irradiation effect on DNA/cisplatin complexes in presence of AgTOEPyP4 Porphyrin by absorption spectroscopy method

Ani Avetisyan, Lusine Mkrtchyan, Lusine Aloyan

2024 86-87

https://indico.cern.ch/event/1400449/

Conference

Investigation of irradiated DNA/porphyrin complexes by optical methods

Lusine Aloyan, Ani Avetisyan

2024 46 - 47

https://indico.cern.ch/event/1400449/

Article

Spectral Study of the Binding of TMetAlPyP3 and ZnTMetAlPyP3 Porphyrins to DNA
L. R. Aloyan, A. A. Avetisyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2023 99–103

Article

Interaction of MnTOEtPyP4 porphyrin with DNA
Gayane V. Ananyan, Yeva B. Dalyan, Nelli H. Karapetyan, Vigen G. Barkhudaryan, Ani A. Avetisyan

Journal of Biomolecular Structure and Dynamics 2023 7290-7296

Article

Influence of Cation Porphyrins on DNA Damage during Irradiation by X-rays
L Aloyan, A Avetisyan, V Arakelyan, H Margaryan

Journal of Physics Conference Series 2023 012009

Conference

Influence of Cation Porphyrins on DNA Damage during Irradiation by X–rays
L.R. Aloyan, A.A. Avetisyan, V.B. Arakelyan, H.G. Margaryan

2023 53 - 53

https://school.iapp.am/publications/book_of_abstract/

Conference

The Influence of Porphyrins on DNA Damage Induced by Electron Beam
L. Aloyan, V. Arakelyan, A. Avetisyan, H. Margaryan

2023 131 - 131

https://conference.iapp.am/

Article

FLAP Collaboration: Tasks and Perspectives.Study of Fundamentals and New Applicationsof Controllable Generation of Electromagnetic Radiationby Relativistic Electrons Using Functional Materials
L. Aloyan, A. Avetisyan, Y. Dalyan, L. Grigoryan, N. Karapetyan, V. Kocharyan, A. Mkrtchyan,

A. Movsisyan, A. Saharian, A. Shahbazyan, A. Baldin, 37

Physics of Particles and Nuclei Letters 2021 338–353

Conference

The effect of the molecular mass of PEG on the nature of its interaction with DNA
Ani A. Avetisyan, Gayane V. Ananyan, Vigen G. Barkhudaryan

2019 86 - 87

https://www.scientia.global/anam2019-showcasing-nanoscience-fostering-internati...

Article

Thermodynamics of interaction of meso-tetra-(4Noxyethylpyridyl) porphyrin and its Cu(II)- and Co(II)- containing derivatives with A and B forms of DNA
Ani A. Avetisyan, Ishkhan V. Vardanyan, Yeva B. Dalyan

Journal of Porphyrins and Phthalocyanines 2017 731-738

Conference

The comparative study of H2TOEPyP4 and CoTOEPyP4 porphyrins with A-DNA
A. Avetisyan, Y. Dalyan

2015 87

http://dx.doi.org/10.1080/07391102.2015.1032624

Conference

The comparative study of CuTOEPyp4-porphyrin with A- and B-forms of DNA
A.A.Avetisyan, Y.B.Dalyan

2015 85-86

Article

INTERACTION OF TOEPyP4 PORPHYRIN WITH A FORM OF DNA.

A. A. Avetisyan

Proceedings of the YSU A Physical and Mathematical Sciences 2014 43-48

http://www.ysu.am/science/en/journals

Article

THERMODYNAMICS OF INTERACTIONS OF CoTOEPyP4 PORPHYRIN WITH A-DNA.
A.A. Avetisyan, Ye.B. Dalyan

Proceedings of the YSU B Chemical and Biological Sciences 2014 40-45

http://www.ysu.am/science/hy/journals

Article

The stability of DNA–porphyrin complexes in the presence of Mn(II) ions.
G. Ananyan, A. Avetisyan, L. Aloyan, Y. Dalyan

Biophysical Chemistry 2011 96-101

http://www.elsevier.com/locate/biophyschem