

## Биологический факультет

Кафедра биохимии, микробиологии и биотехнологии

Преподаватель по часовой оплате

## Знание языков

English Русский

## Публикации

Статья

### **Comparison of sulfur and nitrogen deprivation effects on photosynthetic pigments, polyphenols, photosystems activity and H<sub>2</sub> 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

Статья

### **Phototrophic microorganisms as the future of green biotechnology**

Lilit Hakobyan, Lilit Gabrielyan

Microbial Essentialism: An Industrial Prospective 2024 181-205

Статья

### **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

Статья

### **Biohydrogen by *Rhodobacter sphaeroides* during photo-fermentation: Mixed vs. sole carbon sources enhance bacterial growth and H<sub>2</sub> production**

Lilit Hakobyan, Lilit Gabrielyan, Armen Trchounian

International Journal of Hydrogen Energy 2019 674-679

Статья

### **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/>

Статья

### **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/>

---

*Статья*

**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...>

---

*Статья*

**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>

---

*Статья*

**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/>

---

*Статья*

**The Effect of Various Metal Ions on Bio-hydrogen Production and F<sub>0</sub>F<sub>1</sub>-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>

---

*Конференция*

**New sources and optimized conditions for hydrogen production by Rhodobacter sphaeroides**

Lilit Gabrielyan, Lilit Hakobyan, Harutyun Sargsyan, Armen Trchounian

---

*Конференция*

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

Lilit Hakobyan, Lilit Gabrielyan, Armen Trchounian

---

*Конференция*

**Oxidizer and reducer different effects on proton-translocating F<sub>o</sub>F<sub>1</sub>-ATPase activity of Rhodobacter sphaeroides membrane vesicles**

L. Gabrielyan, L. Hakobyan, A. Trchounian

---

*Конференция*

**Redox regulation of F<sub>o</sub>F<sub>1</sub>-ATPase activity of membrane vesicles of Rhodobacter sphaeroides**

Lilit Hakobyan, Lilit Gabrielyan, Armen Trchounian

---

*Конференция*

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

Lilit Hakobyan, Lilit Gabrielyan, Armen Trchounian

---

*Конференция*

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

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

---

*Конференция*

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

L. Hakobyan, L. Gabrielyan, A. Trchounian

---

*Конференция*

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

L. Hakobyan, L. Gabrielyan, A. Trchounian

---

*Конференция*

**Регуляция фотовыделения биоводорода пурпурной бактерией Rhodobacter sphaeroides**

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

---

*Конференция*

**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

---

*Конференция*

**Перспективы фотоферментативного выделения H<sub>2</sub> пурпурными бактериями при использовании углерод-содержащих продуктов.**

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

---

*Конференция*

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

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

---

*Конференция*

**Hydrogen generation in sulfur-deprived green microalgae Chlorella vulgaris**

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

---

*Конференция*

**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

---

*Конференция*

**CHLORELLACEAE ԸՆՏԱՆԻՔԻ ՋՐԻՄՈՒՆԵՐԻ ԱՃՍԱՆ ԲՆՈՒԹԱԳՐԵՐԸ և ԿԵՆՍԱԶՐԱԾՆԻ ԱՐՏԱԴՐՈՒԹՅՈՒՆԸ ԿԵՆՍԱԾԻՆ ՏԱՐՐԵՐԻ ՍԱԿԱՎՈՒԹՅԱՆ ՊԱՅՄԱՆՆԵՐՈՒՄ**

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

---

*Конференция*

**Application of active learning strategies to improve student engagement**

L. Hakobyan, L. Gabrielyan

---

*Конференция*

**Enhancement of H<sub>2</sub> production by *Chlorella vulgaris* using potato peel waste**

J. Manoyan, L. Hakobyan, L. Gabrielyan

---

*Конференция*

**Արդյունաբերական թափոնների կիրառությունը կանաչ ջրիմուռներում կենսազանգվածի և կենսաջրածնի ստացման համար**

Մանոյան Ջ.Գ., Հակոբյան Լ.Յու., Գաբրիելյան Լ.Ս.

---