



приоритет2030⁺
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SCHOOL of YOUNG SCIENTISTS

PROGRAM

December 11, 2023

#Агрпром

Don State Technical University
Rostov-on-Don, Russia
2023



SCHOOL OF YOUNG SCIENTISTS*
SCIENTIFIC PROGRAM
DECEMBER 11, 2023

December 11, 2023

Registration: 09:00-09:30

Location: "Modern Agriculture" class, 1st floor, auditorium 161

Online registration: 9:00-9:30

Plenary Session

Conference Chair: Professor Min Tze Liong, Academician Yuri Ivanov

Location: "Modern Agriculture" class, 1st floor, auditorium 161

Min Tze Liong

Professor, University Sains Malaysia, Malaysia

Opening remark

9:30-9:35

Dmitry Rudoy

Dean of the Faculty "Agribusiness", Don State Technical University, Russia

Opening remark

9:35-9:40

DEMONSTRATION OF A FILM ABOUT DON STATE TECHNICAL UNIVERSITY

9:40-9:45

Min Tze Liong

Professor, University Sains Malaysia, Malaysia

Probiotics: Food, Agriculture and Health Applications

09:45-10:00

Yuri Ivanov

Academician of the Russian Academy of Sciences, Director, Institute of Livestock Mechanization - branch of the Federal State Budgetary Scientific Institution "Federal Scientific Agroengineering Center VIM" (ILM branch of FSAC VIM), Russia

Development of a System of Technological and Technical Modernization of Feed with Probiotics for Livestock and Aquaculture

10:00-10:15

Endang Sutriswati Rahayu

Professor, Universitas Gadjah Mada, Indonesia

From Cocoa Bean to Probiotics Chocolate Bar

10:15-10:30

Vladimir Chistyakov

Chief Researcher, Don State Technical University, Russia

Computer Simulation of Biological Experiments

10:30-10:45

COFFEE BREAK: 10:45-11:00

"Modern Agriculture" class, 1st floor, auditorium 161

Ying Li

Professor, Foshan University, China

Gut Microbiota and Their Roles on Growth Promotion in Pigs

11:00-11:15

Elena Ponomareva

Professor, Don State Technical University, Russia

Development of Compound Feed Formulations with Probiotic Additives and Approbation of Their use in Aquaculture

11:15-11:30

Thushara Chathuranga Bamunuarachchige

Senior Lecturer, Rajarata University, Sri Lanka

A New Frontier: Use of Integrated Omics Technologies in Agricultural Biotechnology

11:30-11:45

Evgeniya Prazdnova

Senior Researcher, Don State Technical University, Russia

Bacterial Biosensors as an Effective Tool for Probiotics Screening

11:45-12:00

Massalin Nakphaichit

Associate Professor, Kasetsart University, Thailand

*Exploring Agricultural Applications of Probiotic *Limosilactobacillus Reuteri* KUB-AC5: Phenotypic Insights and Potential for Large-Scale Industrial Implementation*

12:00-12:15

Maria Mazanko

Senior Researcher, Don State Technical University, Russia

Methods for Selecting Potential Probiotic Strains

12:15-12:30

Nurul Huda

Associate Professor, Universiti Malaysia Sabah, Malaysia

Potential of Beneficial Microbes from Some Indonesian Indigenous Animal-Based Fermented Food Products

12:30-12:45

Anjelika Bren

Leading Researcher, Don State Technical University, Russia

On the problem of the production of effective spore-forming probiotics for animal husbandry

12:45-13:00

Lunch: 13:00-14:00

"Modern Agriculture" class, 1st floor, auditorium 161

Santosh Kumar Tiwari

Doctor, Maharshi Dayanand University, India

Efficacy of Bacteriocins of Lactic Acid Bacteria Against Diseases-Causing Animal Pathogenic Bacteria

14:00-14:15

Dmitry Rudoy

Dean of the Faculty "Agribusiness", Don State Technical University, Russia

Prospects for the use of new probiotic and prebiotic feed additives for valuable fish species

14:15-14:30

Nadia Binti Ab Razak

Lecturer, University Sains Malaysia, Malaysia

Can Fungi Found in Plants Function as a Probiotic Within Aquaculture?

14:30-14:45

Siti Saad

Research assistant, Universiti Sains Malaysia, Malaysia

Microbe Magic: A Story of Clean Farms and Clear Water

14:45-15:00

Svetoslav Dimitrov Todorov

Associate Professor, University of São Paulo, Brazil

Bacteriocins and Probiotic Potential of the LAB Isolated from Tropical Fruits

15:00-15:15

Aleksandr Lukyanov

Leading Researcher, Don State Technical University, Russia

Special conditions and algorithms for probiotic preparations drying: monitoring, control & optimisation

15:15-15:30

Michael Chikindas

Head of the laboratory, Don State Technical University, Russia

Bacteriocins: a Century of Research and Applications in Foods and Animal Healthcare

15:30-15:45

Min Tze Liong

Professor, University Sains Malaysia, Malaysia

Closing Remark

15:45-16:00

*The school was organised 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 leading scientist Liong Min Tze, 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.