




Ashkhen Hovhannisyán


Date of birth: 29/11/1967


Nationality: Armenian

Gender: Female

CONTACT

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EDUCATION AND TRAINING

01/09/1986 – 30/06/1991 – Yerevan, Armenia

biophysicist

Yerevan State University, Biological Faculty, Department of Biophysics

11/1999 – 06/2000 – Yerevan, Armenia

PhD student of YSU

Yerevan State University Biological Faculty, Department of Biophysics

WORK EXPERIENCE

01/01/2018 – CURRENT – Yerevan, Armenia

Head of the department Medical Biochemistry and Biotechnology

Russian-Armenian University

01/2018 – CURRENT – Yerevan, Armenia

Head of the laboratory of Analytical Biochemistry and Biotechnology

Russian-Armenian University

01/09/2005 – CURRENT – Yerevan, Armenia

Associate Professor

Russian-Armenian University

01/09/2000 – CURRENT – Yerevan, Armenia

Senior scientific researcher

Yerevan State University, Biological Faculty, Department of Biophysics

NETWORKS AND MEMBERSHIPS

01/01/2000 – CURRENT

● **Armenian Biochemists association member**

Yerevan, Armenia

01/01/2005 – CURRENT

● **European Biochemists Federation Member**

01/01/2005 – CURRENT

● **Dechema member (Society for Chemical Engineering and Biotechnology)**

LANGUAGE SKILLS

MOTHER TONGUE(S): Armenian

OTHER LANGUAGE(S): English

Russian

Listening
C2

Reading
C2

**Spoken
production**

**Spoken
interaction**

Writing
C2

HONOURS AND AWARDS

2021

Supervisor the AR Ministry of Education and Science Grant program "21APP-1F010" - Design of nano- and microscale structures of the "core-shell" type for use theranostics of diseases – Armenian Republic's Ministry of Education and Science Grant

2021

Supervisor the Armenian Republic's Ministry of Education and Science Grant program "21T- 1F243" - Biogenic nanoparticles and their complexes as strategic healthcare approaches for modern – Armenian Republic's Ministry of Education and Science Grant

2020

Involved in Armenian National Science and Educational Foundation (ANSEF) Grant Programme 20AN:NS-biotech-2329 "Green Synthesis, Characterization And Application Of Iron Oxide Magnetic Nanoparticles" – Involved in Armenian National Science and Educational Foundation (ANSEF) Grant

2019

Supervisor the Research teams from universities and research institutes of the Republic of Armenia are invited to participate in the Faculty Research Funding Program implemented by Enterprise Incubator Foundation (EIF) with support of PMI Scien – Enterprise Incubator Foundation (EIF) with support of PMI Scien

2021

Supervisor the Armenian Republic's Ministry of Education and Science Grant program basic financing (N 10-2/I-1), "Combined action of antitumor and antioxidant natural compounds investigation" – Armenian Republic's Ministry of Education and Science Grant

2003

Involved in Armenian National Science and Educational Foundation (ANSEF) Grant Programme (NS-82)

2017

The Armenian Republic's Ministry of Education and Science Grant program (thematic and basic financing)

2015

The Russian Federation's Ministry of Education and Science Grant program

PUBLICATIONS

- **Effect of Various Elicitors on Lignan Biosynthesis in Callus Cultures of *Linum austriacum***
2003 <https://doi.org/10.1023/A:1023853716376>
- **Possibility of improvement of hemoglobin properties as biosensors' detection element**
2010 <https://doi.org/10.1117/12.852765>
- **Biphasic dose- response of antioxidants in hypericin-induced photohemolysis**
2011 <https://doi.org/10.1016/j.pdpdt.2011.03.339>
- **Interaction between hypericin and hemoglobin**
2010 [10.1016 / j.jphotobiol.2010.06.011](https://doi.org/10.1016/j.jphotobiol.2010.06.011)
- **ELUCIDATION OF DPPH ANTIRADICAL AND PHOTODYNAMIC ACTIVITIES OF HYPERICUM PERFORATUM EXTRACTS**
http://arar.sci.am/Content/237977/file_0.pdf
- **Study of photodynamic activity of hypericin and synthetic photosensitizers on haemolysis of erythrocytes in vitro**
2006 <https://doi.org/10.1117/12.645721>
- **Hepatoprotective activity of leaf extract of *Laurus nobilis* L. against CCl₄ induced hepatotoxicity in rats**
2015 https://doi.org/10.1007/978-981-287-736-9_99
- **Synthesis and biological activities of novel pyridazine derivatives**
2016 <https://doi.org/10.1134/S1021443716050125>
- **Antioxidant and Hemolytic Properties of Different Extracts from *Prunella vulgaris* L. Leaves. Medical News of North Caucasus**
2018 <https://doi.org/10.14300/mnnc.2018.13091>
- **Effects of Green Silver Nanoparticles on CCl₄ Injured Albino Rats' Liver**
2019 https://doi.org/10.1007/978-3-030-31866-6_27
- **Improvement of the Antibacterial Activity of Benzylpenicillin in Combination with Green Silver Nanoparticles Against *Staphylococcus aureus***
2019 https://doi.org/10.1007/978-3-030-31866-6_6
- **Testing Green Silver Nanoparticles for Genotoxicity, Antioxidant and Anticancer Activity**
2019 https://doi.org/10.1007/978-3-030-31866-6_101

- **Antibacterial effects of iron oxide (Fe₃O₄) nanoparticles: distinguishing concentration-dependent effects with different bacterial cells growth and membrane**
2019 <https://doi.org/10.1007/s00253-019-09653-x>
- **Effects of iron oxide (Fe₃O₄) nanoparticles on Escherichia coli antibiotic resistant strains**
2019 <https://doi.org/10.1111/jam.14214>
- **Evaluation of the quercetin semisynthetic derivatives interaction with Breast Cancer Resistance Protein**
2020 <https://doi.org/10.1101/2020.09.12.292821>
- **Antibacterial effect of silver and iron oxide Fe₃O₄ nanoparticles in combination with antibiotics on E. coli**
2019 [10.1007/s12668-019-00640-0](https://doi.org/10.1007/s12668-019-00640-0)
- **The Synergistic Antibacterial Activity of Silver Nanoparticles and T. polium Extracts**
2021 [doi 10.1134/S0006350921040084](https://doi.org/10.1134/S0006350921040084)
- **НТИБАКТЕРИАЛЬНОГО ДЕЙСТВИЯ НАНОЧАСТИЦ СЕРЕБРА И ЭКСТРАКТОВ T. Polium**
2021 [10.31857/S000630292104013X](https://doi.org/10.31857/S000630292104013X)