

# Ануш Мартиновна Бабаян

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## Научно-исследовательский институт биологии

Մանրէաբանության, կենսաէներգետիկայի և կենսատեխնոլոգիայի լաբորատորիա  
Младший научный сотрудник

## Образование

Учреждение	Ереванский государственный университет
Факультет	Биологический факультет, Биохимия, Микробиология и биотехнология
Дата	2011 - 2013
Степень / Звание	Магистр

Учреждение	Ереванский государственный университет
Факультет	Биологический факультет, Биология
Дата	2007 - 2011
Степень / Звание	Бакалавр

## Опыт работы

Учреждение	Ереванский государственный университет
Период времени	2023 до настоящего времени
Звание/степень	преподаватель

Учреждение	Ереванский государственный университет
Период времени	2013 - 2023
Звание/степень	старший лаборант

## Научные интересы

- Биохимия и биотехнология

## Публикации

Статья

**The potential of blackcurrant, fig, and grape leaf extracts in the development of new preparations for overcoming antibiotic resistance and enhancing the efficacy of chemotherapeutic agents**

Mikayel Ginovyan, Silvard Tadevosyan, Anahit Shirvanyan, Anush Babayan, Barbara Kusznierevicz, Izabela Koss-Mikołajczyk, Marika Mróz, Agnieszka Bartoszek, Naira Sahakyan

BMC Complementary Medicine and Therapies 2025 1-54

Статья

**Origanum vulgare Ethanol Extract Modulates the Activity of Antioxidant Enzymes**

Anush M. Babayan, Naira Zh. Sahakyan

Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry 2025 316–326

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Статья

**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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Статья

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

Naira Sahakyan

Discovery Medicine 2023 590-611

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Статья

**ANTIMICROBIAL AND ANTIOXIDANT ACTIVITIES 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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Статья

**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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Статья

**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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Статья

**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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Статья

**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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*Статья*

**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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*Статья*

**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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*Статья*

**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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*Статья*

**Оценка антимикробной и антиоксидантной активностей изолированной культуры Hypericum elongatum Ledeb**

Բաբայան Ա.Մ., Պետրոսյան Մ.Թ., Տաակյան Ն.Ջ., Թրչունյան Ա. Ա, Իսադջյան Ս.Ա.

АКТУАЛЬНЫЕ ПРОБЛЕМЫ ГУМАНИТАРНЫХ И ЕСТЕСТВЕННЫХ НАУК 2014 38-41

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

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*Статья*

**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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*Конференция*

**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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*Конференция*

**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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*Конференция*

**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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*Конференция*

**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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*Конференция*

**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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*Конференция*

**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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*Конференция*

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

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

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*Конференция*

**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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*Конференция*

**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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*Конференция*

**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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*Конференция*

**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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*Конференция*

**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. Kusznierevicz, N. Avtandilyan, A. Bartoszek,

N. Sahakyan

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*Конференция*

## **Influence of *Origanum vulgare* extract on *Escherichia coli* metabolism**

Anush Babayan, Naira Sahakyan

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*Конференция*

## **Modulation of antibiotic resistance by quercetin and catechins in *E. coli* DH5 $\alpha$ -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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*Конференция*

## **Modulating antibiotic efficacy: the role of *Teucrium polium* in disrupting bacterial resistance mechanisms**

Silvard Tadevosyan, Anush Babayan, Mikayel Ginovyan, Naira Sahakyan

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*Конференция*

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

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

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*Конференция*

## **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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*Конференция*

## ***Ocimum Basilicum* Var. *Purpureum* Impact on Bacterial Cell Metabolism**

Anush M. Babayan, Naira Zh. Sahakyan

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*Конференция*

## **Antibiotic Potential of *Mentha Arvensis* Extract**

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

Armenuhi Moghrovyan, Naira Sahakyan

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