



## Sabina Mehdiyeva

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### WORK EXPERIENCE

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#### Teacher in Biology & Integrative Science

*Dunya IB School* [ 16/02/2023 – Current ]

City: Baku | Country: Azerbaijan

#### Lecturer in Life Sciences

*Khazar University* [ 16/09/2023 – 28/12/2023 ]

#### Lecturer in Immunology

*Khazar University* [ 16/09/2023 – 29/12/2023 ]

#### Lecturer in Cell Engineering

*Baku State University* [ 16/02/2022 – 16/06/2022 ]

#### Leading Researcher in the Laboratory of Molecular Cytogenetics

*Genetic Resources Institute of Azerbaijan National Academy of Sciences* [ 2017 – Current ]

City: Baku | Country: Azerbaijan

#### Senior Researcher in the Laboratory of Molecular Cytogenetics

*Genetic Resources Institute of Azerbaijan National Academy of Sciences* [ 2016 – 2018 ]

City: Baku | Country: Azerbaijan

#### Researcher in the Laboratory of Molecular Cytogenetics

*Genetic Resources Institute of Azerbaijan National Academy of Sciences* [ 2010 – 2017 ]

City: Baku | Country: Azerbaijan

#### Junior Researcher in the Laboratory of Molecular Cytogenetics

*Genetic Resources Institute of Azerbaijan National Academy of Sciences* [ 2005 – 2011 ]

City: Baku | Country: Azerbaijan

#### Teacher of Biology

*Sabirabad State College* [ 1999 – 2006 ]

City: Sabirabad | Country: Azerbaijan

### EDUCATION AND TRAINING

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#### PostDoc in Genetics

*Genetic Resources Institute of Azerbaijan National Academy of Sciences* [ 2016 – Current ]

City: Baku | Country: Azerbaijan

## **Training on molecular cytogenetic techniques provided by Postdoctoral Program Grants of Azerbaijan National Academy of Sciences**

*The Leibniz Institute of Plant Genetics and Crop Plant Research (IPK)* [ 06/2019 – 08/2020 ]

City: Gatersleben | Country: Germany

## **Training on molecular cytogenetic techniques supported by Fulbright Scholar Program**

*University of California* [ 06/09/2019 – 06/12/2019 ]

City: Riverside | Country: United States

## **Training on molecular cytogenetic techniques provided by FAO (The Food and Agriculture Organization of the United Nations)**

*Institute of Cytology and Genetics of the Siberian Branch of the Russian Academy of Sciences* [ 09/2018 – 12/2018 ]

City: Akademgorodok (Novosibirsk) | Country: Russia

## **PhD in Genetics**

*Genetic Resources Institute of Azerbaijan National Academy of Sciences* [ 2010 – 2017 ]

City: Baku | Country: Azerbaijan

## **Certificate of Completion of a training course on Winter Wheat Breeding**

*Uzbek Scientific Production Center for Agriculture and the Regional Programm of ICARDA for Central* [ 22/04/2013 – 03/05/2013 ]

City: Karshi | Country: Uzbekistan

## **Certificate of Completion the Sandwich Doctorate requirements of the Erasmus Mundus Action 2 - Partnerships for Georgia, Armenia & Azerbaijan program (ECTS Credits achieved 60)**

*European Commission* [ 2010 – 2012 ]

City: Thessaloniki | Country: Greece

## **Training on molecular cytogenetic techniques**

*Agricultural Research Institute of the Hungarian Academy of Sciences* [ 11/07/2012 – 21/07/2012 ]

City: Martonvásár | Country: Hungary

## **Training on molecular cytogenetic techniques (Grant holder, EIF-2010-1(1), Science Development Foundation under the President of the Republic of Azerbaijan)**

*WGGRC (Wheat Genetics and Genomics Resources Centre)* [ 05/2011 – 07/2011 ]

City: Manhattan | Country: United States

## **Master of Science in Human and Animal Physiology**

*Azerbaijan State Pedagogical University* [ 1997 – 2000 ]

City: Baku | Country: Azerbaijan

## **Bachelor of Science in Biology**

*Azerbaijan State Pedagogical University* [ 1993 – 1998 ]

City: Baku | Country: Azerbaijan

## **TRAINING**

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## LANGUAGE SKILLS

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**Mother tongue(s):** Azerbaijani

**Other language(s):**

### English

LISTENING B2 READING C1 WRITING C1

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

### Russian

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## DIGITAL SKILLS

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Microsoft Office / Microsoft Word / Microsoft Excel / Microsoft Powerpoint / Google Drive / Power Point / Zoom / Outlook / Social Media / Facebook / Skype / Internet user

## PUBLICATIONS

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[İslamova Ş.Q., Rəhimov R.Q., Mehdiyeva S.P. Abşeronda yayılmış nəhəng qım bitkisinin \(Leymus racemosus \(Lam.\) Tzel.\) sitogenetik və morfoloji tədqiqi. Gənc tədqiqatçı jurnalı, 2024, 10;1: 47-56.](#)

[Mehdiyeva S. P., Sharifova S. S. Increased seminal root number in polyembryonic seedlings of amphiploids AD 908 and HT 471. International Scientific Conference - Plant genetic resources: opportunities and challenges. 22-24 May, 2024, Tbilisi, Georgia.p.47.](#)

[Mehdiyeva S. P., Sharifova S. S. Comparaive study of morphological traits of seedlings in polyembryonic triticales line AD908. Матеріали Міжнародної наукової конференції з нагоди 100-річчя від дня народження доктора сільськогосподарських наук, професора Григорія Родіоновича Пікуша \(20–21 березня 2024 р., м. Дніпро, Україна\). P.350.](#)

[Мехтиева С.П., Шарифова С.С., Межамфилоидная гибридизация с участием трититригии \(T.aestivum/ Ag.junseum\). Инновационные технологии в селекции, семеноводстве и возделывании зерновых культур: проблемы, достижения и перспективы. Сборник научных статей в 2-х томах. Задачи селекции и семеноводства зерновых культур по материалам международной научной конференции, посвящённой 300-летию Российской академии наук 04-05 апреля 2024 г. Том 1. Россия. С.136.](#)

[2023]  
[Two major chromosome evolution events with unrivaled conserved gene content in pomegranate. Front. Plant Sci., 13 March 2023 Sec. Plant Systematics and Evolution Volume 14 - 2023](#)

[Rəhimov R.Q., Musayeva G.D., Mustafayeva S.E., Məmmədova S.M., Mehdiyeva S.P. Bərk buğda ilə tritordeum arasındakı çarpazlaşmadan alınan F1 hibridlərdə meyoza prosesinin tədqiqi. Əkinçilik Elmi-Tədqiqat İnstitutunun Elmi Əsərləri Məcmuəsi, 2023, 2\(32\);1:1- 8.](#)

[2023]  
[Адолина И.Г., Зорина М.В., Мехдиева С.П., Леонова И.Н., Комышев Е.Г., Тимонова Е.М., Салина Е.А. Характеристика синтетической линии пшеницы – потенциального источника хозяйственно ценных признаков.](#)

[Рахимов Р.Г., Хазраткулова Ш.У., Мехтиева С.П. Полевая выживаемость гибридов F1. Достижения и перспективы селекции и технологий возделывания сельскохозяйственных культур. Селекция и семеноводство: состояние, проблемы и перспективы развития \(по материалам международной научной конференции, посвященной 140-летию со дня рождения доктора сельскохозяйственных](#)

[наук, профессора, лауреата Государственной премии, Героя Социалистического Труда Виктора Евграфовича Писарева\) Том 1. С.239. Россия. 2023](#)

[2023]

[Adonina I. G., Zorina M.V., Mehdiyeva S.P., Leonova I.N., Komyshev E.G., Timonova E.M., Salina E.A. Synthetic amphiploids - a potential source of common wheat genetic diversity in economically valuable traits.](#)

[Musayeva G. D., Rahimov R. G., Mehdiyeva S. P. Field evaluation of resistance to powdery mildew in triticale in conditions of Absheron peninsula \(Azerbaijan\). p.148. Plant Stress and Adaptation: Abstracts of the Second International Scientific Conference, dedicated to the 125th anniversary of the birth of Prof. F.P. Matskov \(Kharkiv, 7-8 June 2023\). Kharkiv, 2023. 184 p. \[Electronic edition\].](#)

[Адоина И.Г., Прокопьева М.В., Мехдиева С.П., Салина Е.А. Кариотипические особенности гибридных форм гексаплоидной пшеницы с вавилоидным типом ветвления колоса. Генофонд и селекция растений: доклады и сообщения V Международной конференции «Генофонд и селекция растений» \(Новосибирск, 11–13 ноября 2020 г.\) / Федер. исслед. центр Ин-т цитологии и генетики Сиб. отделения Росс. академии наук. – Новосибирск : ИЦиГ СО РАН, 2020. – с.21-24 – ISBN 978-5-91291-052-4. – DOI 10.18699/GPB2020-00](#)

[S.P. Mehdiyeva, N.X.Əminov, A.Houben TRİTİKALE İLƏ YUMŞAQ BUĞDA HİBRİDLƏŞMƏSİNDƏN ALINAN AD908 POLİEMBRİON XƏTTİNİN MOLEKULAR SİTOGENETİK TƏDQIQI.AMEA Genetik Ehtiyatlar İnstitutunun Elmi Əsərləri, səh.121-127, IX cild, № 1 \(2020\)](#)

[Adonina I.G., Mehdiyeva S.P., Prokopjeva M.V., Aminov N.K., Salina E.A. Triticale-wheat hybrid lines with the vaviloid type of spike branching.THE FIFTH INTERNATIONAL SCIENTIFIC CONFERENCE "PLANT GENETICS, GENOMICS, BIOINFORMATICS, AND BIOTECHNOLOGY \(PLANTGEN2019\)", Novosibirsk, 2019](#)

[Mehdiyeva, S. P. & Aminov, N. Kh. Development of wheat variety with rounded grains. III Міжнародна науково-практична конференція «Світові рослинні ресурси: стан та перспективи розвитку», Ukraine, 2017, pp.10-11.](#)

[Mehdiyeva S.P., Adonina I.G., Abbasov M.A., Aminov N.Kh., Salina E.A. Occurrence and variability of polyembryonic seedlings in triticale-wheat hybrid line.THE FIFTH INTERNATIONAL SCIENTIFIC CONFERENCE "PLANT GENETICS, GENOMICS, BIOINFORMATICS, AND BIOTECHNOLOGY \(PLANTGEN2019\)", Novosibirsk, 2019](#)

[Mehdiyeva S. P., Aminov N. Kh., M. W. van Slageren. Morphotype formation in the generations of triticale×synthetic wheat cross. Triticeae Symposium Proceedings, Gatersleben, Germany 2017, p. 89](#)

[Mehdiyeva S.P., Aminov N.Kh. Ploidy level reset among hybrid populations of triticale × wheat crosses. Genetics of Populations: Progress and Perspectives. Proceedings of the International Scientific Conference commemorating the 80th birthday of Academician Yury P. Altukhov \(1936– 2006\) and dedicated to the 45th anniversary of the Laboratory of Population Genetics VIGG RAS named after Yu.P. Altukhov, Moscow, 2017, P. 165-166.](#)

[Mehdiyeva, S. P. & Aminov, N. Kh. Combining ability in synthetic hexaploid wheat × rye crosses. VIII Всеукраїнська науково-практична конференція "Біологічні дослідження – 2017", Ukraine, 2017, pp. 49-50.](#)

[Sharifova S., Mehdiyeva S., Abbasov M. Analysis of genetic diversity among different tomato genotypes using ISSR DNA marker.GENETIKA, 2017, Vol.49, №1, p.31-42.](#)

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

[Aliyeva A., Mehdiyeva S., Kerimova R. Short-stemmed vaviloid branched spike lines and their cytogenetics. Vavilov Journal of Genetics and Breeding, Vol.19\(1\):91-96, 2015](#)

Mehdiyeva S. Polyembryony in Hybrids Of Wheat-Rye Amphyploid ABDR (2n=42).Proceedings of Azerbaijan National Academy of Sciences (Biological and Medical Sciences), Vol.№2, pp.115-120, 2013.

Sharifova S., Mehdiyeva S.,Theodorikas K.,Roubos K. Assessment of Genetic Diversity in Cultivated Tomato (S. Lycopersicum L.) Genotypes Using RAPD Primers.Journal of Horticultural Research, Poland, 2013, vol. 21(1), p. 83-89

Мехтиева С.П., Аминов Н.Х. Формообразовательный процесс при скрещиваниях гексаплоидного тритикале с полбой. Фундаментальная исследования, 2013, № 11, Часть 6, с. 1191–1196.

Aliyeva A., Ojaghi J., Mehdiyeva S.Electrophoretic Profiles of Gliadin Subunits to Evaluate Genetic Diversity of Azerbaijan Synthetic Branched Spike Wheat Accessions. Agric. & Environ. Sci., 12 (10): 1343-1349, 2012