

# Lusine Hrahat Baghdasaryan

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## Research Institute of Biology

Group for Biochemical Conversion of Organic Waste and Microbiological Production

Junior Researcher

## Education

<b>Institution</b>	YSU
<b>Faculty</b>	Biology
<b>Date</b>	2018 - 2020
<b>Degree name</b>	Masters

<b>Institution</b>	YSU
<b>Faculty</b>	Biology
<b>Date</b>	2014 - 2018
<b>Degree name</b>	Bachelor

## Language skills

Հայերեն Русский English

## Work experience

<b>Institution</b>	"Hydrometeorology and Monitoring Center"
<b>Period of time</b>	2019 till now
<b>Rank/degree</b>	chief specialist

## Publications

*Article*

**A novel, cost-effective approach for the production of hydrogenase enzymes and molecular hydrogen from recycled whey-based by-products**

Meri Iskandaryan, Lusine Baghdasaryan, Ela Minasyan, Karen Trchounian, Antranikian Garabed,

Anna Poladyan

International Journal of Hydrogen Energy 2025 1191-1202

*Article*

**Redox regulation of hydrogen production in Escherichia coli during growth on by-products of the wine industry**

Lusine Baghdasaryan, Karen Trchounian, Gary Sawers, Anna Poladyan

Applied Microbiology and Biotechnology 2025 146

*Article*

**Development of an H<sub>2</sub> fuel cell electrochemical system powered by Escherichia coli cells**

Torgom Seferyan, Lusine Baghdasaryan, Meri Iskandaryan, Karen Trchounian, Anna Poladyan

Electrochemistry Communications 2024 107746

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*Conference*

**WINE GRAPE WASTE APPLICATION FOR ESCHERICHIA COLI BIOMASS AND H<sub>2</sub> PRODUCTION**

Syuzanna Bbulyan, Lusine Baghdasaryan, Satenik Mirzoyan, Anahit Vassilian, Tatiana Semashko,

Anna Poladyan

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