











Scientific Program

XVIII-th Youth International Scientific and Environmental Forum of Baltic region countries "ECOBALTICA"

15-16 Dec. 2021

St.-Petersburg, Moscow region, Russia

"All-Russian research Institute of Phytopathology", University of Linnaeus (Sweden),

"Association of international youth cooperation and tourism"

Global Alumni Alliance,

the Association of graduates of St. Petersburg universities in

www.ecobaltica.org

<u>15.12.2021</u>

No	Time	Name of speaker	Name of report			
	<u>, </u>	St. Petersburg, Russia	•			
		Room 1				
	Zoom					
10.00-	https://us02web.zoom.us/j/89396038935?pwd=ZTlEa0g1cHdzeUorblZvL1B0ZENxdz09					
		Идентификатор конференции: 893 9603 8935 Код доступа: 152000				
10.30	REGISTRATION in zoom starting at 09.25 a.m.					
	Opening Ceremony					
	(Moderator the Chair of the Program Committee, Prof. Vasily Rud')					
	,	Speakers:	, ,			
	Prof. Viktor S	tartsev (Deputy Director FSBSI A	ARRIP, Russia)			
William I	v	sor, International Director Forun	·			
		(Academician of Russian Academ				
	-	Federal Scientific Center for Fe	, , , , ,			
		logy named after V.R. Williams,				
	•	ladimir Chetiy (Professor, Russi				
		Markaryan (Prof., RCNK DANA				
		Room 1	,			
Mos-		Plenary Section (Mode	rator -			
cow		Vasily Rud' (Russia)				
Time	Willia	um Hogland (Professor, Internati				
10.30-		ECOBALTICA, Swed				
17.00		20021221013, 2 11 00				
	Each presentation with questions- 30 min.					
	P-112 Prof. William Hogland (Linneaus University)					
	Phytoremediation by the Environmental Science and Engineering Group					
	at Linnaeus University, Sweden					
	P-121 Prof. A. Androov, D. Ivanov, A. Grinin / Massaw State University)					
	P-121 Prof. A. Andreev, D. Ivanov, A. Grinin (Moscow State University) "Overcoming the Limits". The first results of an interdisciplinary scientific project					
	P-120 Professor Marcia Marques Gomes					
	_, ,	(<u>Rio de Janeiro State University</u>)				
	The performa		eat real wastewater: Benzophenone and			
	Diethyl Phthalate removal					
	P-111 Prof. Jace	k Makinia, Ewa Zaborowska, Mojtaba Ma	aktabifa (<u>Gdansk University of Technology</u>)			
		Carbon footprint of wastewater to				
		Aiśkiewicz, Jan Łubiński, Bartosz Kostarc				
	P-15 Prof. Bar		ices and Technologies) Development of			
	D 02.1/1 !!	wheat tan spot depending on s				
	P-92 Valery Kali		Research Institute) Biogeosystem Tech-			
		nique for environmentally safe technology	ogical development			
	for environmentally safe technological development Room 1					
	14.30-15.00					
		videopresentation				
		Section 1				
			Colupaeva Eugenia Stepanova			
	Phytotoxicity	and residual aftereffect of Magnum herb				
		bioassay test				

№93 Victor Chaplygin, Anatoly Barakhov, Valery Kalinitchenko, Tatiana Minkina Enhancement the efficiency of rabbit farms through alternative waste management options Room 1 Plenary section 16.00-17.00 Prof. V. Krasnoshchekov (St. Petersburg polytechnic University) Formation of engineering research competencies of foreign pre-masters' students: the best practices P-110 INGA GRINFELDE (Latvia University of Life Sciences and Technologies) THE HISTORY AND DEVELOPMENT PERSPECTIVES OF CONCEPTUAL HYDROLOGICAL MODEL METO P-19 Andrey Yurkov (All-Russia Research Institute for Agricultural Microbiology) The biodiversity of arbuscular mycorrhizal fungi and prospects for ones using as biopreparations to enhance plant growth Room 1 17.00-20.00 Oral Section №1 Oral Section No1 №100 Eldar Abdeev, Valery Meshalkin, Rail Saitov, Rinat Abdeev and Minnehan Fatykhov Energy-efficient process for low-temperature recycling of oil sludge waste №24 Konstantin Lelekin, Alexei Cheremisin, Maria Andrianova Dependence of color and OD254 of vater from pollution by domestic wastewaters №29 Svetlana Hamitova Aleksandra Popova Marina Ivanova at al. ECOLOGICAL AND CHEMICAL ASSESSMENT OF THE STATE WATER OBJECT IN THE NORTH-WESTERN PART OF THE VOLOGDA REGION №32 Petr Mukovoz Sesame oil as an effective, environmentally friendly synergist for insecticidal compositions based on neonicotinoids, pyrethroids and organophosphorus compounds. №33 Victoria Kolupaeva Victor Gorbatov Risk Assessment of Selected Pesticides for Earthworms №50 Alexey Glinushkin Vitaly Javakhia Rishat Mukhammadiev Rinat Mukhammadiev Lenar Valiullin Antagonists of pathogens of hazardous types of diseases of agricultural plants, promising for creation of effective and environmentally friendly preparations for reducing toxicity of grains and feeds contamined with fusariotoxins №56 Liudmila Molodkina Anna Suckareva Comparative spectral analysis of water sources and snow cover in Gatchina Vladimir Cherniavskih Елена Думачева Дмитрий Думачев *№77* resource potential of Urtica of the Cretaceous south of the Central Russian Upland №60 Svetlana Ulbasheva Natalia Statsyuk Stimulation of a wheat grain germination via the pre-sowing treatment with low-frequency pulse electric field Maria Yakusheva Roman Davydov Methodology for assessing the impact on soil pollution in urban rural areas of central Russia

№67 Lenar Valiullin at al.

Evaluation in vivo of the mutagenic activity of a biological preparation based on lactic acid and propionic acid microorganisms

№70 Ksenia Pishchaeva Anna Makarova Elena Nikulina at al. Research of phytoextraction of mercury from contaminated soils

№72 Elina Nepomnyashchaya Aleksandr Makarychev

Development of combined optical sensor for analyzing the composition of aqueous media

№74 Vladimir Cherniavskih

Prospects of ecological breeding of perennial legumes for the northern regions of Russia

№79 Anna Simonenkova Ekaterina Demina at al. APPLICATION OF BIOELECTRIC POTENTIAL USED IN ANIMAL HUSBANDRY ACTICE TO ASSESS THE TECHNOLOGICAL CHARACTERISTICS OF MILK

> №81 Dmitry Shurupov Assessment of the level of soil pollution of agricultural lands Kotlin Island

№90 Tatiana Kovaleva, Valentin Vershinin, Alexey Glinushkin, Ivan Savchenko and Alexander Kovalev Creation of protective forest stands as the basis for the formation of an "eco skeleton" of sustainable agricultural landscapes

№95 Rodion Dobretsov

Creation of a device for detecting fluorescence from microfluidic chips for studying biosystems

17.00-20.00

Room 2

Zoom

https://us02web.zoom.us/j/81345864928?pwd=MnRuSmJETEwzNVRzSzc1V08yTE5xQT09

Идентификатор конференции: 813 4586 4928 Код доступа: 213097

Section 4

№20 Julia Bazarnova Ekaterina Aronova Zhanna Repinskaia ON STAFF TRAINING IN SPECIALTY «INDUSTRIAL ECOLOGY AND BIOTECHONOLOGY» AT PETER THE GREAT SAINT PETERSBURG POLYTECHNIC UNIVERSITY

№23 Alexander Chernikov

Problems and peculiarities of preparing foreign nationals for graduate and postgraduate studies

№26 Nina Shakhova Eugenia Sherina Galina Kashkan COORDINATING SUPPORT OF THE FOREIGN RESEARCHERS' SCIENTIFIC INITIA-TIVE

AS A FACTOR OF NEW GENERATION OF YOUNG SCIENTISTS' FORMATION

№62 Svetlana Kalikina Ekaterina Belyaevskaya at al. Students Project Marathon as new format of practice-oriented education

№82 Olga Novikova Dzhaved Basek Victor Krasnoshchekov Aleks Krasnov at al.

Analysis of problems of pre-master's study in economic areas at a technical university

Videopresentations Section 4

№5 Viktoria Gorbenko Tatiana Burmistrova Daria Dolbilova at al.

Assessment of the level of readiness of foreign Bachelors of Economics of the fourth year to write a Final Qualifying Paper

№9 Gritz Nadezhda Xaritonov Sergei Zueva Julia

Development and implementation aspects of international Master's degree programs in agri-

№27 Elena Ionkina Natalia Kharlamova

MODEL FOR FORMING PROFESSIONAL AND LANGUAGE COMPETENCE FOR A FOREIGN PRE-MASTER

№38 Olga Ilyina Yulia Naumenko Marina Zolotareva The Principles of Designing the Program of Teaching the Russian Language as a Foreign One for Future Masters' of Engineering Specialties

> №40 Andrey Novikov Tamara Blinova PRE-MASTER'S TRAINING OF FOREIGN STUDENTS AS A FACTOR IN IMPROVING THE QUALITY OF TRAINING OF FUTURE MASTERS

№44 Elena Pinevich Olga Solianik New program of the course "Russian as a foreign language" for pre-graduate students

in the digital environment: development and prospects

18.00-18.40

Room 3 Section videoreports

Zoom

https://us05web.zoom.us/j/89149583350?pwd=Vk5XWG9IMC95ZmJaZ0FuZlhsU3RHQT09

Идентификатор конференции: 891 4958 3350

Код доступа: eS9CD6

Section 1

№14 Nikolay Belyakov Nadezhda Nikolina Climate change as an agricultural problem in the Middle East

N28 Liudmila Kulagina Tatiana Kulagina Irina Kirillova Enhancement the efficiency of rabbit farms through alternative waste management options

№47 Lenar Valiullin

Study of the biological properties of new chemical compounds of the pyrimidine series

№52 Vladimir Mukovoz Veronica Andreevskaya

Biologically active compositions based on natural antimycotics are effective means of combating mycoses.

№58 Irena Gureeva Development of energy-efficient LED phytolamps and techniques for lighting agricultural crops

Nº61 Petr Mukovoz Olga Torzhkova

Environmentally friendly compositions from extracts of Dalmatian chamomile and rustic tobacco - effective natural insecticides.

№63 Maria Yakusheva Roman Davydov Study of the impact on the environment and agricultural lands of reclaimed dumps of a granite stone quarry in the Leningrad region

18.50-	Zoom			
19.30	https://us05web.zoom.us/j/87335480226?pwd=SjU5eXdKeXZtWCttdTB5VmlOUnpIQT09			
	Идентификатор конференции: 873 3548 0226 Код доступа: FhT3m3			
	№68 Vladimir Klimenko Svetlana Malyarenko Eco-friendly methods of harvesting fermented feed from herbs			
	№73 Ekaterina Savchenko Elina Nepomnyashchaya Application of the speckle correlation sensor in veterinary medicine			
	№76 Vladimir Cherniavskih Михаил Маринич Елена Думачева Some results of ecological breeding of cereal lawn grasses			
	Section 2 №11 Marianna Kremenevskaya at al.			
	Recycling leather bio-raw materials			
	Section 3 №36 Perelade Jombo Nikita Kostik Alexander Bobyl Influence of the coastal wind currents on the renewable energy potential of Nigeria.			
10.00- 17.00	16 Dec. 2021			
	Room 1			
	Zoom https://us02web.zoom.us/j/83677180682?pwd=NXd1Z0lsMHlSai9xVGFxM3JFc29rdz09			
	Идентификатор конференции: 836 7718 0682 Код доступа: 783281			
	Academicians Plenary Section (mostly in Russian language only for this Plenary section) (Moderator - Alexey Glinushkin (Corresponding Member of RAS, Russia) And Vasily Rud' (Russia)			
	Corr. Member of RAS A. Glinushkin			
	№87 Academician V. Kosolapov (Federal Williams Research Center of Forage Production & Agroecology) Scientific support of breeding of fodder crops in Russia			
	Academician Meshalkin DIGITALIZED ENGINEERING FUNDAMENTAL FOUNDATIONS, METHODS AND TOOLS OF ENERGY RESOURCE EFFECTIVE ENVIRONMENTALLY SAFE PRODUCTIONS OF A PETROLEUM AND GAS CHEMICAL COMPLEX			
	Academician Zhuchenko (Federal Research Center for Bast Fiber Crops, All-Russian Horticultural Institute for Breeding, Agrotechnology and Nursery) FOOD SAFETY FOR SUSTAINABLE DEVELOPMENT AND GLOBAL HEALTH			
	Academician Sinegovskaya (All-Russian Research Institute of soy Increase of protein concentration in soybean seeds for the needs of food security of the Russian Federation			

	Academician Aseeva T.V. (Far Eastern Research Institute of Agriculture) Effects of phytopathogens on the yield and quality of grain seeds in monsoon climate		
	P-122 Prof. Sinegovskiy (All-Russian Research Institute of soy) Increasing the economic efficiency of soybean production depending on varietal characteristics		
	Corr. Member of RAS A. Korshunov The state and prospects of potato growing in Russia		
	№69 Sergey Chulkin Improving the reliability and environmental friendliness of marine diesel engines Hydroelectric power stations on the Beaver River		
	Franciszek Switala Hydroelectric power stations on the Beaver River		
14.00	break		
14.00- 14.30 break	Бгеак		
14.30- 15.00	Room 1		
	Oral Presentations Section 2 Nº Nº Mayder Shakir Elena Lonkina Natalia Kharlamova		
	CONVERSION OF PLASTIC WASTE INTO INSULATION MATERIALS		
	Section 3 Nº30 Nikita Kostik Sergey Tarasov		
	Alexander Bobyl Eugeny Terukov Potential of wind generators as additional source of energy in hybrid renewable energy systems located in Baltic region		
17.00- 18.00	Room 1 Posters		
	Section 1 N≥2 Alexander Smirnov Natalia Semenova at al UV-A, UV-B, and UV-C Irradiation Influence on Productivity and Anthocyanins rumulation in Lettuce, Red Mustard and Sweet Basil Plants.		
	№3 Kseniya Arinushkina Technologies to reduce and control greenhouse gas emissions		
	№6 Дмитрий Исаенко Сергей Родин Multifunctional complex of environmental monitoring with optical communication chan		

№7 Alina Mironkina Sergei Kharitonov

Managing the process of creating and using artificial intelligence to monitor diseases of agricultural plants

№35 Ekaterina Isupova

Features of monitoring the radioactive situation in the surface air layer and atmospheric precipitation in settlements and agricultural fields located at distances closer than 150 km from the nuclear power plant

№13 Sergey Makeev Assessment to ecological state of water objects in agricultural zones of Leningrad region a Russian Federation

№37 Diana Dmitrieva

Development a migration-dosimetric model of irradiation formation to herbaceous plants for constant radioactivity emissions

№39 Ekaterina Gryaznova

Determination of the potato quality under various influences on tubers

№41 Anna Mozhayko Mikhail Staritsyn

Spectral sensor for high-temperature measurements in industrial production of agricultural products

№42 Mariia Mazing Anna Zaitceva

Medical system for monitoring the health status of the rural population

№49 Nadezda Danilova Svetlana Zubareva SOIL CADASTRAL VALUE OF AGRICULTURAL LANDS IN THE NORTH-WESTERN FEDERAL DISTRICT

№51 Alina Mukhammadieva Minsagit Lutfullin at al.

Study of the acute toxicity of new anthelmintic compound "K-55" in rats

№54 Roman Dmitriev Anna Grevtseva

Restoration of the density of surface soul contamination by radionuclides according to aerogamma survey data

№55 Svetlana Shchepetkina

Organization of an Antimicrobial Control System in industrial animal husbandry in order to provide fertilizers for crop products without residual amounts of pharmacologically active substances

№64 Maria Yakusheva Roman Davydov

Monitoring of soil pollution under the influence of industrial enterprises in one of the districts of St. Petersburg

№66 Nadezhda Potievskaya Denis Alexeev at al.

Green spaces estimation in St. Petersburg using remote sensing data

№71 Alexsandra Kurkova Victoria Naumova

Reliability of the results of measurements of air pollution by solid particles by the method of detection of scattered laser radiation

№78 Mikhail Romanov Franciszek Switala

Solution of the problem of water conservation in arid and semi-arid zones

ed on the preservation of the diversity of natural ecosystems (for China as an example)

№80 Anton Valov

Portable Fourier spectrometer for rapid analysis of chemicals used in agriculture

№83 Gregory Pchelkin Monitoring the water quality in our rivers in urban areas.

№84 Daria Ryzhova Environmental monitoring of the state of water objects using radar systems

№89 Anatoliy Barakhov

INFLUENCE OF SORBENTS (MINERAL AND CARBONACEOUS)
IN THE PHYTOTOXICITY OF SOILS COMBINED BY COPPER AND BENZO
NE CONTAMINATION UNDER
CONDITIONS OF A MODEL LABORATORY EXPERIMENT,

#57 Danila Savin

Assessment of annual emissions of 14C isotopes at nuclear power plants and their impact on the radiation dose of the population and plants #48 Zahid Mamedov and Azer Agarzayev

Green Economy in Azerbaijan as the Main Direction of Greening

#96Victor Kuganov, Elena Pavlova and Mikhail Lobanov EVALUATION OF THE ECONOMIC EFFICIENCY OF THE REUSE OF MINERAL WOOL AS A REDUCTION OF THE HARMFUL ENVIRONMENTAL IMPACT OF GREENHOUSE PRODUCTION WASTE BASED ON HYDROPONIC TECHNOLOGIES

№123 Alexey Andreev at al. Development of digital technologies for decarbonization as a driver of overcoming

global development problems

№ 124 Maria Varenik and Petr Melnik Youth and youth policy for sustainable developmen № 125 Inga Grinfelde (Latvia University of Life Sciences and Technologies) Distribution of long-term and short-term air pollution of chemical elements in Jelgava city, Latvia

Section 2

№34 Dmitry Patokin and Alexander Danilov Energy-efficient recovery of chemical industry waste containing nitrocellulose

Section 3

№31Nikita Kostik Alexander Bobyl Evgeniy Terukov at al. Assessment of the agriphotovoltaic potential in the Chuvash region using artificial neural network

№131 Farid Bayramov , Vladimir Fedorov , Vladimir Toporov at al Andrei Mizerov Growth and Raman Characterization of Epitaxial GaN layers synthesized on Si (111) by plasma assisted MBE

№132 Vladimir Toporov, and Bakhysh Bairamov

Influence of Nitrogen Impurities on Polarization Properties of Lattice Vibrations of Diamond

№133 Yana Kuznetsova, Farid Bayramov, Vladimir Toporov, Bakhysh Bairamov, Vasilii Rud, and Aleksei Glinushkin Recombination radiation of heteroepitaxial structures with InAs quantum dots grown on surface of (311)B GaAs by MBE

17.00-	Room 2
18.00	Zoom

https://us02web.zoom.us/j/85057135199?pwd=NTJKcHZ0bC9DbCtPVG5VNmNTbklDdz09

Идентификатор конференции: 850 5713 5199 Код доступа: 320473

Section 5

№8 Alina Mironkina Sergei Kharitonov

Cluster model of agrotourism development and its promotion among young people

№10 Vasiliy Bureiko Anastasia Tungusova Julia Salnikova Sergei Guryanov Development and implementation aspects of international Master's degree programs in agriculture

№18 Babek Asadov Eldar Asadov New environmental policy of the European Union: some aspects of transition to green energy

№22 Babek Asadov Alexander Baranov Sofia Baranova Inga Philippova

Ecological and humanitarian approach to assessing the tourist and recreational attractiveness

of cultural landscapes drawing on the example of the unesco world heritage site "Curonian Spit"

№25 Pavel Nedelko

Features of interaction between the Russian education system and student environmental organizations

№85 Vasiliy Bureiko Anastasia Tungusova Julia Salnikova Sergei Guryanov Development of ecological tourism on the territory of the Yuntolovsky State Nature Reserve

№94 Anton Zaitsev How to spread sustainable eco-volunteering practices across the globe

№130 L.V. Startseva Vegetable breeding for immunity

18.00-
19.00

Room 1
Zoom

https://us02web.zoom.us/j/83677180682?pwd=NXd1Z0lsMHlSai9xVGFxM3JFc29rdz09

Идентификатор конференции: 836 7718 0682 Код доступа: 783281

Assuming Awards Closing