

Tigran Ayvazyan | Curriculum Vitae

2/3 15 Shrajanyin str., Malatia-Sebastia - Yerevan, 0064, Republic of Armenia
+37498900479 – tigranayv97@gmail.com

Education

Yerevan State University

M.S. Department of Chemistry

Advisor: [Professor Dr. Shiraz A. Markarian](#)

Academic performance – 99.5 %

Yerevan
September/2019-March/2021

Yerevan State University

B.S. Department of Chemistry

Advisor: [Professor Dr. Shiraz A. Markarian](#)

Academic performance – 99.7%

Yerevan
September/2015-May/2019

Research Experience

Yerevan State University

Department of Physical and Colloids Chemistry

Supervisor: [Professor Dr. Shiraz A. Markarian](#),

Investigation of kinetics of the antioxidant activity of dialkyl sulfoxides

Yerevan
September/2017-May/2019

Yerevan State University

Department of Inorganic and Analytical Chemistry

Supervisor: [Professor Dr. Shiraz A. Markarian](#),

Investigations of dialkyl sulfoxides by vibrational spectroscopy and HPLC

Yerevan
September/2019-March/2021

Saarland University

Department of Biophysical chemistry

Supervisor: [Professor Dr. Gregor Jung](#)

Single Molecule Investigation of Terrylene by Total Internal Reflection Fluorescence Microscopy

Saarbrücken, Saarland
October/2019-February/2020

Center for Ecological-Noosphere Studies, National Academy of Sciences

Environmental geochemistry

Supervisor: [Dr. Gevorg Tepanosyan](#)

Complex Investigation of natural environmental compartments

Yerevan
September/2021- December/2022

Institute of Chemical physics, National Academy of Sciences

Yerevan

Laboratory of Macrokinetics of solid state reactions

December/2022-Present

Supervisors: [Professor Dr. Suren Kharatyan](#),

[Associate Research Professor Khachatur Manukyan \(ND University, USA\)](#)

Chemical Engineering, combustion and materials science

Professional Experience

National Institute of Technical Safety LLC

Yerevan

Expert of chemical safety

May/2020– September/2021

Center for Ecological-Noosphere Studies, National Academy of Sciences

Yerevan

Environmental geochemistry

September/2021- December/2022

Senior Methodologist in the chemical laboratory

National Research Council Research Institute on Terrestrial Ecosystems

Pisa, Italy

Micro-elements and heavy metals laboratory

September - October/2022

Lab training

Institute of Chemical physics, National Academy of Sciences

Yerevan

Laboratory of Macrokinetics of solid state reactions

December/2022-Present

Junior researcher

University of Notre Dame

Indiana, USA

Department of Physics and Astronomy

September - December/2023

Visiting researcher

Publications

A.I.Martiryan, T.M.Ayvazyan, Sh.A.Markarian, Determination of the reaction rate constant for the interaction of Diethyl Sulfoxide with Hydroxyl radical on the basis of Competitive Kinetics, Proceedings of the YSU, Chemical and Biological Sciences, 2018, 52(2), p. 80-82

Posters and Presentations

A.I.Martiryan, T.M.Ayvazyan, Sh.A.Markarian, Study of reaction hydroxyl radical with diethyl sulfoxide, V International Conference "Current problems of Chemical Physics" Yerevan, September 25-29, 2018, p.63

Honors and Awards

Scholarship in the name of Stepan Ghambaryan
European Erasmus+ Scholarship
RA Higher Education and Science Committee,
Research Support Program for PhD Students - 2023
EIF, PhD Support Program 2023

September/2018 – March/2021

October/2019 – February/2020

October/2023 – September/2026

November/2023 – November/2024