Hayk Azat Minasyan

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

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Senior Researcher

Education

Faculty	Therapeutic
Date	1970 - 1976
Degree name	Qualified specialist

Scientific Rank/degree

Date	1984
Degree name	Candidate
Scientific Supervisor	Vladimir Ivashkin
Research Topic	The treatment of patients with ulcer disease by lithium carbonate

Date	1988
Degree name	Doctor
Research Topic	The treatment of ulcer disease as a problem of functional block regulation

Language skills

Русский English

Publications

Article
Hemolysis as a major contributor to systemic oxidative stress in sepsis: A quantitative reappraisal
Hayk A. Minasyan
Journal of Critical Care 2026 155552
https://doi.org/10.1016/j.jcrc.2026.155552

Article

Deep geological disposal of plastic waste: Pros and cons
Hayk Minasyan
F1000Research 2024 504

Article
Oxygen therapy for sepsis and prevention of complications
Hayk Minasyan
Acute and Critical Care 2022 137-150

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

Article
Rototrichous: a new type of bacterial flagellation
Hayk Minasyan
Archives of Microbiology 2020 519-523

Article
Sepsis: mechanisms of bacterial injury to the patient.
Hayk Minasyan
Scandinavian Journal of Trauma Resuscitation and Emergency Medicine 2019 19

Article
Blood coagulation: a powerful bactericidal mechanism of human innate immunity
Hayk Minasyan, Friedrich Flachsbart
International Reviews of Immunology 2019 3-17

Article
Phagocytosis and oxycytosis: two arms of human innate immunity
Hayk Minasyan
Immunologic Research 2018 271–280

Article
Sepsis and septic shock: Pathogenesis and treatment perspectives
Hayk Minasyan
Journal of Critical Care 2017 229-242

Article
Mechanisms and pathways for the clearance of bacteria from blood circulation in health and disease
Hayk Minasyan
Pathophysiology 2016 61-66

Article
Erythrocyte and blood antibacterial defense
Hayk Minasyan
European Journal of Microbiology and Immunology 2014 138–143

Article

Erythrocyte and Leukocyte: Two Partners in Bacteria Killing

Hayk Minasyan

International Reviews of Immunology 2014 490-497