



Transilvania University of Brasov,  
Romania



University of Medicine and Pharmacy  
"Carol Davila"  
Bucharest, Romania



Universita Degli Studi di Milano,  
Italy



Universite de Perpignan Via Domitia,  
France



**PROGRAM**  
**International Summer School**  
**FOOD SAFETY AND**  
**HEALTHY LIVING**  
**FSHL - 2020**

ONLINE

July 5-8, 2020

Romania

# International Summer School

## FOOD SAFETY AND HEALTHY LIVING

### Scientific Committee

#### Chairpersons

- Mihaela BADEA, Transilvania University of Brasov, Romania
- Laura Elena GAMAN, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania
- Patrizia RESTANI, Università degli Studi di Milano, Italy
- Jean-Louis MARTY, University of Perpignan Via Domitia, France

#### International Scientific Committee

- Valeriu ATANASIU, Carol Davila University of Medicine and Pharmacy, Bucharest
- Mihaela BADEA, Transilvania University of Brasov, Romania
- Codruta Simona COBZAC, Babes-Bolyai University of Cluj-Napoca, Romania
- Gheorghe COMAN, Transilvania University of Brasov, Romania
- Antoanela CURICI, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania; Synevo Romania
- Corina DELIA, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania
- Lorena DIMA, Transilvania University of Brasov, Romania
- Dorin DRAGOS, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania
- Laura FLOROIAN, Transilvania University of Brasov, Romania
- Liviu GACEU, Transilvania University of Brasov, Romania
- Laura Elena GAMAN, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania
- Corina GRIGORIU, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania
- Luis Alberto HENRÍQUEZ-HERNANDEZ, Universita Las Palmas de Gran Canaria, Spain
- Viorel JINGA, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania
- Jean Louis MARTY, University of Perpignan Via Domitia, France
- Radovan METELKA, University of Pardubice, Czech Republic

- Marius MOGA, Transilvania University of Brasov, Romania
- Maria MOHORA, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania
- Corina MUSCUREL, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania
- Andrea NECULAU, Transilvania University of Brasov, Romania
- Mihai NICULESCU, SPHERES, Timisoara, Romania; Advanced Nutrigenomics, Cary, NC U.S.A.; Victor Babes University of Medicine and Pharmacy, Timisoara, Romania
- Gilvanda NUNES, University of Maranhao, São Luís, Maranhao, Brazil
- Madalina PETRAN, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania
- Lea POGACNIK, University of Ljubljana, Slovenia
- Codruta POPA, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania
- Bogdan O. POPESCU, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania
- Cristina POPOVICI, Technical University of Moldova, Moldova
- Victor Lorin PURCAREA, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania
- Mariana RADOI, Transilvania University of Brasov, Romania
- Mugurel Petrinel RADOI, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania
- Patrizia RESTANI, Universita degli Studi di Milano, Italy
- Liliana ROGOZEA, Transilvania University of Brasov, Romania
- Adrian Eugen ROSCA, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania
- Abdel-Badeeh M. SALEM, Faculty of Computer and Information Sciences, Ain Shams University, Cairo, Egypt
- Rui SILVA, Universidade de Lisboa, Portugal
- Irina STOIAN, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania
- Sylwia SMARZEWSKA, University of Lodz, Poland
- Polonca TREBSE, University of Ljubljana, University of Nova Gorica, Slovenia
- Graziella TURDEAN, Babes-Bolyai University of Cluj-Napoca, Romania
- Ana Maria VLĂDĂREANU, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania

# PROGRAM– FSHL 2020

## FOOD SAFETY AND HEALTHY LIVING

**Location** - online courses – platform will be announced every day using personal email of the registered people

**Time** – Romanian time

**Sunday, July 5, 2020**

10.30-10.45	OPENING	
10.45-11.00	C1	<p><b>Introduction in „FOOD SAFETY AND HEALTHY LIVING”</b>            Mihaela BADEA (1), Laura GAMAN (2)            1-Faculty of Medicine, Transilvania University of Brasov, Romania            2-Faculty of Medicine, “Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania</p>
11.00-12.00		<p><b>Students - Group presentations</b>            – country-city- institution-participants</p> <ul style="list-style-type: none"> <li>•Slovenia – Ljubljana</li> <li>•Slovenia - Nova Gorica</li> <li>•Italy – Milan</li> <li>•Poland – Lodz</li> <li>•Poland- Warsaw</li> <li>•Romania - Galati</li> <li>•Romania - Cluj-Napoca</li> <li>•Romania – Targu Mures</li> <li>•Romania - Brasov</li> <li>•Romania - Bucharest</li> </ul>
12.00-12.45	C2	<p><b>Effects of intermittent fasting on glucose and lipid metabolism</b>            Ruxandra CIOARCA- NEDELCU            Carol Davila University of Medicine and Pharmacy, Bucharest, Romania</p>
12.45-13.30	C3	<p><b>Healthy living and eating during the pandemic era</b>            Liliana ROGOZEA, Mihaela BADEA            Faculty of Medicine, Transilvania University of Brasov, Romania</p>

13.30		<b>DEficit JAjocid – DEJA</b> Urh MARKELJ (1), Žan KORELEC (2), Liza TREBŠE (3), Simona Katrin GALUN (2), Katarina PLUT (3), Igor PRŠA (4) 1-Gea Collage, Slovenia; 2-Faculty of Health Sciences, University of Ljubljana, Slovenia; 3-Biotechnical faculty, University of Ljubljana; 4-Unichem d.o.o., Slovenia
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## Monday, July 6, 2020

9.00-9.45	C4	<b>Hygienic design for sustainability</b> Liviu GACEU Faculty of Food and Tourism, Transilvania University of Brasov, Romania
9.45-10.30	C5	<b>Scientific approaches for the evaluation of risks associated with the consumption of botanicals: examples of cases occurred and relative assessment</b> Patrizia RESTANI (1,2), Francesca COLOMBO (1), Simone BIELLA (1), Mihaela BADEA (3), Chiara DI LORENZO (1) 1-Dept. of Pharmacological and Biomolecular Sciences, Università degli Studi di Milano, Italy; 2 - CRC "Innovation for well-being and environment", Università degli Studi di Milano, 20122, Milan, Italy; 3- Faculty of Medicine, Transilvania University of Brasov, Romania
10.30-10.40	<b>COFFEE BREAK</b>	
10.40-11.25	C6	<b>Functional foods: classification and scientific evidences supporting their positive effects on human health</b> Chiara DI LORENZO (1), Francesca COLOMBO (1), Simone BIELLA (1), Mihaela BADEA (2), Patrizia RESTANI (1) 1-Università degli Studi di Milano, Department of Pharmacological and Biomolecular Sciences, Milan, Italy; 2-Transilvania University of Brasov, Faculty of Medicine, Brasov, Romania
11.25-12.05	C7	<b>Chemical and functional characterization of pigmented cereals and their use as innovative ingredients in gluten-free diet</b> Francesca COLOMBO (1), Chiara DI LORENZO (1), Katia PETRONI (2), Marco SILANO (3), Ermelinda FALLETTA (4), Simone BIELLA (1), Patrizia RESTANI (1,5) 1- Dept. of Pharmacological and Biomolecular Sciences, Università degli Studi di Milano, Milano, Italy; 2- Dept. of Biosciences, Università degli Studi di Milano, Milano, Italy; 3- Unit of Human Nutrition and Health, Department of Food Safety, Nutrition and Veterinary Public Health, Istituto Superiore di Sanità, Roma, Italy; 4- Dept of Chemistry, Università degli Studi di Milano, Milano,

		Italy; 5- CRC "Innovation for well-being and environment", Università degli Studi di Milano, Milan, Italy
12.05-12.15	<b>COFFEE BREAK</b>	
12.15-13.00	<b>C8</b>	<b>A practical guide to implement precision nutrition</b> Mihai NICULESCU 1- SPHERES, Timisoara, Romania; 2- Advanced Nutrigenomics, Cary, NC U.S.A.; 3 – Victor Babes University of Medicine and Pharmacy, Timisoara, Romania
13.00-13.45	<b>C9</b>	<b>Medical expert systems for daily meal for type-2 diabetics</b> Abdel-Badeeh M. SALEM Faculty of Computer and Information Sciences, Ain Shams University, Cairo, Egypt
13.45-14.15	<b>C10</b>	<b>Detergents' residues do not come only from surfactants: the biocide case</b> Mojca BAVCON KRALJ University of Ljubljana, Faculty of Health Sciences, Ljubljana, Slovenia

## Tuesday, July 7, 2020

9.00-9.45	<b>C11</b>	<b>Optimization of extraction procedures to obtain bioactive molecules from plants</b> Lea POGACNIK (1), Rui FM SILVA (2) 1-Department of Food Science and Technology, Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia; 2-Research Institute for Medicines (iMed.Ulisboa) and Department of Biochemistry and Human Biology (DBBH), Faculty of Pharmacy, Universidade de Lisboa, Lisbon, Portugal
9.45-10.30	<b>C12</b>	<b>Polyphenols, from neuroprotection to safety</b> Rui FM SILVA (1), Lea POGACNIK (2) 1-Research Institute for Medicines (iMed.Ulisboa) and Department of Biochemistry and Human Biology (DBBH), Faculty of Pharmacy, Universidade de Lisboa, Lisbon, Portugal; 2- Department of Food Science and Technology, Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia
10.30-10.40	<b>COFFEE BREAK</b>	
10.40-11.25	<b>C13</b>	<b>Mycotoxins analysis : Aptamer as a bioreceptor element</b> Jean-Louis MARTY 1-Sensbiotech, Ceret, France;2-Université de Perpignan Via Domitia, Perpignan, France

11.25- 12.05	C14	<b>Sample preparation for food contaminants determination</b> Codruta COBZAC Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University of Cluj- Napoca, Romania
12.05- 12.15	<b>COFFEE BREAK</b>	
12.15- 13.00	C15	<b>Allergy and intolerance – truths and myths</b> Antoanela CURICI (1, 2) 1-Carol Davila University of Medicine and Pharmacy, Bucharest, Romania; 2- Synevo Romania
13.00- 13.45	C16	<b>Complementary food preparation in infants- risks and consequences on health</b> Andrea NECULAU Faculty of Medicine, Transilvania University of Brasov, Romania
13.45- 14.30	C17	<b>Pattern of alimentation in adolescents</b> Bianca POPOVICI Faculty of Medicine, Transilvania University of Brasov, Romania

## Wednesday, July 8, 2020

9.00- 9.45	C18	<b>Green synthesis of metallic nanoparticles and their potential impact on food safety</b> Ioana POPESCU Faculty of Materials Science and Engineering, Transilvania University of Brasov, Romania
9.45- 10.30	C19	<b>Toxicity of nanoparticles in agriculture and food production</b> Luminita ANDRONIC Product Design and Environment Faculty, Transilvania University of Brasov, Romania
10.30- 10.40	<b>COFFEE BREAK</b>	
10.40- 11.25	C20	<b>Sensors and biosensors based on nanostructured materials applied in bioanalysis</b> Constantin APETREI Department of Chemistry, Physics and Environment, Faculty of Sciences and Environment, "Dunărea de Jos" University of Galati, Galati, Romania
11.25- 12.05	C21	<b>Chemically modified electrodes used in food quality control</b> Graziella TURDEAN Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University of Cluj- Napoca, Romania

12.05- 12.15	<b>COFFEE BREAK</b>	
12.15- 13.00	<b>C22</b>	<b>The role of antioxidants in photoprotection</b> Polonca TREBSE Faculty of Health Sciences, University of Ljubljana, Slovenia
13.00- 13.45	<b>C23</b>	<b>Immune modulating action of beta-glucans</b> Mark SHAMTSYAN Department of Technology of Microbiological Syntheses, Faculty of Chemical and Biotechnology, Saint Petersburg State Institute of Technology (Technical University), Saint Petersburg, Russia
13.15- 14.00	<b>C24</b>	<b>Vitex agnus castus- useful remedy for treatment of premenstrual syndrome</b> Diana PANAIT, Carmen MARTINESCU, Marius MOGA Faculty of Medicine, Transilvania University of Brasov, Romania
14.00- 14.45	<b>C25</b>	<b>Marine algae- novel candidates for the prevention and treatment of HPV infection and cervical cancer</b> Marius Alexandru MOGA (1), Oana Gabriela DIMIENESCU (1), Andreea BĂLAN (2) Florina ALDEA (3), Lorena DIMA (2), Romina SIMA (4) 1 -Department of Medical and Surgical Specialties, Faculty of Medicine, Transylvania University of Brasov, Romania; 2- Clinical Hospital of Obstetrics and Gynecology "Dr.I.A.Sbarcea", Brasov, Romania; 3-Department of Fundamental, Prophylactic and Clinical Sciences, Faculty of Medicine, University Transilvania Brasov, Romania; 4- Carol Davila University of Medicine and Pharmacy, Bucharest, Romania
14.45- 15.00	<b>Closing ceremony</b>	