Lilit Yurik Hakobyan

lilit_hy@ysu.am

Faculty of Biology
Chair of Biochemistry, Microbiology, and Biotechnology
Lecturer on an hourly basis

Faculty of Biology
Chair of Biochemistry, Microbiology, and Biotechnology
Lecturer on an hourly basis

Language skills

English Русский

Publications

Conference
Biohydrogen photoproduction by Chlorella vulgaris cultivated on distiller's grains, brewer’s spent grains and potato peel waste
J. Manoyan, L. Hakobyan, L. Gabrielyan

Book of Abstracts "13th International Conference on Photosynthesis and Hydrogen Energy Research for Sustainability"
2026 201-203

https://phrs.entrat.eu/index.php

Article
Comparison of sulfur and nitrogen deprivation effects on photosynthetic pigments, polyphenols, photosystems activity and H2 generation in Chlorella vulgaris and Parachlorella kessleri
Jemma Manoyan, Lilit Hakobyan, Tatsiana Samovich, Nikolai Kozel, Naira Sahakyan,

Hanna Muravitskaya, Vadim Demidchik, Lilit Gabrielyan

International Journal of Hydrogen Energy 2024 408-418

Article
Phototrophic microorganisms as the future of green biotechnology
Lilit Hakobyan, Lilit Gabrielyan

Microbial Essentialism: An Industrial Prospective 2024 181-205

Conference
Application of active learning strategies to improve student engagement
L. Hakobyan, L. Gabrielyan

2024 516-516

https://2024.febscongress.org/

Conference
Enhancement of H2 production by Chlorella vulgaris using potato peel waste
J. Manoyan, L. Hakobyan, L. Gabrielyan

2024 68-68

https://2024.febscongress.org/

Conference

Արդյունաբերական թափոնների կիրառությունը կանաչ ջրիմուռներում կենսազանգվածի և կենսաջրածնի ստացման համար
Մանոյան Ջ.Գ., Հակոբյան Լ.Յու., Գաբրիելյան Լ.Ս.

2024 225 - 225

https://www.ysu.am/conference/868

Conference

The case of industrial waste utilization by phototrophic microorganisms: incorporating active learning strategies for effective Biotechnology and Microbiology instruction at the graduate level
L. Hakobyan, L. Gabrielyan

2023 258-258

https://2023.febscongress.org/

Conference

CHLORELLACEAE ԸՆՏԱՆԻՔԻ ՋՐԻՄՈՒՌՆԵՐԻ ԱՃՄԱՆ ԲՆՈՒԹԱԳՐԵՐԸ և ԿԵՆՍԱՋՐԱԾՆԻ ԱՐՏԱԴՐՈՒԹՅՈՒՆԸ ԿԵՆՍԱԾԻՆ ՏԱՐՐԵՐԻ ՍԱԿԱՎՈՒԹՅԱՆ ՊԱՅՄԱՆՆԵՐՈՒՄ
Մանոյան Ջ.Գ., Հակոբյան Լ.Յու., Մուրավիցկայա Ա.Օ., Դեմիդչիկ Վ.Վ., Գաբրիելյան Լ.Ս.

2023 184-184

https://www.ysu.am/conference/770

Conference

Hydrogen generation in sulfur-deprived green microalgae Chlorella vulgaris
L. Hakobyan, J. Manoyan, E. Panosyan, L. Gabrielyan

2022 183-184

https://2022congress.febs-iubmb-pabmb.org/

Article

The prospects of brewery waste application in biohydrogen production by photofermentation of Rhodobacter sphaeroides.
Lilit Hakobyan, Lilit Gabrielyan, Syuzanna Blbulyan, Armen Trchounian

International Journal of Hydrogen Energy 2021 289-296

Conference

Biological Hydrogen Generation by Purple Bacteria as a Promising Way of Industrial Waste Treatment
L. Hakobyan, S. Blbulyan, L. Gabrielyan, A. Trchounian

2020 69-70

https://www.bioicbh.com/

Article

Biohydrogen by Rhodobacter sphaeroides during photo-fermentation: Mixed vs. sole carbon sources enhance bacterial growth and H2 production
Lilit Hakobyan, Lilit Gabrielyan, Armen Trchounian

International Journal of Hydrogen Energy 2019 674-679

Conference

Optimization of growth conditions and substrates used as a tool altering the mode of metabolism of Rhodobacter sphaeroides: the role of membrane bound systems in the mechanisms of regulation.
L. Hakobyan, L. Gabrielyan, A. Trchounian

2019 119

https://2019.febscongress.org/

Conference

Перспективы фотоферментативного выделения H2 пурпурными бактериями при использовании углерод-содержащих продуктов.
Л.С. Габриелян, Л.Ю. Акопян, А.А. Трчунян

2019 42-45

Conference

Регуляция фотовыделения биоводорода пурпурной бактерией Rhodobacter sphaeroides
Габриелян Л.С., Акопян Л.Ю., Трчунян А.А.

2018 107-107

http://ibp.org.by/ru/?page_id=4253

Article

Bio-hydrogen production by Rhodobacter sphaeroides during mixed carbon fermentation
Hakobyan L.Y., Gabrielyan L.S, Trchounian A.H.

Biological Journal of Armenia 2017 110-113

http://www.flib.sci.am/eng/Biology/

Conference

Hydrogen cycle in purple non-sulfur bacteria: relationship between nitrogenase and hydrogenase
L. Gabrielyan, H. Sargsyan, L. Hakobyan, A. Trchounian

2017 S259-S259

http://www.iupab2017.org/home

Conference

Membrane conductance of Rhodobacter sphaeroides and the input of F0F1- ATPase in its formation
L. Hakobyan, L. Gabrielyan, A. Trchounian

2017 S265-S265

http://www.iupab2017.org/home

Conference

The role of FOF1-ATPase in biological hydrogen production by Rhodobacter sphaeroides during mixed carbon fermentation
L. Hakobyan, L. Gabrielyan, A. Trchounian

2017 378

https://2017.febscongress.org/

Article

The effect of Cu (I) and Cu (II) ions' low concentrations on growth, biohydrogen production and the FoF1-ATPase activity of Rhodobacter sphaeroides
Lilit Hakobyan, Harutyun Sargsyan, Lilit Gabrielyan, Armen Trchounian

International Journal of Hydrogen Energy 2016 16807-16812

http://www.journals.elsevier.com/international-journal-of-hydrogen-energy/

Article

Comparative effects of Ni(II) and Cu(II) ions and their combinations on redox potential and hydrogen photoproduction by Rhodobacter sphaeroides
Lilit Gabrielyan, Lilit Hakobyan, Armen Trchounian

Journal of Photochemistry and Photobiology B Biology 2016 271-275

http://www.journals.elsevier.com/journal-of-photochemistry-and-photobiology-b-b...

Conference

Advantages of mixed carbon fermentation in biological hydrogen production by Rhodobacter sphaeroides
Lilit Hakobyan, Lilit Gabrielyan, Armen Trchounian

2016 196-196

http://photosynthesis2016.cellreg.org/

Article

Study of membrane properties of Rhodobacter sphaeroides under various growth conditions.
Gabrielyan L., Hakobyan L., Sargsyan H., Trchounian A.

European Biophysics Journal with Biophysics Letters 2015 S88-S88

https://link.springer.com/journal/249

Article

Light-dark duration alternation effects on Rhodobacter sphaeroides growth, membrane properties and bio-hydrogen production in batch culture
Harutyun Sargsyan, Lilit Gabrielyan, Lilit Hakobyan, Armen Trchounian

International Journal of Hydrogen Energy 2015 4084-4091

http://www.journals.elsevier.com/international-journal-of-hydrogen-energy/

Conference

New sources and optimized conditions for hydrogen production by Rhodobacter sphaeroides
Lilit Gabrielyan, Lilit Hakobyan, Harutyun Sargsyan, Armen Trchounian

2015 20-20

http://www.bio.msu.ru/calendar/view.php?ID=169

Conference

Oxidizer and reducer different effects on proton-translocating FoF1-ATPase activity of Rhodobacter sphaeroides membrane vesicles
L. Gabrielyan, L. Hakobyan, A. Trchounian

2015 115-115

http://onlinelibrary.wiley.com/doi/10.1111/febs.2015.282.issue-S1/issuetoc

Conference

Redox regulation of FoF1-ATPase activity of membrane vesicles of Rhodobacter sphaeroides
Lilit Hakobyan, Lilit Gabrielyan, Armen Trchounian

2015 83-83

Conference

Light/dark duration as a tool to enhance bio-hydrogen production by Rhodobacter

sphaeroides
Lilit Hakobyan, Lilit Gabrielyan, Armen Trchounian

2015 163-163

http://www.ispp15.org/

Article

The Effect of Various Metal Ions on Bio-hydrogen Production and F0F1-ATPase Activity of Rhodobacter Sphaeroides
Lilit Hakobyan, Lilit Gabrielyan, Armen Trchounian

NATO Science for Peace and Security Series C: Environmental Security, Black Sea Energy Resource Development and Hydrogen Energy Problems
2013 165-177

http://www.springer.com/us/book/9789400761513
