# Meri Varujan Kocharyan

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**Research Institute of Biology**
Basic and Pathological Biochemistry Laboratory
Junior Researcher

**Faculty of Biology**
Research Institute of Biology
Basic and Pathological Biochemistry Laboratory
Junior Researcher

## Education

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| **Institution** | Yerevan State University |
| **Faculty** | Biology/General and Medicinal Biochemistry |
| **Date** | 2021 - 2023 |
| **Degree name** | Masters |

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| **Faculty** | Biology/Pharmaceutical Chemistry |
| **Date** | 2017 - 2021 |
| **Degree name** | Bachelor |

## Language skills

Русский English

## Work experience

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| **Institution** | Research Institute of Biology |
| **Period of time** | 2022 till now |
| **Rank/degree** | senior Assistant |

## State awards and honorary titles

2023 An interdisciplinary competition held within the framework of the "All-Armenian Conference 2023".

2022 Arpa Institute

## Publications

*Article*
**Silver nanoparticles fabricated using phycocyanin from Arthrospira platensis: green synthesis, physicochemical characterization, and biological activities**

Ani Harutyunyan, Astghik Hambardzumyan, Liana Gabrielyan, Anush Aghajanyan, Meri Kocharyan, Nikolay Avtandilyan, Alina Zurnachyan, Inga Bazukyan, Wojciech Kujawski, Lilit Gabrielyan

Microbial Cell Factories 2025 1-23

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*Conference*

**Synergistic Inhibition of HIF1α and PI3K/Akt Signaling and Activation of Caspase3 by Emodin and Metformin Combination in MDAMB231 Cells**

M. Kocharyan, H. Javrushyan, N. Avtandilyan

2025 313 - 313

https://2025.febscongress.org/

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*Article*

**Royal Jelly–Mediated Silver Nanoparticles Show Promising Anticancer Effect on HeLa and A549 Cells Through Modulation of the VEGFa/PI3K/Akt/MMP-2 Pathway**

Meri Kocharyan, Syuzan Marutyan, Edita Nadiryan, Mikayel Ginovyan, Hayarpi Javrushyan, Seda Marutyan, Nikolay Avtandilyan

Applied Organometallic Chemistry 2024 1-11

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*Conference*

**The combination of herbs and chemotherapeutic agents inhibits tumor progression via down-regulation of the TNFa-VEGFa/PI3K/Akt/NOS/COX-2-MMP-2 pathway in DMBA-induced breast cancer in rats**

N. Avtandilyan, M. Kocharyan, S. Hovhannisyan, S. Gevorgyan, H. Javrushyan, M. Ginovyan, A. Maloyan

2024 276-276

https://2024.eacr.org/

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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 Kusznierewicz, Izabela Koss-Mikołajczyk, Nikolay Avtandilyan, Anne Vejux, Agnieszka Bartoszek, Naira Sahakyan

Discovery Medicine 2023 590-611

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*Article*

**THE CYTOTOXIC PROPERTIES OF ALCHEMILLA SMIRNOVII EXTRACT ON THE HELA CANCER CELLS VIA DOWNREGULATION OF ARGINASE ACTIVITY**

S.M. Hovhannisyan, E.E. Nadiryan, M.V. Qocharyan, G.H. Petrosyan, G.P. Sevoyan, Z.I. Karabekyan, H.G. Javrushyan, M.M Ginovyan, N.V. Avtandilyan

ԵՊՀ գիտական տեղեկագիր. Քիմիա և կենսաբանություն: 2023 238-247

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*Article*

**REGULATORY EFFECTS OF RUMEX OBTUSIFOLIUS AND HYPERICUM ALPESTRE EXTRACTS ON THE QUANTITY OF IL-2 IN IN VITRO AND IN VIVO CANCER MODELS**

E.E. Nadiryan, S.M. Hovhannisyan, M. V. Qocharyan, G.H. Petrosyan, H.G. Javrushyan, M.M. Ginovyan, N.V. Avtandilyan

ԵՊՀ գիտական տեղեկագիր. Քիմիա և կենսաբանություն: 2023 248-257

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*Conference*

**Hypericum alpestre combined with arginase and NOS inhibitors shows antiproliferative activity in the rat breast cancer model**

H.Javrushyan, N.Avtandilyan, S.Hovhannsiyan, M.Qocharyan, M.Ginovyan, A.Maloyan

2023 222 - 222

https://febs.onlinelibrary.wiley.com/doi/epdf/10.1002/2211-5463.13646

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*Article*

**EVALUATION OF THE ANTIOXIDANT ACTIVITY AND THEANTI-CANCER PROPERTIES OFALCHEMILLA SMIRNOVII JUZ. EXTRACTON THE HELA CANCER CELL LINE**

S. Hovhannisyan, E. Nadiryan, M.Qocharyan, G. Sevoyan, M. Ginovyan, N. Avtandilyan

СТУДЕНЧЕСКАЯ ГОДИЧНАЯ НАУЧНАЯ КОНФЕРЕНЦИЯ ЯРОССИЙСКО-АРМЯНСКИЙ УНИВЕРСИТЕТА 2022

40-46

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