

**Applied Biosciences and Biotechnology 2019
2nd International School/Conference**

PROGRAM

Conference

April 4-5, 2019

April 4th

Venue: Tbilisi State University/ Chachavadze Ave.1; 1st building, Foyer of event hall

9:00– 10:00	Registration	
10:00- 10:30	<p>Opening ceremony, greetings</p> <p>George Sharvashidze, Rector of Tbilisi State University</p> <p>Kakhaber Kordzaia, Rector of Caucasus International University</p> <p>George Kvesitadze, President of Georgian National Academy of Sciences</p> <p>David Prangishvili, Chair of Scientific Committee , Institut Pasteur, Paris, France</p> <p>Paata Imnadze, Deputy Director of NCDC, Head of Lugar Centre</p> <p>Zviad Gabisonia, Director General of Shota Rustaveli National Science Foundation of Georgia</p>	
10:30 – 11:00	Welcome coffee	
Time	Topic	Lecturer
11:00 – 11:30	How to package DNA: lessons from viruses of hyperthermophilic archaea	David Prangishvili , Institut Pasteur, Paris, France
11:30 – 12:00	Use of <i>Bacteroides fragilis</i> phages for prophylaxis of colon cancer: Assessment of its potential	Nina Chanishvili , G. Eliava Institute of Bacteriophages, Microbiology and Virology
12:00 – 12:30	Next generation sequence-based applications - Future of Genomics	Adam Kotorashvili , NCDC/Lugar Center, Georgia
12:30 –13:00	Whole genome sequencing and comparative genomics of four Georgian grape cultivars	Ia Pipia , Agricultural University of Georgia

13:00 –13:30	Virus attachment to surfaces: Assessing relative contributions of electrostatic, van der Waals, and acid-base interactions	Volodymyr Tarabara , Michigan State University, USA
13:30- 14:00	Lunch	
14:00 – 14:30	Precision irrigation under full and deficit irrigation for adaptation to climate Change	Pantazis Georgiou , Aristotle University of Thessaloniki, Greece
14:30 – 15:00	Molecular plant physiology: the significance of plant nutrition in supporting human nutrition	Christos Dordas , Aristotle University of Thessaloniki, Greece
15:30 – 16:00	Molecular events involved in the acquisition of fertilizing ability in mammalian male gametes	Nicola Bernabò , University of Teramo, Italy
15:30 – 15:45	Coffee break	
15:45 – 16:15	Nanomaterial-based sensing and biosensing of phenolic compounds and related antioxidant capacity in food.	Dario Compagnone , University of Teramo, Italy
16:15-16:45	Preserving freshness on processed vegetables using emerging processing technologies"	Federico Gomez , Lund University, Sweden
16:45- 17:00	Closing remarks	Nino Inasaridze , TSU
April 5th		
Venue: Caucasus International University, Chargali str. 73		
9: 00 – 10: 00	Registration	
10:00 –10:20	Epigenetic modeling of antitumor immune response.	Nunu Mitskevich , Tbilisi State University, Georgia
10:20 -10:40	The role of Orexin (Hypocretin)-containing Hypothalamic Neurons in promotion Come Out from Acute Comatose State and Deep Barbiturate Anesthesia, through the Acceleration of Sleep-Wakefulness Cycle (SWC) Recovery	Vera Tsomaia , Caucasus International University, I. Beritashvili Center of Experimental Biomedicine
10:40– 11:00	Study of extending fresh meat shelf life with organic acids action in refrigerated condition.	Zurab Kuchukashvili , Tbilisi State University, Georgia
11:00– 11:20	Georgian traditional "Qvevri Wines" - functional drinks with unique technology	Olani Gotsiridze , Caucasus International University
11:20 – 11:40	Georgian Technology of Bio Wine Production	Nugzar Baghaturia , Mariam Loladze Georgian Technical University, Institute of Food Industry
11:40 – 12:00	Biologically Active Substances in Red Dessert Wine Prepared via Innovative Technology	Inessa Kekelidze , Nana Ebelashvili, Murman Japaridze,

		Institute of Viticulture and Oenology, Agricultural University of Georgia
12:00- 12:30	Coffee break	
12:30 – 13:00	BMSB Biology, damage, behavior and Control recommendations - Turkey experience	Temel Gokturk, Artvin Coruh University, Turkey
13:00– 13:30	The development of effective monitoring and management practices against an invasive insect pest of agricultural crops brown marmorated stink bug, <i>Halyomorpha halys</i> , (Stal) in Eastern United States.	Grzegorz Krawczyk, Pennsylvania State University, USA
13:30 –14:00	Attractiveness of semiochemical stimuli paired with field- deployed traps of <i>H. halys</i> in Europe and the USA - Results of a multinational trapping study	Gábor Véték, Szent István University, Hungary
14:00 –14:30	Investigation of the effect of alternative management strategies on distribution of Brown Marmorated Stink Bug <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae) in commercial hazelnut orchard	Maka Murvanidze, Agricultural University of Georgia Nino Inasaridze, Tbilisi State University, Georgia
14:30 – 15:00	Development of a novel technology for cleaning chemically polluted waters by using algae <i>Spirulina</i>	Tamar Varazi Durmishidze Institute of Biochemistry and Biotechnology, Agricultural University of Georgia
15: 00 – 15:30	Rare Neurological Disorders – Diagnostic and Clinical Challenges	Giorgi Lomidze Sofia Kasradze, Institute of Neurology and Neuropsychology; Caucasus International University;
15:00-16:00	Poster session	
	<ol style="list-style-type: none"> 1. The synthesis of superficially active substances by microorganisms. Mariami Aleksidze, Ana Amonashvili Iakob Gogebashvili Telavi State University 2. Biodiesel production from vegetable oil obtained from secondary raw materials. Mariami Kirvalidze, Mariami Batsiashvili Iakob Gogebashvili Telavi State University 3. Study of recombinant DNA degradation of broiler chicken’s sub products and feces Ketevan Silagava, Genetic Research Centre “Allele” Tamaz Giunashvili, Akaki Chargeishvili , Tbilisi State University 4. Post-Genomic technologies in personalized Medicine Salome Gorigua, Ketevan Chikvinidze, Akaki Tsereteli State University 5. Production of medicines by genetic engineering methods. 	

	<p>Marian Dzodzuashvili, Nino Margvelashvili Akaki Tsereteli State University</p> <p>6. Comparative study of anti-radical properties of different price and aged of the vintage Saperavi wines. Nino Gersamia, Mariam Kapanadze, Tamuna Mindorashvili, Tbilisi State University</p> <p>7. Bioprotection of Wine Using nanostructural colloidal silver as sulphur dioxide substitute. N. Ebelashvili, Agricultural University of Georgia, Institute of Viticulture and Oenology N. A. Gagelidze, Agricultural University of Georgia, S. Durmishidze Institute of Biochemistry and Biotechnology N. N. Chkhartishvili, Scientific-Research Center of Agriculture A. Kekelidze, Agricultural University of Georgia, Institute of Viticulture and Oenology</p> <p>8. Georgian traditional Qvevri Wine antioxidant activity and impact on human lymphocytes cell culture Gvantsa Shanshiashvili, Natia Samsonidze, Tinatin Turkiashvili Tbilisi State University</p>
16: 00	Close out ceremony, certification awards, reception