

CURRICULUM VITAE

Prof. Alexander Shengelaya

Department of Physics, Tbilisi State University
Chavchavadze av. 3,
GE-0179 Tbilisi, Georgia
Tel: (+995-577) 44 68 00
e-mail: alexander.shengelaya@tsu.ge

Personal Data:

Date of Birth	November 3, 1968
Place of Birth	Tbilisi (Georgia)
Nationality:	Georgian
Marital Status:	Married (four children)
Languages:	Georgian, English, German, Russian, Polish

Academic Education

1985-1990	Department of Physics, Kazan State University (Russia)
1990-1992	Postgraduate practice at the Kazan Physical-Technical Institute of the Russian Academy of Sciences
1992-1995	PhD student, Institute for Low Temperature and Structure Research of the Polish Academy of Sciences, Wroclaw (Poland)

Academic and Professional Appointments

1996 - 2001	Postdoctoral position in the group of Prof. H. Keller and Nobel Prize Laureate Prof. K. A. Müller, Institute of Physics of the University of Zürich (Switzerland)
2002 - 2005	Research Associate, Institute of Physics of the University of Zürich
since 2006	Full Professor of Physics, Tbilisi State University (Georgia)
since 2009	Director of the Institute of Condensed Matter Physics and Advanced Materials at Tbilisi State University

2006 - 2014	Member of the Academic Council of Tbilisi State University
2013	Visiting professor at Institute of Physics of the University of Zürich
since 2015	Chief scientist at the Andronikashvili Institute of Physics, Tbilisi (Georgia)
2016	Visiting professor at the University of Versailles (France)
2018	Visiting scientist at Empa - Swiss Federal Laboratories for Materials Science and Technology (Switzerland)
since 2018	Head of the Condensed Matter Physics Department at the Andronikashvili Institute of Physics

Research Activities

Research Topics

Experimental condensed matter physics, high-temperature superconductivity, magnetism in low-dimensional systems, coexistence of magnetism and superconductivity, nanoscale magnetism and superconductivity

Experimental Methods

Electron Paramagnetic Resonance (EPR), Nuclear Magnetic resonance (NMR), Muon Spin Rotation (μ SR), Magnetometry, Transport Measurements.

101 publications in international physics journals, 25 invited talks at international conferences.

Patented Inventions

Georgian patent (2014). Solid State Synthesis Method of Oxide Ceramic Materials.
Patent No. P 2014 6175 B.

European patent (2019). Rapid Solid-State Reaction of Oxides with Ultraviolet Radiation.
Patent No. 2945918.

Editorial Board Membership(s)

Journal of Superconductivity and Novel Magnetism
Magnetic Resonance in Solids

Other Activities

Referee of the American Physical Society Journals.

Member of the GADEST conference series executive committee.

Organization of International Conferences

International Symposium in Honor of J.G. Bednorz and K.A. Müller: High-temperature Superconductivity in Cuprates - Original Concept and New Developments

Tbilisi State University, Tbilisi, Georgia, October 8 - 11, 2007

17th International Conference on Gettering and Defect Engineering in Semiconductor Technology, GADEST 2017

Lopota resort, Georgia, October 1 - 6, 2017

Awards

National Prize of Georgia in Science awarded by the President of Georgia, December 2020.

Ivane Javakhishvili prize for the best scientific achievement at the Faculty of Exact and Natural Sciences of Tbilisi State University, April 2014.

Distinguished scientist award by Georgian Academy of Sciences, November 2014.