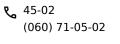
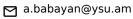
Anush Roland's Babayan

Faculty of Biology

Office of the Faculty of Biology Specialist on Administrative Affairs















Institution Yerevan State University

Faculty Biology 2020 - 2022 **Date** Degree name Masters

Institution Yerevan State University

Faculty Biology 2016 - 2020 **Date** Bachelor Degree name

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 -Конференция FEMS по микробиологии 13/07/2023 Germany

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 Trchounan

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 ԿԵՆՍԱՉԱՆԳՎԱԾԻ ԵՎ ԿԵՆՍԱԷՆԵՐԳԻԱՅԻ ՓՈԽԱԿԵՐՊՄԱՆ ԿԵՆՍԱՔԻՄԻԱԿԱՆ ՈԻՂԻՆԵՐԻ ԲՆՈԻԹԱԳՐՈԻՄԸ ԵՎ ՕՔՍԻԴԱՎԵՐԱԿԱՆԳՈՂԱԿԱՆ ԿԱՐԳԱՎՈՐՈԻՄԸ Փոլադյան Ա.Ա., Գևորգյան Հ.Խ., Վանյան L.Մ., Բաբայան Ա.Ռ., Բադդասարյան L.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