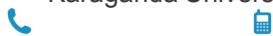


PERSONAL INFORMATION

ISHMURATOVA MARGARITA YULAYEVNA



📍 Republic of Kazakhstan, Karaganda city, Universitetskaya street, 28, E.A. Buketov
Karaganda University



✉ margarita.ishmur@mail.ru

🌐 <https://www.researchgate.net/profile/Margarita-Ishmuratova>



| Date of birth: 02/11/1976.

PLACE OF WORK, POSITION

E.A. Buketov Karaganda University, Research Professor of the Department of Botany

SCIENTIFIC DEGREE, SCIENTIFIC TITLE (ACADEMIC DEGREE)

Candidate of biological science

WORK EXPERIENCE PLACE AND DATE

EDUCATION AND PROFESSIONAL TRAINING

Education

Professional trainings, Scientific trips

- **1997-2008** – young researcher, researcher, senior researcher of JSC «Research and Productive Center «Phytochemistry»;
- **2008-2012** – leading researcher, director of Zhezkazgan botanical garden;
- **2012-2015** – docent of department of pharmaceutical disciplines of Academy «Bolashaq», head of science department;
- **from September 2015 till present days** – professor of botany department of E.A. Buketov Karaganda University;
- **1998-2007** – from September 2019 till present days Karaganda State University, faculty of biology and geography, specialty of biological and geographical sciences (Candidate of Biological Sciences) (Academy «Bolashaq», speciality 5B011900 – «Foreign language: two foreign languages»);
- **1999-2001** – from September 2020 till present days Institute of the Botany of the National Scientific Center «Sobor» (Academy «Bolashaq», speciality 5B011900 – «Foreign language: two foreign languages»);
- **2016-2018** – from September 2022 till present days – member of Republic Study-Methodological Soviet on Geobotany.
- Course on platform Future Learn “Understanding IELTS. Techniques for English Language Tests” British Council
- Course on platform Udemy.com “Introduction to teaching”.
- Course on platform Udemy.com “Teacher’s Superpower: how to use socratic In class”.
- Course on platform Udemy.com “Work based learning teacher training”.
- Course on platform Udemy.com “Top-20 formulae Excell for every day”.
- Course on platform Courcera.com «English for Media Literacy», Pennsylvania University, 2020
- Course on platform Courcera.com Courcera.com «English for Science, Technology, Engineering and Mathematics», Pennsylvania University, 2020
- Course «Environmental parasitology», Tyumen State University
- Course «NeuroNet» on platform Lectorium.
- Course «Genetics» on platform Lectorium, Novosibirsk State University.
- Participation in International scientific-practical conference, to the 80 year anniversary of Grodno State University named after Yanka Kupala «University is the territory of advanced development», Grodno, Belarus, February, 2020.
- ENTER quality management standard online training (11 hours) in the frame of the ERASMUS+ project (ENTER), июль 2020.
- Online course «How to be a project manager» (Academy of managers, Moscow, 2020).
- Sertificate of professional development “Online course facilitated sessions” project, 88 hours (KAZTAE, US Embassy in Kazakhstan, 2020).
- Online course «Preference of presentations» (ANO «NANO», Moscow, 2020).

- Online course on platform Coursera “Scientific text – to study to write on Russian and English” (National Research Nuclear University, Москва, 2020).
- Online course on platform Coursera “Life in soil” (Tomsk State University, 2020).
- Teaching seminar in theme «Herbarium fund of state botanical gardens: materials collecting, processing, system of storage and forming of electronic data base of herbarium samples» (21.09-02.10.2020, Mangyshlak experimental botanical garden, Aktau).
- iPET-1 engineering teacher international education program, 2021;;
- Professional development course on "Green Economy as a Determinant of Sustainable Development of the Republic of Kazakhstan", 72 hours, Coalition for Green Economy, Almaty, Almaty (2022);
- course "Methods of digitization of data on flora and fauna and placement on international biodiversity platforms", 36 hours, Buketov University.

SKILLS DEVELOPMENT INFORMATION

- Course of center of professional development of Academy “Bolashaq” ЦПК «Digital technology of student-oriented teaching in high school institutions» (Karaganda, Kazakhstan, 21.01.19-25.01.19, 72 hours).
- Scientific and practical seminar «Linguodidactic and psychological-pedagogical peculiarities of development of bi-lingual children: diagnostic, lingual support and therapy» (Russian State Pedagogical University named after A.I. Herzen, Saint-Petersburg, Russia. 12-14.12.2018, 6 hours).
- Teaching seminar «Digital transformation of pedagogical activity in development education environment» (Institute of computer science and technological education of Russian State Pedagogical University named after A.I. Herzen, Saint-Petersburg, Russia, 12.12.2018, 6 hours).
- Course of professional development «Mathematic methods in ecology and environmental management», Czech Technical University (May, 30 – June, 17, 2017).
- Course of professional development on English language. International language school Jipka (Praha, May, 21 – June, 17, 2017).
- Course of professional development “Base for preparation documents on system LaTeX (18 hours). E.A. Buketov KarSU.
- Course of professional development for lecturers of pedagogical specialty of high school institutions on the base JSC «National Center of Professional Development “Orleu» «The modern pedagogical technology», 240 hours (October, 21 – November, 17, 2016),
- Course of professional development “Learning and Teaching in Higher Education” на базе Newcastle University (9-17.12.2016).
- Cycle of teaching seminar of Britain Council «Research Management and Administration» (29-30.09.2016).
- Course of professional development «Computer on biology lessons». University of 1st September (72 hours, Moscow, 01.04.-01.06.2015).
- Course of professional development on theme «Preparation the lecturers of high school institutions to the teaching with using of modern distant educational technologies» (September, 2019, E.A. Buketov KarSU, 72 hours).
- Course of professional development «Olimpic approach in teaching: how to prepare scholars to the olimpiad on biology», 72 hours (September 2019, JSC “Foxford”).
- Course of professional development «Plant Physiology» (72 hours) on the base of al-Farabi Kazakh National University, November, 2020.
- Professional Training on the base of Institute of Plant Biology and Biotechnology (Almaty) on theme «Technique of micro-clonal reproduction and cryopreservation» (66 hours), November, 2020.
- Course of professional development «Molecular genetics» (72 hours) on the base of al-Farabi Kazakh National University, December, 2020.
- Professional Online Training on the base Charles University «Digital technology in high school institutions of European Union. Quality of education with using of digital technology» (Institute of International education, Charles University, Praha), 02-18.11.2020.
- Course of professional development «Modern Botany», 72 hours, Altai State University, 2020.

- Course of professional development «Actual problems of biological science», 72 hours, Altai State University, 2020.
- Online Professional Development Course "Mathematical Methods and Computer Technologies of Data Processing and Analysis in Scientific Research", (Altai State University, 2021), Barnaul, Russia, 108 hours;
- Kazakhstan-Minnesota Academic Publishing Partnership (K-MAPP) Program, University of Minnesota, 2021;
- Online professional development course "Actual problems of biological science and education", (Altai State University), Barnaul, Russia, 72 hours, 2020;
- Online course "Ecology of Nanomaterials", 72 hours, Tomsk State Polytechnic University.

PERSONNEL QUALITIES

Native language Russian

LANGUAGE	UNDERSTANDING		SPEAKING		WRITING
	Hearing	Reading	Oral speech		
Kazakh	A2	A2	A2	A2	A2
LANGUAGE CERTIFICATE: NO					
English	B2	B2	B2	B2	B2
LANGUAGE CERTIFICATE: NO					
German	A2	A2	A2	A2	basic
LANGUAGE CERTIFICATE: NO					
Italian	A2	A2	A2	A2	basic
LANGUAGE CERTIFICATE: NO					

Digital skills

Advanced user: Microsoft Office (Word, Excel, Power Point), STATISTICA 6.0; graphic redactor Adobe Illustrator, Paint), programs of video treatment (Adobe Premier Pro, Final Cut Pro X, Movavi), program for creation electronic text-books. Knowledge of operational system: Windows.

Other skills (hobbies)

writing, intellectual games, philately, post-crossing, travelling

ADDITIONAL INFORMATION

Main publications
<p>1 Turuspekov Y., Genievskaya Y., Baibulatova A., Zatybekov A., Kotuhov Y., Ishmuratova M., Imanbayeva A., Abugalieva S. Phylogenetic Taxonomy of Artemisia L. Species from Kazakhstan Based on Matk-Analyses // Proceedings of the Latvian Academy of Sciences, Section B: Natural, Exact, and Applied Sciences, 2018, Vol. 72, № 1 (712), P. 29–37.</p> <p>2 Akhmetalimova A. M., Ivasenko S. A., Marchenko A. B., Ishmuratova M. Yu., Poleszak E., Ludwiczuk A., Loseva I. V. The study of the chemical composition of Thymus eremita Klok. and Thymus rasiatus Klok. from the Karaganda Region // News Of The National Academy Of Sciences Of The Republic Of Kazakhstan-Series Chemistry And Technology, 2018, Vol. 5, P. 20-25.</p> <p>3 Meyramov G., Dupont O.-N., Kartbayeva G. Prevention of destruction of b-cells of isolated pancreatic islets caused by 5-nitro-8-oxyquinoline // Transplant International, 2017, Vol. 30, P. 541-541.</p> <p>4 Ishmuratova M.Yu., Tleukenova S.U., Gavrilkova E.A., Dodonova A.Sh. Determinant of vascular plants of the Central Kazakhstan. – Karaganda: Polygraphist, 2016, 302 pages.</p> <p>5 Konkabayeva A.E., Ishmuratova M.Yu. Assesment of accumulation of heavy metals in soil, water and plants of industrial region of Karaganda oblast. - Karaganda: Polygraphist, 2016. – 112 pages.</p> <p>6 Ishmuratova M.Yu., Tleukenova S.U., Dodonova A.Sh., Gavrilkova E.A. Endemic</p>

plant species of the Karaganda region's flora (the Central Kazakhstan). - Karaganda: Polygraphist, 2016, 109 pages.

7 Minajov A.I., Ismailova F.M., Sagaliyev I.A., Ishmuratova M.Yu., Turlybekova G.K. Flora and fauna of State National Natural Park «Buiratau». – Karaganda, 2019, 152 pages.

8 Ishmuratova M.Yu. Essential oil plants of the Karaganda region. Monograph. - Karaganda: "Arko" Ltd, 2020, 107 p.

9 Zhumina A.G., Li K., Konovalova A.A., Li Ye.A., Ishmuratova M.Yu., Pogossyan G.P., Danilenko M. Plasma 25-hydroxyvitamin D levels and VDR gene expression in peripheral blood mononuclear cells of leukemia patients and healthy subjects in Central Kazakhstan // *Nutrients*, 2020, Vol. 12, Issue 1229 .

10 Ivasenko S.A., Orazbayeva P., Skalicka-Wozniak K., Ludwiczuk A., Ishmuratova M.Yu., Poleszak E., Korona-Glowniak I., Akhmetova S.B., Karilkhan I., Loseva I. Antimicrobial Activity of Ultrasonic Extracts of Two Chemotypes of *Thymus serpyllum* L. of Central Kazakhstan and their Polyphenolic Profiles // *Open Access Macedonian Journal of Medical Sciences*, 2021, Vol. 9(1), P. 61-67.

11 Adyova A., Auyezova A.M., Attar R., Ishmuratova M.Yu., Farooqi A.A. Regulation of TGF β /SMAD signaling by long non-coding RNAs in different cancers: Dark Knight in the Castle of molecular oncology // *Non-coding RNA Research*, 2021, Vol. 6, P. 23-28.

12 Tleubayeva M.I., Datkhayev U.M., Alimzhanova M., Ishmuratova M.Yu., Korotetskaya N.V., Abdullabekova R.M., Flisyuk E.V., Gemejiyeva N.G. Component composition and antimicrobial activity of CO₂ extract of *Portulaca oleracea*, growing in the territory of Kazakhstan // *The scientific world journal*, Vol. 2021, Article ID 5434525, 10 p.

13 Farooqi A.A., Auyezova A.M., Seher Yilmaz, Karasholakova L., Ishmuratova M.Yu. Mechanistic role of DANCR in the choreography of signaling pathways in different cancers: Spotlight on regulation of Wnt/ β -catenin and JAK/STAT pathways by oncogenic long non-coding RNA // *Non-coding RNA Research*, 2021, Vol. 6, Issue 1, P. 29-34.

14 Ishmuratova M.Yu., Tleukenova S.U., Atikeyeva S.N., Auelbekova A.K., Zhuzbayeva G.O., Zhumagaliyeva Zh.Zh. Cryopreservation of *Calendula officinalis* seeds // *EurAsian Journal of Bio Sciences*, 2020, Vol. 14, Iss. 1, P. 501-505.

15 Adyova A., Auyezova A.M., Attar R., Ishmuratova M.Yu., Farooqi A.A. Regulation of TGF β /SMAD signaling by long non-coding RNAs in different cancers: Dark Knight in the Castle of molecular oncology // *Non-coding RNA Research*, 2021, Vol. 6, P. 23-28. (Q1)

16 Tleubayeva M.I., Datkhayev U.M., Alimzhanova M., Ishmuratova M.Yu., Korotetskaya N.V., Abdullabekova R.M., Flisyuk E.V., Gemejiyeva N.G. Component composition and antimicrobial activity of CO₂ extract of *Portulaca oleracea*, growing in the territory of Kazakhstan // *The scientific world journal*, Vol. 2021, Article ID 5434525, 10 pages

(Scopus, Q4, 54%)

17 Farooqi A.A., Auyezova A.M., Seher Yilmaz, Karasholakova L., Ishmuratova M.Yu. Mechanistic role of DANCR in the choreography of signaling pathways in different cancers: Spotlight on regulation of Wnt/ β -catenin and JAK/STAT pathways by oncogenic long non-coding RNA // *Non-coding RNA Research*, 2021, Vol. 6, Issue 1, P. 29-34. (Scopus, Q1, 84%)

18 Zhanzhaxina A., Suleimen Ye., Metwaly A.M., Eissa I.H., Elkaeed E.B., Suleimen R., Ishmuratova M.Yu., Akatan K., Luyten W. In vitro and in silico cytotoxic and antibacterial activities of a diterpene from *Cousinia alata* Schrenk // *Journal of Chemistry*, 2021, Vol. 2021, Article ID 5542455, 11 pages. (Scopus, Q2, 54%)

19 Suleiman E.M., Ibatayev Zh.A., Suleimen R.N., Birimzhanova D.A., Mamynbekova G.K., Ishmuratova M.Yu. Constituent composition of essential oil from *Artemisia semiarida* // *Chemistry of natural compounds*, 2022, Vol. 58, № 5, P. 951-952. Scopus 33%, Web of Science Q4

20 Sabiyeva A., Ishmuratova M.Yu., Atazhanova G.A., Smagulov M.K., Zhuravel I.A. Histochemical analysis of aerial part of *Dracocephalum ruyschiana* L. and *Dracocephalum nutans* L. growing in the territory of Central Kazakhstan // *Research Journal of Pharmacy and technology*, 2022, Vol. 15 (9), P. 3831-3835. Scopus 58%

21 Durr-E-Shahwar Malik, Rukset Attar, Ulku Ozbey, Mirna Azalea Romero,

Ishmuratova M.Yu., Purenovic J. Multifunctional role of Nobiletin in cancer chemoprevention // Cellular and Molecular Biology, 2022, Vol. 68 (7), P. 200-207. Scopus 25%

22 Atazhanova G.A., Badekova K.Zh., Ivasenko S.A., Kacergius T., Levaya Ya.K., Kurmantaeva G.K., Ishmuratova M.Yu., Smagulov M.K. Influence of essential oils on the formation of Steptococcus mutans biofilms // Research Journal of Pharmacy and technology, 2022, Vol. 15 (11), P. 4959-4966. Scopus 58%

23 Tyrzhanova S.S., Ishmuratova M.Yu., Atikeeva S.N., Kydyrmoldina A.S., Malik M.M. Biological study Scabiosa ochroleuca seeds germination and development of methods for a long-term storage // OnLine Jpurnal of Biological Science, 2022, Vol. 22(4), P. 512-519. Scopus 45%

The number of publishes scientific and teaching-methodological works – 420, among them:

- in journals of base Scopus – 63.
- in journal on base Clarivate Analytics Web of Science – 40.
- in journal, recommended Committee for control in sphere of education and science – 82.
- in journals of base of elibrary (Russian Index of National Citing) – 145.
- monograph – 7.
- training manual and teaching materials – 12.

H-Index on base Scopus – 12.

H-Index on base Clarivate Analytics – 10.

H-Index on RINC – 8.

H-Index on base Google Scholar – 5.

Participation in the implementation of scientific projects

1 Grant of Science Committee of Ministry of Education and Science of Republic of Kazakhstan «Introduction of medicinal plants of Mangystau flora», 2012-2014. Position – executor.

2 Program of fundamental research of Science Committee of Ministry of Education and Science of Republic of Kazakhstan «Botanical diversity of wild relatives of cultural plants of Kazakhstan as a source for enrichment and preservation of gene fund of agrobiodiversity for realization of food program», 2013-2015. Position – executor.

3 Grant of Science Committee of Ministry of Education and Science of Republic of Kazakhstan «Study of modern conditions of populations of endemic species of the Northern and Central Kazakhstan and development methods for storage of plant materials», 2015-2017. Position – executor.

4 Grant of Science Committee of Ministry of Education and Science of Republic of Kazakhstan «Assessment of accumulation of heavy metals in soil, water, plants and animals of the Central Kazakhstan and study of toxicity of plant food pollutants on short-term and long-term influences on experimental animals», 2015. Position – executor.

5 Grant of Science Committee of Ministry of Education and Science of Republic of Kazakhstan «Assessment of genetic fund of natural populations of rare endemic for Kazakhstan species *Crataegus ambigua* C.A. Mey. Ex A. Beck., storage its genetic diversity in the conditions of Mangystau», 2015-2017. Position – executor.

6 Internal grant of E.A. Buketov Karaganda University № 218-Б-19 «Cryopreservation of plant and animal biological materials for development of algorithms of life ability and creation of bank of freeze samples», 2019-2020. Position – supervisor.

7 Grant of Science Committee of Ministry of Education and Science of Republic of Kazakhstan «Study of pharmacological and ecological-biological peculiarities of *Ferula foetida* in natural populations of peninsula Mangyshlak and development recommendations on its using for medical properties», 2018-2020. Position – executor.

8 Program of aimed financing of Science Committee of Ministry of Education and Science of Republic of Kazakhstan «Development of scientific-practical and computer-informative bases for creation landscape-collecting and green building in desert zone of Mangystau for storage and rational use of plant biodiversity», 2018-2020. Position – executor.

9 Grant of Science Committee of Ministry of Education and Science of Republic of Kazakhstan «Creation of dictionary of biological terms with lingua-cultural component», 2018-2020. Position – executor.

10 Grant of Science Committee of Ministry of Education and Science of Republic of Kazakhstan «Cryopreservation of seed materials of wild cultural medicinal plants and organization of bank for long-term and long-term storage», 2021-2023. Position – supervisor.

11 Grant Science Committee of Ministry of Science and Higher Education of Republic of Kazakhstan AP19677164 "Development of new cosmeceuticals of antioxidant action on the basis of domestic plant raw materials", 2023-2025. The position is supervisor.

12 PCF project BR18574125 "Study of the current state of species diversity of vascular plants of Kazakhstan using modern methods of botany, molecular genetics and bioinformatics", 2023-2024. Position - supervisor.

Membership in professional scientific organizations

- member of Association on preservation of biodiversity of Kazakhstan;
- editor-chief of journal «Bulletin of the Karaganda University, series biology, medicine, geography»;
- member of editorial board of journal «Actual problems of modernity, series chemistry, pharmacy».

Awards and titles

Nominee of state scholarship for talented young researchers (2004, 2006, 2008).

Title holder «The best high school teacher» (Ministry education and science of Republic of Kazakhstan, 2019).

Courses

1. Botany
2. Plant Physiology
3. Rare and Disappearing Plants
4. Molecular Genetics
5. Environmental Biotechnology
6. Pharmacognosy
7. Plant systematic
8. Academic writing

Professional and scientific interests

- botany, flora and vegetative resources
- introduction of medicinal plants, seed breeding
- plant anatomy and morphology, histo-chemical analysis
- cryobiology
- plant biotechnology

SCIENTIFIC DATABASES IDENTIFIERS

Researcher ID: X-2047-2013

ORCID ID: [0000-0002-1735-8290](https://orcid.org/0000-0002-1735-8290)

Идентификатор РИНЦ: 5650-6963

Author ID Scopus: 6508189230