



**LEPL – David Aghmashenebeli
National Defense Academy**



Personal Info

Name/surname: Irakli Tabatadze

Education

Georgian Polytechnic Institute. Faculty of Engineering Physics 1984 – 1989.

A.A. Baikov Institute of Metallurgy. Intern. Intern Russian Federation. 04.01.1988 – 03.01.1989.

Intern at the A.F. Ioffe Physics and Technology Institute, Russian Federation. 03.01 1990 – 03.01.1993.

A.F. Ioffe Institute of Physics and Technology. Postgraduate student. Russian Federation. 03.01 1993 – 03.01.1996.

Georgian Technical University. Doctoral studies. 2014 – 2017.

Working experience

Georgian Technical University. Engineer. 03.01.2003 – 04.01.2010.

Georgian Technical University. Laboratory assistant 03.01.2011 – 03.01.2014.

Georgian Technical University. Senior Teacher 03.01.2014 - 03.01.2019.

LEPL Sokhumi Ilia Vekua Institute of Physics and Technology. Researcher 03.01.2017

LEPL Georgian National Academy. Laboratory Assistant. 07.01.2023

Courses/trainings

Languages

Georgian language - native

Russian language - fluent

English language - using a dictionary

Computer programs

Ms Word; Ms Excel; Ms PowerPoint; Ms Project.

The list of Scientific Works in local journals (Last 10 Years)

South Caucasus Realities; Advantages and Disadvantages of Defense Methodologies; The Role of Media in Conflict Dynamics.

The list of Scientific Works in international journals (Last 10 Years)

Thermoelectric Generator Based on SiGe Alloys

K. Barbakadze¹, Z. Isakadze¹, A. Kutsia¹, I. Tabatadze¹, M. RexviaSvili¹, M. Cixradze¹
Nontraditional Energy Laboratory, LEPL Ilia Vekua Sukhumi Institute of Physics and Technology,
Tbilisi, 0186, Georgia Corresponding Author E – mail; barbara@gmail.com 2025

High-temperature thermoelectric generator based on SiGe alloys

K. Barbakadze, G. Bokuchava, Z. Isakadze, A. Kutsia, I. Tabatadze, M. Barbakadze, M.

Rekhviashvili

LEPL - Proceedings of the David Agmashenebeli Georgian National Defense Academy, 2022. ISSN

2587-4837, pp. 46-52 2022

SiGe alloys synthesized by hot pressing and thermoelectric generator created on their base

K. Barbakadze, G. Bokuchava, Z. Isakadze, A. Kutsia, I. Tabatadze, M. Barbakadze, M. Rekhviashvili

Proceedings of 4th International Conference Modern Technologies and Methods of Inorganic Materials Science, IMS 2021, p.18.
2021

Relaxation internal friction in thermally treated n-

GaAs:Te single crystal

Ir. Tabatadze, M. Bibiluri

ENERGY SCIENTIFIC AND TECHNICAL JOURNAL 1(97)/2021 . Georgian Technical University

Union "Science and Energetics 2021

Non-reflective properties of vanadium and V_{0.95}Nb_{0.05} alloys

I. Tabatadze

Scientific and technical journal "Energy" 1(97)/2021. Georgian Technical University, Union

"Science and Energy" 2021

Relaxation phenomena in alpha-zirconium

I. Tabatadze

Scientific and technical journal "Energy" 2(98)/2021. Georgian Technical University, Union

"Science and Energy" 2021

High-temperature thermoelectric converter based on n- and p-type Si_{0.95}Ge_{0.05} alloys

Karlo Barbakadze, Guram Bokuchava, Zurab Isakadze, Aza Kutsia, Irakli Tabatadze, Meri

Barbakadze, Meri Rekhviashvili

LEPL - Periodical Scientific-Referred Journal of the David Agmashenebeli Georgian National

Defence Academy 2019

Relative mechanical strength of Erbium monotelluride films

Z. Jabua, I. Tabatadze

Georgian Technical University Tbilisi, Georgian Nano Studies 2016

Participation in local conferences, (Last 10 Years)

Participation in international conferences (Last 10 Years)

Name of scientific forums

Preparation of ErTe films by vacuum – thermal evaporation and some physical properties
Students 82 international scientific conference

Tbilisi, Georgia 2014

Electrical and Optical Properties of TbS and ErTe Nano Films
International scientific conference "Nuclear radiation

nanosensors and nanosensory systems" Tbilisi, Georgia 2014

Optical properties of dysprosium monoantimonide thin Films
Students 81 International scientific conference

Tbilisi, Georgia 2013

Optical properties of dysprosium thin films
International conference „Nanosensory systems and nanomaterials

Tbilisi, Georgia 2013

Completed projects

№ 608906- NANOMAT-EPC -

"Implementation of nanomaterial technologies for society in the European Neighbourhood"

European Union Research and Innovation Programme FP7- NMP.2013.4.0-5 2015

N294299 – Strengthening the links between the Georgian Technical University and the European

Research Area in the field of sensor research

European Union Research and Innovation Programme FP7- INCO-2011-6 2013