

**PERSONAL INFORMATION****Mahammad Eldarov, Ph.D. in Biology**

📍 Khazar University, Mahsati 41, AZ1096, Baku, Azerbaijan

☎ (+99412) 421 10 93 ext. 246 📠 (+99450) 571 91 91

✉ [meldarov@khazar.org](mailto:meldarov@khazar.org)

🌐 <http://www.khazar.org/>

Sex Male | Date of birth 05/02/1987 | Nationality Azerbaijan

**EDUCATION & SCHOLARSHIPS:**

- **Postdoctoral researcher (2019 – Present)**
- **Visiting Scholar**, Wheat Breeding and Genetics research group (2019 – 2020)  
Department of Soil and Crop Sciences, Colorado State University, Colorado, USA
- **Ph.D. student** in Biodiversity (2012 – 2017)  
THESIS TITLE: Eco-geographical distribution and genetic diversity of *Aegilops* L. species in Azerbaijan  
Genetic Resources Institute of ANAS, Baku, Azerbaijan
- **Ph.D. exchange program, Biodiversity, Ecology and Evolution (2013 – 2014)**  
Georg-August-Universität Göttingen (GAU), Göttingen Germany
- **MSc in Methods and methodology of Biology (2008 – 2010)**  
Azerbaijan State Pedagogical University, Baku, Azerbaijan
- **BSc in Biology (2004 – 2008)**  
Azerbaijan State Pedagogical University, Baku, Azerbaijan

**PROFESSIONAL CAREER:**

Name of employer	Department and position held	Dates
Khazar University	Vice Dean, Graduate School of Science, Art, and Technology	2022 - present
Khazar University	Coordinator of Graduate School of Science, Art, and Technology	2020 - 2022
Food Safety Institute of The Republic of Azerbaijan	Head of the department Bioengineering Research department	2018 - 2020
Genetic Resources Institute of ANAS	Molecular cytogenetics department Senior Research Fellow	2017 – 2018
Chairman of “The Council of Young Scientists and Specialists” of the Institute of Genetic Resource		2013 - 2018
Genetic Resources Institute of ANAS	“Molecular cytogenetics” department Research Fellow	2012 - 2017
Genetic Resources Institute of ANAS	“Bioecology” department Junior Research Fellow	2009 - 2012

**INTERNATIONAL AND NATIONAL TRAINING:**

Name of Training	Name of Organization	Town and Country	Dates
Statistical and bioinformatics tools by utilizing the latest molecular genetic methods and facilities (Next Generation Sequences)	Colorado State University	Colorado, USA	25.09.2019 / 02.08.2020
Workshop on Improving National Codex Capacities	Food and Agriculture Organization of the United Nations (FAO)	Baku, Azerbaijan	05-06/02/2019
The Workshop on Microbiology and Molecular Biology	India, HIMEDIA	Baku, Azerbaijan	17-19/12/2018
Food diagnostics analysis by qPCR	Biotecon Diagnostics and Altigen	Baku, Azerbaijan	25 - 26.10.2018
Central Asia and Caucasus Wheat Improvement training	CIMMYT and FAO	Turkey and Mexico	22 February / 22 March 2018
	FAO (Food and Agriculture Organization)	El Batan, Texcoco,	23 March /

Basic Wheat Improvement Course	and CIMMYT (International Maize and Wheat Improvement Center)	Obregon, Mexico	25 May, 2018
Collecting, Handling, and Long-Term Conservation of Seeds of Wild Species Relative to Crop	The United Kingdom, Millenium Seed Bank Partnership (Royal Botanic Gardens, Kew)	Baku, Azerbaijan	23.05.2016 / 27.05.2016
"Next Generation Sequencing Practical Course"	Genetic Resources Institute of ANAS	Baku, Azerbaijan	01.06.2015 / 05.06.2015
"Designing and statistical data analysis of plant variety trials" training course	Food and Agriculture Organization (FAO)	Khyrdalan, Azerbaijan	22.11.2014 / 02.12.2014
"Recent topics in plant ecology and nature conservation" Seminars	Georg-August-Universitet Göttingen (Albrecht-von-Haller-Institut für Pflanzenwissenschaften)	Göttingen, Germany	31.01.2014 / 06.02.2014
"Seed Conservation Techniques training course"	United Kingdom (Royal Botanic Gardens, Kew), SCD (Seed Conservation Department)	London, England	09.09.2012 / 29.09.2012
"DIVA-Gis" Program	Genetic Resources Institute of ANAS	Baku, Azerbaijan	30.03.2011 / 31.03.2011

## LANGUAGE & COMPUTER SKILLS

**Mother tongue (s):** Azerbaijani

**Another language (s):** English – C1; Russian – C1; Turkish – C1; Deutsch – A2 and Spanish – A1

Microsoft Office programs (Word, Excel, Power-Point); PC Image Editor; Diva-Gis; TSAPWin; Axion Vision 4.9; Structure 2.3.4; TASSEL 5.0 and TASSEL Version 5.0 Standalone; Table Plus; SQLite Version 3; R Studios

## TEACHING

**Lecturer** - General Biology (2020 - present)

R for Biology (2020 - 2022)

## NATIONAL AND INTERNATIONAL GRANTS:

1. Dr. Sanjaya Rajaram Central Asia and Caucasus Wheat Improvement Scholarship 2018 Turkey and Mexico.
2. FAO and Borlaug Training Foundation 2018, Mexico
3. Adapting Agriculture to Climate Change: Collecting, Protecting and Preparing Crop Wild Relatives (CWR Project) "Towards a more complete coverage of the diversity of crop wild relatives in *ex-situ* collections" (Crop Wild Relatives in Azerbaijan 01.04.2015 – 26.12.2017).
4. California Lettuce Research Board. Project title: Lettuce Breeding, USDA-ARS (April 1, 2015 – March 31, 2016).
5. Volkswagen Foundation: Title: Forest regeneration and biodiversity at the forest-steppe border of the Altay and Khangay Mountains under contrasting developments of livestock numbers in Kazakhstan and Mongolia. 2013-2014 in Germany:
6. Erasmus Mundus, ALRAKIS II Scholarship: "Tree-ring analyses to detect the climate response of radial stem growth in wood samples from Central Asia." (01.03.2013-28.02.2014, Goettingen, Germany)
7. Winner of national grant: Science development foundation under the President of the Republic of Azerbaijan: Project Title: The development of the scientific principles of the bio-systematic research, protection and *in-situ* recovery of the Critically Endangered (CR) higher plants: Date:01.03.2011/01.03.2012 / Grant Agreement number: EIF-2010- 1(1)

## HONORS/AWARDS:

1. In 2020 I have been awarded a grant from Roy Mongelli International Student and Scholar Support fund in the Colorado State University
2. In 2019 Chairman of the Food Safety Agency of the Republic of Azerbaijan awarded an honorary decree on the occasion of World Food Security Day on June 7 for his fruitful work and proper performance of his duties (Goshgar Tahmazli)
3. In 2018 "*Norman Borlaug*" Foundation Award. The International Maize and Wheat Improvement Center
4. In 2018 On Improvement of Central Asian and Caucasian Wheat "Dr. Sanjaya Rajaram" Award. Food and Agriculture Organization of the United Nations
5. In 2015 was the winner of the "Youth Award" by The Ministry of Youth and Sports of the Republic of Azerbaijan (Azad Rahimov)

6. In 2015 was awarded the "Honor Diploma" of the Department of Agrarian Sciences, by the academician of ANAS (Garib Mammadov)
7. "According to scientific activities in 2014" awarded the "Honor Diploma of ANAS by the President of Azerbaijan National Academy of Sciences (Academic Akif Alizadeh)

## PUBLICATIONS

Javid Ojaghi, Jamala Eldarova (Mursalova), Sevinj Nurieva, Samira Salayeva, **Mahammad Eldarov** and Zeynal Akparov. Allelic diversity of Azerbaijan bread wheat (*Triticum aestivum* L.) by SSR markers // Turkish Journal of Agriculture and Forestry. Turkey, 2023. *Submitted*

C.M. Eldarova, **M.E. Eldarov**, Z.İ.Əkpərov, S.D.Haley. Müxtəlif mənşəli buğda genotiplərində genetik müxtəlifliyin sekvens əsaslı genotipləşdirmə (GBS) ilə qiymətləndirilməsi // Əkinçilik Elmi-Tədqiqat İnstitutunun Elmi Əsərləri Məcmuəsi, - Bakı: - 2023. *Submitted*

Ojaghi J., Sharifova S., **Eldarov M.**, Minaeil S., Allahverdiyeva S., Abdullayev F., Hasanov A., Gurbanov I., Khalilova I., Abolghasem Mohammadi A. (2022). Molecular characterization of Azerbaijan's tea (*Camellia sinensis* L.) genotypes by insertional polymorphism as revealed by IRAP and REMAP markers. Proceeding of The 2nd International Congress on Cocoa Coffee and Tea Asia. May 19th - 20th, Baku, Azerbaijan

Mehdiyeva S.P., **Eldarov M.E.**, Sharifova S.S., Abbasov M.A., Aliyeva A.J., Akparov Z.I.. (2021) Diversity of the *Triticeae* genetic resources in the Karabakh region of Azerbaijan. Journal of Life Sciences & Biomedicine, Vol. 3;№2. <http://dx.doi.org/10.29228/jlsb.34>

Dulamsuren, C., Abilova, S. B., Bektayeva, M., Eldarov, M., Schuldt, B., Leuschner, C., & Hauck, M. (2019). Hydraulic architecture and vulnerability to drought-induced embolism in southern boreal tree species of Inner Asia. *Tree Physiology*, 39(3), 463-473. <https://academic.oup.com/treephys/article/39/3/463/5153307?login=true>

**Eldarov, M.**, Aminov, N., van Slageren, M. (2018). Distribution and new variability of *Aegilops cylindrica* Host in Azerbaijan. *Genetic Resources and Crop Evolution* 65 1307-1316. <https://link.springer.com/article/10.1007/s10722-018-0615-8>

Khansaritoreh, E., **Eldarov, M.**, Ganbaatar, K., Saindovdon, D., Leuschner, C., Hauck, M., & Dulamsuren, C. (2017). Age structure and trends in annual stem increment of *Larix sibirica* in two neighboring Mongolian forest-steppe regions differing in land use history. *Trees* 31, 1973-1986. <https://link.springer.com/article/10.1007/s00468-017-1601-z>

**Eldarov M.**, Aminov, N., van Slageren, M. (2015). Distribution and ecological diversity of *Aegilops* L. in the Greater and Lesser Caucasus Regions of Azerbaijan. *Genetic Resources and Crop Evolution* 62, 265-273. <https://link.springer.com/article/10.1007/s10722-014-0151-0>

Mursalova, J., Akparov, Z., Ojaghi, J., **Eldarov, M.**, Belen, S., Gummadov, N., & Morgounov, A. (2015). Evaluation of drought tolerance of winter bread wheat genotypes under drip irrigation and rain-fed conditions. *Turkish Journal of Agriculture and Forestry* 39, 817-824. <https://journals.tubitak.gov.tr/agriculture/abstract.htm?id=16882>

Elmira Khansaritoreh, Choimaa Dulamsuren, **Mahammad Eldarov**, Christoph Leuschner, Markus Hauck. (2015). Age structure and annual stem increment in two forest-steppe regions at different land-use intensities. *Management & Ecosystem Services Poster Abstracts. / High Tatra Mountains* 7-9 July.

**Eldarov M.E.**, Aminov, N.Kh. & van Slageren M. (2017). Ecological and botanical diversity of *Aegilops* L. species in Absheron and Kur-Araz region // *Azerbaijan National Academy of Science, Council of Young Scientists and Specialists scientific-practical journal* (biology, medicine, and agrarian science). Bakı, 3(1), p. 162-167 (in Azerbaijani).

**Eldarov M.E.**, Aminov N.Kh. & van Slageren M. (2017) Biomorphological features of *Aegilops tauschii* Coss. distributed under different ecological conditions of Azerbaijan // *Azerbaijan National Academy of Science, Proceeding (biological and medical science)*. 72(2), p. 60-65 (in Azerbaijani).

Mursalova J.M., Akparov Z.I., Ojaghi J.M., **Eldarov M.E.**, Morgounov A.I. (2016). Potential usefulness of the morphological traits for evaluation of drought resistance in winter wheat / Всероссийская конференция международным участием "50 лет ВОГиС: успехи и перспективы". Москва, 8-10 ноября, p. 348.

Mursalova J.M., **Eldarov M.E.**, Sharifova S.S. (2016). Gen-specific primerlerin dizayn edilməsi // International Youth Forum: Integration processes of the world science in the 21<sup>st</sup> century, Ganja, 10-14 October, p.210-211.

Mursalova J.M., Akperov Z.I., Sharifova S.S, Ojaghi J.M., **Eldarov M.E.**, Morgounov A.I., Trojanowska M.R. (2015).

Investigation of genetic diversity of wheat genotypes (*Triticum aestivum* L.) using microsatellite markers // The Reports of the Azerbaijan National Academy of Sciences. Baku, V. LXXI, №2, p. 87-92.

**Eldarov M.E.**, Aminov N.Kh. (2015). Distribution and ecological diversity of *Aegilops* L. species in the south region of Azerbaijan // *Journal of Qafqaz University (biological sciences)*, Baku, 3(2), p. 152-156.

**Eldarov M.E.** Mursalova J.M. (2015) Eko-geographical distribution of *Aegilops* L. species in Azerbaijan / *Azerbaijan National Academy of Science, Council of Young Scientists and Specialists – Academic Science Week - 2015 International Multidisciplinary Forum*. p. 310. (in Azerbaijani).

**Eldarov M.E.**, Aminov N.Kh. & van Slageren M. (2015). Eco-botanical diversity of *Aegilops* L. species in Nakhchivan AR // *Azerbaijan National Academy of Science, Proceeding (biological and medical science)*. 70(3), p. 82-87. (in Azerbaijani).

**Eldarov M.E.** & Azizkhanly Kh.M. (2012) Bio-ecological characteristics and ecological assessment of some rare, endemic and fodder plants of Legumes belonged to the floristic mountain area of Guba and Gusar region of the (Great Caucasus) / Институт Ботаники Им. М.Г. Холодного Нан Украины Ужгородский Национальный Университет, Международная конференция молодых ученых "Актуальный Проблеммы Ботаники и Экологии" Украйна, Ужгород, p.180-181.

Asgarov A.M., Qadirov Q.I. **Eldarov M.E.**, Asadova K.V., Azizkhanly X.M., and Guvandiyev V.M. (2012). Bioecological characteristics and ecological assessment of some rare and endemic fodder plants of legumes belonging to the floristic mountain area of Guba region of the Great Caucasus // *Azerbaijan National Academy of Science, Institute of Genetic Resources. Scientific works*, p.132-138 (in Azerbaijani).

Asgarov A.M., Asadova K.V., Guvandiyev V.M., Azizkhanly X.M., and **Eldarov M.E.** (2012). Ecological assessment and new spreading areas of some endangered supreme plants in the Absheron peninsula // The Reports of the Azerbaijan National Academy of Sciences. Baku. (LXVIII, № 1) p.99- 105 (in Azerbaijani).

Asgarov A.M., Qadirov Q.I., Asadova K.V., Guvandiyev V.M., Azizkhanly X.M., and **Eldarov M.E.** (2011). Investigation of wild relatives from Leguminous and grains families of the eastern part (Siyazan, Shabran and Khachmaz region) of the Great Caucasus // *Azerbaijan National Academy of Science, Institute of Botany. Scientific works*, 31. p. 17-24 (in Azerbaijani).