Liana Kamo Anikyan

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Research Institute of Biology
Laboratory of Microbiology, Bioenergetics and Biotechnology
Junior Researcher

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Junior Researcher

Education

Institution	Yerevan State University
Faculty	biology
Date	2019 - 2021
Degree name	Masters

Institution	Yerevan State University
Faculty	biology
Date	2015 - 2019
Degree name	Bachelor

Language skills

Հայերեն Русский English

Work experience

Institution	Laboratory of Microbiology, Bioenergetics and Biotechnology of YSU Research Institute of Biology
Period of time	2026 till now
Rank/degree	Junior researcher

Institution	Yerevan State University
Period of time	2024 till now
Rank/degree	Grant Leader of the Scientific Project 24AA-1F009 “The Study of Biochemical and Bioenergetic Mechanisms of Saccharomyces cerevisiae Yeast During Utilization of Carbon Sources Containing Organic Wastes”

Institution	Yerevan State University
Period of time	2021 - 2026

Rank/degree	Research Team Member of the Scientific Project 21AG-1F043 “Characterization of Biochemical Pathways for the Conversion of Organic Waste to Biomass and Bioenergy and Oxidoreductive Regulation”.

Institution	Department of Biochemistry, Microbiology and Biotechnology, Faculty of Biology, Yerevan State University
Period of time	2020 - 2026
Rank/degree	senior Assistant

Institution	<Usum> school
Period of time	2019 - 2021
Rank/degree	Biology teacher

Participation in international conferences and seminars

11/03/2019 - 17/03/2019	Brain Awareness Week Seminar erevan State Medical University after Mkhitar Heratsi (YSMU), Armenia, Yerevan Armenia
17/11/2023 - 22/11/2023	9th Student Scientific Conference Armenian Medical Institute, Armenia, Yerevan Armenia
14/07/2025 - 17/07/2025	Federation of European Microbiological Societies (FEMS) MICRO 2025 Congress Italy, Milan Italy
24/09/2025 - 26/09/2025	Biological Sciences and Environmental Solutions Congress (2025) Armenia, Yerevan Armenia
22/08/2026 - 27/08/2026	European Bioenergetics Conference (EBEC 2026) Sweden, Stockholm Sweden
08/09/2026 - 11/09/2026	9th Conference on Physiology of Yeasts and Filamentous Fungi (PYFF9) Spain, Valencia Spain

Membership

Institution	Armenian Biochemical Association
Period of time	2024 till now

Institution	Armenian Microbiological Association
Period of time	2024 till now

Other information

- biochemistry
- microbiology
- biotechnology

Publications

Article

Optimized biomass and bioethanol production from dairy industry side streams by Saccharomyces cerevisiae ATCC 13007 under aerobic and microaerophilic conditions
Liana Anikian, Anahit Shirvanyan, Ani Paloyan, Mari Gasparyan, Karen Trchounian, Anna Poladyan

Cleaner Engineering and Technology 2026 101160

https://www.scopus.com/pages/publications/105029076864?origin=resultslist

Article

Mitochondrial dysfunction redirects proton transport and energy homeostasis in Saccharomyces cerevisiae under variable pH and glucose conditions
Liana Anikyan, Anahit Shirvanyan, Nicoletta Guaragnella, Karen Trchounian

Biochimica et Biophysica Acta (BBA) - Bioenergetics 2026 149595

https://doi.org/10.1016/j.bbabio.2026.149595

Conference

Biomass and bioethanol production from dairy waste by Saccharomyces cerevisiae ATCC 13007
Liana Anikyan, Anahit Shirvanyan, Karen Trchounian, Anna Poladyan

2025 354 - 354

https://www.femsmicro.org/

Conference

Hap4 System-Regulated Plasma Membrane Proton Fluxes are Crucial for Saccharomyces Cerevisiae Adaptation to Varying Ph, Oxygen, and Glucose Concentrations
Liana Anikyan, Anahit Shirvanyan, Karen Trchounian

2025 27 - 27

https://www.ysu.am/en/conference/869

Article

ՀԱԿԱՕՔՍԻԴԱՆՏԱՅԻՆ ՖԵՐՄԵՆՏՆԵՐԻ ԱԿՏԻՎՈՒԹՅՈՒՆԸ ՌԵՆՏԳԵՆՅԱՆ ՃԱՌԱԳԱՅԹՆԵՐԻ ԱԶԴԵՑՈՒԹՅԱՆԸ ԵՆԹԱՐԿՎԱԾ C.GUILLIERMONDII NP-4 ԽՄՈՐԱՍՆԿԵՐՈՒՄ
Հ.Մ. ԿԱՐԱՊԵՏՅԱՆ, Լ.Կ. ԱՆԻԿՅԱՆ

Biological Journal of Armenia 2021 65-69

Conference

INFLUENCE OF NON-IONIZING RADIATION ON LIPID PEROXIDATION PROCESSES IN YEAST C. guilliermondii NP-4

H. Karapetyan, L.Anikyan, S. Marutyan

2021 57

https://ecobiomeuz.com/f/abstract_book_last_last.pdf