

# Ani Arthur Avetisyan

✉ aavetisyan@ysu.am

## Research Institute of Physics

Laboratory of Physics of Macromolecules

Researcher

## Education

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

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

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

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## Scientific Rank/degree

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<b>Institution</b>	Yerevan State University
<b>Date</b>	2016
<b>Degree name</b>	Postgraduate
<b>Scientific Supervisor</b>	Dalyan Yeva
<b>Research Topic</b>	The Features of Interactions of Porphyrins with A-DNA

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## Language skills

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Հայերեն Русский English

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## Work experience

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<b>Institution</b>	Yerevan State University
<b>Period of time</b>	2009 till now
<b>Rank/degree</b>	assistant

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*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

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*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

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*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

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*Article*

**FLAP Collaboration: Tasks and Perspectives. Study of Fundamentals and New Applications of Controllable Generation of Electromagnetic Radiation by 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

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*Article*

**Thermodynamics of interaction of meso-tetra-(4-Noxyethylpyridyl) 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

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*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.y-su.am/science/en/journals>

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*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.y-su.am/science/hy/journals>

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*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>

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*Conference*

**The comparative study of H<sub>2</sub>TOEPyP<sub>4</sub> and CoTOEPyP<sub>4</sub> porphyrins with A-DNA**

A. Avetisyan, Y. Dalyan

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*Conference*

**The comparative study of CuTOEPyP<sub>4</sub>-porphyrin with A- and B-forms of DNA**

A.A.Avetisyan, Y.B.Dalyan

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*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

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*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

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*Conference*

**The Influence of Porphyrins on DNA Damage Induced by Electron Beam**

L. Aloyan, V. Arakelyan, A. Avetisyan, H. Margaryan

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*Conference*

**The investigation of irradiation effect on DNA/cisplatin complexes in presence of AgTOEPyP<sub>4</sub> Porphyrin by absorption spectroscopy method**

Ani Avetisyan, Lusine Mkrtchyan, Lusine Aloyan

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*Conference*

**Investigation of irradiated DNA/porphyrin complexes by optical methods**

Lusine Aloyan, Ani Avetisyan

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*Conference*

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

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

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