

Hripsime Hovik Petrosyan

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Research Institute of Biology

Laboratory of Microbiology, Bioenergetics and Biotechnology

Junior Researcher

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 ,7ԷԶ

Conference

The Role of *Escherichia coli* FOF1 -ATPase and Hydrogenases on Specific Growth Rate During Glucose Fermentation

Karen Trchounian, Hripsime Petrosyan, Liana Vanyan, Armen Trchounian, Anait Vassilian

Conference

ՕՐԳԱՆԱԿԱՆ ԹԱՓՈՆՆԵՐԻՑ ԿԵՆՍԱԶԱՆԳՎԱԾԻ ԵՎ ԿԵՆՍԱԷՆԵՐԳԻԱՅԻ ՓՈԽԱԿԵՐՊՄԱՆ ԿԵՆՍԱՔԻՄԻԱԿԱՆ ՈՐԴԻՆԵՐԻ 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.
