

Anush Roland's Babayan

✉ a.babayan@ysu.am

Faculty of Biology

Office of the Faculty of Biology
Specialist on Administrative Affairs

Education

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

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

Work experience

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

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

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

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

Participation in international conferences and seminars

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| 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

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 ԿԵՆՍԱԵՆՆԵՐԳԻԱՅԻ ՓՈՒՍԱԿԵՐՊՄԱՆ ԿԵՆՍԱԶԵԻՄԻԱԿԱՆ ՈՒՂԻՆԵՐԻ ԲՆՈՒԹԱԳՐՈՒՄԸ ԵՎ ՕՔՍԻԴԱԿԵՐԱԿԱՆԳՈՂԱԿԱՆ ԿԱՐԳԱՎՈՐՈՒՄԸ
Փոլադյան Ա.Ա., Գևորգյան Հ.Խ., Վանյան Լ.Մ., Բաբայան Ա.Բ., 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
