

# Syuzan Ashot Marutyan

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## Research Institute of Biology

Հիմնարար և ախտաբանական կենսաքիմիայի լաբորատորիա  
Junior Researcher

## Education

<b>Institution</b>	YSU
<b>Faculty</b>	Biology
<b>Date</b>	2017 - 2019
<b>Degree name</b>	Masters

<b>Institution</b>	YSU
<b>Faculty</b>	Biology
<b>Date</b>	2013 - 2017
<b>Degree name</b>	Bachelor

## Language skills

Русский English

## Work experience

<b>Institution</b>	YSU STEM school
<b>Period of time</b>	2023 till now
<b>Rank/degree</b>	teacher

<b>Institution</b>	“Royal jelly as a new for radioprotective and antioxidant biochemical drug” 21T-1F300
<b>Period of time</b>	2021 till now
<b>Rank/degree</b>	labourant

<b>Institution</b>	YSU Institute of Biology
<b>Period of time</b>	2019 till now
<b>Rank/degree</b>	Senior Laboratory Assistant

<b>Institution</b>	N°55 school named after A. Chekhov
<b>Period of time</b>	2017 - 2018
<b>Rank/degree</b>	teacher

## Scientific interests

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- molecular biology, radiation biochemistry
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## Publications

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*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

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*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

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*Article*

**Changes in growth kinetic parameters, morphology and mitotic activity of yeasts *Candida guilliermondii* exposed to the low-intensity waves of 51.8-GHz frequency**

Seda Marutyan, Syuzan Marutyan, Liparit Navasardyan, Karlen Hovnanyan, Armen Trchounian

Archives of Microbiology 2021 3707-3714

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*Article*

**Ultrastructural investigation of acidocalcisomes and ATPase activity in yeasts *Candida guilliermondii* NP-4 as “complementary” stress-targets**

Marutyan S., Marutyan S., Navasardyan L., Trchounian A., Hovnanyan K., Hovnanyan M.

Letters in Applied Microbiology 2020 413-419

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*Article*

**ВЛИЯНИЕ РЕНТГЕНОВСКОГО И МИКРОВОЛНОВОГО ИЗЛУЧЕНИЙ НА ДЕЗАМИНИРОВАНИЕ ПУРИНОВЫХ НУКЛЕОТИДОВ В ДРОЖЖЕВЫХ КЛЕТКАХ *CANDIDA GUILLIERMONDII* НП-4**

S. Marutyan, G. Petrosyan, S. Marutyan, L. Navasardyan, A. Trchounian

Известия высших учебных заведений. Серия: химия и химическая технология (ChemChemTech) 2019 48-52

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*Conference*

**Влияние микроволнового излучения на рост и ферментативную активность дрожжей *Candida guilliermondii* НП-4**

Марутян С.В., Петросян Г.А., Марутян С.А., Навасардян Л.А., Трчунян А.А.

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*Conference*

**Влияние рентгеновского облучения и микроволн на морфологию дрожжевых клеток *C.guilliermondii* НП-4**

С.В. МАРУТЯН, С.А. МАРУТЯН, Л.А. НАВАСАРДЯН, К.О. ОВНАНЯН

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*Conference*

**Влияние рентгеновского облучения и микроволн на АТФ-азную активность митохондрий дрожжей *C.guilliermondii* НП-4**

Л.А.Навасардян, С.В. Марутян, С.А. Марутян, Г.А.Петросян

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*Conference*

**Influence of Royal Jelly on the Growth of Yeasts *Candida guilliermondii* Exposed to Electromagnetic Radiation**

S. Marutyan, S.A.Marutyan, S. Gevorgyan, L. Navasardyan, A. Trchounian

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*Conference*

**Changes in some metabolic processes of yeasts *Candida guilliermondii* NP-4 under influence of microwaves with a frequency of 51.8GHz**

Marutyan S.V., Petrosyan G.A., Karapetyan H.M., Marutyan S.A., Khachatryan L.D., Kalantaryan V.P.,

Muradyan A.

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*Conference*

**The effect of Royal Jelly (RJ) on the biomass amount and colony forming ability of yeasts *C.guilliermondii* NP-4**

Navasardyan L.H., Marutyan S.V., Marutyan S.A.

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*Conference*

**Influence of silver nanoparticles obtained by the presence of royal jelly on survival of yeasts *Candida guilliermondii* NP-4 and on the activity of antioxidant enzymes**

S. Marutyan, H. Karapetyan, S. Marutyan, L. Khachatryan

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*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

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*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.

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