Hripsime Hovik Petrosyan

Research Institute of Biology
Laboratory of Microbiology, Bioenergetics and Biotechnology
Junior Researcher

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Education

Institution	National Institute of Health
Faculty	Microbiology
Date	2021 - 2022
Degree name	Qualified specialist

Institution	Yerevan State University
Faculty	Biology
Date	2019 - 2021
Degree name	Masters

Institution	Yerevan State University
Faculty	Biology
Date	2015 - 2019
Degree name	Bachelor

Language skills

Русский English Deutsch

Work experience

Institution	Yerevan State University
Period of time	2021 till now
Rank/degree	Junior Scientific Researcher

Scientific interests

- Microbiology, Biochemistry, Biotechnology

Publications

Article
Conversion of spent coffee grounds into bioenergy and biomass using Clostridium species: A

sustainable pathway for renewable energy
Rima Avetisyan, Hripsime Petrosyan, Akerke Toleugazykyzy, Bakytzhan Bolkenov, Roza Bekbayeva,

Kairat Bekbayev, Karen Trchounian, Anna Poladyan

Industrial Crops and Products 2025 122068

Article

Growth characteristics, redox potential changes and proton motive force generation in Thermus scotoductus K1 during growth on various carbon sources
Hripsime Petrosyan, Karen Trchounian

AIMS Microbiology 2024 1052-1067

Article

Defining the roles of the hydrogenase 3 and 4 subunits in hydrogen production during glucose fermentation: A new model of a H2-producing hydrogenase complex
Hripsime Petrosyan, Liana Vanyan, Armen Trchounian, Karen Trchounian

International Journal of Hydrogen Energy 2020 5192-5201

Article

Roasted coffee wastes as a substrate for Escherichia coli to grow and produce hydrogen
Hripsime Petrosyan, Liana Vanyan, Satenik Mirzoyan, Armen Trchounian, Karen Trchounian

FEMS Microbiology Letters 2020 fnaa088 ,7Էջ

Conference

The Role of Escherichia coli FOF1 -ATPase and Hydrogenases on Specific Growth Rate During Glucose Fermentation
Karen Trchounian, Hripmsime Petrosyan, Liana Vanyan, Armen Trchounian, Anait Vassilian

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Conference

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

Պետրոսյան Հ.Հ.