

# Anna Radik Muradyan

✉ [anna.muradyan@ysu.am](mailto:anna.muradyan@ysu.am)

## Faculty of Biology

Chair of Biochemistry, Microbiology, and Biotechnology

Senior laboratory assistant

## Education

<b>Institution</b>	YSU
<b>Faculty</b>	Biology
<b>Date</b>	2021 - 2023
<b>Degree name</b>	Masters

<b>Institution</b>	YSU
<b>Faculty</b>	Biology
<b>Date</b>	2017 - 2021
<b>Degree name</b>	Bachelor

## Language skills

Հայերեն Русский English

## Work experience

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

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

## Scientific interests

- Radiation biochemistry, molecular biology, AEF-ase activity, Mitochondria, Yeast food

## Publications

*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 effects 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

---

*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

---

*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

---

*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.

---

*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

---

*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.

---