



Կենսաբանության ֆակուլտետ

Կենսաքիմիայի, մանրէաբանության և կենսատեխնոլոգիայի ամբիոն
դասախոս/ժամավճարով

🌐 Լեզուների իմացություն

English Русский

📖 Publications

Հոդված

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

Հոդված

Phototrophic microorganisms as the future of green biotechnology

Lilit Hakobyan, Lilit Gabrielyan

Microbial Essentialism: An Industrial Prospective 2024 181-205

Հոդված

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

Հոդված

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

Հոդված

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/>

Հոդված

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/>

Հոդված

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...>

Հոդված

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>

Հոդված

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/>

Հոդված

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>

Գիտաժողովի նյութ

New sources and optimized conditions for hydrogen production by Rhodobacter sphaeroides

Lilit Gabrielyan, Lilit Hakobyan, Harutyun Sargsyan, Armen Trchounian

Գիտաժողովի նյութ

Advantages of mixed carbon fermentation in biological hydrogen production by Rhodobacter sphaeroides

Lilit Hakobyan, Lilit Gabrielyan, Armen Trchounian

Գիտաժողովի նյութ

Oxidizer and reducer different effects on proton-translocating F_oF₁-ATPase activity of Rhodobacter sphaeroides membrane vesicles

L. Gabrielyan, L. Hakobyan, A. Trchounian

Գիտաժողովի նյութ

Redox regulation of F_oF₁-ATPase activity of membrane vesicles of Rhodobacter sphaeroides

Lilit Hakobyan, Lilit Gabrielyan, Armen Trchounian

Գիտաժողովի նյութ

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

Lilit Hakobyan, Lilit Gabrielyan, Armen Trchounian

Գիտաժողովի նյութ

Hydrogen cycle in purple non-sulfur bacteria: relationship between nitrogenase and hydrogenase

L. Gabrielyan, H. Sargsyan, L. Hakobyan, A. Trchounian

Գիտաժողովի նյութ

Membrane conductance of Rhodobacter sphaeroides and the input of FOF1- ATPase in its formation

L. Hakobyan, L. Gabrielyan, A. Trchounian

Գիտաժողովի նյութ

The role of FOF1-ATPase in biological hydrogen production by Rhodobacter sphaeroides during mixed carbon fermentation

L. Hakobyan, L. Gabrielyan, A. Trchounian

Գիտաժողովի նյութ

Регуляция фотовыделения биоводорода пурпурной бактерией Rhodobacter sphaeroides

Габриелян Л.С., Акопян Л.Ю., Трчунян А.А.

Գիտաժողովի նյութ

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

Գիտաժողովի նյութ

Перспективы фотоферментативного выделения H₂ пурпурными бактериями при использовании углерод-содержащих продуктов.

Л.С. Габриелян, Л.Ю. Акопян, А.А. Трчунян

Գիտաժողովի նյութ

Biological Hydrogen Generation by Purple Bacteria as a Promising Way of Industrial Waste Treatment

L. Hakobyan, S. Blbulyan, L. Gabrielyan, A. Trchounian

Գիտաժողովի նյութ

Hydrogen generation in sulfur-deprived green microalgae Chlorella vulgaris

L. Hakobyan, J. Manoyan, E. Panosyan, L. Gabrielyan

Գիտաժողովի նյութ

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

Գիտաժողովի նյութ

**CHLORELLACEAE ԸՆՏԱՆԻՔԻ ԶՐԻՄՈՒՌՆԵՐԻ ԱՃՍԱՆ ԲՆՈՒԹԱԳՐԵՐԸ և ԿԵՆՍԱԶՐԱԾՆԻ
ԱՐՏԱԴՐՈՒԹՅՈՒՆԸ ԿԵՆՍԱԾԻՆ ՏԱՐԵՐԻ ՍԱԿԱՎՈՒԹՅԱՆ ՊԱՅՄԱՆՆԵՐՈՒՄ**

Մանոյան Զ.Գ., Հակոբյան Լ.Յու., Մուրավիցկայա Ա.Օ., Դեմիդչիկ Վ.Վ., Գաբրիելյան Լ.Ս.
