

PERSONAL INFORMATION



Saida Sharifova, PhD in Biology, Associate Professor

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WORK EXPERIENCE

- November 2019 - present **Head of Division of Graduate Studies and Research**
Khazar University, Mahsati 41, AZ1096, Baku, Azerbaijan
- November 2016–December 2019 **Scientific Secretary of the Genetic Resources Institute / Leading Researcher**
Azerbaijan National Academy of Sciences (ANAS), Baku, Azerbaijan
- February 2017 – February 2018 **Scientific Secretary of the Dissertation Council (FD.01.261) for defending**
Candidate theses (in Plant Genetics, Plant Breeding and Biodiversity)
Genetic Resources Institute, ANAS
- May 2016 - November 2016 **Head of the Department of Education**
Department of Education, Genetic Resources Institute, ANAS
- January 2014 – May 2016 **Senior researcher**
Department of Biotechnology, Genetic Resources Institute, ANAS
• Application of molecular marker technology for plant diversity analysis
- January 2010 – December 2014 **Researcher**
Department of Horticultural Crops, Genetic Resources Institute, ANAS
• Application of molecular marker technology for plant diversity analysis

TEACHING

- February 2020 - present **Associate Professor at the Department of Life Sciences, Khazar University**
• Cell Biology
- September 2016 – 2018 **Lecturer at the Department of Education, Genetic Resources Institute, ANAS**
• Molecular Bio-Methods; Population Genetics
- September 2015 - June 2017 **Lecturer at the Department of Genetics and Theory of Evolution, Baku State University**
• Genetics and Breeding of Horticultural Crops
• Methods in Molecular Biology

CURRENT RESEARCH INTERESTS

Genomics and transcriptomics-based diversity analysis in plants; gene expression variation in adaptation to different environment

EDUCATION

- 2006 – 2009 **PhD candidate in Genetics (defended, 2010)**
Genetic Resources Institute, ANAS
- 2003 – 2005 **MSc in Plant Physiology**
Baku State University, Zahid Khalilov street 23, AZ 1148, Baku, Azerbaijan
- 1999 – 2003 **BSc in Biology**
Baku State University

FELLOWSHIPS/SCHOLARSHIPS

August 2019 – October 2019

Visiting Researcher

The Leibniz Institute of Plant Genetics and Crop Plant Research (IPK),
Gatersleben, Germany, Network Analysis and Modelling Research Group
Research project: Gene co-expression network analysis in plants

December 2018 - February 2019

DAAD – German Academic Exchange Service / Research Stays for University Academics and Scientists

Technical University of Munich, Germany
Research Department Plant Sciences, Group of Professorships for Population Genetics
Research project: RNA-Seq analysis of drought responsive transcriptome of *Solanum chilense*

August 2017 - November 2017

Fulbright Visiting Scholar Program

The United States Department of State, USA
Plant Biology Department, College of Biological Sciences, University of California, Davis, USA
Research project: Transcriptome analysis of leaf tissue of *S. chilense* by RNA sequencing

November 2013 – August 2014

Post Doctorate: Erasmus Mundus Program, ALRAKIS II Project

The European Union
Warsaw University of Life Sciences, Warsaw, Poland
Research project: Development and validation of SSRs markers
BAC library screening to isolate desired gene containing clones

October 2011 – July 2012

Sandwich Doctorate: Erasmus Mundus Action 2 Program

The European Union
Alexander Technological Educational Institution of Thessaloniki, Thessaloniki, Greece
Research project: Application of molecular marker technology for plant diversity analysis

PERSONAL SKILLS

Mother tongue(s)

Azerbaijani, Turkish

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
	Speak Up English School, Warsaw, Poland				
Russian	B2	B2	B1	B1	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Organisational / managerial skills

Good team-leading and organizational skills gained as a head of the Department of Education and Scientific Secretary at the National Academy of Sciences, Azerbaijan

Job-related skills

- Bioinformatics for RNA-Seq Data Analysis
- RNA-Seq, transcriptome profiling experiments
- Experienced in Ion Torrent Next Generation Sequencing Platform
- Genotyping by Sequencing analysis in plants
- BAC library multiplication and screening
- Development and validation of SSRs markers
- PCR, DNA marker technology for diversity studies
- Galaxy, CLC Genomics Workbench, MEGA6, Cytoscape, MISA, SPSS, Past and etc.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Independent user	Independent user

- Good command of office suite
- Unix-based operating system

SELECTED PUBLICATIONS

International peer-reviewed journals

Niyazi Guliyev, **Saida Sharifova**, Javid Ojaghi, Mehraj Abbasov, Zeynal Akparov (2018). Genetic diversity among melon (*Cucumis melo* L.) accessions revealed by morphological traits and ISSR markers. Turkish Journal of Agriculture and Forestry 42: doi: 10.3906/tar-1707-18

Malgorzata Targońska-Karasek, Hanna Bolibok-Bragoszewska, Tymoteusz Oleniecki, **Saida Sharifova**, Marta Kopania, Monika Rakoczy-Trojanowska (2018). Verification of taxonomic relationships within the genus *Secale* (Poaceae: Pooideae: Triticeae) based on multiple molecular methods. Phytotaxa, 383(2), pp.128-146.

S.V. Hajiyeva, Z.I. Akparov, N.A. Hasanov, Z.P. Mustafayeva, E.S. Hajiyev, A.T. Mammadov, V.I. Izzatullayeva, S.M. Babayeva, **S.S. Sharifova**, A.M. Mammadov M.A. Abbasov (2018). ISSR analysis of variability of cultivated form and varieties of pomegranate (*Punica granatum* L.) from Azerbaijan. Russian Journal of Genetics, Vol. 54, No. 2, p. 188–197.

S.Sharifova, S.Mehdiyeva, M.Abbasov (2017). Analysis of genetic diversity among different tomato genotypes using ISSR DNA markers. Genetika (Serbia), Vol.49, №1, p.31-42.

Gawronski P, Pawelkowicz M, Tofil K, Uszynski G, **Sharifova S**, Ahluwalia S, Miroslaw T, Wedzony M, Kilian A and Bolibok-Bragoszewska H. (2016). DArT markers effectively target gene space in the rye genome. Frontiers in Plant Sciences, 7: 1600. doi: 10.3389/fpls.2016.01600

S.S. Sharifova, S.P. Mehdiyeva, I.A. Shahmuradov (2016). Mining and survey of simple sequence repeats in expressed sequence tags (ESTs) of tomato species. Albanian Journal of Agricultural Sciences, Volume 15, Issue II, p. 65-70.

Saida Sharifova, Sabina Mehdiyeva, Konstantinos Theodorikas, Konstantinos Roubos (2013). Assessment of genetic diversity in cultivated tomato (*S. lycopersicum* L.) genotypes using RAPD primers. Journal of Horticultural Research, vol. 21(1): 83-89.

Saida Sharifova, Sabir Hasanov, Alisoltan Babayev, Niyazi Guliyev (2012). Some characteristics of the newly obtained constant sweet pepper (*C. annuum* L.) hybrids. Field and Vegetable Crops Research. 49(1): p.122-125.

Saida S. Sharifova (2012). Biodiversity of vegetable genetic resources in Azerbaijan. Plant Science, Bulgaria, 49: 12-14.

S. Sharifova (2009). Study on the effect of abiotic stress factors on resistant and susceptible eggplant genotypes. Modern problems of science and education, Russian Academy of Natural History, (6), 29-32.

S.S. Sharifova (2007). Current status of the Solanaceae collection in Azerbaijan. Report of vegetable network, second meeting (ECPGR). 137-138.

Other papers and reports

Saida Sharifova, Gurban Gurbanov, Vafa Rustamova, Zeynal Akparov (2017). Molecular screening of tomato (*S. lycopersicum* L.) genotypes for resistance alleles against biotic stresses. The Proceeding of the Genetic Resources Institute, ANAS, (6) №1-2, p.76-84.

J.M. Mursalova, Z.I. Akparov, **S.S. Sharifova**, J.M. Ojaghi, M.E. Eldarov, A.I. Morgounov, M.R. Trojanowska (2015). Investigation of genetic diversity of wheat genotypes (*T. aestivum* L.) using microsatellite markers. The Reports of National Academy of Sciences of Azerbaijan, (2), p. 87-92.

S.S. Sharifova, R.T. Aliyev, I.A. Shahmuradov (2015). In silico analysis on frequency and types of simple sequence repeats in expressed sequence tags (ESTs) of different tomato species. The Reports of National Academy of Sciences of Azerbaijan, (1), p 66-71.

Guliyev N., **Sharifova S.** (2014). Collecting and studying local cultivated and wild *Lactuca* species. The Proceeding of the Scientific Research Institute of Agriculture (25), p.12-129.

Sharifova S., Guliyev N. (2011). Resistance genes against plant viruses in pepper and the role of molecular markers in their mapping. The Proceeding of the Genetic Resources Institute, (3), p.130-134.

S.S. Sharifova (2009). The effect of salt stress on activity of genome in pepper plants (*C. annuum* L.). The Proceeding of the Ganja Regional Center of the Azerbaijan National Academy of Sciences, (35), p. 9-12. (in Azerbaijani)

S.S. Sharifova, A.H. Babayev (2008). Study of the physiological-genetic responses of tomato genotypes to drought stress. The Proceeding of the Azerbaijan National Academy of Sciences, (3-4), p. 139-145.

Memberships

- Member of Solanaceae and Cucurbits Working Group of The European Cooperative Program for Plant Genetic Resources (ECPGR)