

# Anush Martin Babayan

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## Research Institute of Biology

Laboratory of Microbiology, Bioenergetics and Biotechnology

Junior Researcher

## Education

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<b>Institution</b>	YEREVAN STATE UNIVERSITY
<b>Faculty</b>	Faculty of Biology, Biochemistry, Microbiology and Biotechnology
<b>Date</b>	2011 - 2013
<b>Degree name</b>	Masters

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<b>Institution</b>	YEREVAN STATE UNIVERSITY
<b>Faculty</b>	Faculty of Biology, Biology
<b>Date</b>	2007 - 2011
<b>Degree name</b>	Bachelor

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## Work experience

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<b>Institution</b>	YEREVAN STATE UNIVERSITY
<b>Period of time</b>	2023 till now
<b>Rank/degree</b>	lecturer

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<b>Institution</b>	YEREVAN STATE UNIVERSITY
<b>Period of time</b>	2013 - 2023
<b>Rank/degree</b>	senior laboratory assistant

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## Scientific interests

- Biochemistry and Biotechnology
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## Publications

*Article*

### **ANTIMICROBIAL ACTIVITY OF ETHANOL EXTRACTS OF RIBES NIGRUM AND RIBES RUBRUM LEAVES**

A.M. Babayan, N.Zh. Sahakyan

Proceedings of the YSU B: Chemical and Biological Sciences 2023 54-62

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*Article*

### **The Action Mechanisms, Anti-Cancer and Antibiotic-Modulation Potential of Vaccinium**

**myrtilus L. Extract**

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

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

Naira Sahakyan

Discovery Medicine 2023 590-611

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*Article***ANTIMICROBIAL AND ANTIOXIDANT ACIVITIES OF OCIMUM BASILICUM VAR. PURPUREUM ETHANOL EXTRACT**

A.M. Babayan

Proceedings of the YSU B: Chemical and Biological Sciences 2023 258-268

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*Article***THE CHEMICAL COMPOSITION AND ANTIOXIDANT PROPERTIES OF SOME SPECIES OF ARTEMISIA GENUS, REPRESENTED IN ARMENIAN FLORA**

A. M. BABAYAN, M. T. PETROSYAN, N. Zh. SAHAKYAN

Proceedings of the YSU B: Chemical and Biological Sciences 2022 161-168

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*Article***Essential oil and ethanol extract of oregano (*Origanum vulgare* L.) from Armenian flora as natural source of terpenes, flavonoids and other phytochemicals with antiradical, antioxidant, metal chelating, tyrosinase inhibitory and antibacterial activity**

Armenuhi Moghrovyan, Naira Sahakyan, Anush Babayan, Naira Chichoyan, Margarit Petrosyan,

Armen Trchounian

CURRENT PHARMACEUTICAL DESIGN 2019 1809-1816

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*Article***Chemical composition and some biological activities of the essential oils from basil *Ocimum* different cultivars**

Ani Avetisyan, Anahit Markosian, Margarit Petrosyan, Naira Sahakyan, Anush Babayan, Samvel Aloyan,

Armen Trchounian

BMC Complementary and Alternative Medicine 2017 1-8

<https://bmccomplementaltermmed.biomedcentral.com/>

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*Article***The radical scavenging activity of some species of *Artemisia* genus, represented in Armenian flora**

Babayan A., Sahakyan N., Petrosyan M., Trchounian A.

Հայաստանի կենսաբանական հանդես 2017 96-99

<http://biology.asj-oa.am/>

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*Article****Amberboa sosnovskyi* Iljin in vitro culture obtaining**

M. Petrosyan, N. Sahakyan, A. Babayan, A. Trchounian

Electronic Journal of Natural Sciences of NAS RA 2015 7-10

<http://ejns.sci.am>

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*Article****Sizolophus balzamita* Lam. մեկուսացված կալուսի ստացման, աճի և նյութափոխանակության որոշ առանձնահատկությունների շուրջ**

Դավթյան Հ., Սահակյան Ն., Բաբայան Ա., Պետրոսյան Մ.  
ԵՊՀ ՈԻԳԸ գիտական հոդվածների ժողովածու 2015 56-61  
<http://www.ysu.am/sss/hy>

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*Article*

**Hypericum elongatum Ledeb. Մեկուսացված կուլտուրայի միկրոբազմացման**

**առանձնահատկությունները**

Իսաջյան Ս., Սահակյան Ն., Բաբայան Ա., Պետրոսյան Մ.

ԵՊՀ ՈԻԳԸ գիտական հոդվածների ժողովածու 2015 99-105

<http://www.ysu.am/sss/hy>

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*Article*

**Оценка антимикробной и антиоксидантной активностей изолированной культуры**

**Hypericum elongatum Ledeb**

Бабаян А.М., Петросян М.Т., Саакян Н.Ж., Трчунян А. А, Исаджян С.А.

АКТУАЛЬНЫЕ ПРОБЛЕМЫ ГУМАНИТАРНЫХ И ЕСТЕСТВЕННЫХ НАУК 2014 38-41

<http://new.publikacia.net/>

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*Article*

**Some properties of antibacterial component of lactic acid bacteria isolated from Armenian dairy products**

I.L. Bazukyan, A.M. Babayan, A. Trchounian

Electronic Journal of Natural Sciences of NAS RA 2013 38-43

<http://ejns.sci.am>

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*Conference*

**Essential Oils of Basil Plants as Antimicrobial Agents**

M. Petrosyan, A. Avetisyan, A. Markosian, N. Sahakyan, A. Babayan, S. Aloyan, A. Trchounian

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*Conference*

**Essential oil of Origanum vulgare L. as a source with antibacterial activity**

Sahakyan N., Petrosyan M., Moghrovyan A., Chichoyan N., Hovhannisyan N., Babayan A., Mouradyan M,  
Trchounian A.

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*Conference*

**Evaluation of antimicrobial and antioxidant activity of isolated culture of St.-John`s wort elongated (Hypericum elongatum LEDEB.)**

Babayan A., Petrosyan M.T, Sahakyan N.Zh., Trchounian A.H.

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*Conference*

**Free radical scavenging activity and total flavonoid content of essential oil and ethanol extracts of Origanum vulgare L., represented in Armenian flora**

Mariam Sh. Muradyan, Naira Zh. Sahakyan, Margarit T. Petrosyan, Anush A. Babayan, Armen Trchounian

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*Conference*

**Free radical scavenging activity and total flavonoid content of Sambucus tigrani Troitsky, growing in Armenian flora**

A. Babayan, M. Petrosyan, N. Sahakyan, M. Muradyan, A. Trchounian

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*Conference*

**Essential Oil from Thymus vulgaris L. as Antimicrobial Agent**

N. Sahakyan, M. Petrosyan, A. Avetisyan, A. Markosyan, S. Aloyan, A. Babayan, A. Trchounian

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*Conference*

**Stizolophus balsamita Lam. isolated culture extracts as the antioxidant agents**

N. Sahakyan, M. Petrosyan, A. Babayan, A. Trchounian

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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. Kusznierevich,

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

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*Conference*

**Harnessing plant extracts to overcome antibiotic resistance: leaf extracts of Ribes nigrum, Ficus carica, and Vitis vinifera as resistance modifiers of E. coli strains**

M. Ginovyan, A. Shirvanyan, S. Tadevosyan, A. Babayan, B. Kusznierevich, N. Avtandilyan, A. Bartoszek,

N. Sahakyan

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