Anna Radik Muradyan

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Faculty of Biology
Chair of Biochemistry, Microbiology, and Biotechnology
Senior laboratory assistant

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Education

Institution	Yerevan State University
Faculty	Biology
Date	2021 - 2023
Degree name	Masters

Faculty	Biology
Date	2017 - 2021
Degree name	Bachelor

Language skills

Հայերեն Русский English

Work experience

Institution	YSU, department of Biochemistry, Microbiology and Blotechnology
Period of time	2022 till now
Rank/degree	Senior labourant

Institution	Secondary school of Nor Kyanq
Period of time	2021 - 2023
Rank/degree	teacher

Publications

Article

Royal jelly induces coordinated redox and energy metabolic responses in Candida guilliermondii NP-4
Seda Victor Marutyan, Syuzan Ashot Marutyan, Anna Muradyan, Meri Hayrapetyan, Gayane Semerjyan,

Hasmik Karapetyan
World Journal of Microbiology and Biotechnology 2026 349

https://doi.org/10.1007/s11274-026-05080-z

Conference
Changes in ATPase and Antioxidant Enzymes Activities in Yeast Candida guilliermondii NP-4 Exposed to Millimeter Waves
Muradyan Anna, Marutyan Syuzan, Hayrapetyan Meri, Karapetyan Hasmik, Marutyan Seda

2025 82 - 82

http://bioenv-sdg.ysu.am

Conference
Royal Jelly Enhances Recovery from UV-Induced Metabolic and Oxidative Stress in Candida guilliermondii NP-4
Syuzan A. Marutyan, Anna Muradyan, Meri Hayrapetyan, Hasmik Karapetyan, Seda V. Marutyan

2025 102 - 102

http://bioenv-sdg.ysu.am

Conference
Effect of Royal Jelly on Antioxidant Enzymes and ATPase Activity of C.guilliermondii NP-4 Yeast Exposed to X-Ray Radiation
Seda Marutyan, Hasmik Karapetyan, Syuzan Marutyan, Anna Muradyan, Mery Hayrapetyan

2025 74 - 74

http://bioenv-sdg.ysu.am

Article
Changes in ATPase activity, antioxidant enzymes and proline biosynthesis in yeast Candida guilliermondii NP-4 under X-irradiation
Hasmik Karapetyan, Syuzan Marutyan, Anna Muradyan, Hamlet Badalyan, Seda Marutyan,

Karen Trchounian
Journal of Bioenergetics and Biomembranes 2024 1-8

Article
The antimicrobial efects of silver nanoparticles obtained through the royal jelly on the yeasts Candida guilliermondii NP-4
Seda Marutyan, Hasmik Karapetyan, Lusine Khachatryan, Anna Muradyan, Syuzan Marutyan,

Anna Poladyan, KarenTrchounian

Scientific Reports 2024 19163

Conference
Influence of UV-irradiation on lipid peroxidation processes and the activity of plasmatic and mitochondrial ATPases oy yeasts Candida guilliermondii NP-4
S. Marutyan, H. Karapetyan, S. Marutyan, A. Muradyan, T. Manutsyan

2024 518 - 518

https://febs.onlinelibrary.wiley.com/doi/10.1002/2211-5463.13856

Conference

The effect of royal jelly on biomass accumulation and antioxidant enzyme activity of the yeast C. guilliermondii NP-4
Marutyan S., Muradyan A., Karapetyan H., Marutyan S.

2024 446 - 446

https://febs.onlinelibrary.wiley.com/doi/10.1002/2211-5463.13837

Conference

The Effect of 51.8 GHz Microwaves on Nucleotide Deamination and ATPase Activity in C. guilliermondii NP-4 Yeast in the Presence of Royal Jelly
Marutyan S.A., Muradyan A., Hayrapetyan M., Marutyan S.V.

2024 100-101

https://www.agrophys.ru/Congress-2024

Conference

Influence of X-irradiation on the activity of ATPase and enzymes of antioxidant system in yeasts Candida guilliermondii NP-4
S. Marutyan, A. Muradyan, H. Karapetyan, V. Khalantaryan, S. Marutyan, L. Khachatryan

2023 226 - 227

https://2023.febscongress.org/

Conference

ROYAL JELLY AS A MEANS OF REGULATING PROCESSES DISTURBED BY EXPOSED MILLIMETER WAVES
Marutyan S.A., Karapetyan H.M., Muradyan A.R., Khachatryan L.D, Kalantaryan V.P., Marutyan S.V.

2023 229 - 229

https://newtrendschem.org

Article

ALTERATION OF TOTAL AND MITOCHONDRIAL ATPASE ACTIVITY IN THE BREAST AND LIVER IN BREAST CANCER-INDUCED RATS
Seda V. Marutyan, Gayane A. Petrosyan, Anna R. Muradyan, Lilit A. Marutyan, Syuzan A. Marutyan,

Nikolay V. Avtandilyan

Proceedings of the YSU B Chemical and Biological Sciences 2022 151-160
