Ministry of Agriculture of the Republic of Kazakhstan NCJSC "S.Seifullin Kazakh Agrotechnical University" 010000, Nur-Sultan, Zhenis avenue, 62 +7 (7172), 310-245, 395-548



## **INFORMATION LETTER**

NCJSC "S.Seifullin Kazakh Agrotechnical University" (hereinafter - KATU) invites you to take part in the International Scientific and Practical Conference "SEIFULLIN READINGS - 18: Youth and Science - a look into the future", which will be held on April 12, 2022 ( the conference provides full-time/distance participation in online and offline format).

By tradition, the conference serves as a recognized dialogue platform for reviewing the work of students, undergraduates, doctoral students and young scientists.

Participation in the conference is an excellent opportunity to highlight your scientific work, promotes a constructive exchange of views on priority areas of scientific research, the development of innovations, intellectual skills, and the popularization of science among young people.

Students, undergraduates, doctoral students and young scientists are invited to participate in the conference.

### Materials will be accepted until April 8, 2022.

# The form of the conference is full-time/part-time in online and offline format.

The purpose of the conference is the publication of scientific results of students and young scientists on topical issues of modern science, the exchange of ideas and research experience. Development of creative activity of students, undergraduates, doctoral students and young scientists, involving them in solving urgent problems.

## Conference working languages: Kazakh, Russian, English.

The materials of the reports will be posted in an electronic collection on the website of KATU in the section "Science" tab "Collections of scientific conferences" at (kazatu.edu.kz/pages/nauka/novosti-nauki\_20220121052309/sborniki-naucnyh-konferencij) with international ISBN code.

The main directions of the conference (responsible for the work of the sections are presented in Appendix 1):

- 1. Topical issues of improving farming systems, plant protection and agro-ecological potential of soils;
- 2. Gene pool and selection of agricultural crops;
- 3. Digital transformation of the agro-industrial complex: technical equipment in the context of robotization, digitalization and smart agriculture;
- 4. Modern digital solutions and quality management in the food and processing industry: current aspects of health and healthy nutrition, including children and schoolchildren;
- 5. Current aspects of science and practice in veterinary medicine;
- 6. Promising directions for the development of scientific research in the field of agricultural biotechnology and animal husbandry;
- 7. Scientific research of young scientists in the field of social sciences and humanities;
- 8. Information technologies for the digital transformation of science, education and industry;
- 9. Modern problems of education and natural and mathematical sciences;
- 10. Modern technologies and innovations in the field of geodesy, cadaster, rational land and nature management, architecture and design;
- 11. Management of the business environment and the financial system in conditions of unstable economic relations;
- 12. Modern energy and automation, problems and development prospects;
- 13. The role of telecommunication systems in the modern world;
- 14. Climate change and its impact on natural systems and the environment.

Abstracts and applications for participation according to *Appendices 2, 3* must be submitted to the e-mail addresses of the section secretaries (*e-mail and contact information are indicated in Appendix 1*). Participants must specify the format of participation in the conference in their applications.

The Department of Science is the coordinator of the conference. Following the results of the conference, the organizing committees provide final abstracts for publication in the collection. Phone inquiries: +7 (7172) 395-548, 310-245.

#### Requirements for admission and registration of abstracts:

• UDC;

• abstracts that have not been published anywhere before are accepted for publication, no more than one abstract from one author; it is forbidden to indicate supervisors as co-authors;

• a list of used literature is required, including at least one source included in the Web of Science information base (Thomson Reuters publishing house);

• the volume of the thesis, including the list of references, should not exceed 4 (full) pages of A4 format (portrait orientation), typed in the MS WORD (2003,2007) editor in Times New Roman, KZ Times New Roman (12pt), spacing - single, margins: top - 2 cm, bottom - 2 cm, left - 3 cm, right - 1.5 cm, aligned to the line width and mandatory setting of automatic hyphenation;

• on the first line in the center - the title of the thesis of the report in capital letters in bold, 1 interval later, on the right edge - the initials and surname of the author, position and academic degree (in italics), 1 interval later - the city and name of the organization or educational institution (in italics), the main text starts in 2 intervals with a red line;

• the list of references is placed at the end of the text and compiled in the order of mentioning the sources, references in the text are in square brackets.

The organizing committee reserves the right to reject abstracts that do not comply with the specified requirements and do not correspond to the topics of the conference.

To cover organizational and publishing costs, the registration fee is:

1) for young scientists, doctoral students, undergraduates of S. Seifullin KATU and subsidiaries of KATU - 1,000 tenge (one thousand tenge);

2) for young scientists, doctoral students, undergraduates, students from other organizations - 2,000 tenge (two thousand tenge).

The contribution is made by transfer to the settlement account of S.Seifullin KATU with the note «*Ha* конференцию «Сейфуллинские чтения-18» (meaning - "To the conference "Seifullin Readings-18") according to the following details:

NCJSC "S.Seifullin Kazakh Agrotechnical University", Nur-Sultan, Zhenis Ave., 62 BIN: 070 740 004 377 kbe: 16 Bank: JSC Halyk Bank of Kazakhstan IIC: KZ446010111000037373 BIC: HSBKKZKX KNP: 890

#### Or through Caspi Bank

1. Name of the university: Kazakh Agrotechnical University named after Saken Seifullin;

2. IIN of the student (teaching) - IIN of the participant;

3. IIN of the payer - indicate the full name of the participant;

4. Faculty - indicate the name of the section;

5 course;

6. BIN 070740004377

7. Account KZ446010111000037373



# Directions of the conference and responsible for the work of the sections:

Section name:	Section Chairman	Contacts of the Chairman	Section Secretary	Contacts of the Section Secretary	Conference Venue
Section 1: Topical issues of improving farming systems, plant protection and agro-ecological potential of soils	Sarmanova Roza Sapargalievna	7 777 536 04 04, e-mail.: roz79@mail.ru	Tleulina Zarina Tasbulatovna	8 705 781 45 01, e-mail.: zarina_2707@ mail.ru	Akmola region, Shortandinsky district, Shortandy-1 village, Baraeva st., 15, "A.I. Baraev Research and Production Center for Grain Farming" LLP
Section 2: Gene pool and selection of agricultural crops	Dolinny Yuri Yurievich	7 747 430 75 32 e-mail.: ura_dolin@mail.ru	Akhylbekova Balzhan Akhmetbekkyzy	8702 681 09 45 e-mail.: ahilbekova@m ail.ru	Akmola region, Shortandinsky district, Shortandy-1 village, Baraeva st., 15, "A.I. Baraev Research and Production Center for Grain Farming" LLP
<b>Section 3:</b> Digital transformation of the agro-industrial complex: technical equipment in the context of robotization, digitalization and smart agriculture	Mustafin Zhasulan Zharylkaganovic h	87015849850, e-mail: mustafin_j80@mai l.ru	Saden Dinara Askarkyzy	7 701 385 93 05, e-mail: n_dinara94@ mail.ru,	Nur-Sultan, Zhenis Ave., 62, NCJSC "S.Seifullin Kazakh Agrotechnical University"
Section 4: Modern digital solutions and quality management in the food and processing industry: current aspects of health and healthy nutrition, including children and schoolchildren	Makangali Kadyrzhan Konysbayuly	7 707 982 24 48, e-mail: kmakangali@mail. ru,	Nurlankyzy Zhibek	7 705 294 71 88, e-mail: nurlankyzy.zhi bek@mail.ru,	Nur-Sultan, Zhenis Ave., 62, NCJSC "S.Seifullin Kazakh Agrotechnical University"
Section 5: Current aspects of science and practice in veterinary medicine	Abrakhmanov Talgat Zhunusovich	8-701-356-50-73 E-mail: t.abdrakhmanov@ kazatu.kz	Murzakaeva Gulmira Kalikhanovna	8-708-221-07- 14 E-mail: m.gumika@list .ru	Nur-Sultan, Internacionalnyi village, Armandastar street, 2 B
Section 6: Promising directions for the development of scientific research in the field of agricultural biotechnology and animal husbandry	Borovikov Sergey Nikolaevich	8-701-436-76-69 E-mail: nicsb_katu@mail.r u	Omarova Karlygash	8-702-428-85- 83 E-mail: k.omarova@k azatu.kz	Nur-Sultan, Internacionalnyi village, Armandastar street, 2 B
Section 7: Scientific research of young scientists in the field of social sciences and humanities	Bismildina Dinara Dosymzhanovn a	7 705 420 66 52 E-mail: bismildina@mail.r u	Utegulov Orolbek	7 707 320 19 92, e-mail: Johnfkennedy @mail.ru	Nur-Sultan, Zhenis Ave., 62, NCJSC "S.Seifullin Kazakh Agrotechnical University"
Section 8: Information technologies for the digital transformation of science, education and industry.	Akanova Akerke Saparovna	8 705 448 0680, <u>Email:akerkegans</u> aj@mail.ru,	Kaldarova Mira Zhorabekkyzy	87014256895 E-mail: kmiraj82@mail .ru	Nur-Sultan, Zhenis Ave., 62, NCJSC "S.Seifullin Kazakh Agrotechnical University"
Section 9: Modern	Isakova Gulnur	8 775 451 8822	Yesenbayeva	8 778 186 99	Nur-Sultan,

problems of education and natural and mathematical sciences Section 10: Modern technologies and innovations in the field of geodesy, cadastre, rational land and nature	Oralbaevna Karbozov Tulegen Ermaganbetovic h	E-mail: is_gul_oral@mail.r u 8-701-397-20-34 E-mail: tolegen_1964@m ail.ru	Gulbanu Rakymzhanovna Estaeva Aigerim Rakhmanovna	21 E-mail: Banuka_96.21 @mail.ru 7 705 334 48 66 E-mail: yestayeva_a_ kazatu@	Zhenis Ave., 62, NCJSC "S.Seifullin Kazakh Agrotechnical University" Nur-Sultan, st. Beibitshilik, 73, NCJSC "S.Seifullin Kazakh
management, architecture and design				mail.ru	Agrotechnical University"
Section 11: Managing the business environment and the financial system in conditions of unstable economic relations	Omarkhanova Zhibek Maksutovna	702 960 2121	Kurmanova Dana Sultankhanovna	7 701 168 79 84 E- mail:dana14.8 6@mail.ru	Nur-Sultan, Zhenis Ave., 62, NCJSC "S.Seifullin Kazakh Agrotechnical University"
Section 12: Modern energy and automation, problems and development prospects	Baubekov Kuat Talgatovich	87 747 618 15 63 E-mail: baubekov52@mail .ru	Anuarbekov Maksat Arganatovich	E-mail: ma- 0795@mail.ru, Сот. 7 776 123 87 76	Nur-Sultan, Zhenis Ave., 62, NCJSC "S.Seifullin Kazakh Agrotechnical University"
Section 13: The role of telecommunication systems in the modern world	Tolegenova Arai Sarsenkalievna	87471203305, arai82@bk.ru	Nazhken Aidana Yesimkyzy	87025581951, aidana.nazhke n@bk.ru	Nur-Sultan, Zhenis Ave., 62, NCJSC "S.Seifullin Kazakh Agrotechnical University"
Section 14: Climate change and its impact on natural systems and the environment	Boranbay Zhumaғul Tanatkanuly	87714706565, zhumagul.81@mai I.ru	Olzhaeva Aigerim Bekkazievna	87074595998, olzhayeva98@ bk.ru	Nur-Sultan, Zhenis Ave., 62 a, NCJSC "S.Seifullin Kazakh Agrotechnical University"
Total sections 14					

# APPLICATION for participation in the International Scientific and Theoretical Conference "SEIFULLIN READINGS - 18"

1	Surname	
	Name	
	Middle name	
2	Academic degree, title	
3	Organization	
	Position	
4	Contact details:	
	Phone	+7 7
	e-mail	
5	Section name	
6	Full name of the report	
7	Receipt of payment	
	(attach)	
8	Participation format (online	
	or offline/face-to-face/	
	distance)	
	Date of completion	

# APPROXIMATE METHODS FOR SOLVING ORDINARY DIFFERENTIAL EQUATIONS

Nº UDC

Akhmetov M., 1st year student NCJSC "S.Seifullin Kazakh Agrotechnical University", Nur-Sultan

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List of used literature

(The list of literature is drawn up in accordance with GOST 7.1-2003 "Bibliographic record. Bibliographic description. General requirements and compilation rules")

# For instance

1 Petushkova G.I. Costume design [Text]: textbook. for universities / G.I. Petushkov. - M.: Academy, 2004. - 416 p.

2 Borisova N.V. Mythopoetics of unity in the philosophical prose of M. Prishvin [Text]: textbook. - method, manual / N.V. Borisov. - Yelets: Publishing house of the Yelets state. un-ta, 2004. - 227 p.

3 Krasnova T.V. Old Russian toponymy of the Yelets land [Text]: monograph. - Yelets: Publishing house of the Yelets state. un-ta, 2004. - 157)