

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

### PROGRAM

#### School

**April 1-3, 2019**

**April 1<sup>st</sup>**

**Venue: Tbilisi State University/ Chavchavadze Ave. 1; 1<sup>st</sup> building, room #101**

9:00– 10:00	<b>Registration</b>	
10:00 - 11:00	<p><b>Opening, greetings</b></p> <p><b>George Sharvashidze</b>, Rector of Tbilisi State University</p> <p><b>Kakhaber Kordzaia</b>, Rector of Caucasus International University</p> <p><b>Ramaz Khomeriki</b>, Dean of Faculty of Exact and Natural Sciences, Tbilisi State University</p> <p><b>Nino Gachechiladze</b>, Deputy Head of Shota Rustaveli National Science Foundation of Georgia</p> <p><b>Introduction</b></p> <p>Higher education area in applied biosciences and biotechnology – national and international experience, <b>Nino Inasaridze</b>, Project coordinator</p>	
11: 00 – 11:30	<b>Welcome coffee</b>	
Time	Topic	Lecturer
11: 30 - 12:30	The role of viruses in biosphere and their biotechnological potential	<b>David Prangishvili</b> , The Institut Pasteur, Paris, France
12:30 – 13: 30	Genomics and Bioinformatics	<b>Ia Pipia</b> , Agricultural University of Georgia
<b>13: 30 – 14:30</b>	<b>Lunch</b>	
14:30 – 15:30	Advanced molecular genetic techniques in the diagnosis and treatment of genetic disorders	<b>Nana Dvalishvili</b> , Caucasus International University, Georgia
15:30 – 16:30	<i>In vitro</i> modelling in studies of human embryo	<b>Elene Cherkezia</b> , Tbilisi State University, Georgia
<b>16: 30 – 17:00</b>	<b>Coffee break</b>	

17:00 – 18:00	Environmental assessment and management of infrastructural investments	<b>Darejan Kapanadze</b> , the World Bank, Georgia
18:00 – 19:00	Practical aspects of scientific research: design types and statistical approaches	<b>Nino Archvadze</b> , Tbilisi State University, Georgia
<b>April 2<sup>nd</sup></b>		
<b>Venue: Laboratory of Ministry of Agriculture of Georgia, Vaso Godziashvili str. 49</b>		
<b>Time</b>	<b>Topic</b>	<b>Lecturer</b>
9.00 -9.30	<b>Registration</b>	
9:30 – 11: 00	Introductory tour, visits to laboratories	Heads of diagnostic and research Units
<b>11:00 – 11:30</b>	<b>Coffee break</b>	
11:30 – 12:30	Application of modern technologies in food Safety	<b>Irakli Guledani</b> , Laboratory of Ministry of Agriculture of Georgia
12: 30 – 13:30	Detection of GMO markers in spreads and spread like products	<b>Zurab Kuchukashvili</b> , Tbilisi State University, Georgia
<b>13:30 – 14:30</b>	<b>Lunch</b>	
14:30 - 15:30	Technological aspects of non-alcoholic beverages made of grain	<b>Olani Gotsiridze</b> , Caucasus International University
15:30 – 16:30	Advanced food technological solutions,	<b>Federico Gomes</b> , Lund University, Sweden
<b>16: 30 – 17: 00</b>	<b>Coffee break</b>	
17:00 – 18:00	Monitoring and integrated management practices of invasive pests –novel technologies	<b>Grzegorz Krawczyk</b> , Pennsylvania State University, USA
18:00 – 19:00	BMSB biology, monitoring and management key strategies	<b>Maka Murvanidze</b> , Nino Inasaridze, Tbilisi State University, Georgia
<b>April 3<sup>rd</sup></b>		
<b>Venue: National Center for Disease Control and Public Health (NCDC)/ 4 Kakheti highway</b>		
<b>9.00</b>	<b>Departure from TSU main entrance, 1<sup>st</sup> building / Chachavadze Ave. 1</b>	
10:00 - 11:00	Greetings, achievements and planned research lines  <b>Amiran Gamkrelidze</b> , Director General  <b>Introductory tour</b>	
11:00 - 12:00	Next generation sequencing technologies	<b>Adam Kotorashvili</b> , Head of Genome Centre
<b>12: 00 – 12:30</b>	<b>Coffee break</b>	
12 :30 – 13:15	Bacteriophages as surrogates for human viruses: Fundamentals and applications to water quality control	<b>Volodymyr Tarabara</b> , Michigan State University, USA

13:15 – 14:00	Environmental water management - advanced technologies	<b>Pantazis Georgiou</b> , Aristotle University of Thessaloniki, Greece
14:00 – 14:45	Applied aspects of molecular plant physiology	<b>Christos Dordas</b> , Aristotle University of Thessaloniki, Greece
<b>14: 45 – 15:15</b>	<b>Lunch</b>	
15:15 – 16:00	Application of nanostructured electrochemical sensors for food quality and safety	<b>Dario Compagnone</b> , University of Teramo, Italy
16:00 – 16:45	Application of computational modelling to the study of complex biological events related to fertility	<b>Nicola Benabo</b> , University of Teramo, Italy
<b>16:45 – 17:00</b>	<b>Coffee Break</b>	
17:00 – 17:45	“Citizen science” as a practical tool to collect data quickly and in an inexpensive way on the distribution of the invasive pest <i>Halyomorpha halys</i>	<b>Gábor Vétek</b> , Szent István University, Hungary
17:45 – 19:00	Conclusion and testing session	<b>Nunu Mitskevich, Nino Inasaridze</b> , Tbilisi State University, Georgia
<b>19:00 – 20:00</b>	<b>Return to TSU</b>	