

PERSONAL INFORMATION

Gavrilkova Elena Anatolyevna

Republic of Kazakhstan, city of Karaganda, str. Universitetskaya, 28, KarU academician E.A. Buketova



✉ elena_2809@mail.ru



| Date of Birth: 11/08/1981

PLACE OF WORK, POSITION

KarU named after academician E.A. Buketova, senior lecturer at the Department of Botany

SCIENTIFIC DEGREE, SCIENTIFIC TITLE (ACADEMIC DEGREE)

Master of Science

WORK EXPERIENCE

Place and date

- 2002 – 2004 – laboratory doctor at the clinical-biochemical laboratory of the district medical center of the Bukhar-Zhyrau district of the Karaganda region
- 2004-2009 – specialist of the herbarium fund of the Faculty of Biology and Geography of KarSU named after. E.A. Buketova
- 2009 -2010 – Lecturer at the Department of Botany, Faculty of Biology and Geography, KarSU named after. E.A. Buketova
- from 2010 to the present, senior lecturer at the Department of Botany, Faculty of Biology and Geography, KarU named after. Academician E.A. Buketova

EDUCATION AND PROFESSIONAL TRAINING

Education

- 1998-2002 – Karaganda State University named after Academician E.A. Buketova, Faculty of Biology and Geography, Department of Zoology, specialty - Biology, qualification - biologist, biology teacher
- 2014-2016 - Karaganda State University named after Academician E.A. Buketov, Faculty of Biology and Geography, Department of Zoology, specialty - Biology, qualification - Master of Natural Sciences (with honors)

Professional trainings, Scientific trips

- 03.08.-13.08.2015 - scientific internship at the All-Russian Research Institute of Plant Growing named after N.I. Vavilova (St. Petersburg).
- 02/22/2016 to 03/04/2016 online internship in the course "The history of development of higher education in Europe. The Bologna Process"
- International training program for engineering teachers iPET-1, 2021;
- course "Methods of digitization of data on flora and fauna and placement on international platforms of biological diversity", 36 hours, KarU named after. E.A. Buketova

SKILLS DEVELOPMENT INFORMATION

- Certificate of completion of the FPC course on the topic "Catalysis in petrochemistry. Chemistry of fine organic synthesis" (KarSU named after E.A. Buketov, completion date and certificate issuance - 06/26/10);

- Certificate of completion of the FPC course on the topic “Development and use of multimedia and interactive teaching aids” (KarSU named after E.A. Buketov, date of completion and issuance of the certificate - 02/11/12);
- Certificate of completion of the “School of Lecture Skills” (KarSU named after E.A. Buketov, date of completion and issuance of the certificate - 05/23/2014);
- Certificate of completion of the Thomson Reuters seminar for scientific research “How to publish articles in journals with impact factors” (KarSU named after E.A. Buketov, completion date and certificate issuance - 05/22/2014);
- Certificate of completion of the “Program for advanced training of teachers of pedagogical specialties at universities of the Republic of Kazakhstan (Orleu, Almaty, completion date and issuance of the certificate - 05/23/2015).
- Certificate of completion of the Training seminar “TrainingMolecular genetic basis of carcinogenesis” (pr.M.Danilenko Ben-Gurion University of the Negev, date of completion and issuance of the certificate - 09/30/2015);
- Certificate of completion of the Training seminar “Carcinogenesis, cancer treatment and prevention” (pr.M.Danilenko Ben-Gurion University of the Negev, date of completion and issuance of the certificate - 09/17/2016);
- Certificate of completion of the FPC course on the topic “Preparing a university teacher for teaching using distance learning technologies” (KarSU named after E.A. Buketov, date of completion and issuance of the certificate – 09/14/2019);
- participation in the international remote scientific and practical seminar “Academic mobility: modern features and management issues in new conditions” (09/23/2020, Cheboksary).
- Course “On industrial safety at hazardous production facilities” with the issuance of certificate No. 145 dated October 1, 2020.
- Certificate of completion of the advanced training course for teaching staff of the Republic of Kazakhstan in the educational program “Botany” (China Academy “Bolashag”, Karaganda, (date of completion and issuance of the certificate - 03/09/2021);
- Certificate of completion of an advanced training course for teaching staff of the Republic of Kazakhstan in the educational program “Ecology and the fundamentals of rational environmental management” (China Academy “Bolashag”, Karaganda, (completion date and issuance of the certificate – 03/09/2021);
- Certificate of completion of the advanced course “Preparation of university teachers for teaching using distance learning technologies” from 07.11. until 11/21/22 for 72 hours.
- Advanced training course “Methods of microscopic examination of plant and animal objects”, KarU im. Academician E.A. Buketov

PERSONNEL QUALITIES

Native language Russian

LANGUAGE	UNDERSTANDING		SPEAKING		WRITING
	Hearing	Reading	Oral speech	Written speech	
Kazakh	A1	A1	A1	A1	A1
LANGUAGE CERTIFICATE: NO					
German	A1	A1	A1	A1	A1
LANGUAGE CERTIFICATE: NO					

Digital skills User : Microsoft Office (Word, Excel, Power Point). Knowledge of operating systems : Windows.

Other skills (hobbies) Reading, volleyball

Main publications

1. Dodonova A.Sh., Gavrilkova E.A., Ishmuratova M.Yu., Tleukenova S.U. Methods for storing seed material of *Saponaria officinalis* // Materials of the international scientific and practical conference “Modern botany: biodiversity, bioresources, biotechnology”. - Karaganda, 2014. pp. 289-295
2. Dodonova A.Sh., Gavrilkova E.A. Biology of germination of *Rhaponticum carthamoides* seed material after cryopreservation. Bulletin of Karaganda University. – Series biology, medicine, geography. – 2015. - No. 3 (79). – pp. 21-26.
3. Gavrilkova E.A., Dodonova A.Sh., Verzhuk V.G., Pavlov A.V., Ishmuratova M.Yu., Tleukenova S.U. Low-temperature storage of *Peganum harmala* seed material. Bulletin of Karaganda University. – Series biology, medicine, geography. – 2015. -№4 (80). – P. 17-23.
4. Dodonova A.Sh., Gavrilkova E.A. Methods for storing *Rhaponticum carthamoides* seed material. Inter-medical. – 2015. - No. 5 (11). – pp. 67-71.
5. Ishmuratova M.Yu., Tleukenova S.U., Dodonova A.Sh., Gavrilkova E.A. Analysis of endemic plant species of the flora of the Karaganda region. Current problems of our time. – 2015. -№2 (8). – pp. 221-225.
6. Ishmuratova M.Yu., Tleukenova S.U., Dodonova A.Sh., Gavrilkova E.A. “Recommendations for growing medicinal plants in the conditions of Central Kazakhstan.” Karaganda: Bolashak – Baspa, 2014. -64 p.
7. Endemic plant species of the flora of the Karaganda region (Central Kazakhstan). Karaganda: Polygraphist, 2016. – 109 p.
8. Analysis of the effects of cryopreservation conditions on germination ability of *Tanacetum vulgare* seeds. Research Journal of Pharmaceutical, Biological and Chemical Sciences. – 2016. - No. 7(6). – R. 698-703
9. Cryopreservation of seed material of endemic plants of Kazakhstan: monograph / A.Sh. Dodonova, E. Gavrilkova, M. Yu. Ishmuratova. - Germany: LAP LAMBERT Acad. Publ., 2017.
10. Ishmuratova, M.Yu., Tleukenova, S.U., Gavrilkova, E.A., Dodonova A.Sh. Key to vascular plants of Central Kazakhstan. – Karaganda: Polygraphist, 2017.
11. Ramazanov A.K., Tleukenova S.U., Gavrilkova E.A. Viability of seeds of chamomile varieties after cryopreservation.” - Bulletin of Karaganda University. Series "Biology. Medicine. Georgia". - No. 1 (97) – 2020. – P. 61-67.
12. Tleukenova S.U., Baygaraev D., Atikeeva S.N., Gavrilkova E.A. Development of methods of cryopreservation of *Verbascum officinalis*’ seeds. - Bulletin of Karaganda University. Series “Biology. Medicine. Georgia”. - No. 3 (99) – 2020. – P. 149-154.
13. Ishmuratova M.Yu., Tleukenova S.U., Ramazanov A.K., Gavrilkova E.A., Ageev D. “Study of the Cryopreservation Conditions for seed Materials of *Chartolepis intermedia* Boiss.” BIO Web of Conferences 38, 00046 (2021) Northern Asia Plant Diversity 2021.
14. Gavrilkova E.A., Ishmuratova M.Yu., Tleukenova S.U., Musina R.T. “The influence of physical factors on the viability of seed material of *Echinacea purpurea* variety “Livadia”.” Bulletin of Karaganda University. Series biology, medicine, geography. No. 2 (106) – 2022.
15. Tleukenova S.U., Madieva A.N., Gavrilkova E.A. "Study of the water-holding capacity of *Catalpa speciosa* in the cities of Karaganda and Zhezkazgan." Bulletin of Karaganda University, Series biology, medicine. - No. 4 – 2022.

The number of published scientific and educational works is 60, of which:

- in journals based on Scopus – 2.
- in journals based on Clarivate Analytics Web of Science – 0.
- in publications recommended by KOKSON – 20.
- in publications placed in the RSCI database – 5.-монографий – 4.
- учебных и учебно-методических пособий – 2.

H-index according to Scopus – 1.

1 Grant of the Scientific Committee of the Ministry of Education and Science of the Republic of Kazakhstan “Study of the biological characteristics of seed material of medicinal plants and development of recommendations for their collection, storage, increasing germination and optimizing the timing and conditions of sowing in the dry steppe zone of Central Kazakhstan” (2012-2014), – junior researcher

Participation in the

2 Grant of the Committee for Education and Science of the Republic of Kazakhstan

implementation of scientific projects

“Study of the current state of populations of endemic plants in Northern and Central Kazakhstan and development of methods for preserving genetic material”, 2015-2017. Position – executive (junior researcher)

3. Creation of new moisture sorbents based on copolymers of unsaturated polyester resins to improve the germination and productivity of some agricultural crops" under the scientific and technical program "international scientific and technical programs and projects for 2013 - 2015" in the priority area: cooperation with the Republic of Belarus "New materials", "New technologies in the agro-industrial complex" - junior researcher

4 Grant of the Scientific Committee of the Ministry of Education and Science of the Republic of Kazakhstan “Cryopreservation of seed material of wild and cultivated medicinal plants and organization of a bank for short-term and long-term storage”, 2021-2023. Co-executor – researcher.

5 Project within the framework of the program BR18574125 “Study of the current state of species diversity of vascular plants in Kazakhstan using modern methods of botany, molecular genetics and bioinformatics”, 2023-2024. The executor is a research fellow.

Membership in professional scientific organizations

Awards and titles

Courses

1. Botany
2. Geobotany
3. Plant physiology
4. Environmental monitoring

Professional and scientific interests

cryogenic storage of seed material of economically useful species of Central Kazakhstan

SCIENTIFIC DATABASES IDENTIFIERS

Researcher ID:

ORCID ID: 0000-0001-7077-9636

Идентификатор РИНЦ:

Author ID Scopus: