## **PROGRAM**

## of the International Scientific Conference "USE OF NATURAL AND MODIFIED CLAY MINERALS FOR THE ADSORPTION AND DETOXIFICATION OF CHEMICAL POLLUTANTS"

(November 20, 2025, Tula, Russia)

## https://tsput.ktalk.ru/jb1ky2j8itlc

9.00 (Moscow time, Russia)	Opening of the conference.
11.30 (Chennai time, India)	Welcoming speech by
14.00 (Beijing time, China)	- Prof. Romashina Ekaterina Yu., Vice-Rector for Research,
	Tula State Lev Tolstoy Pedagogical University, Russia
	- Prof. S. Hemalatha, Dean, School of Life Sciences, B.S.
	Abdur Rahman Crescent Institute of Science and Technology
	(India)

	PART I 9.20 (MT), 11.50 (ChT), 14.20 (BT)			
	Conveners: Dr. Leonid Perelomov, Architha Vijayalakshmi			
MT	Speaker	Title of the presentation	Type of presentation	
9.40-	Gertsen M.M.,	LEAD CATIONS SORPTION BY	Plenary presentation	
9.55	Tula State Lev	ORGANOCLAYS BASED ON		
	Tolstoy	BENTONITE AND DIFFERENT		
	Pedagogical	TYPES OF SURFACTANTS		
	University,			
	Laboratory of			
	Biogeochemistry			
9.55-	Vijayalakshmi	ENHANCED LEAD REMOVAL	Plenary presentation	
10.10	Architha,	FROM CONTAMINATED		
	B.S. Abdur	WATER USING LAURAMINE		
	Rahman	OXIDE-MODIFIED BENTONITE		
	Crescent			
	Institute of			
	Science and			
	Technology			
10.10-	Matichenkov	MANAGING CADMIUM	Plenary presentation	
10.25	V.V.,	MOBILITY IN SOIL BY		
	Institute of	MONOSILICIC ACID		
	Fundamental	APPLICATION		
	Problems of			
	Biology of the			
	Russian			
	Academy of			
10.05	Sciences	GOLGENIER LEVON DERENE LE	71	
10.25-	Hongguang	CONCENTRATION-DEPENDENT	Plenary presentation	
10.40	<b>Zheng</b> , Beijing Normal	MODULATION OF		
	University,	HORIZONTAL GENE TRANSFER		
	College of	BY IRON OXIDES: MOLECULAR		
	Water Sciences	MECHANISMS TARGETING		
	water sciences			

		DI ACMIDO AND DECIDIENT	
		PLASMIDS AND RECIPIENT	
46.15		BACTERIA	
10.40-	Bocharnikova	SURFACE MODIFICATION OF	Plenary presentation
10.55	<b>E.A.</b> ,	MINERALS WITH MONOSILICIC	
	Institute of	ACID TO ENHANCE HEAVY	
	Fundamental	METAL SORPTION	
	Problems of		
	Biology of the		
	Russian		
	Academy of		
	Sciences		
10.55-	Kathavarayan	ENHANCED ADSORPTION OF	
11.05	Manikandan,	ANIONIC DYES FROM	
	B.S. Abdur	AQUEOUS SOLUTION USING	
	Rahman	CETYLTRIMETHYLAMMONIUM	
	Crescent	BROMIDE (CTAB) MODIFIED	
	Institute of	CLAY	
	Science and		
	Technology		
11.05-	Khaidanov	OXYTETRACYCLINE	
11.15	I.V., Tula State	ADSORPTION BY TWO-LAYER	
	Lev Tolstoy	AND THREE-LAYER CLAY	
	Pedagogical	MINERALS	
	University,		
	Laboratory of		
	Biogeochemistry		
11.15-	Kai Yang,	ULTRASOUND-ASSISTED	Plenary presentation
11.30	Beijing Normal	ADSORPTION OF CONGO RED	
	University,	FROM AQUEOUS SOLUTION	
	College of	USING MG–AL–CO3 LAYERED	
	Water Sciences	DOUBLE HYDROXIDE	
11.30-	Shaik Fariha	SYNERGISTIC ROLE OF	
11.40	Kaunain,	BIOPOLYMERS AND MODIFIED	
	B.S. Abdur	CLAYS IN THE	
	Rahman	DETOXIFICATION OF	
	Crescent	ANTIBIOTIC RESIDUES	
	Institute of		
	Science and		
	Technology		
11.40-	Hephziba X.,	FUNCTIONALIZED BENTONITE-	
11.50	B.S. Abdur	BASED COMPOSITE FOR	
	Rahman	EFFICIENT DEGRADATION OF	
	Crescent	BPA	
	Institute of		
	Science and		
	Technology		
11.50-	Manasa O N	SUSTAINABLE REMEDIATION	
12.00	B.S. Abdur	FOR CONTAMINATED WATER	
	Rahman	USING BENTONITE-	
	Crescent	AGROWASTE-NANOHYBRID	
l	Institute of	COMPOSITES FOR HEAVY	

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	Chita State	MECHANOACTIVATED	
	Medical	MINERAL-PLANT SORBENTS	
	Academy	(POLYHEPAN-KAOLINITE	
	neadenry	COMPOSITES)	
14.00-	Iovcheva A.D.,	ASSESSMENT OF THE	Plenary presentation
14.15	Institute of	ABSORPTION CAPACITY OF	Tremary presentation
1	Physico-	SOILS AS NATURAL CLAY	
	Chemical and	CONTAINING SORBENTS FOR	
	Biological	COPPER IONS	
	Problems in Soil		
	Science of the		
	Russian		
	Academy of		
	Sciences		
14.15-	Nevedrov N.P.,	MODELING STABLE SOIL	Plenary presentation
14.30	Kursk State	STRUCTURES IN URBAN	richary presentation
14.50	University	ECOSYSTEMS TO IMPROVE	
	Chiversity	THEIR ENVIRONMENTAL	
		SAFETY	
14.30-	Sokolov A. A.,	THE ROLE OF CLAY MINERALS	Plenary presentation
14.45	Gelendzhik	IN THE IMMOBILIZATION OF	Tienary presentation
14.40	Branch of the	HEAVY METALS IN THE	
	Southern	RESTORATION OF	
	Federal	RECLAMATED TAILING AREAS	
	University		
14.45-	Ostroumov	ENVIRONMENTAL EDUCATION	Plenary presentation
15.00	S.A.,	AND IMPROVEMENT OF	J F The state of t
	Lomonosov	TRAINING THE PERSONNEL IN	
	Moscow State	THE FIELD OF REMEDIATION	
	University,	OF CHEMICALLY	
	Faculty of	CONTAMINATED	
	Biology	ENVIRONMENTAL OBJECTS,	
		INCLUDING WATER BODIES	
15.00-	Mindubaev	THE SECOND DECADE OF	
15.10	A.Z.,	RESEARCH ON THE	
	FRC KazRC	BIODEGRADATION OF	
	RAS	ECOTOXICANTS	
15.10-	Lasareva E.V.,	INFLUENCE OF NATURAL	
15.20	Lomonosov	MODIFIERS ON THE STABILITY	
	Moscow State	OF BENTONITE DISPERSIONS.	
	University,		
	Faculty of		
	Chemistry		
15.20-	Kaledin Yu.V.	ADSORPTION OF CRUDE OIL	
15.30	Tula State Lev	BY ORGANOMINERAL	
	Tolstoy	SYSTEMS BASED ON	
	Pedagogical	BENTONITE AND DIFFERENT	
	University	TYPES OF SURFACTANTS	
15.30-	Lebedev P.V.,	ADSORPTION OF	
15.40	Tula State Lev	OXYTETRACYCLINE BY	
	Tolstoy	NATURAL BENTONITE	

	Pedagogical	
	University	
15.40-	Murentseva V.	TOXICOLOGICAL
15.50	<b>A.</b> , Tula State	EVALUATION OF COMPLEXES
	Lev Tolstoy	OF CLAY MINERALS WITH
	Pedagogical	STREPTOCIDE IN THE
	University	RELATION TO DAPHNIA
		MAGNA
15.50-	Nikishina	ADSORPTION OF ZINC IONS BY
16.00	M.B.,	BENTONITE MODIFIED WITH
	Tula State Lev	SURFACTANTS AND SILVER
	Tolstoy	COLLOIDS
	Pedagogical	
	University	
	•	CLOSING OF THE CONFERENCE

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