

# Meri Karen Iskandaryan

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## Research Institute of Biology

Մանրէաբանության, կենսաէներգետիկայի և կենսատեխնոլոգիայի  
լաբորատորիա  
Junior Researcher

## Education

<b>Institution</b>	Yerevan State University
<b>Faculty</b>	Biology / Biochemistry, Microbiology and Biotechnology
<b>Date</b>	2021 - 2024
<b>Degree name</b>	PhD student

<b>Institution</b>	Yerevan State University
<b>Faculty</b>	Biology / Biochemistry, Microbiology and Biotechnology
<b>Date</b>	2019 - 2021
<b>Degree name</b>	Masters

<b>Institution</b>	Yerevan State University
<b>Faculty</b>	Biology / Biochemistry, Microbiology and Biotechnology
<b>Date</b>	2015 - 2019
<b>Degree name</b>	Bachelor

## Language skills

Հայերեն Русский English

## Work experience

<b>Institution</b>	Yerevan State University
<b>Period of time</b>	2023 till now
<b>Rank/degree</b>	Junior researcher

## Publications

Article

**L-amino acids affect the hydrogenase activity and growth of *Ralstonia eutropha* H16**  
Meri Iskandaryan, Syuzanna Blbulyan, Mayramik Sahakyan, Anait Vassilian, Karen Trchounian,

Anna Poladyan  
AMB Express 2023 33

*Article*

**Valorization of whey-based side streams for microbial biomass, molecular hydrogen, and hydrogenase production**

Anna Poladyan, Karen Trchounian, Ela Minasyan, Meri Iskandaryan, Hayarpi Aghekyan, Sargis Aghayan, Avetis Tsaturyan, Ani Paloyan, Garabed Antranikian, Lev Khoyetsyan  
Applied Microbiology and Biotechnology 2023 4683-4696

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*Article*

**THE ROLE OF GLYCINE-BETAINE IN THE GROWTH AND HYDROGENASES ACTIVITY OF RALSTONIA EUTROPHA H16**

Meri K. Iskandaryan  
Proceedings of the YSU B: Chemical and Biological Sciences 2023 154-163

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*Article*

**THE ROLE OF THIOL GROUPS IN THE EXPRESSION OF THE ACTIVITY OF ARGINASE I AND II ISOENZYMES**

M. K. ISKANDARYAN, E. Kh. BARSEGHYAN  
Proceedings of the YSU B: Chemical and Biological Sciences 2021 248-254

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*Conference*

**The valorization of whey-based side-streams for microbial biomass, hydrogen and hydrogenase enzyme production**

Anna Poladyan, Hayarpi Aghekyan, Ella Minasyan, Karen Trchounian, Ani Paloyan, Sargis Aghayan, Garabed Antranikian, Meri Iskandaryan, Diana Ghevondyan

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*Conference*

**Characteristic effects of gold nanoparticles on growth and H<sub>2</sub> metabolism of *Ralstonia eutropha* H16 and *Escherichia coli***

Anna Poladyan, Tatev Manutsyan, Meri Iskandaryan, Syuzanna Blbulyan, Anait Vassilian, Tatiana Semashko

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*Conference*

**The role of glycine-betaine in the hydrogen metabolism of *Ralstonia eutropha* H16**

Meri Iskandaryan, Liana Mnatsakanyan, Anna Poladyan

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*Conference*

**A NOVEL COST-EFFECTIVE APPROACH FOR PRODUCTION OF HYDROGENASE ENZYMES AND MOLECULAR HYDROGEN FROM WHEY-BASED BY-PRODUCTS**

Anna Poladyan, Meri Iskandaryan, Ofelya Karapetyan, Ela Minasyan, Anait Vassilian, Karen Trchounian, Garabed Antranikian

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