

# Alvard Mkrtich Minasyan

## Research Institute of Biology

Laboratory of Microbiology, Bioenergetics and Biotechnology  
Junior Researcher

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✉ alvard.minasyan@ysu.am

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## Education

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<b>Institution</b>	Yerevan State University
<b>Faculty</b>	Faculty of Biology
<b>Date</b>	2021 - 2023
<b>Degree name</b>	Masters

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<b>Institution</b>	Yerevan State University
<b>Faculty</b>	Faculty of Biology
<b>Date</b>	2017 - 2021
<b>Degree name</b>	Bachelor

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## Language skills

Հայերեն English Русский

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## Work experience

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<b>Institution</b>	YSU, Research Institute of Biology
<b>Period of time</b>	2025 till now
<b>Rank/degree</b>	Junior Researcher

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<b>Institution</b>	YSU
<b>Period of time</b>	2024 till now
<b>Rank/degree</b>	Grantee Manager

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<b>Institution</b>	YSU
<b>Period of time</b>	2024 till now
<b>Rank/degree</b>	Researcher

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<b>Institution</b>	Research Institute of Biology
<b>Period of time</b>	2023 till now
<b>Rank/degree</b>	senior laboratory assistant

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<b>Institution</b>	YSU
<b>Period of time</b>	2023 till now

<b>Rank/degree</b>	Researcher
<b>Institution</b>	Université Bourgogne-Franche Comté, Laboratoire de Biochimie du Peroxysome, Inflammation & Métabolisme Lipidique, Dijon, France
<b>Period of time</b>	2023 - 2023
<b>Rank/degree</b>	Researcher
<b>Institution</b>	YSU, Faculty of Biology, Chair of Biochemistry, Microbiology, and Biotechnology
<b>Period of time</b>	2021 - 2023
<b>Rank/degree</b>	Senior laboratory assistant

## Scientific interests

- biochemistry
- biotechnology
- microbiology

## Participation in international conferences and seminars

<b>14/07/2025 - 17/07/2025</b>	FEMS MICRO Milan 2025 Italy
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## Membership

<b>Institution</b>	Armenian Biochemical Association (FEBS founding society)
<b>Period of time</b>	2022 till now
<b>Institution</b>	Armenian Microbiological Association (FEMS constituent society)
<b>Period of time</b>	2023 till now

## Publications

*Article*

### **Ribes nigrum leaf extract downregulates pro-inflammatory gene expression and regulates redox balance in microglial cells**

Alvard Minasyan, Vivien Pires, Catherine Gondcaille, Mikayel Ginovyan, Marika Mróz, Stéphane Savary, Mustapha Cherkaoui-Malki, Barbara Kuszniereicz, Agnieszka Bartoszek, Pierre Andreoletti,

Naira Sahakyan

BMC Complementary Medicine and Therapies 2025 1-17

*Article*

### **Protective Effects of Teucrium polium Extract Against LPS-Induced Oxidative Stress in BV-2**

## **Microglia: Insights from Wild-Type and Acox1<sup>-/-</sup> Models**

Alvard Minasyan, Naira Sahakyan

OBM Neurobiology 2025 1-18

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### *Article*

#### **The Action Mechanisms, Anti-Cancer and Antibiotic-Modulation Potential of Vaccinium myrtillus L. Extract**

Mikayel Ginovyan, Anush Babayan, Anahit Shirvanyan, Alvard Minasyan, Meri Qocharyan,

Barbara Kusznierevicz, Izabela Koss-Mikołajczyk, Nikolay Avtandilyan, Anne Vejux, Agnieszka Bartoszek,

Naira Sahakyan

Discovery Medicine 2023 590-611

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### *Conference*

#### **Antimicrobial and antioxidant potential of some plant crude extract**

Margarit Petrosyan, Alvard Minasyan, Anahit Shirvanyan, Anush Babayan, Mikayel Ginovyan,

Naira Sahakyan

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### *Conference*

#### **Prospects for the use of Ficus carica L. leave extract as bio-preservative agent**

Anahit Shirvanyan, Alvard Minasyan, Anush Babayan, Armine Moghrovyan, Naira Sahakyan,

Margarit Petrosyan, Karen Trchounian

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### *Conference*

#### **THE OXIDATIVE STRESS AND POSSIBLE PREVENTIVE ACTION OF PLANT BORN POLYPHENOLS**

Anahit Shirvanyan, Anush Babayan, Alvard Minasyan, Margarit Petrosyan, Anna Poladyan,

Naira Sahakyan

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### *Conference*

#### **From agro-bio-waste to application: the power of bilberry aerial part extract as anti-cancer and antibiotic-modulating agent**

N. Sahakyan, M. Ginovyan, A. Babayan, A. Shirvanyan, A. Minasyan, B. Kusznierevicz,

I. Koss-Mikołajczyk, N. Avtandilyan, A. Bartoszek

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### *Conference*

#### **Modulation of antibiotic resistance by quercetin and catechins in E. coli DH5α-pUC18 and E. coli pARG-25: a potential approach for overcoming antibiotic resistance**

Alvard Minasyan, Aram Aramyan, Silvard Tadevosyan, Anush Babayan, Naira Sahakyan

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### *Conference*

#### **Antibiotic Activity of Plant Metabolites and Possibilities of Their Application**

Aram Aramyan, Silvard Tadevosyan, Alvard Minasyan, Anush Babayan, Naira Sahakyan

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### *Conference*

#### **Comprehensive Assessment of the Biological and Chemical Properties of Ficus carica Leaf Ethanolic Extract**

Naira Vardanyan, Alvard Minasyan, Silvard Tadevosyan, Anush Babayan, Karen Trchounian,

Naira Sahakyan

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*Conference*

**Antibiotic Potential of Mentha Arvensis Extract**

Sona Sargsyan, Silvard Tadevosyan, Anush Babayan, Alvard Minasyan, Andranik Davinyan,

Armenuhi Moghrovyan, Naira Sahakyan

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*Conference*

**Teucrium polium Leaf Extract as a Potential Neuroprotective Agent: Antioxidant and Anti-Inflammatory Activity in BV-2 Cell Models**

Alvard M. Minasyan, Naira Zh. Sahakyan

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*Conference*

**PHENOLIC COMPOUNDS IN OCIMUM BASILICUM VAR. PURPUREUM: IMPLICATIONS FOR NEUROPROTECTION AND INFLAMMATION**

Alvard Minasyan, Pierre Andreoletti, Vivien Pires, Catherine Gondcaille, Mustapha Cherkaoui-Malki,

Naira Sahakyan

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