

**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
ODESA NATIONAL UNIVERSITY OF TECHNOLOGY**

ADOPTED

at the meeting of the Academic
Council of ONUT
on June 20, 2023
Protocol No. 14

ENACTED

by the order of the Rector of ONUT
dated June 22, 2023, No. 209-01
"On enacting the Regulations for
holding the International competition
of student scientific works "Black
Sea Science" organized by Odesa
National University of Food
Technology"

REGULATIONS

**on holding the International competition of student scientific works
"Black Sea Science" organized by
Odesa National University of Technology**

I. General provisions

1.1. The Regulations on holding the International competition of student scientific works "Black Sea Science" by Odesa National University of Technology are developed in accordance with the Law of Ukraine "On higher education", the Regulations on the All-Ukrainian competition of student scientific works in the fields of knowledge and specialties, approved by the order of the Ministry of Education and Science of Ukraine dated April 18, 2017, No. 605 and other normative and legal acts regulating the organization of student research.

1.2. International competition of student scientific works "Black Sea Science" (hereinafter "Competition") is held with the aim of expanding international relations, promoting the scientific work of students as an important factor in the formation of specialists, involving the students in research programs, design and other forms of research activities.

1.3. The competition is supported by the Black Sea Universities Network (hereinafter "BSUN"), the Association of higher education institutions (hereinafter "HEI") of the Black Sea Region and European Integrating Food Science and Engineering Knowledge into the Food Chain Association (ISEKI-Food Association). Odesa National University of Technology (hereinafter "ONUT") is their member.

1.4. ONUT is the organizer of the Competition.

The co-organizers of the Competition are:

- “Angel Kanchev” University of Ruse (Bulgaria);
- University of Food Technologies (Plovdiv, Bulgaria);
- Almaty Technological University (Kazakhstan);
- Ningbo Institute of Technology, Zhejiang University (China);
- Technical University of Moldova (Moldova);
- University of Applied Sciences and Arts (Muttenez, Switzerland);
- Ariel University (Israel);
- Iakob Gogebashvili Telavi State University (Georgia);
- Poznan University of Life Sciences (Poland);
- Estonian University of Life Sciences (Tartu, Estonia);
- Harper Adams University (Great Britain);
- University of Catania (Italy).

1.5. Competition is held annually. The list of co-organizers and fields of the Competition can be updated every year.

1.6. The students of every school and higher educational institution regardless of the form of ownership and subordination can participate in the Competition, if they are enrolled in a junior specialist, junior bachelor, bachelor, or master course when the second stage of the Competition is finished.

1.7. The Competition is held in ONUT in the following fields:

- Food science and technologies;
- Economics and administration;
- Information technologies, automation and robotics;
- Power engineering and energy efficiency;
- Ecology and environmental protection;
- Tourism, hotel and restaurant Business.

1.8. There can be no more than three authors and two advisors per work.

1.9. The members of the Organizing Committee and the members of the Jury cannot be the scientific advisors for the works submitted for the Competition.

1.10. During the Competition, the processing of personal data is performed according to requirements of the Ukrainian law "On protection of personal data" dated June 1, 2010, No. 2297-VI (with changes).

II. The Competition leadership

2.1. Organization and execution of the Competition is provided by the Organizing Committee consisting of the Competition organizers (co-organizers), representatives of other HEI, scientific establishments, enterprises, public associations (according to agreement). The Organizing Committee's functions include:

- networking with organizations that hold the Competition in other countries, providing them with the necessary methodological assistance;
- forming and approving the Jury composition;
- determining the conditions of holding the Competition, developing criteria, and methods for determining the finalists and inners of the Competition;
- developing the forms of certificates for the winners and participants of the Competition;
- determining the place of awarding the Competition winners;

- covering the outcome of the Competition in media.

2.2. The Jury for each field is created in ONUT in order to consider and evaluate the submitted works. Their number and composition is approved by the order of the Rector.

2.3. The Jury consists of scientific and teaching staff members of ONUT, Competition's co-organizers, other HEI, scientific establishments, representatives of enterprises, public associations (upon agreement). The head and the secretary of the Jury are selected from the Jury members.

III. Requirements for scientific works

3.1. The student scientific works must be submitted to the Competition for the first time. They should be prepared independently and without plagiarism. They should be innovative or investigative by nature within a certain field.

3.2. If, during the review of a scientific work, a violation of the norms of academic integrity, particularly plagiarism, is detected, the Jury withdraws this work from the Competition, notifying the participant of this fact. Scientific works are checked by automated licensed software. Works with less than 80% uniqueness are removed from the competition.

3.3. The role of the scientific advisor is of a purely consultative nature.

3.4. The authors must register in English or Ukrainian language at <https://pk.ontu.edu.ua/iscregister/index.php?route=register/>

If the work has 2 or 3 authors, only the first authors needs to register. After the registration, the author is e-mailed a link, where they need to upload a ZIP archive which must contain:

- the work as a Word document;
- information about the authors as a Word document;
- signed and scanned information about the authors.

All files must be inside one archive.

3.5. The works are evaluated according to their own merits. Unrelated documents (copies of other published articles, patents, etc.) are not accepted.

3.6. The works must be submitted in English. Work submission requirements are presented in Addendum 1.

3.7. Information about the authors and the scientific advisors are submitted as a separate document in English or Ukrainian. The requirements are presented in Addendum 2.

3.8. If the work does not meet the requirements of this section, the author is given five days for further editing. If the work does not meet the requirements after editing, it is not accepted and is not allowed to participate in the Competition. The Jury excludes this work from the Competition and notifies the main author within ten days.

3.8. To ensure the objectivity and anonymity, each accepted work receives a code. The names and initials of the authors and advisors, as well as the name of the HEI are given to the Jury after the first stage of the Competition is held.

IV. The procedure of Competition and review of scientific works

4.1. The Competition is held in two stages:

- the first stage is reviewing the works;
- the second stage is the final online conference.

The dates of the beginning and end of each stage are presented on the official web-site of the Competition <http://isc.ontu.edu.ua/>

4.2. The Jury from each field shall appoint at least two reviewers per each work. In disputed cases, additional reviewers may be appointed to evaluate the work.

4.3. Scientific works, the subject of which concerns the state security of Ukraine, are evaluated only by Ukrainian members of the jury.

4.4. During the review of the scientific works, the following factors are taken into account:

- whether the topic of the work corresponds to the chosen field of the Competition;
- the relevance of the problem;
- the degree of novelty and originality of the underlying ideas, the usage of modern research methods;
- completeness and quality of presentation of the main results;
- theoretical significance of the work;
- practical significance of the work;
- how well it obeys the requirements.

A sample review form is presented in Addendum 3.

4.5. After the first stage of the Competition, the average rating score given by the reviewers is calculated for each presented work (regardless of the number of reviewers, but no less than 2). The rating table built by reducing these data is the basis for determining the finalists for the second stage of the Competition. For each field, the finalists occupy 25% of peer-reviewed works according to the rating.

4.6. The results of the first stage of the Competition are formalized in a protocol signed by the head and secretary of the Jury (Appendix 5), to which a list of works is attached (Appendix 6).

4.7. At the meeting of the Jury of each field of the Competition, the results of the first stage are announced and the date of the second stage of the Competition is set.

4.8. The invitations to participate in the second stage of the Competition are sent to the winners no later than two weeks prior to the conference. In the second stage of the Competition, the winners present their work at the online conference, comment on the presentation, and answer the questions.

4.9. Presentation requirements:

- presentation must be in English;
- presentation must have illustrative material (drawings, diagrams, photographs, graphic images, etc.);
- the presentation should take no longer than 15 minutes.

4.10. Participants who cannot attend the conference for technical reasons must send a video recording of their presentation to the Jury in advance.

4.11. The Jury of each field evaluates the presentation and report of the participant (Addendum 4) and decides on the winners and their distribution.

4.12. After the second stage of the Competition, the ranking of the winners is calculated as the sum of points for the first and second stages of the Competition. The ranking table built on this data is the basis for determining the winners of the Competition. Award distribution by degrees is: 20% receive certificates of the I degree, 30% receive certificates of the II degree, 50% receive certificates of the III degree.

4.13. The results of the Competition are presented as a protocol of the Competition (Addendum 7) and a list of works (Addendum 8), signed by the head and secretary of the Jury.

4.14. Documentation for the Competition must be kept for three years in the archive of ONUT.

V. Awarding the winners of the Competition

5.3. The winners of the Competition are awarded with I-III degree certificates in each field. Other participants receive participation certificates. Advisors and Jury members receive certificates of acknowledgement.

5.4. The Competition co-organizers can award the winners and their advisors with the e-book of Competition proceedings if they agree to be published in it and the recommendations for publishing their work in specialized periodicals of ONUT, included in the list of specialized publications of Ukraine approved by the Ministry of Education and Culture, etc.

5.5. The results of the Competition are posted on the official website (<http://isc.ontu.edu.ua/>) after the decisions of the Jury are approved.

VI. The Appeal Committee. Presentation and consideration of appeals

6.1. To ensure the unbiased implementation of the Competition, the Appeal Committee is created in ONUT, the size and composition of which is approved by the order of the Rector. The Appeal Committee consists of the scientific and teaching staff of ONUT, Competition co-organizers, other HEI, scientific establishments, representatives of enterprises, public associations, etc.

6.2. Within five days working days after the announcement of the results, the participants may submit (email: int_competition@ontu.edu.ua) a statement on the bias regarding in the evaluation of their scientific work by the Jury to the Appeal Committee.

6.3. Within five working days from the date of receiving the application, the Appeal Committee makes a decision, which is recorded in the meeting protocol (Addendum 9), and sends it to the applicant's email.

VII. Financing

7.1. The Competition is financed by the sources, permitted by the laws of Ukraine.

Addendum 1
to Regulations on holding the
International competition of
student scientific works “Black
Sea Science” organized by
Odesa National University of
Technology

WORK REQUIREMENTS

The work must be in English. Its length must be up to 15 pages (page size is A4, margins are 20 mm each). Addendums (if any) are included in the total number of pages.

The text must be typed in Times New Roman, font size 14, with the 1.0 line spacing. The text in tables and list of references must be typed in Times New Roman, font size 12, with the 1.0 line spacing. Work title must be typed in bold capital letters. Titles of sections and subsections must be typed in bold with a single interval.

The work must follow the template:

TITLE

Author(-s): First name Last name

Advisor(-s): First name Last name
University (Country)

***Abstract.** Summary of the work must have no more than 1500 characters. Text must be typed in italics with a single interval after the name of the university.*

***Keywords:** up to 10 keywords. Text must be typed in italics.*

I. INTRODUCTION

Text...

II. LITERATURE ANALYSIS

This section can be split into several subsections (if necessary). Titles of subsections must be typed in bold. The subsections must be numbered consecutively within the section. Subsection text must be typed after a single interval.

References are placed in square brackets in the order of mention in the text, e.g. [1], [2–7].

2.1. Subsection title

Text...

2.2. Subsection title

Text...

III. OBJECT, SUBJECT, AND METHODS OF RESEARCH

Text...

IV. RESULTS

This section can be split into several subsections (if necessary). Tables and figures must be referenced in the text and formatted as follows:

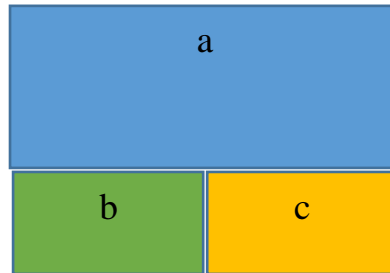


Fig. 1. Title of the figure...:

a – first subfigure, b – second subfigure, c – third subfigure

Table 1. Title of the table...

Header A	Header 1	Header 2	Header 3
Header B	Data	Data	Data
Header C	Data	Data	Data

V. CONCLUSIONS

Text...

VI. REFERENCES

1. Source 1
2. Source 2
3. Source 3

Sources must be cited in the standard APA style:

<https://apastyle.apa.org/style-grammar-guidelines/references/examples>

ADDENDUM A

Addendums are not required. If present, addendums must be directly related to the research and referenced in the text. Unrelated documents (copies of other published articles, patents, etc.) are not allowed in the addendums.

Addendum 2
to Regulations on holding the
International competition of
student scientific works “Black
Sea Science” organized by
Odesa National University of
Technology

INFORMATION
about the author(s) and scientific advisor(s) of the scientific work

Name of the work submitted for the Competition _____

Field of the work (chosen from available fields of the Competition) _____

Author(s)

Prefix	Mr. / Ms.
First name	_____
Last name	_____
Full name of the institution	_____
Address of the institution	_____
Full name of the department	_____
Study program (junior specialist / junior bachelor / bachelor / master)	_____
Study year	_____
Phone number	_____
E-mail	_____

Scientific advisor(s)

Prefix / Title	Prof. / Dr. / Mr. / Ms.
First name	_____
Last name	_____
Full name of the institution	_____
Full name of the department	_____
Job	_____
Degree	_____
Academic status	_____
Phone	_____
E-mail	_____

Author(s) and advisor(s) agree to have their work published in the proceedings of the Competition (choose “YES” or “NO”, marking the appropriate square with “+”)

YES ☐ NO ☐

Advisor(s)

(signature)

(first name, last name)

Author(s)

(signature)

(first name, last name)

Addendum 3
to Regulations on holding the
International competition of
student scientific works “Black
Sea Science” organized by
Odesa National University of
Technology

SAMPLE FORM FOR REVIEWING THE WORK

	R E V I E W	Black Sea Science 2024 first stage
Work title		
Code		

No.	CRITERIA	¹ RATING
1	The work is relevant, has the novelty, originality of the solution of the problem	
2	The title and summary of the work correspond to its contents and results	
3	All parts of the work are designed for their intended purpose, have a clear structure and sufficient content	
4	The research methods are consistent with the tasks of the work and have sufficient description to reproduce the research results	
5	Theoretical and experimental studies are done correctly and are sufficiently complete according to the tasks of the work	
6	Tables, graphs, diagrams, figures and calculation material are sufficiently informative and clear	
7	The results of the work are adequately discussed and interpreted	
8	The conclusions of the work are clear and reasonable, consistent with the results of research, and have recommendations for implementing them	
9	The work contains a sufficient number of references to the contemporary literature related to this topic; all references mentioned in the list of references are present in the text and vice versa	
10	The writing of the work is literate: the spelling, style and grammar are correct and clear	
	Total	

Reviewer's comment on the work (optional) _____

Reviewer	Signature	Date

¹ The maximum rating is 10 points per each criterion (100 points total). Excellent – 10-9 points; good – 8-6 points; satisfactory – 5-3 points; unsatisfactory – 2-0 points

Addendum 4
to Regulations on holding the
International competition of
student scientific works “Black
Sea Science” organized by
Odesa National University of
Technology

SAMPLE FORM FOR REVIEWING THE PRESENTATION AND REPORT



R E V I E W

Black Sea Science 2024

second stage

Work title

Code

No.	CRITERIA	¹ RATING
1	Qualitative, clear visualization of the scientific work material	
2	High-level understanding of the scientific work material	
3	The clarity and shortness of the report formulation	
4	The full explanation of the scientific work material within the report time limit	
5	The competent, complete answer to the jury's questions	
	Total	

Reviewer's comment (optional) _____

Reviewer	Signature	Date

¹The maximum rating is 6 points per each criterion (30 points total). Excellent – 6-5 points; good – 4-3 points; satisfactory – 2-1 points; unsatisfactory – 0 points

Addendum 5
to Regulations on holding the
International competition of
student scientific works “Black
Sea Science” organized by
Odesa National University of
Technology

MEETING PROTOCOL
of the Jury of the first stage of the International competition of student
scientific works “Black Sea Science”

the field of _____
(field)

date _____

Submitted to the first stage of the International competition of student scientific works “Black Sea Science” were ____ student scientific works. Of them, ____ works were from higher education institutions of Ukraine, ____ from ONUT, ____ from colleges, ____ from foreign institutions, ____ joint works between different institutions.

Based on the review results, ____ works were selected as finalists, which is 25% of the total number of reviewed works.

The list of works with evaluation results is attached.

Head of the Jury

(signature)

(First name LAST NAME)

Secretary of the Jury

(signature)

(First name LAST NAME)

Addendum 6
to Regulations on holding the
International competition of
student scientific works “Black
Sea Science” organized by
Odesa National University of
Technology

LIST OF WORKS
of the first stage of the International competition of student scientific works
“Black Sea Science”

the field of _____
(field)

Work code	Country	Institution	Work title	Author	Advisor	Score

Head of the Jury

(signature)

(First name LAST NAME)

Secretary of the Jury

(signature)

(First name LAST NAME)

Addendum 7
to Regulations on holding the
International competition of
student scientific works “Black
Sea Science” organized by
Odesa National University of
Technology

MEETING PROTOCOL
of the Jury of the second stage of the International competition of student
scientific works “Black Sea Science”

the field of _____
(field)

date _____

Submitted to the second stage of the International competition of student scientific works “Black Sea Science” were ____ student scientific works. Of them, ____ works were from higher education institutions of Ukraine, ____ from ONUT, ____ from colleges, ____ from foreign institutions, ____ joint works between different institutions.

Based on the results of the online conference, it was decided to distribute the winning places as follows:

I place – ____ works

II place – ____ works

III place – ____ works

The list of works with evaluation results is attached.

Head of the Jury

(signature)

(First name LAST NAME)

Secretary of the Jury

(signature)

(First name LAST NAME)

Addendum 8
to Regulations on holding the
International competition of
student scientific works “Black
Sea Science” organized by
Odesa National University of
Technology

LIST OF WORKS
of the second stage of the International competition of student scientific works
“Black Sea Science”

the field of _____
(field)

Work code	Place	Country	Institution	Work title	Author	Advisor	1 st sage score	2 nd stage score	Total score

Head of the Jury

(signature)

(First name LAST NAME)

Secretary of the Jury

(signature)

(First name LAST NAME)

Addendum 9
to Regulations on holding the
International competition of
student scientific works “Black
Sea Science” organized by
Odesa National University of
Technology

MEETING PROTOCOL
of the Appeal Committee
of the International competition of student scientific works
“Black Sea Science”
date _____

The appeal committee of the competition considered the appeal regarding
student scientific work _____,
(work title)
by the author _____.
(first and last name)

The appeal committee determined that the work was evaluated by reviewers
of the field _____
(field)
and received an average score of _____.

After studying the work and its reviews, the appeal committee
_____ with the reviewers and states that the work was evaluated
(agrees / disagrees)
_____.
(fairly / unfairly)

The appeal committee approves the average score _____ of the student's
scientific work _____,
(work title)
by the author _____.
(first and last name)

Head of Appeal Committee

(signature)

(First name LAST NAME)

Secretary of Appeal Committee

(signature)

(First name LAST NAME)