

PROGRAM

	THURSDAY, 23 NOVEMBER
	TSU, Tchavtchavadze Ave.1, Bld.I, ROOM 107
12:00 – 13:00	Registration, Refreshments
13:00 – 13:30	<p>Welcoming Remarks Dr. G. Tatishvili, Director of R. Agladze Institute of Inorganic Chemistry and Electrochemistry of Iv. Javakhishvili Tbilisi State University (IICE of TSU) Dr. E. Astakhishvili, Vice-Rector for Research of TSU Acad. V. Tsitsishvili, Academician of the Georgian National Academy of Science, P. Melikishvili Institute of Physical & Organic Chemistry of TSU, Tbilisi, Georgia</p>
	NANO PROCESSES AND NANOTECHNOLOGIES, ROOM 107
	<p>Chair:</p> <p>Dr. G. Tatishvili, R. Agladze Institute of Inorganic Chemistry and Electrochemistry of TSU, Tbilisi, Georgia</p> <p>Dr. S. Bellucci, INFN-Laboratori Nazionali di Frascati, Frascati, Italy</p>
13:30 – 14:00	Invited speaker: Dr. S. Bellucci , INFN-Laboratori Nazionali di Frascati, Frascati, Italy
	INNOVATIVE 2D MATERIAL FOR NANOELECTRONICS, MOLECULAR SENSING, OPTICAL PROPERTIES AND CATIONIC POLLUTANT REMOVAL FROM AQUEOUS SOLUTIONS
14:00 – 14:20	Dr. N. Maisuradze , Iv. Javakhishvili Tbilisi State University, Division of Immunology and Microbiology, Tbilisi, Georgia
	MULTIFUNCTIONAL NANOSYSTEM: AN ADVANCED PLATFORM FOR CANCER TREATMENT
14:20 – 14:40	Invited speaker: Dr. N. Ludwig , Aerial, Illkirch, France
	UTILIZATION OF IRRADIATION TECHNOLOGY FOR MATERIAL MODIFICATION. CURRENT STATUS AND FUTURE CHALLENGES (on-line)
14:40 – 15:00	Invited speaker: Dr. S. Khalilova , Institute of Catalysis and Inorganic Chemistry, Baku, Azerbaijan
	SYNTHESIS AND CHARACTERIZATION OF IRON-CONTAINING PP AND HDPE BASED COMPOSITES
15:00 – 16:00	Lunch
	GREEN CHEMISTRY, ROOM 107
	<p>Chair:</p> <p>Acad. V. Tsitsishvili, Georgian National Academy of Sciences, P. Melikishvili Institute Of Physical And Organic Chemistry of TSU, Tbilisi, Georgia</p> <p>Acad. D. Tagyev, Institute of Catalysis and Inorganic Chemistry, Baku, Azerbaijan</p>
16:00 – 16:30	Invited speaker: Dr. S. Osmanova , Institute of Catalysis and Inorganic Chemistry, Baku, Azerbaijan;

	EFFECT OF CALCINATION TEMPERATURE ON THE SURFACE STRUCTURE AND ELEMENTAL COMPOSITION OF MnO _x -Na ₂ WO ₄ /BENTONITE CATALYST FOR OXIDATIVE COUPLING OF METHANE
16:30– 16:50	Invited speaker: Acad. V. Tsitsishvili , Georgian National Academy of Sciences , P. Melikishvili Institute of Physical & Organic Chemistry of TSU, Tbilisi, Georgia, Tbilisi, Georgia
	REASONS FOR USING NATURAL ZEOLITES OF GEORGIA
16:50-17:00	Dr. N. Mirdzveli , P. Melikishvili Institute of Physical & Organic Chemistry of TSU, Tbilisi, Georgia
	IDENTIFICATION OF IMPURITIES IN PAPER MADE FROM WASTE PAPER
17:00 – 17:20	Invited speaker: Dr. G. Maisuradze , Baker Laboratory of Chemistry and Chemical Biology, Cornell University, Ithaca, NY USA (on-line)
	INVESTIGATION OF AMILOID FIBRIL FORMATION BY COARSE – GRAINED MOLECULAR DYNAMICS
17:20 – 17:40	Invited speaker: M.Sc. S. Suleymanova , Institute of Catalysis and Inorganic Chemistry, Baku, Azerbaijan
	THE INFLUENCE OF ULTRASOUND ON THE DLS, FTIR AND EMR SPECTRA OF A LIQUID-PHASE CATALYTIC SYSTEM FOR THE HYDROXYLATION OF PHENOL INTO DIHYDROXYBENZENES WITH HYDROGEN PEROXIDE IN THE PRESENCE OF IRON-CONTAINING MORDENITE PARTICLES
17:40 – 18:00	Invited speaker: Dr. A. Rustamova , Institute of Catalysis and Inorganic Chemistry, Baku, Azerbaijan
	THERMAL STABILITY OF HETERONUCLEAR Fe-Mn(Co) CYCLOPENTADIENYL COMPLEXES ADSORBED ON ALUMINA AND THERMODYNAMICS OF THEIR DECOMPOSITION
18:00 – 18:30	Coffee break
12:00-18:00	Poster Session, Hall
	FRIDAY, 24 NOVEMBER TSU, Tchavtchavadze Ave.1, Bld.I
9:30 – 10:00	Registration
	ENERGY SOURCES, CONVERSION AND STORAGE, ROOM 107
	Chair: Dr. T. Marsagishvili , R. Agladze Institute of Inorganic Chemistry and Electrochemistry of TSU, Tbilisi, Georgia Prof. V. Beschkov , Leading Researcher, Institute of Chemical Engineering, Bulgarian Academy of Sciences, Sofia, Bulgaria
10:00 – 10:30	Invited speaker: Dr. V. Beschkov , Institute of Chemical Engineering, Bulgarian Academy of Sciences, Sofia, Bulgaria
	CARBON-FREE CHEMICAL SOURCES OF ENERGY: THE HYDROGEN
10:30 – 11:00	Invited speaker: Dr. F. Lisdat . Biosystems Technology, Institute of Applied Life Sciences and Biomedical Technologies, Technical University of Applied Sciences Wildau, Wildau, Germany

	LEARNING FROM NATURE - APPLICATION OF PHOTO-ACTIVE BIOMOLECULES IN BIOHYBRID SYSTEM
11:00 – 11:15	Dr. L. Chobaniani , Georgian Technical University, Institute TECHINFORMI, Tbilisi, Georgia (on-line)
	METHODOLOGY FOR CREATING A SYSTEM OF MONITORING AND EVALUATING SCIENTIFIC AND TECHNICAL PROJECTS
11:15 – 11:30	Dr. G. Kaishauri , Biotechnological Centre of Georgian Technical University, Tbilisi, Georgia (on-line)
	SWEET SNACKS FROM THE SECONDARY RAW MATERIALS OF GRAPEFRUIT
11:30 – 11:45	G. Khachidze (PhD student), Biotechnological Centre of Georgian Technical University, Tbilisi, Georgia (on-line)
	MODELING IN A FACTORY MANNER
11:45 - 12:00	Dr. L. Ghurchumelia , R. Agladze Institute of Inorganic Chemistry and Electrochemistry of TSU, Tbilisi, Georgia
	COMPOSITE POWDERS OF NATURAL RAW MATERIALS FOR PRODUCTION OF NEW TYPE, ENVIRONMENTALLY SAFE FIRE-PROTECTIVE MATERIALS
12:00 – 12:30	Coffee break
	FUNDAMENTAL AND TECHNOLOGICAL ASPECTS OF PROCESSING OF MINERAL PRODUCT AND SECONDARY RAW MATERIALS, ROOM 107
	Chair: Dr. T. Nakano , Institute for Catalysis Hokkaido University, Japan Acad. R. Katsarava , Georgian National Academy of Sciences, Institute of Chemistry & Molecular Engineering Agricultural University of Georgia, Tbilisi, Georgia
12:30 – 12:45	Prof. M. Rukhadze , Department of Chemistry, Exact and Natural Science Faculty of TSU, Tbilisi, Georgia
	EFFECT OF ADDITIVES ON THE PERCOLATION OF WATER /AOT/ DECANE REVERSE MICROEMULSION
12:45-13:00	Dr. I. Khutsishvili , Elf. Andronikashvili Institute of Physics of TSU, Tbilisi, Georgia
	CREATION AND STUDY OF G4 PAMAM DENDIMERS ENCAPSULATED WITH SILVER AND GOLD ATOMS
13:00 – 13:30	Invited speaker: Prof. T. Nakano , Institute for Catalysis Hokkaido University, Japan
	NON – CLASSICAL CHIRALITY OF POLYMERS
13:30 – 14:00	Dr. N. Zavrashvili , Institute of Chemistry and Molecular Engineering, Agricultural University of Georgia, Kakha Bendukidze University Campus, Tbilisi, Georgia
	HYBRID CATIONIC POLYMERS BASED ON NON- PROTEINOGENIC α -AMINO ACID
14:00 – 14:30	Dr. F. Sharifian Jazi , School of Science and Technology, The University of Georgia, Tbilisi, Georgia
	RECENT INNOVATIONS IN SYNTHESIS TECHNIQUES OF NANO BIOACTIVE GLASS FOR TISSUE ENGINEERING AND IMPLANT APPLICATIONS: A COMPREHENSIVE REVIEW

14:30 – 14:45	Dr. S. Khutsishvili , R.Agladze Institute of Inorganic Chemistry and Electrochemistry of TSU, Tbilisi, Georgia
	FORMATION OF MAGNETIC METAL-CONTAINING POLYMER NANOCOMPOSITES AND THEIR PROSPECTS
14:45 – 15:00	Dr. T. Chachibaia , Iv. Javakhishvili Tbilisi State University, David Tvildiani Medical University, Tbilisi, Georgia
	CONTEMPORARY ISSUES OF NANOTECHNOLOGIES IN THE DRUG DEVELOPMENT OF PHARMACO CHEMISTRY AND INTRODUCTION OF CURRICULUM IN MEDICINE
15:00 – 16:00	Lunch
	PROMOTION AND COMMERCIALIZATION OF SCIENTIFIC INNOVATIONS, ROOM 107
	Chair: Prof. S. Mrozowska , Vice-Rector for Innovation and Liaison with Business and the Community, Associate professor at the Institute of Political Science at the University of Gdansk, Poland Prof. M. Tsatsatsanashvili , Georgian Technical University, Director of Teaching-Research Scientific Center, Tbilisi, Georgia
16:00 – 16:30	Invited speaker: Dr. M. Kutsia , Head, Department of Inventions and New Varieties and Breeds. National Intellectual Property Center of Georgia Sakpatenti https://www.sakpatenti.gov.ge/ka
	Activities of National Intellectual Property Center of Georgia “SAKPATENTI” Supporting Innovation
16:30 – 17:00	Dr. G. Giorgobiani , Muskhelishvili Institute of Computational Mathematics of the Georgian Technical University, Tbilisi, Georgia
	MATHEMATICS OF ARTIFICIAL INTELLIGENCE
17:00 – 17:20	Invited speaker: Prof. M. Nalbandyan , Institute of Geological Sciences of the National Academy of Sciences of the Republic of Armenia, Yerevan Haybusak University, Yerevan, Armenia
	GEO-ECOLOGICAL ASPECTS OF THE HARMONIZATION PROCESS IN THE ECONOMICS-ECOLOGY SYSTEM DURING THE ENERGY TRANSITION PERIOD
17:20 – 17:40	Dr. K. Karchkhadze , P. Melikishvili Institute of Organic Chemistry of TSU, Tbilisi, Georgia
	DEVELOPMENT OF BIODIESEL PRODUCTION FROM WASTE BIOMASS IN GEORGIA
17:40– 18:00	Invited speaker: Dr. L. Jioshvili , World Bank Consultant, Technology Transfer Pilot Program, Georgia's Innovation and Technology Agency (GITA), Tbilisi, Georgia
	Technology Transfer in Georgia: Problems and Opportunities
18:00 – 18:30	Coffee break
12:00-18:00	Poster Session, Hall
18:00 – 18:30	CLOSING THE CONFERENCE, ROOM 107