



II SCHOOL of YOUNG SCIENTISTS

PROGRAM

October 21, 2024

**Don State Technical University
Rostov-on-Don, Russia
2024**



The school was organized to discuss the scientific directions of the project "Molecular aquaculture strategy in the design of novel synbiotic preparations for improvement of health and quality in fishery", which is currently being implemented at the Don State Technical University under the leadership of the Doctor of Engineering Sciences Dmitry Rudoy, within the framework of the agreement with the Russian Science Foundation from April 13, 2023 No. 23-76-30006 for conducting fundamental and exploratory scientific research on the event "Conducting Research by World-Class Scientific Laboratories Within the Framework of Implementing the Priorities of Scientific and Technological Development of the Russian Federation" of the Presidential Program of research projects implemented by leading scientists.

Scientific Program of the II School of Young Scientists

October 21, 2024 Location: "Modern Agriculture" class, 1st floor, auditorium 161	
Registration, including online	9.00 – 9.45
Plenary Session Conference Chair: Dean of the Faculty "Agribusiness" Dmitry Rudoy, Professor Min Tze Liong	10.00 – 12.00
Besarion Meskhi, Rector of the Don State Technical University, Corresponding Member of the Russian Academy of Education, Russia	9.45 – 9.50
Olga Popelnukha, Deputy Minister, Ministry of Agriculture and Food of the Rostov Region, Russia	9.50 – 9.55
Opening remark Alexey Beskopylny, Vice-Rector for Academic Affairs and International Affairs, Don State Technical University, Russia	9.55 – 10.00
Dmitry Rudoy, Dean of the Faculty "Agribusiness", Don State Technical University, Russia	10.00 – 10.05
Svetoslav Dimitrov Todorov, Professor, University of São Paulo, Brazil	10.05 – 10.10
Demonstration of a film about the Don State Technical University	10.10 – 10.15

Safety Assessments, the Gateway for the Biotechnological Application of Bacteriocinogenic Lactic Acid Bacteria	Svetoslav Dimitrov Todorov , Professor, University of São Paulo, Brazil	10.15 – 10.30
Probiotics: Food, Agriculture and Health Applications	Min Tze Liong , Professor, University Sains Malaysia, Malaysia	10.30 – 10.45
Prospects for the Use of New Probiotic and Prebiotic Feed Additives for Valuable Fish Species	Dmitry Rudoy , Dean of the Faculty "Agribusiness", Don State Technical University, Russia	10.45 – 11.00
Bacteriocins: A Century of Research and Applications in Foods and Animal Healthcare	Michael Chikindas , Head of the Laboratory, Don State Technical University, Russia	11.00 – 11.15
Coffee Break "Modern Agriculture" class, 1st floor, auditorium 161		11.15 – 11.30
Comprehensive Assembly and Analysis of Cat Gut Microbiome and the Identification of Probiotics in Treating Cat Diarrhea	Ying Li , Professor, Foshan University, China	11.30 – 11.45
Development of Technology for a Biological Method of Water Purification Using Probiotic Cultures for Industrial Aquaculture	Irina Tkacheva , Professor, Don State Technical University, Russia	11.45 – 12.00
Fungal Biotechnology; New Avenues	Bamunuarachchige Thushara Chathuranga , Professor, Rajarata University, Sri Lanka	12.00 – 12.15
Influence of Rifampicin-Resistance Mutations on the Synthesis of Antioxidant, DNA-Protective, and SOS-Inhibitory Metabolites	Varvara Statsenko , Student, Academy of Biology and Biotechnology, Southern Federal University, Russia	12.15 – 12.30
On the Problem of the Production of Effective Spore-Forming Probiotics for Animal Husbandry	Anjelika Bren , Leading Researcher, Don State Technical University, Russia	12.30 – 12.45
Lipopeptides from Bacillus Probiotics Can Target Transmembrane Receptors NOX4, EGFR, PDGFR, And OCTN2	Fadi Amirdzhanov , Student, Academy of Biology and Biotechnology, Southern Federal University, Russia	12.45 – 13.00
Biofilm Formation and Auto-Aggregation Abilities of Novel Targeted Aqua-Probiotics	Marine Balayan , Leading Researcher, Armenian National Agrarian University, Armenia	13.00 – 13.15

Exploring the Characteristics of Malaysian Uniqueness Green Honey	Nurul Huda , Associate Professor, University Malaysia Sabah, Malaysia	13.15 – 13.30
Lunch "Modern Agriculture" class, 1st floor, auditorium 161		13.30 – 14.15
Unveiling Bioactive Polysaccharides: from Technological Prospection to Biological Effects in Humans	Joao Paulo Fabi , Associate Professor, University of São Paulo, Brazil	14.15 – 14.30
Peculiarities of Probiotics Application in Plant Growing for Marketable and Fodder Purposes	Arsen Jandarov , Junior Researcher, Postdoc, Don State Technical University, Russia	14.30 – 14.45
Bacteriocins of Lactic Acid Bacteria: from Food Preservative to Clinical Settings in Farm Animals	Santosh Kumar Tiwari , Associate Professor, Maharshi Dayanand University, India	14.45 – 15.00
Effect of Probiotic Bacteria Bacillus Sp. on Survival and Growth Rates of Juvenile Sturgeons Acipenseridae Bonaparte, 1831	Victoria Shevchenko , Junior Researcher, Postdoc, Don State Technical University, Russia	15.00 – 15.15
Sustianble Aquauclture and the Importance of Feed Additives	Seyed Hossein Hoseinifar , Associate Professor, Gorgan University of Agricultural Science and Natural Resources, Iran	15.15 – 15.30
Exploring Agricultural Applications of Probiotic Limosilactobacillus Reuteri KUB-AC5: Phenotypic Insights and Potential for Large-Scale Industrial Implementation	Massalin Nakphaichit , Associate Professor, Kasetsart University, Thailand	15.30 – 15.45
Growth Rate of Juvenile Onorhyncus Mykiss (Walbaum 1792) with Use of Probiotic Additive Clostat HC SP	Anton Zhumbey , Junior Researcher, Don Sate Technical University, Russia	15.45 – 16.00
Model for Assessing Oxidative Stress in Adult Zebrafish Danio rerio (Hamilton, 1822)	Valeria Vibe , Student, Academy of Biology and Biotechnology, Southern Federal University, Russia	16.00 – 16.15
Closing Remark	Evgenia Prazdnova , Senior Researcher, Don State Technical University, Russia	16.15 – 16.30

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