



FIELD OF «ECOLOGY AND ENVIRONMENTAL PROTECTION»
IN THE INTERNATIONAL COMPETITION OF STUDENT SCIENTIFIC WORKS

«BLACK SEA SCIENCE 2024»

organized by
Odesa National University of Technology
Odesa, Ukraine

Certificate of participation

Air pollution from vehicle emissions as a health and environmental problem

authored by

Bessmertna Diana, Veremko Polina, Ciszewski Robert

under the supervision of

Halyna Valter, Vasyl Mateichyk

Head of the Organizing Committee
Rector of Odesa National
University of Technology
Larysa IVANCHENKOVA

President of Odesa National
University of Technology
Bogdan IEGOROV

Vice-Rector for Scientific Work
and International Relations of
Odesa National University of
Technology
Olga OLSHEVSKA

Head of the Jury in the field of
"Ecology and Environmental
Protection"
Galina KRUSIR

BSS-2024.5.62



FIELD OF «ECOLOGY AND ENVIRONMENTAL PROTECTION»
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«BLACK SEA SCIENCE 2024»

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Odesa, Ukraine

Certificate of participation

*Ecological aspects of using metallurgical industry waste as resources for
sustainable development*

authored by

Ruslan Myronenko

under the supervision of

Kaliuzhna Yuliia

Head of the Organizing Committee
Rector of Odesa National
University of Technology
Larysa IVANCHENKOVA

President of Odesa National
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Bogdan IEGOROV

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Olga OLSHEVSKA

Head of the Jury in the field of
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Galina KRUSIR

BSS-2024.5.58



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«BLACK SEA SCIENCE 2024»

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Odesa National University of Technology
Odesa, Ukraine

Certificate of the winner

Improvement of recreational forest management in the natural park

authored by

Darya Orlova, Lub Yelyzaveta

under the supervision of

Nataliia Vnukova, Pierre L. Ibisch

was awarded the 2nd place

Head of the Organizing Committee
Rector of Odesa National
University of Technology
Larysa IVANCHENKOVA

President of Odesa National
University of Technology
Bogdan IEGOROV

Vice-Rector for Scientific Work
and International Relations of
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Technology
Olga OLSHEVSKA

BSS-2024.5.60

Head of the Jury in the field of
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Galina KRUSIR



FIELD OF «ECOLOGY AND ENVIRONMENTAL PROTECTION»
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«BLACK SEA SCIENCE 2024»

organized by
Odessa National University of Technology
Odessa, Ukraine

Certificate of participation

“Green” construction as a direction of resource saving in office buildings

authored by

Prykhodko Anhelina, Sasina Vladyslava, Ilic Jelena

under the supervision of

Maryna Barun, Glisic Milan

Head of the Organizing Committee
Rector of Odessa National
University of Technology
Larysa IVANCHENKOVA

President of Odessa National
University of Technology
Bogdan IEGOROV

Vice-Rector for Scientific Work
and International Relations of
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Technology
Olga OLSHEVSKA

Head of the Jury in the field of
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Galina KRUSIR

BSS-2024.5.61



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Olga OLSHEVSKA

Head of the Jury in the field of
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Galina KRUSIR

BSS-2024.5.62



Ministry of Education and Science of Ukraine
National Commission of Ukraine for UNESCO
Kremenchuk Mykhailo Ostrohradskyi National University

SECOND DEGREE DIPLOMA

*for the achievement
in the International competition of student papers
in the specialty of Ecology
is conferred on student*

Diana Bessmertna

Head of the program committee
of the International competition
of student papers



Mykhaylo ZAGIRNYAK

June 5-7, 2024
Kremenchuk



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National Commission of Ukraine for UNESCO
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SECOND DEGREE DIPLOMA

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Ruslan Myronenko

Head of the program committee
of the International competition
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Mykhaylo ZAGIRNYAK

June 5-7, 2024
Kremenchuk



Ministry of Education and Science of Ukraine
National Commission of Ukraine for UNESCO
Kremenchuk Mykhailo Ostrohradskyi National University

FIRST DEGREE DIPLOMA

*for the victory
in the International competition of student papers
in the specialty of Ecology
is conferred on student*

Vladislava Sasina

Head of the program committee
of the International competition
of student papers



Mykhaylo ZAGIRNYAK

June 5-7, 2024
Kremenchuk



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Tetyana Shypa

Head of the program committee
of the International competition
of student papers



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LIANA HALYTSKA

Head of the program committee
of the International competition
of student papers



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Mykhaylo ZAGIRNYAK



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National Commission of Ukraine for UNESCO
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THIRD DEGREE DIPLOMA

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in the International competition of student papers
in the specialty of Professional education is conferred on student
DARIA ORLOVA

Head of the program committee
of the International competition
of student papers



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OLEKSII SEREDA

Head of the program committee
of the International competition
of student papers



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Kremenchuk Mykhailo Ostrohradskyi National University

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TETIANA SHYPA

Head of the program committee
of the International competition
of student papers



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Mykhaylo ZAGIRNYAK



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National Commission of Ukraine for UNESCO
Kremenchuk Mykhailo Ostrohradskyi National University

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VLADYSLAV PELESHENKO

Head of the program committee
of the International competition
of student papers



June 5-7, 2024
Kremenchuk


Mykhaylo ZAGIRNYAK