

“I approve”
20 January, 2022
Head of Miras International School, Almaty
Chairperson of the KJWP Organizing Committee
_____ I. Vlassyants



KAZAKHSTANI JUNIOR WATER PRIZE

The organizers of the KAZAKHSTANI JUNIOR WATER PRIZE (hereafter the Competition) are Miras International School in Almaty and the Nursultan Nazarbaev Educational Foundation, in Cooperation with the Stockholm International Water Institute (SIWI). The Competition is the national stage of the Stockholm Junior Water Prize (SJWP) organized by the SIWI each year.

1. The Objective of the Competition is to develop and encourage the scientific, technical and project-based activities of secondary school students in the field of sustainable water use aimed at solving the problems of water conditioning/purification and preservation of the biodiversity of the water resources.

2. Participants. The Competition is designed for senior students of public schools, gymnasiums and lyceums aged 15 to 18 (university students are not eligible for the Competition). A project can also be carried out by a team of students but it must be presented by a maximum of two team members.

3. The Topics of the Competition Projects

The projects can cover a wide range of issues: water resources, conservation and recovery/water management, a sustainable development of the region, the restoration or improvement of human habitat and ecosystems. The projects can relate to either the natural or social sciences as well as be creative, in other words, be related to literature or journalism. In terms of geography, the projects can be associated with Kazakhstan, other countries or larger regions. The projects should be positive, that is, contribute to solving one of the issues on efficient water use or improving its quality. The scientific projects should be based on the standard scientific methods of experimental and/or theoretical research. The creative projects should be original.

Whatever the topic or the knowledge area of a project, it should aim at how we can *improve quality of life through improvement of water quality, water resources management, water protection or water and wastewater treatment.*

4. The Project Evaluation Criteria

4.1 Relevance.

Relevance of the project both in terms of scientific relevance and overall environmental and societal relevance:

- Does the project target an important challenge within the water environment?

- Is the project scientifically relevant (can the scientific level be related to basic, applied research and are the results directly applicable for implementation?)
- Can the project contribute to the improvement of the quality of environment or life for people?
- Is the project proposing innovative solutions to unsolved problems?
- Does the project increase the awareness on water issues?
- Does the project integrate environmental and societal issues?

4.2 Creative ability.

Shows the creativity of the project in relation to:

- How to pose a problem
- How to solve a problem
- Analyzing data
- Experiments or investigations
- How to mediate and make the affected parties aware of the problem.

4.3 Methodology.

- Is there a clearly defined idea on which a result can be achieved?
- Is the problem well defined?
- In what way has it been limited?
- Has the work been planned accordingly?
- Is there adequate information upon which to draw conclusions?
- Have the possible misinterpretations of the data been taken into consideration?
- Are there any new questions or suggestions for continued research?

Note. In case the participants receive any technical support from higher educational institutions such as universities, it is important to indicate the extent of external help during the projects under “acknowledgments” in the project report.

4.4 Subject knowledge

Is the student familiar with literature and ongoing research in the field?

- Upon what sources has the work been based?
- Is the list of references satisfactory? (Have the references really been studied?)
- To what extent have sources of popular science been consulted?
- Is the author familiar with the topic dealt with in his/her work?
- Is the author knowledgeable of ongoing research in the field? Terminology?
- Is the author familiar with alternative solutions?

4.5 Practical skills.

- Has the student made the exhibit him/ or herself?
- Has he/she carried out the measurements, etc.?
- What help has been provided by parents, teachers, professionals etc.?
- Has advantage been taken of material available in school?
- From where has the equipment been obtained for the exhibit? Was it self-made?
- How well has available technique been used?

4.6 Report and presentation.

- Can the student present the work in a proper and informative way, both written, verbally and through the exhibit?
- Is the content of the work well structured?
- Is the level of the text, illustrations, diagrams and the language in the written report sufficient?
- Is the display appealing with regards to any special qualities and personal touch?
- Is there a relationship between the display and text material?

4.7 When deciding on the selection of a candidate for the SJWP, the Jury will consider, along with criteria above, the authors' command of the English language.

5. The Design and Submission of Projects to the Contest

A project should be submitted by the author(s) to the Competition Organizing Committee via e-mail (see the Contact Information). Only those projects that have been designed in accordance with the following requirements are accepted:

5.1. The total scope of the project should not exceed 15 pages, including the title page, annotation, illustrations, graphs, pictures, photographs, the list of bibliography and addenda.

5.2. The text should be on one side of the paper, typed with one and a half line spacing in the normal Times New Roman font of 12p. Page margins: the top and bottom margins are 2 cm, the right and left margins are 2.5 cm.

5.3. Addenda (are included in the total scope of the project, not exceeding 15 pages) should not take more than 5 pages and be placed at the end of the paper after the list of bibliography.

5.4. The title page of a project shall include:

- the name of the Competition (Kazakhstani Junior Water Prize);
- the short title of the project, no more than 7 words (if necessary, the title can be accompanied with a full scientific one);
- the names of ALL authors of the project, regardless of which author(s) will present the project to the Competition;
- the full names of their supervisors along with their position;
- the name of the region and the city, as well as the current year.

5.5. The second page of the project shall include an annotation with the main chapters of the project such as purpose, methods, materials, results and conclusions. The annotation should not exceed 300 words.

5.6. The electronic version of the project should be sent to the Competition Organizing Committee no later than April 10, 2022. The following items are attached to the electronic version:

- a short summary of the project. It shall consist of no more than 100 words and contain a popularized version of the project annotation. The summary will be published in the Competition papers;
- the project author's profile completed in accordance with the established form (Appendix, to be filled out by each author separately), including 2 recommendations for saving water.

The summary of the project and author profiles are not included in the total scope of the project text.

The works that do not meet the formal requirements may be declined.

6. The Competition procedure

The Competition will be held online from April 19 till 22, 2022. The Participants should submit their projects as online presentations to the Competition Jury. After summing up the outcomes of the Competition, its winners will be awarded at a special online conference.

7. The Competition Jury

The Competition Jury is put together by the Competition Organizing Committee from the scientists that are experts in the fields associated with the Competition themes and from the representative of Competition Partners.

8. Awards

All contestants, whose projects have passed the pre-selection and were accepted for the Competition, receive certificates. Winners and prizemen receive awards from the Competition partners. The best project that meets the criteria of Point 4 will get the right to represent Kazakhstan at the Stockholm Junior Water Prize 2022.

All the information is on the website www.miras.kz/ru/waterproject

Contacts:

Irina Vlassyants - Chairperson of the Competition Organizing Committee, Head of Miras International School Almaty

Igor Guralnik - Deputy Chairman of the Competition Organizing Committee, candidate of physics and mathematics, Diploma Programme Coordinator at the Miras International School Almaty,
i_guralnik@miras.kz

Assel Abdrahmanova – PR Coordinator, Chief Manager of the Nursultan Nazarbayev Educational Foundation

Gauhar Ilasheva – Coordinator for contacts with participants, STEM Coordinator at Miras International School Almaty
g_ilasheva@miras.kz

All projects submitted for the Competition are sent to g_ilasheva@miras.kz