Lusine Hrahat Baghdasaryan

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Research Institute of Biology
Group for Biochemical Conversion of Organic Waste and Microbiological Production
Junior Researcher

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Education

Faculty	Biology
Date	2018 - 2020
Degree name	Masters

Faculty	Biology
Date	2014 - 2018
Degree name	Bachelor

Language skills

Հայերեն Русский English

Work experience

Institution	National Agrarian University of Armenia, Research Institute of Agricultural Mechanization and Automation
Period of time	2024 till now
Rank/degree	Junior Researcher

Institution	"Hydrometeorology and Monitoring Center"
Period of time	2019 - 2025
Rank/degree	chief specialist

Publications

Article
Integrated biohydrogen and bioelectricity production by wild-type and engineered Escherichia coli using mixed kitchen lignocellulosic and meat waste hydrolysates

Liana Mnatsakanyan, Rima Avetisyan, Lusine Baghdasaryan, Akerke Toleugazykyzy, Kaisar Yegizbay, Aknur Melissova, Kairat Bekbayev, Karen Trchounian, Anna Poladyan

Energy Reports 2026 109459

https://doi.org/10.1016/j.egyr.2026.109459

Article

A novel, cost-effective approach for the production of hydrogenase enzymes and molecular hydrogen from recycled whey-based by-products

Meri Iskandaryan, Lusine Baghdasaryan, Ela Minasyan, Karen Trchounian, Antranikian Garabed, Anna Poladyan

International Journal of Hydrogen Energy 2025 1191-1202

Article

Redox regulation of hydrogen production in Escherichia coli during growth on by-products of the wine industry

Lusine Baghdasryan, Karen Trchounian, Gary Sawers, Anna Poladyan

Applied Microbiology and Biotechnology 2025 146

Article

Development of an H2 fuel cell electrochemical system powered by Escherichia coli cells

Torgom Seferyan, Lusine Baghdasaryan, Meri Iskandaryan, Karen Trchounian, Anna Poladyan

Electrochemistry Communications 2024 107746

Conference

WINE GRAPE WASTE APPLICATION FOR ESCHERICHIA COLI BIOMASS AND H2 PRODUCTION

Syuzanna Blbulyan, Lusine Baghdasaryan, Satenik Mirzoyan, Anahit Vassilian, Tatiana Semashko, Anna Poladyan

2022 423

https://www.femsbelgrade2022.org/
