

Associate Professor, DR. ALIYEV YUSİF IMRAYIL oghlu Director of the Guba branch of Azerbaijan State Pedagogical University

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Areas	of	<b>Expertise</b>

#### **Brief Bio**

### **Education:**

In 1985-1996 years, he studied at Yukhari Salahli village secondary school named after Zahid Mahmudov of Gazakh district.

In 1996-2000, he studied at the Physics faculty of Baku State University at the bachelor's degree and graduated with honors in physics (physical electronics).

In 2000-2002, he studied at the Physics faculty of Baku State University at the master's degree and graduated with honors on Optoelectronics.

# Scientific activity:

In 2004-2008, he graduated his doctoral studies at the Physics Institute of ANAS on the Doctor of Philosophy program.

On November 25, 2009, he defended his Ph.D. thesis on "The effect of partial replacement of cations and anions in some copper and silver chalcogenides on the mechanism of polymorphic transformation" at the Physics Institute of ANAS.

On June 22, 2010, by the decision of the High Attestation Commission under the President of the Republic of Azerbaijan, he was awarded the scientific degree of Doctor of Philosophy in Physics. On April 1, 2014, he was awarded the scientific title of Associate Professor by the decision of the High Attestation Commission under the President of the Republic of Azerbaijan.

In 2018-2022, he studied at the postdoctoral program of the Institute of Physics of ANAS, 2223.01 - Crystallography, crystal physics specialty.

On March 29, 2022, at the ED 1.14 Dissertation Council operating under the Physics Institute of ANAS, he defended his PhD thesis on "Phase formation and structural phase transformations in Ag, Cu-based chalcogenide systems". On October 28, 2022, the scientific degree of doctor of Physics sciences was awarded by the decision of the High Attestation Commission under the President of the Republic of Azerbaijan.

In 2010, he won the scholarship of the Swiss "World Federation of Scientists" scientific center Support Fund for young scientists.

In 2011, he was the participant in the grant project "New materials and device structure for high technologies" announced by the Science Development Fund under the President of the Republic of Azerbaijan.

## Participation in grants and scholarships:

- 1. He was the participant of the grant project "New materials and device structure for high technologies" which successfully passed the 1st grant projects competition for 2010 of the Science Development Fund under the President of the Republic of Azerbaijan.
- 2. He was the participant of winning grant project named "Effect of gamma irradiation on the structure and dielectric properties of copper chalcogenides with cations partially replaced by rare earth elements" under the "Science-Education Integration" purposed grant competition ((EIF/MQM/Science-Education-1-2016-1(26)) under the "Science Development Fund under the President of the Republic of Azerbaijan.
- 3. The scholarship of the Swiss "World Federation of Scientists" scientific center of the Support Fund for young scientists in 2011-2012.

- 4. As a direction of scientific activity, he is engaged in X-ray analysis of changes in the crystal structure of Ag and Cu-based binary and ternary chalcogenide compounds, where various phase transitions are observed in the region of high temperatures.
- 5. He is the author of nearly 100 of articles, theses, 4 textbooks, and 5 methodical resources published in high-impact, rated, prestigious scientific journals.

# Working activity:

In 2002, he was appointed to the position of a junior researcher in the "Structure and structure transformations" laboratory of the Physics Institute of ANAS.

In 2002-2004, he completed active military service as a platoon and battery commander for anti-tank artillery in the "N" military unit of the Ministry of Defense of Azerbaijan Republic located in the Tartar region. He is a senior lieutenant in the reserve.

In 2004-2019, he worked in the "Structure and Structure Transformations" laboratory of the Physics Institute of ANAS as a junior researcher, senior researcher, leading researcher (substitute after 2011);

In 2010-2014, he was the Press Secretary of the Physics Institute of ANAS (on public principal);

In 2011-2016, he worked as the head of the department of natural sciences of the Baku Pedagogical Personnel Training and Retraining Institute;

In 2016-2017, he worked as a senior specialist of the Department of Content Standards and Professional Development Programs of the Institute for Professional Development of Education Workers;

By 20.02.2017 up to 05.09.2017, he worked as the director of Baku Vocational High School No-6 (at the same time, director of the Baku State Vocational Education Center for Industry and Innovation);

By 15.09.2017 up to 03.10.2017, he worked as an Associate Professor of the Department of "Technology and its Teaching Methodology" at the Faculty of Physics and Technology of the Azerbaijan State Pedagogical University; In 2017-2019, he worked as the head of the Science and Innovation Department of the Azerbaijan State Pedagogical University.

On August 27, 2019, he was appointed as the director of the Guba branch of the Azerbaijan State Pedagogical University.

#### Awards and honors:

He was awarded the:

- 1. "Diploma named Academic H.M. Abdullayev" of the Azerbaijan National Academy of Sciences and the Azerbaijan Science Foundation on November 17, 2008.
- 2. the Award Diploma of the State Committee for Work with the Diaspora of the Republic of Azerbaijan On July 22, 2010.
- 3. the Samad Vurgun Award by Samad Vurgun Foundation in 2013.
- 4. the honorary title of Advanced Education Worker badge of the Republic of Azerbaijan on December 29, 2021.

## Participation in professional expert commissions:

- 1. Member of the expert council on physics of the 2013 "Best Teacher" competition at the Ministry of Education of the Republic of Azerbaijan.
- 2. He is a member of the editorial board of "Advanced Physical Research" journal.

# Participation in international conferences and symposiums:

- **25-29 August 2008**, International Conference on Superconductivity and Magnetism (ICSM-2008), Side-Antalya, Turkey;
- **6-10 December 2010**, XIV Национальная конференция по росту кристаллов (НКРК-2010), Институт Курчатовская, Москва, Россия;
- **12-15 May 2011**, Advances in Applied Physics and Materials Science (APMAS 2011), Antalya-Kemer, Turkey;
- 29 April 4 May 2012, "3rd International Conference on Superconductivity and Magnetism - ICSM-2012", İstanbul, Turkey;
- **11-16 March 2013**, XLVII Школа ФГБУ «ПИЯФ» По физике конденсированного состояния ФКС-2013, Санкт-Петербург, Россия;

28 October - 01 November 2013, Международная молодежная научная школа "Современная нейтронография", Дубна, Россия; 14-15 November 2013, Международная конференция, посвященная 70-летию Физикотехнического Института Академия Наук Республики Узбекистан Физико-Технический Институт НПО "Физика-Солнце" "Фундаментальные и прикладные вопросы физики", Ташкент, Узбекистан; 19-24 May 2014, В рамках IV-го Международного Фестиваля «Мир психологии» III-х Международных Челпановских Психолого-Педагогических чтениях, Киев, Украина; **14-19 March 2016,** 50-я Школа ФГБУ «ПИЯФ» По физике конденсированного состояния ФКС-2016, Санкт-Петербург, Россия; 26-27 July 2018, 7th Rostocker International Conference: "Thermophysical Properties for Technical Thermodynamics" (THERMAM 2018) Institute of Technical Thermodynamics University of Rostock, Rostock, Germany; 23-27 August 2019, The 1st international summer academy, "Improving the efficiency of the university education system and scientific research in the framework of the interaction of national educational systems in the cis countries", Chisinau, Republik of Moldova. 25-29 July 2021, "Great Azerbaijani Poet - Nizami Ganjavi" International Scientific Conference, Bursa, Turkey. **20-22 June 2022,** 7th International EMI Entrepreneurship & Social Sciences Congress, Tashkent – Uzbekistan 17-19 November 2022, 8th international EMI Entrepreneurship & Social Sciences Congress,

Aksaray - Cappadocia / Turkey

Publications (Weblink only), if any: