



JANNAT SAMADOV

CONTACT

Baku, AZ1100

+994518455395

jannat.samadov@gmail.com

[linkedin.com/in/jannatsamadov/](https://www.linkedin.com/in/jannatsamadov/)

[researchgate.net/profile/Jannat-Samadov](https://www.researchgate.net/profile/Jannat-Samadov)

linktr.ee/jannatsamadov



PROFESSIONAL SUMMARY

- **Researcher:** As a researcher, my job is to read and analyze many scientific works related to my research direction, and to apply the results I obtain to my own research.
- **Speaker:** I give popular science talks on astronomy within the framework of different projects at university, school, and student camps.
- **Mentor:** I mentor students in various scientific and technological competitions and events.
- **Project Manager:** I oversee the operations of several projects.

WORK HISTORY

- **Junior Scientific Researcher:** Shamakhy Astrophysical Observatory, January 2022 - Current, Baku
- **Senior Laboratory Assistant:** Shamakhy Astrophysical Observatory, December 2018 - December 2021, Baku
- **Physics Teacher:** "ISTƏK" lyceum, January 2018 - May 2018, Baku

EDUCATION

Doctor of Philosophy: Theoretical Astrophysics

Shamakhy Astrophysical Observatory, May 2021-June 2024 (Expected), Baku, Azerbaijan

- **Dissertation:** "Application of AdS/CFT correspondence in the study of solar wind plasma". During my dissertation work, I conduct various research in areas such as Magnetohydrodynamic waves, holographic duality, quantum chromodynamics, quantum gravity, and the theory of relativity.
- **Teaching:** I have taught the subject of Solar Physics to Master's students
- **Project Manager:** Society of Azerbaijan Physics Students
- **IAPS delegate:** International Association of Physics Students

Master Degree: Astrophysics

Azerbaijan National Academy of Sciences, September 2018-June 2020, Baku

- **4.2 GPA**
- **Dissertation:** Spectral Investigation of the HD206267 Star
- Member of GRANDMA project, 2018 to 2021

Baccalaureate: Physics teacher

Baku State University, September 2014-June 2018, Baku, Azerbaijan

- **4 GPA**
- **Dissertation:** "The motion of a charged particle in uniform magnetic and electric fields that are perpendicular to each other"
- President of the Physics Student Peer Organization, The Student Peer Union Committee
- Member of BSU Basketball team, 2014 to 2019
- Member of Debate Club, 2014 to 2017

LANGUAGES

- Azerbaijan: Native
- English: B2
- Turkish: B2
- Russian: A2

PROJECTS

- [Society of Azerbaijan](#)
- [Physics Students](#)
- [Ecopower](#)
- [MyFutureJob](#)

HOBBIES

- Chess
- Basketball
- Trading
- Photography
- Intellectual games

SKILLS

- MS Office
- Adobe Ai, Lr, Ps
- Wolfram Mathematica
- LaTeX
- Maxim DL

SOFT SKILLS

- Teamwork
- Communication
- Creativity
- Curiosity
- Persistence

ACHIEVEMENTS

- Winner of Teknofest Azerbaijan 2022 Socially Oriented Technologies, C category
- 3rd place in "Recyclaton" hackathon 10-11December 2022, Baku, Azerbaijan

CONFERENCES, WORKSHOPS AND SCHOOLS

- **Summer 2023 Online Lecture Series On Particle Physics & Condensed Matter Physics** on July 22nd – 23rd, 2023 organized by the Department of Physics and Astronomy, University of Tennessee.
- **2nd International Conference on Holography and its Applications (ICHA2)** 25-26 January 2023. Damghan, Iran, Islamic Republic of (C23-01-25)
- PhD School of the Regional doctoral program in Theoretical and experimental particle Physics-**Recent advances in Fundamental physics** 24-26 September 2022, Tbilisi, Georgia
- **International Conference on Control and Optimization with Industrial Applications**, Baku State University, 23-27
- **VI International Scientific Conference of Young Researchers**, Baku Engineering University, 29-30 April 2022, Baku, Azerbaijan
- STEAM Azerbaijan- **Trainings on Project Base Learning (PBL), Micro:bit, and 3D CAD modules**
- SABAH career academy "Winter school"
- National cultural forum in Azerbaijan "**Creative industries**"
- **International Workshop: "Actual Problems of Solar-Terrestrial Physics"** ShAO, Azerbaijan International Conference: "Physics of Planets and Stars" ShAO, Azerbaijan

PUBLICATIONS

- **The magnetic properties of a deuteron from the AdS/QCD hard-wall model**, International Conference on Control and Optimization with Industrial Applications, Baku State University, 23-27 september 2022, Baku, Azerbaijan
- Narmin Huseynova, Shahin Mamedov, Jannat Samadov, **THE INFRARED BOUNDARY VALUE of HARD-WALL MODEL ADS/QCD FOR DEUTERON** VI International Scientific Conference of Young Researchers, Baku Engineering University, 29-30 April 2022, Baku, Azerbaijan, pp. 391- 392.
- Narmin Huseynova, Shahin Mamedov, Jannat Samadov, **The deuteron tensor analyzing power within AdS/QCD hard-wall model** VI International Scientific Conference of Young Researchers, Baku Engineering University, 29-30 April 2022, Baku, Azerbaijan, pp. 393- 395.
- Narmin Huseynova, Shahin Mamedov, Jannat Samadov, **Deuteron electromagnetic form factors, structure functions and tensor polarization observables in the framework of the hard-wall AdS/QCD model** Chinese Physics C
- **The first six months of the Advanced LIGO's and Advanced Virgo's third observing run with GRANDMA** Journal: Monthly Notices of the Royal Astronomical Society
- C.N.Rüstəmov, C.Səmədov, **HD 206267 ulduzunun spektrində $H\alpha$ və $H\beta$ xətlərinin asimmetriyası**
- C.N.Rüstəmov, C.Səmədov, **HD 206267 ulduzunun $H\alpha$ 5411, $H\beta$ 5875 xətlərinə görə qurulmuş şüa sürəti ayrılması**

ADDITIONAL INFORMATION

Theoretical physicist who has tried himself in different directions from theater stage to basketball court, from startups to photography, from chess board to trading charts.

As a lifelong learner and a curious person, I always crave for new knowledge and skills. That is why, in addition to what is in my CV, I have won various mathematical and logical Olympiads, intellectual games like What? Where? When? (ЧГК), inter-university basketball competitions and even Club of the Funny and Inventive (KBH) in Azerbaijan league.