

Anush Martin Babayan

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Research Institute of Biology

Laboratory of Microbiology, Bioenergetics and Biotechnology

Senior laboratory assistant

Education

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| Institution | YEREVAN STATE UNIVERSITY |
| Faculty | Faculty of Biology, Biochemistry, Microbiology and Biotechnology |
| Date | 2011 - 2013 |
| Degree name | Masters |

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| Institution | YEREVAN STATE UNIVERSITY |
| Faculty | Faculty of Biology, Biology |
| Date | 2007 - 2011 |
| Degree name | Bachelor |

Work experience

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| Institution | YEREVAN STATE UNIVERSITY |
| Period of time | 2023 till now |
| Rank/degree | lecturer |

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

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

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

Naira Sahakyan

Discovery Medicine 2023 590-611

*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

*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

*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

*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/>

*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/>

*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>

*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>

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>

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/>

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>

Conference

Essential Oils of Basil Plants as Antimicrobial Agents

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

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.

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.

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

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

Conference

Essential Oil from Thymus vulgaris L. as Antimicrobial Agent

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

Conference

Stizolophus balsamita Lam. isolated culture extracts as the antioxidant agents

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

Conference

Antimicrobial and antioxidant potential of some plant crude extract

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

Naira Sahakyan

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

Conference

THE OXIDATIVE STRESS AND POSSIBLE PREVENTIVE ACTION OF PLANT BORN POLYPHENOLS

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

Naira Sahakyan

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

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
