

## PROFESSIONAL CURRICULUM VITAE

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### 1. BIO LINK:

<https://orcid.org/0009-0006-9747-3972>

<https://www.researchgate.net/profile/Sevda-Rzayeva-3>

<https://www.webofscience.com/wos/author/record/50946261>

<https://www.scopus.com/authid/detail.uri?authorId=58791306400>

### 2. EDUCATION:

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**10/2019**

**Supreme Attestation Commission under the President of the Republic of Azerbaijan | Baku, Azerbaijan**

By the decision, dated October 7, 2019 (Protocol 19-K) confers on Sevda Rzayeva the academic title of Associate Professor.

**01/2007-01/2011**

**Institute of Physics, Azerbaijan National Academy of Sciences | Baku, AZ1143 Azerbaijan**

**Phd:** High Energy and theoretical Physics.

**Degree:** Ph.D on Physics, Senior Scientist

**09/2003-07/2005**

**Baku State University, Faculty of Physics | Baku, AZ1143 Azerbaijan**

**MSc:** Division of Physics Education, Master Program, Faculty of Theoretical and Mathematical Physics

**09/1999-07/2003**

**Baku State University, Faculty of Physics | Baku, AZ1143 Azerbaijan**

**BSc:** Division of Physics Education, Bachelor Program, Faculty of Theoretical and Mathematical Physics

### 3. DIGITAL SKILLS:

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- ✚ Analytical and Numerical Modeling followed by ATK-ToolKit
- ✚ Origin
- ✚ C, C++
- ✚ PYTHON
- ✚ HTML, CSS and Javascript
- ✚ SQL, MySQL
- ✚ FORTRAN, GFORTRAN
- ✚ GnuPlot
- ✚ TFORM
- ✚ COMPHEP, CALCHEP
- ✚ ROOT
- ✚ MATLAB
- ✚ Adobe PhotoShop, Adobe Illustrator, Adobe After Effects, Adobe Premiere Pro
- ✚ Vegas Pro, Vegas Sony
- ✚ CoreDRAW
- ✚ *AutoCAD*

### 4. WORK EXPERIENCE:

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- ✚ Azerbaijan State University of Economics, UNEC Business School, 2022-till today
- ✚ Baku Engineering University, Baku, Azerbaijan, 2021- 2022
- ✚ Western Caspian University, Baku, Azerbaijan, 2020- 2022
- ✚ Associate professor, Senior Researcher, Institute of Physics, Azerbaijan National Academy of Sciences Baku, Azerbaijan, 2018- 2023
- ✚ Laboratory of Nuclear Problems of the Institute for Nuclear Research, Dubna, Russia 2017-2019
- ✚ Associate Professor, Sumgait State University, Sumgait, Azerbaijan, 2014-2017
- ✚ Associate Professor, Baku State University, Baku, Azerbaijan, 2014-2017
- ✚ Junior Researcher, Institute of Physics, Azerbaijan National Academy of Sciences Baku, Azerbaijan, 2005-2013

### 5. TEACHING EXPERIENCE:

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**2022- until today:** Software Engineering. Azerbaijan State University of Economics, UNEC Business School. Course taught:

- + *Natural Language Processing*
- + *Distributed Application Development and Design*
- + *Object Oriented Design and Programming*
- + *Graphical User Interface Design and Modeling*
- + *Software development experience*
- + *Artificial Intelligence in Python*
- + *Development of multiplatform games*

**2021-2022:** Baku Engineering University, Baku, Azerbaijan. Course taught:

- + *Computational physics*
- + *Electrodynamics*
- + *General Physics*

**2020-2022:** Western Caspian University, Baku, Azerbaijan. Course taught:

- + *Programming languages C and C++*
- + *Multimedia*
- + *Modern İKT*

**2014-2018:** Baku State University Baku, Azerbaijan. Course taught:

- + *High Energy Physics*
- + *Atomic Nucleus Physics*
- + *Particle Physics*

**2014-2017:** Sumgait State University Sumgait, Azerbaijan. Course taught:

- + *Atomic Physics*
- + *Nuclear Physics*
- + *Quantum Physics*

## 6. LANGUAGE SKILLS:

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Azerbaijan:	mother tongue
English	good
Russian	good
Turkish	good

## 7. MY HOBBY

<https://www.youtube.com/watch?v=hTNrstyU5uc&t=13s>

## 8. BOOKS

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- ATOMIC PHYSICS/ <https://www.kitabyurdu.org/kitab/derslik/1788-sevda-rzayeva-atom-fizikasi.html>  
<https://www.youtube.com/watch?v=uaPN5H5SvU0&t=271s>  
[https://www.youtube.com/channel/UCFK\\_lePky5oofOuH94QrAgw/videos](https://www.youtube.com/channel/UCFK_lePky5oofOuH94QrAgw/videos)  
<https://www.youtube.com/watch?v=Gx8J718Xcao&t=60s>  
<https://www.youtube.com/watch?v=wwJo7bePk8Q>  
<https://www.youtube.com/watch?v=gUwkSQWsgx4&t=80s>  
<https://www.youtube.com/watch?v=ZQuHFZE6gV4&t=62s>

## 9. INTERNATIONAL COLLABORATIONS:

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- ✚ 2007-2013. European Organization for Nuclear Research (CERN, Switzerland)
- ✚ 2007- 2019. Joint Institute for Nuclear Research (JINR, Dubna, Russia)
- ✚ 2022-Present. Coordinator- Azerbaijan Representative of ASES CONGRESS, Turkey.  
<https://www.asescongress.com/>

## 10. TRAINING COURSES AND SUMMER SCHOOLS:

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- ✚ ASES II. INTERNATIONAL HEALTH, ENGINEERING AND SCIENCES CONGRESS.  
Kayseri, **Türkiye, August, 2022**
- ✚ Conference “The modern problems of physics”, Baku State University, Institute for Physics Problems, December 2015, **Baku, Azerbaijan**
- ✚ ICTP-NCP School on LHC Physics, November, 2014 , **Islamabad, Pakistan**
- ✚ PSI Zuoz Summerschool - More than Higgs - Effective Theories for Particle Physics, August 2014  
Lyceum Alpinum Zuoz, **Zurich, Switzerland**
- ✚ Workshop, Certificate for actively participating in the Research –in-Germany, **Baku, Azerbaijan,**  
June 2014
- ✚ Conference, Baku World Forum of Young Scientists **Baku, Azerbaijan, May 2014**
- ✚ Spring school on Particle Physics and Philosophy, April 2014, Bergische Universität **Wuppertal,**  
**Germany**
- ✚ Conference and School on Particle Phenomenology, September 2013, **Tbilisi, Georgia**
- ✚ Summer School on Particle Physics, Certificate, June 2013, International Centre for Theoretical  
Physics (ICTP), **Trieste, Italy**

- ✚ Workshop on Higgs and Beyond the Standard Model Physics at the LHC, Certificate, June 2013, International Centre for Theoretical Physics (ICTP), **Trieste, Italy**
- ✚ Second place in “Competition of Scientific Innovative Ideas” in the frame of Second Republic Innovative Exposition, July 2012, **Baku, Azerbaijan**
- ✚ World Federation of Scientists National Scholarship Program End of Scholarship, Certificate, 2010-2011 related to the Planetary Emergence, 2011, **Geneva, Switzerland, CERN**
- ✚ Scientific conference of postgraduate students, Azerbaijan National Academy of Sciences, May 2010, **Baku, Azerbaijan**
- ✚ Conference “Atomic and Molecular Physics”, July 2010, **Baku, Azerbaijan**
- ✚ Training course about computer applications on Accelerator and Particle Physics, certificate, January 2009, **Istanbul, Turkey**
- ✚ Scientific conference of post-graduate students, Azerbaijan National Academy of Sciences, June 2009, **Baku, Azerbaijan**
- ✚ Seminar at CERN "Electric Charge Quantization in Gauge Models", December 2009, Zurich, **Switzerland**
- ✚ Conference “The modern problems of physics”, Baku State University, Institute for Physics Problems, December 2009, **Baku, Azerbaijan**
- ✚ Scientific conference of post-graduate students, Azerbaijan National Academy of Sciences, April 2008, **Baku, Azerbaijan**
- ✚ Seminar “Electric Charge Quantization in Standard Model”, Laboratory of Nuclear Problems, September 2008, **Dubna, Russia**
- ✚ Certificate for the name of academician H. M. Abdullayev to PhD students for their achievements, 2008, **Baku, Azerbaijan**