

# Hayk Azat Minasyan

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**Research Institute of Biology**  
Laboratory of Human and Animal Integrative and Adaptive Physiology  
Senior researcher

## Education

Institution	Yerevan State Medical Institute
Faculty	Therapeutic
Date	1970 - 1976
Degree name	Qualified specialist

## Scientific Rank/degree

Institution	Military Medical Academy, Leningrad
Date	1984
Degree name	Candidate
Specialty	Medical sciences
Scientific Supervisor	Vladimir Ivashkin
Research Topic	The treatment of patients with ulcer disease by lithium carbonate

Institution	Military Medical Academy, Leningrad
Date	1988
Degree name	Doctor
Specialty	Medical sciences
Research Topic	The treatment of ulcer disease as a problem of functional block regulation

## Language skills

Русский English

## Scientific interests

- IMMUNOLOGY
- MICROBIOLOGY
- HEMATOLOGY

## Publications

Article  
**Deep geological disposal of plastic waste: Pros and cons**

*Article*

**Oxygen therapy for sepsis and prevention of complications**

Hayk Minasyan

Acute and Critical Care 2022 137-150

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*Article*

**Oxycytosis and the role of triboelectricity and oxidation in bacteria clearing from the bloodstream.**

Hayk Minasyan

European Journal of Microbiology and Immunology 2021 23-28

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*Article*

**Rototrichous: a new type of bacterial flagellation**

Hayk Minasyan

Archives of Microbiology 2020 519-523

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*Article*

**Blood coagulation: a powerful bactericidal mechanism of human innate immunity**

Hayk Minasyan, Friedrich Flachsbar

International Reviews of Immunology 2019 3-17

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*Article*

**Sepsis: mechanisms of bacterial injury to the patient.**

Hayk Minasyan

Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine 2019 19

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*Article*

**Phagocytosis and oxycytosis: two arms of human innate immunity**

Hayk Minasyan

Immunologic Research 2018 271-280

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*Article*

**Sepsis and septic shock: Pathogenesis and treatment perspectives**

Hayk Minasyan

Journal of Critical Care 2017 229-242

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*Article*

**Mechanisms and pathways for the clearance of bacteria from blood circulation in health and disease**

Hayk Minasyan

Pathophysiology 2016 61-66

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*Article*

**Erythrocyte and blood antibacterial defense**

Hayk Minasyan

European Journal of Microbiology and Immunology 2014 138-143

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*Article*

**Erythrocyte and Leukocyte: Two Partners in Bacteria Killing**

Hayk Minasyan

International Reviews of Immunology 2014 490-497

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