

Anush Roland's Babayan

Faculty of Biology

Office of the Faculty of Biology
Specialist on Administrative Affairs

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ℝ⁶    

Education

Institution	Yerevan State University
Faculty	Biology
Date	2020 - 2022
Degree name	Masters

Institution	Yerevan State University
Faculty	Biology
Date	2016 - 2020
Degree name	Bachelor

Work experience

Institution	Yerevan State University, Faculty of Biology
Period of time	2023 till now
Rank/degree	Administrative specialist

Institution	Yerevan State University, Faculty of Biology, Chair of Biochemistry, Microbiology and Biotechnology
Period of time	2023 - 2023
Rank/degree	senior laboratory assistant (clerk)

Institution	Biology Research Institute, Yerevan State University
Period of time	2022 till now
Rank/degree	Junior Scientific Researcher

Institution	Biology Research Institute, Yerevan State University
Period of time	2021 - 2022
Rank/degree	senior Assistant

Participation in international conferences and seminars

09/07/2023 - 13/07/2023	Конференция FEMS по микробиологии Germany
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30/06/2022 - FEMS Conference on Microbiology
02/07/2022 Serbia

20/10/2021 - FEMS Conference on Microbiology
22/10/2021 Armenia

Publications

Article

Escherichia coli FocA/B-dependent H⁺ and K⁺ fluxes: Influence of exogenous versus endogenous formate

Lilit Grigoryan, Anush Babayan, Anait Vassilian, Anna Poladyan, Gary Sawers, Karen Trchounian

Biophysical Reports 2025 100225

Article

Role of the Escherichia coli FocA and FocB formate channels in controlling proton/potassium fluxes and hydrogen production during osmotic stress in energy-limited, stationary phase fermenting cells

Anush Babayan, Anait Vassilian, Anna Poladyan, Karen Trchounian

Biochimie 2024 91-98

Article

Osmotic stress as a factor for regulating E. coli hydrogenase activity and enhancing H₂ production during mixed carbon sources fermentation

Anush Babayan, Anahit Vassilian, Karen Trchounian

AIMS Microbiology 2023 724-737

Conference

ՕՐԳԱՆԱԿԱՆ ԹԱՓՈՆՆԵՐԻՑ ԿԵՆՍԱԶԱՆԳՎԱԾԻ ԵՎ ԿԵՆՍԱԷՆԵՐԳԻԱՅԻ ՓՈԽԱԿԵՐՊՄԱՆ ԿԵՆՍԱԶԻՄԻԱԿԱՆ ՈՒՂԻՆԵՐԻ ԲՆՈՒԹԱԳՐՈՒՄԸ ԵՎ ՕՔՍԻԴԱԿԵՐԱԿԱՆԳՈՂԱԿԱՆ ԿԱՐԳԱՎՈՐՈՒՄԸ
Փոլադյան Ա.Ա., Գևորգյան Հ.Խ., Վանյան Լ.Մ., Բաբայան Ա.Ռ., Բաղդասարյան Լ.Հ., Վասիլյան Ա.Վ.,

Պետրոսյան Հ.Հ.

Conference

HYDROGEN PRODUCTION DURING GLUCOSE AND FORMATE UTILIZATION IN OSMOTIC STRESSED CELLS OF ESCHERICHIA COLI AT ALKALINE PH

Anush Babayan, Karen Trchounian

Conference

Influence of osmotic stress on H₂ production in Escherichia coli during fermentation of mixed carbon sources at acidic pH

Anush Babayan, Karen Trchounian

Conference

The role of the Escherichia coli FocA and FocB formate channels in proton flux during fermentation of mixed carbon sources

Anush Babayan, Anait Vassilian, Anna Poladyan, Karen Trchounian
