





of the Organization of Islamic Cooperation





2ND INTERNATIONAL FORUM FOR AGRI-BIOTECHNOLOGY

"Biotechnology for Climate Resilience and Food Security"

AGENDA

4-5 July 2023, Astana, Kazakhstan



REGISTRATION – 08:30-09:00

TUESDAY 4 July 2023 / 08:30-16:10



OPENING SESSION 09:00-09:50 **Moderator: Dr. Ismail M. Abdelhamid,** Advisor at Programs and Projects Department, IOFS https://us06web.zoom.us/j/81712264134?pwd=RnQ5UkNJTjJqSHEwMWRRQnlTYVBDZz09 09:00 -Moderator Words of introduction 09:03 09:03 -Recitation of Holy Quran 09:05 09:05 -Video of IOFS 09:10 09:10 -H.E. Prof. Yerlan A. Baidaulet Welcoming Speech 09:15 Director-General, Islamic Organization for Food Security (IOFS) H.E. Prof. M. Iqbal Choudhary 09:15 -Welcoming Speech Coordinator General of the Ministerial Standing 09:20 Committee on Scientific and Technological Cooperation of the OIC (COMSTECH) 09:20 -H.E. Mr. Tlektes Yespolov Welcoming Speech President of the Academy of Agricultural 09:25 Sciences of the Republic of Kazakhstan 09:25 -H.E. Zehra Zümrüt SELÇUK Video address 09:30 Director-General, The Statistical, Economic and Social Research and Training Centre for Islamic Countries (SESRIC) 09:30 -H.E. Dr. Ahmad K. Sengendo Video address Assistant Secretary General for Economic Affairs 09:35

(OIC)

09:35 -	Welcoming Speech	H.E. Mr. Darkhan Akhmed-Zaki
09:40	g i	Chairman of the Committee of Science of the
		Ministry of Science and Higher Education of the
		Republic of Kazakhstan
09:40 -	Launch of Food Security Hub 12	Prof. Dr. Zulfiqar Ali, Director Programs and
09:45	·	Projects Department, IOFS
09:45 -	The signing of Memorandum of	IOFS, Academy of Science of the Republic of
09:50	Understanding	Tajikistan and Academy of Science of the
		Republic of Kazakhstan
09:50 -	Vote of thanks	Moderator
09:55	Group Photo	

NETWORKING COFFEE (09:55 – 10:15)

TECHNICAL SESSION 1 – GREEN BIOTECHNOLOGY (10:15 – 13:00)

Parallel session 1-Hall 1

https://us06web.zoom.us/j/81712264134?pwd=RnQ5UkNJTjJqSHEwMWRRQnlTYVBDZz09

Chair: Prof. Vyacheslav Ogay, NCB, Kazakhstan

Rapporteur: Dr. Shoaib Ur Rehman, Institute of Plant Breeding and Biotechnology, MNS University of Agriculture, Pakistan

Session Moderator: Ms. Makpal Bulatova, Program Manager

Debbon Haderwork Habi Manpar Durato (a) 11 ogram Manager		
	Cutting-edge biotechnologies	
10:15 -	Best practices of cutting-edge	Dr Ismail M. Abdelhamid
10:20	biotechnologies to address food security	Advisor at Programs and Projects Department, IOFS
10:20 -	Development and implementation of	Dr. Maxim Sutula, National Center for
10:30	RNA interference-based technology to	Biotechnology, Kazakhstan
	confer antiviral resistance in crop	
	species	
10:30 -	Crop Biotechnologies	Prof. Abdessamad Amine, Faculty of Sciences
10:40		and Technology, Morocco (Online)
10:40 -	Development of Disease Resistance in	Dr. Zulqurnain Khan, Assistant Professor,
10:50	Plants Using CRISPR/Cas Technology:	Institute of Plant Breeding and Biotechnology,
	A step Forward to Ensuring Food	MNS University of Agriculture, Pakistan
	Security	
10:50 –	Effects of plant growth-promoting	Dr. Imen Hemissi, Agronomic Sciences and
11:00	rhizobacterium (PGPR) on growth and	Techniques Laboratory (LR16 INRAT 05),
	antioxidant enzyme activities in salt-	National Institute of Agricultural Research of
	stressed durum wheat (Triticum durum)	Tunisia (INRAT), Carthage University, Ariana 2049, Tunisia
11:00 -	Biotechnological solutions to address	Dr. Muhammad Akhtar, Director General/Chief
11:10	climate change in Pakistan	Scientist Agri. (Research) AARI, Agriculture
		Department Punjab, Pakistan
11:10 –	Revolutionizing Agriculture: Gene	Dr. Sabin Aslam, Postdoc Fellow, National
11:20	Stacking and Genome Editing for	Center for Genome Editing (NCGE), D-8 Center
	enhanced crop resilience: CRISPR/Cas9	for Advanced Studies in Agriculture and Food
	Mediated Genetic Improvement of	Security, University of Agriculture Faisalabad,
11.00	Crops	Pakistan
11:20 –	Video	Dr. M. S. Kabir, Director General, Bangladesh

11:25	Present the status of the biotechnological advancement in Bangladesh	Rice Research Institute, Gazipur, Bangladesh.
11:25 -	Video	Ms Saba Yasin, Research Associate, Institute of
11:30	VIGS-mediated Functional Genomics:	Plant Breeding and Biotechnology, MNS
11.00	Finding New Genes for Developing	University of Agriculture, Pakistan
	Climate Resilient Crops	
11:30 –	Video	Mr, Nehal Khan, Research Associate, D-8 Centre
11:35	Social Issues in Gene Editing and	for Agriculture and Food Security, University of
	Public Acceptance	Agriculture Faisalabad, Pakistan
11:35 -	Panel discussion	
12:05		e manipulated in crop protection and production in
12.03	OIC food system?	manipulated in crop protection and production in
	·	f these technologies available?
	2. What's ready (in-hand) solution of these technologies available?3. What are regulatory and financial requirements for commercial use?	
	_ ,	•
	*	How can it be addressed through scientific and
	regulatory means?	
	Panelist: Dr. Maxim Sutula, Dr. Zulqurnain Khan, Dr. Imen Hemissi, Dr. Muhammad	
	Akhtar, Dr. Sabin Aslam	,
	Q&A/Discussion	
	Plant Gene Banking	
12:05 –	Sustainable plant gene banking in OIC	Ms Makpal Bulatova, Program Manager
12:15		5 15 1 7050
	geography	Programs and Projects, IOFS
12:15 -	geography Seed Center Efforts in Maintaining	Programs and Projects, IOFS Dr. Naser B. Almarri, Director General Seed
12:15 – 12:25	0 0 1 0	· ·
	Seed Center Efforts in Maintaining	Dr. Naser B. Almarri, Director General Seed
	Seed Center Efforts in Maintaining Plant Genetic Resources and Improving	Dr. Naser B. Almarri, Director General Seed Center, Seed Center & Plant Genetic Resources
12:25	Seed Center Efforts in Maintaining Plant Genetic Resources and Improving Seed & Seedlings	Dr. Naser B. Almarri, Director General Seed Center, Seed Center & Plant Genetic Resources Bank, KSA
12:25 12:25 -	Seed Center Efforts in Maintaining Plant Genetic Resources and Improving Seed & Seedlings Creation of an in vitro collection of an ornamental rare and endangered Malus	Dr. Naser B. Almarri, Director General Seed Center, Seed Center & Plant Genetic Resources Bank, KSA Nurtaza Aidana, scientific staff, National Center
12:25 12:25 -	Seed Center Efforts in Maintaining Plant Genetic Resources and Improving Seed & Seedlings Creation of an in vitro collection of an ornamental rare and endangered Malus niedzwetzkyana for conservation and	Dr. Naser B. Almarri, Director General Seed Center, Seed Center & Plant Genetic Resources Bank, KSA Nurtaza Aidana, scientific staff, National Center
12:25 12:25 – 12:35	Seed Center Efforts in Maintaining Plant Genetic Resources and Improving Seed & Seedlings Creation of an in vitro collection of an ornamental rare and endangered Malus niedzwetzkyana for conservation and reproduction	Dr. Naser B. Almarri, Director General Seed Center, Seed Center & Plant Genetic Resources Bank, KSA Nurtaza Aidana, scientific staff, National Center
12:25 12:25 - 12:35 -	Seed Center Efforts in Maintaining Plant Genetic Resources and Improving Seed & Seedlings Creation of an in vitro collection of an ornamental rare and endangered Malus niedzwetzkyana for conservation and reproduction Panel discussion	Dr. Naser B. Almarri, Director General Seed Center, Seed Center & Plant Genetic Resources Bank, KSA Nurtaza Aidana, scientific staff, National Center for Biotechnology, Kazakhstan
12:25 12:25 – 12:35	Seed Center Efforts in Maintaining Plant Genetic Resources and Improving Seed & Seedlings Creation of an in vitro collection of an ornamental rare and endangered Malus niedzwetzkyana for conservation and reproduction Panel discussion	Dr. Naser B. Almarri, Director General Seed Center, Seed Center & Plant Genetic Resources Bank, KSA Nurtaza Aidana, scientific staff, National Center for Biotechnology, Kazakhstan
12:25 12:25 - 12:35 -	Seed Center Efforts in Maintaining Plant Genetic Resources and Improving Seed & Seedlings Creation of an in vitro collection of an ornamental rare and endangered Malus niedzwetzkyana for conservation and reproduction Panel discussion 1. How can plant germplasm conservation for the food secure system of OIC	Dr. Naser B. Almarri, Director General Seed Center, Seed Center & Plant Genetic Resources Bank, KSA Nurtaza Aidana, scientific staff, National Center for Biotechnology, Kazakhstan
12:25 12:25 - 12:35 -	Seed Center Efforts in Maintaining Plant Genetic Resources and Improving Seed & Seedlings Creation of an in vitro collection of an ornamental rare and endangered Malus niedzwetzkyana for conservation and reproduction Panel discussion 1. How can plant germplasm conservation for the food secure system of OIC	Dr. Naser B. Almarri, Director General Seed Center, Seed Center & Plant Genetic Resources Bank, KSA Nurtaza Aidana, scientific staff, National Center for Biotechnology, Kazakhstan rvation, enhancement and utilization be improved? and regional level is needed to enabling policies
12:25 12:25 - 12:35 -	Seed Center Efforts in Maintaining Plant Genetic Resources and Improving Seed & Seedlings Creation of an in vitro collection of an ornamental rare and endangered Malus niedzwetzkyana for conservation and reproduction Panel discussion 1. How can plant germplasm conservation for the food secure system of OIC 2. What future partnership at global for efficient PGR management and	Dr. Naser B. Almarri, Director General Seed Center, Seed Center & Plant Genetic Resources Bank, KSA Nurtaza Aidana, scientific staff, National Center for Biotechnology, Kazakhstan rvation, enhancement and utilization be improved? and regional level is needed to enabling policies dutilization?
12:25 12:25 - 12:35 -	Seed Center Efforts in Maintaining Plant Genetic Resources and Improving Seed & Seedlings Creation of an in vitro collection of an ornamental rare and endangered Malus niedzwetzkyana for conservation and reproduction Panel discussion 1. How can plant germplasm conservation for the food secure system of OIC 2. What future partnership at global for efficient PGR management and	Dr. Naser B. Almarri, Director General Seed Center, Seed Center & Plant Genetic Resources Bank, KSA Nurtaza Aidana, scientific staff, National Center for Biotechnology, Kazakhstan rvation, enhancement and utilization be improved? and regional level is needed to enabling policies

NETWORKING LUNCH /PRAYER (13:00 – 14:15) TBC

TECHNICAL SESSION 2 – BREEDING TOOLS (14:15 – 16:10) Parallel session 1–Hall 1

https://us06web.zoom.us/j/81712264134?pwd=RnQ5UkNJTjJqSHEwMWRRQnlTYVBDZz09

Chair: Dr. Muhammad Akhtar, Director General/Chief Scientist Agri. (Research) AARI, Agriculture Department Punjab, Pakistan

Rapporteur: Dr. Maxim Sutula, National Center for Biotechnology, Kazakhstan

Session	Moderator: Prof Dr. Zulfiqar Ali, Directo	r Programs and Projects, IOFS	
14:15 –	Breeding climate SMART wheat	Prof Dr. Zulfiqar Ali, Director Programs and	
14:20		Projects, IOFS	
14:20 –	Role of Wild Wheat Relative to	Dr Nawal Abdo, Head of cereal and legume	
14:30	sustained food security	research division, National Agriculture Research	
		Center Baqa'a Jordan (Online)	
14:30 -	Proper strategies for shifting the	Dr Kanat Yermekbayev, Head of Molecular	
14:40	plant breeding from traditional to	Genetics and Genomics Laboratory, Institute	
	genomic selection should be	of Biotechnology and Ecology, Zhetysu	
	prioritised in Kazakhstan	University named after I Zhansugurov	
14:40 -	Development of SNP Based High	Dr. Shoaib Ur Rehman, Assistant Professor,	
14:50	Throughput Molecular Assay for Gene	Institute of Plant Breeding and Biotechnology,	
	(s) Conferring High Grain Yield in	MNS University of Agriculture, Pakistan	
	Wheat		
14:50 –	Features of androgenesis in anther	Assel Yesimseitova, Researcher, National Center	
15:00	cultures of varieties and lines of spring	for Biotechnology, Kazakhstan	
	wheat of Kazakh breeding		
15:00 –	Novel somatic hybrids and	Prof. Bushra Sadia, Director CABB, University	
15:10	autotetraploid breeding parents for citrus scion improvement	of Agriculture Faisalabad, Pakistan	
15:10 -	The influence of microbial biological	Rukavitsina I.V. Head of the Laboratory of	
15:20	products on the formation of	Microbiology of "SPC GF named after A.I.	
	symbiotic potential in the creation of	Barayev" LLP, Barayev, Kazakhstan	
15.20	new varieties of perennial herbs Panel discussion		
15:20 -		mber states be improved for sharing of experiential	
16:10	learnings, germplasm and capacity	-	
	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	ership to upscaling best practices of genetics and	
	breeding technologies?		
	Panelist: Dr Kanat Yermekhavev Dr	Shoaib Ur Rehman, Assel Yesimseitova , Prof.	
	Bushra Sadia, Rukavitsina I.V.	222222 22 2222222 22222 22222 22222 2222	
	Q&A/Discussion		
TECHN	TECHNICAL SESSION 3 – THEME: MICROBIAL BIOTECHNOLOGY (14:15 – 16:10)		

Parallel session 2– Hall 2

 $\underline{https://us02web.zoom.us/j/83673323816?pwd=NIV6cWVmMjRMUUhwRTJVbVI0RlMxdz09}$

Chair: Dr. Qamar Shakil, Senior Scientists, Punjab Agriculture Department, Pakistan

Rapporteur: Ms Saba Yasin, Research Associate, Institute of Plant Breeding and Biotechnology,

MNS University of Agriculture, Pakistan

Session Moderator: Mr Abdelaziz Hajjaji, Program Manager

14:15 –	Microbial Biotechnology interventions	Abdelaziz Hajjaji Program Manager at IOFS
14:20	to control transboundary pests and	
	diseases	
14:20 -	Microorganisms in the bioconversion of	Saniya Aktayeva, Laboratory of Genetics and
14:30	keratin wastes	Biochemistry of Microorganisms, National
		Center for Biotechnology, Kazakhstan
14:30 –	Biotechnology and modification of	Prof. Hisham ELShishtawy, Agricultural Genetic

	biological-based insecticides to cope with climatic changes.	Research Institute (AGERI), Agricultural Research Center (ARC), Ministry of Agriculture and Land Reclamation, Egypt (Online)	
14:50	Efficacy of Nanoparticles, Bacteria, and Signaling Molecules in Mitigation of Metal Toxicity in Cereals	Dr. Zahra Jabeen, Department of Biosciences, COMSATS University Islamabad, Pakistan.	
15:00	Unlocking the potential of biofilm- forming plant growth-promoting bacteria for growth and yield enhancement in wheat	Dr. Muhammad Naveed, ISES University of Agriculture Faisalabad Pakistan. (Online)	
15:10	Transforming Plant Growth and Disease Management using Microbiome Technologies	Dr Amalia Mohd Hashim, Department of Microbiology, Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malaysia, Malaysia	
	Harnessing the Plant Microbiome to Combat Climate Change	Prof. Dr Shahid Mukhtar, Co-Director, Genetics and Genomic Sciences Undergraduate Program, The University of Alabama at Birmingham, USA (Online)	
15:30	Monitoring of antibiotic resistance of Staphylococcus aureus strains and correlation of phenotype with the presence of Nuc, blaZ, ermC and TetK genes.	Mukanov Tamerlan, A. Baitursunov Kostanay Regional University, Kazakhstan	
15:30 -	Panel discussion		
16:10	Plant-microbe relationship provides sustainable solutions for crop production and crop protection.		
	-	emented through the contribution of governments,	
	R&D organizations, entrepreneurs	achieve food security? Success stories or future	
	endeavors.	achieve food security: Success stories of future	
		Jabeen, Dr Amalia Mohd Hashim, Mukanov	
	Tamerlan Q&A/Discussion		
		10.00 22.00	
	DINNER – 19:00-22:00 Venue: Wyndham Garden		



<u>WEDNESDAY</u> 5 July 2023 / 09:00-17:00



INTRODUCTION & SESSION 4 – THEME: FOOD BIOTECHNOLOGY (09:00-10:40) Parallel session 1– Hall 1

https://us06web.zoom.us/j/81712264134?pwd=RnQ5UkNJTjJqSHEwMWRRQnlTYVBDZz09

Chair: Dr. Shuga Manabayeva, Head of Plant Genetic Engineering Lab, NCB, Kazakhstan.

Rapporteur: Dr. Sabin Aslam, National Center for Genome Editing (NCGE), D-8 Center for Advanced Studies in Agriculture and Food Security, University of Agriculture Faisalabad, Pakistan

Session Moderator: Ms Shakhlo Atabaeva Program Manager

	Wioderator. Wis Shakino Atabaeva Frogra	
09:00	Introductory Remarks for Day 2	Moderator
_		
09:05		
09:05	Food Safety and Regulation of GMs	Ms Shakhlo Atabaeva, Program Manager IOFS
_		
09:10		
09:10	Genetically engineered enzyme	Assel Kiribayeva, National Center for
_	preparations for the processing of	Biotechnology, Kazakhstan
09:20	plant carbohydrates	
09:20	Cloning and expression of	Doç. Dr. Aysun Özçelik, Akdeniz Üniversitesi
_	Streptomyces mobaraensis pro-	Ziraat Fakültesi, Tarımsal Biyoteknoloji Bölümü,
09:30	transglutaminase enzyme in Pichia	Dumlupınar Bulvarı Kampüs 07058, Antalya,
	Pastoris	Türkiye (Online)
09:30	Veterinary and sanitary assessment of	Askhat Zhumabaev, Zhangir Khan West
_	the quality and safety of fish in WKR	Kazakhstan Agrarian Technical University,
09:40	reservoirs	Kazakhstan
09:40	Biofortification in management of	Prof. Dr. Umar Farooq, Professor and Faculty
_	malnutrition	Coordinator, Faculty of Food Science &
09:50		Nutrition, MNS-University of Agriculture,
		Multan, Pakistan (Online).
09:50	The use of recombinant proteins in the	Zhakhina A., S. Seifullin Kazakh Agrotechnical
_	development of diagnostic tests for the	Research University, Kazakhstan
10:00	detection of Campylobacter jejuni	
10:00	Diagnostic markers for authenticity and	Dr. Hossam Rushdi, Associate Professor of
_	quality of animal products	Animal Breeding and Genetics, Cairo University,
10:10		Giza, Egypt (Online).
10:10	Designing ICA test for the detection of	Zhagipar Fariza, S. Seifullin Kazakh
_	antibiotics in livestock products	Agrotechnical Research University, Kazakhstan
10:20		
10:20	Video	Zhiger Akishev, National Center for
_	New approaches of camel and bovine	Biotechnology, Kazakhstan
10:25	chymosins in cheesemaking	
10:25	Panel discussion	

1. How to address malnutrition in the OIC geography through functional foods? 2. Addressing quality standards is challenging – what are solutions and opportunities? 10:40 3. Concerns about healthy food and food security – innovative ideas/solutions. Panelist: Kiribayeva Assel, Zhumabaev Askhat, Prof. Dr. Umar Farooq, Zhakhina A., Dr. Hossam Rushdi, Zhiger Akishev Q&A/Discussion *NETWORKING COFFEE* (10:40 – 11:00) INTRODUCTION & SESSION 5 THEME: ANIMAL BIOTECHNOLOGY (09:00 – 12:00) Parallel session 2–Hall 2 https://us02web.zoom.us/j/83673323816?pwd=NIV6cWVmMjRMUUhwRTJVbVI0RlMxdz09 Chair: Prof. Bushra Sadia, Director CABB, University of Agriculture Faisalabad, Pakistan Rapporteur: Dr. Amalia Mohd Hashim, Department of Microbiology, Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malaysia, Malaysia Session Moderator: Ms. Amina Akhmetzhanova, Program Manager, IOFS 09:00 Introductory Remarks for Day 2 **Moderator** 09:05 09:05 **IOFS Livestock Ecosystem Program** Ms. Amina Akhmetzhanova Program Manager, IOFS 09:15 09:15 Best Practices Animal Ms. Rasha Aljehani in Biotechnology for Improved Livestock Program Manager, IOFS Health and Productivity 09:25 09:25-Population Structure Genetic Dr. Yerkebulan Talzhanov and Diversity of Kazakh Horses Kazakh Research Institute of Animal Husbandry 09:35 and Fodder Production (online) 09:35 Sheep Selection and Breeding Mr. Bolat Seisenov **Export-Oriented Production** Chairman of Executive Board, "Asyl Tulik" Republican Center for Breeding in 09:45 Animal Husbandry Panel discussion 09:45 1. What are the key challenges and potential solutions to integrating traditional breeding methods with modern biotechnology practices? 10:40 2. With the rise of animal biotechnology, what steps can be taken to ensure that traditional breeds and the genetic diversity they represent aren't lost? 3. What are the most significant technological advancements in animal biotechnology that could contribute to bridging the gap between developed and developing countries in animal genetic resources management and conservation? 4. From a bioethical perspective, what considerations must be taken into account in the deployment of animal biotechnology for livestock improvement, especially in the context of export-oriented production? Panelist: Ms. Rasha Aljehani, Dr. Yerkebulan Talzhanov, Mr. Bolat Seisenov Q&A/Discussion

NETWORKING COFFEE (10:40 – 11:00)

11:00	An Overview of Animal Breeding	Ms. Amina Akhmetzhanova		
-	Programs in the OIC Geography	Program Manager, IOFS		
11:10				
11:10	AU-IBAR Programs and Projects	Dr. Mary Mbole-Kariuki		
_	Global Plan of Action for Sustainable Use of Animal Genetic Resources in	Technology Innovation and Skill Development Expert, African Union-Interafrican Bureau for		
11:20	Africa	Animal Resources (AU-IBAR) (online)		
11:20	Lab Grown Biotech or Natural Meat:	Dr. Qamar Shakil		
- 11:30	Choices in the Perspectives of Climate Change and One Health	Punjab Agriculture Department, Pakistan		
11:30	ILRI Livestock Genetics Program	Dr. Okeyo Mwai		
_	Activities	Deputy Program Leader of Livestock Genetics Program, International Livestock Research		
11:40		Institute (ILRI) (online)		
11:40	Pathways to Reduce the Gap Between	Prof. M'Naouer Djemali		
-	Developing and Developed Countries	The First Director-General and Co-founder of the National Gene Bank of Tunisia		
11:50	in the Field of Animal Genetic Resources Management and	National Coordinator of Animal Genetic		
	Resources Management and Conservation	Resources-Tunisia, Animal Genetic and Feed Resources Research Lab., INAT, University of		
		Carthage (online)		
11:50	Panel discussion			
12:10	1. Given the current progress and barriers in sustainable animal gene banking, particularly in OIC geography, how can we bridge the gap between developing and			
12.10	developed countries in the field	d of animal genetic resources management and		
	conservation?" 2 What future innovations or tree	nds in animal biotechnology do you anticipate,		
		ing the productivity and health of livestock while		
	1 0	and natural meat compare in terms of sustainability,		
	-	change and the 'one health' perspective?		
	4. What can we do more for partnership to upscaling best practices of genetics and breeding technologies?			
	Ŭ .	Qamar Shakil, Dr. Okeyo Mwai, Prof. M'Naouer		
	Djemali Q&A/Discussion			
SESSIO	ON 6 – VISIT to NCB Facilities (12:10-12	2:50)		
- C	NCB laboratories			
This vis	it will be provided by NCB Managing Di	This visit will be provided by NCB Managing Director Dr. Vyacheslav Ogay and supported by the IOFS Program manager Bakytzhan Arystanbek		
IOEC D	ogram managar Palzytzhan Amystanhal			

12:10	Video presentations/ Visit to NCB
_	
13:00	
NETWORKING LUNCH /PRAYER (13:00 – 14:20)	

SESSION 7 – POLICY AND ROUNDTABLE

Hall 1

https://us06web.zoom.us/j/81712264134?pwd=RnQ5UkNJTjJqSHEwMWRRQnlTYVBDZz09

Session Moderators: Dr. Zulqurnain Khan, Institute of Plant Breeding and Biotechnology, MNS University of Agriculture, Pakistan

Ms Khazima, Program Manager, COMSTECH

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14:20	Enabling policy environment to	Prof Asif Kamran, D-8 Centre for Agriculture
_	promote the adoption of new	and Food Security, University of Agriculture
14:30	technologies for food security	Faisalabad, Pakistan
14:30	Panel discussion on recommendation	Prof. Vyacheslav Ogay, NCB, Kazakhstan
_	draft – Green and microbial	Dr. Muhammad Akhtar, Director General/Chief
15:15	Biotechnology	Scientist Agri. (Research) AARI, Agriculture
13.13		Department Punjab, Pakistan
		Dr. Qamar Shakil, Senior Scientists, Punjab
		Agriculture Department, Pakistan
		All panelists
		Ms Helen Browning, Chief Executive, Soil
		Association UK
15:15	Panel discussion on recommendation	Prof. Bushra Sadia, Director CABB, University
_	draft – Animal and Food	of Agriculture Faisalabad, Pakistan
15:45	Biotechnology	Dr. Shuga Manabayeva, Head of Plant Genetic
13.43		Engineering Lab, NCB, Kazakhstan.
		All panelists

NETWORKING COFFEE -(15:45-16:00)

SESSION 8 – DISCUSSIONS AND CLOSING

Hall 1

https://us06web.zoom.us/j/81712264134?pwd=RnQ5UkNJTjJqSHEwMWRRQnlTYVBDZz09

Session Moderator: Prof. Dr. Zulfigar Ali, IOFS Director of Programs and Projects Department

16:00	Presentation of recommendations by so		
-	Prof. Vyacheslav Ogay, NCB, Kazakhsta	n eneral/Chief Scientist Agri. (Research) AARI,	
16:40	Agriculture Department Punjab, Pakistan		
	Dr. Qamar Shakil, Senior Scientists, Pun		
	Prof. Bushra Sadia, Director CABB, University of Agriculture Faisalabad, Pakistan		
	Dr. Shuga Manabayeva, Head of Plant Genetic Engineering Lab, NCB, Kazakhstan.		
	All dignitaries, panelists and participants		
	Reflection of Partic	ipants on the Forum	
16:40	Words of wisdoms from dignitaries	H.E. Mr. Tidjani, Abdoul Kadri	
_		H.E. Prof. M. Iqbal Choudhary	
16:55		H.E. Prof. Yerlan A. Baidaulet	
16:55	Vote of Thanks	Director PPD, IOFS	
_			
17:00			
17:00	Group Photo	All participants	
END of FORUM			