

Dr. FAKHRANDA N. AFANDIYEVA

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Experience

Khazar University, Dean, School of Science and Engineering. Azerbaijan
05/2021-present

Khazar University, Acting Dean, School of Science and Engineering. Azerbaijan
10/2020 -05/2021

Khazar University, Vice Dean for Academic Affairs, School of Science and Engineering. Azerbaijan 09/2017 -09/2020

Khazar University, School of Science and Engineering. *Lecturer of Physics (Mechanics, Electricity, Magnetism, Introduction to Mechanical Engineering, Astronomy),* Azerbaijan 2016 (15th September)- present

Western University, Chair of Physics Department & Lecturer of Physics
(*Mechanics, Electricity, Magnetism, Electronics*), Azerbaijan 09/2016-08/2017

ADA University, School of Information Technologies and Engineering.
Lecturer of Physics (Mechanics, Electricity, Magnetism & Laboratory),
Azerbaijan 09/2015 – 09/2016

- *Preparing and deliver lectures to undergraduate students (Preparation course materials: syllabi, homework assignments, and handouts)*
- *Maintenance of existing laboratory experiments and the apparatus associated with them, including computer-aided design exercises*
- *Class preparation and training of teaching assistants overseeing students performing the experiments and exercises*
- *Compile, administer, and grade examinations, or assign this work to others*
- *Maintaining student attendance records, grades, regularly scheduled office hours in order to advise and assist students*
- *Selection and obtain materials and supplies such as textbooks and laboratory equipment*
- *Conduct research in a particular field of knowledge, and publishing professional journals*

The University of North Carolina at Greensboro, USA, Visiting Professor
2014 – 2015 (Department of Physics)

ANAS Shamakhy Astrophysical Observatory named after N.Tusi - Space Bodies Spectroscopy Department, *Fellow researcher*, Azerbaijan 2005-2015

Education

2014-2015 The University of North Carolina at Greensboro, USA. *Fulbright Scholar*

2008-2012 ANAS Shamakha Astrophysical Observatory named after N. Tusi. *PhD*

2005-2007 Department of Physics. Baku State University. *MSc.*

2001-2005 Department of Physics, Baku State University. *Bsc.*

Seminars and Conferences

1. International conf. «Past, present and future of the Crimean AO», 21-27 sept., CRAO. Ukraine, 2008.
2. International conf. “Variable Stars, The Galactic Halo and Galaxy formation”, Zvenigorod, Russia, 12-16 October, 2009.
3. International conf. “Kirchoff-150”, Crimea, Ukraine, Sept., 2009.
4. International conf. “Variable Stars 2010” Odessa, August 16-21, Ukraine, 2010
5. International conf. EAS JENAM S5, St.Peterburg, 2011.
6. International symp. IAU S3 20-31 August, Beijing, Chine, 2012.
7. International conf. European Week of Astronomy and Space Science, 30 June – 4 July 2014, Geneva, Switzerland.
8. Fulbright scholar, UNCG, North Carolina, Greensboro, US, 2014-2015 (August-March).
9. Conference, North Carolina Astronomers Meetings, GTCC, Jamestown, 4-5 October 2014.
10. Fulbright Visiting Scholar Enrichment Seminar: Climate Change and the Plight of the Oceans. St.Petersburg, Tampa, Florida, 4-9 November, 2014.
11. Workshop, Observatorio Astronomico Nacional de San Pedro Martir, UNAM , 29 November - 9 December 2014, Ensenada, Mexico.
12. International conf. European Week of Astronomy and Space Science, 22 – 26 June 2015, La Laguna, Tenerife, Canary Islands, Spain.
13. International conf. The B (e) Phenomenon. Forty years Studies, 27 June - 1 July 2016, Prague, Czech Republic.
14. ERASMUS+ PAWER “Credit Mobility” program, 14-19 May 2018, Almaty.
15. ERASMUS+ PAWER “Credit Mobility” program, 20-22 May 2019, Bishkek.
16. ERASMUS+ UniLab - From university to labour market in the 21st century: a step forward in work-based placements, 9-14 March, 2020, Barcelona.

17. Erasmus+ ECAR Project, The study of the experience of the European Rectors' Conference. November 22-26, 2021, Paris.
18. Erasmus+ ICM project, Staff mobility program, Polytechnic Institute of Bragança (IPB), March 21-25, 2022, Portugal.
19. Erasmus+ ECAR Project, "Establishment of Rectors' Conference in Azerbaijan". June 26-30, 2022, Poland.

Publications

1. Efendieva F.N., Grankin K.N., Ismailov N.Z., Long-term photometric and spectral variations of DI CEPHEI. *Peremennye Zvezdy*, 2008, v. 28, №5, p. 7-15.
2. Alimardanova F.N., Aliyeva A.A., Ismailov N.Z., Shustarev P.N. A search for long period brightness variations of the T Tauri stars T Tau, DI Cep, SU Aur. *Astron.Reports* 2009, v.53, No7, p. 643-650.
3. Alimardanova F.N., Ismailov N.Z., Spectral energy distributions of young stars in the range 0.36-100 mkm. *Kin.and phys. neb. tel*, 2009, №6, p. 247-249.
4. Alimardanova F.N., Baheddinova G.R., Ismailov N.Z., Ultraviolet Spectrum Variability of BP Tau. *Odessa Astronomical Publications*, 2010, vol.23, p.46-49.
5. F.Alimardanova, A.S.Miroshnichenko, V.Zarikov, R.J Rudy, N.Manset, A.V. Kusakin, K.S. Kuratov and S. Khokhlov., *Spectroscopy and Photometry of MWC 137*. *Astronomical Society of the Pacific*, 2017, vol. 508, p. 355-357.
6. More than 15 scientific articles published in local academic journals and periodicals.

Membership

- Member of the European Astronomical Society (2010-present)

Main Qualifications

- Office Programs, Windows 2000/XP, Microsoft Office 97/2000, 2003/2007, Internet Browsers, Adobe Reader, Corel Draw, Powder cell XRF, XRD, Fullprof Suite.
- *IRAF, Linux, DECH20 and DECH 20t.*

Languages

- Azerbaijani
- English
- Turkish
- Russian

Selected Honors and Awards

- *Honor Diploma, bachelor and master* degrees- Baku State University, Azerbaijan
- *PhD diploma*- Azerbaijan National Academy of Science, Azerbaijan
- *Fulbright diploma* –UNCG, USA
- TWAS Research Grants Programme (France) for Individual Scientists and Research Units - A structure and dynamics of circumstellar envelopes in pre-main-sequence emission-line stars *Research team member*
- Science Development Foundation Under the President of the Republic of Azerbaijan - Spectral and photometric researches of selected T Tauri and Ae/Be Herbig type stars *Research team member*

Field of Research

- The Stellar Astrophysics, Spectral and photometric investigation of pre-main sequence stars. Ae/Be Herbig stars, emission spectrum. UV spectrum of young stars. Spectral energy distributions in range 0.36-100 μm of young stars. New methods in astronomical observations. Planet formation processes, galaxies.