

# New Trends on Sensing- Monitoring- Telediagnosis for Life Sciences

NT SMT-LS 2018

Brasov, Romania, Aug. 30- Sept. 1, 2018

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## PROGRAM

### Locations

- August 30, 2018 – Europa III Hall, Aro Palace Hotel, Bdul Eroilor, Brasov, Romania
- August 31, 2018 – Aula „Sergiu Chiriacescu” of Transilvania University of Brasov, Iuliu Maniu St, No. 41A, Brasov, Romania
- September 1, 2018 – Aula „Sergiu Chiriacescu” of Transilvania University of Brasov, Iuliu Maniu St, No. 41A, Brasov, Romania

### Thursday - August 30, 2018

- Location - **Europa III- Aro Hotel**

15.00-16.00	Registration			
16.00-16.30	Opening ceremony			
<b>PLENARY SESSION – Chairpersons - Alina Pascu, Marius Moga</b>				
16.30-17.15	PL	Understanding and managing food safety risks	<b><u>O. P. Luzardo, L.A. Henriquez-Hernández</u></b>	Toxicology Unit, Research Institute of Biomedical and Health Sciences (IUIBS), Universidad de Las Palmas de Gran Canaria, Las Palmas, Spain
17.15-18.00	PL	Tesigraphy – reviewed from the perspective of an informational – nonlinear approach	<b><u>F. Munteanu</u></b>	Center for Complexity Studies- UNESCO Center, Romania
18.00	Welcome party			

### Friday - August 31, 2018

- Location - **Aula UTBV**

8.30-9.00	Registration			
<b>1. Telediagnosis, Telemonitoring and Telemanagement in Medicine Chairpersons – Mona Popa, Cristina Popovici</b>				
9.00-9.30	KN1	Signal transduction in taste and olfaction	<b><u>R.F.M. Silva</u></b>	Research Institute for Medicines (iMed.Ulisboa), and Department of Biochemistry and Human Biology (DBBH), Faculty of Pharmacy, Universidade de Lisboa, Lisbon, Portugal

9.30-9.50	O1.1.	Telediagnosis for life sciences - an ethical approach and new opportunities in medicine, medical engineering and medical psychology	<b>L. Rogoza</b> (1), D. Popa (2), F. Leasu (1), M. Badea (1)	1- Faculty of Medicine, "Transilvania" University of Brasov, Romania; 2- Psychology and Training for Education Department, "Transilvania" University of Brasov, Romania
9.50-10.10	O1.2.	Telemedicine by using Magnetic Resonance Imaging in parotid pathology	<b>M. Grigorian</b> (1,2), V. Badea (1), D.P. Balaban (1), A. Caraiane (1), C.A. Ciufu (1,2)	1 - Faculty of Dental Medicine, Ovidius University from Constanta, Romania; 2-Ovidius Clinical Hospital, Constanta, Romania
10.10-10.30	O1.3.	Neonatal screening from the laboratory perspective	<b>C. Delia</b> , G. Toma	National Institute for Mother and Child Health, Bucharest, Romania
10.30-11.00	Coffee break			
11.00-11.20	O1.4.	Restore cell balance in the aged brain after stroke by direct in vivo reprogramming technology	<b>A. Popa-Wagner</b>	Department of Neurology, Chair of Vascular Dementia and Aging, University of Medicine Essen, Essen, Germany
11.20-11.40	O1.5.	Toxoplasmosis-current dynamics and anthropological aspects in a Romanian cohort	M. Panait (1), N. Bigiu (2), C. Martinescu (2), A. Maier (3), <b>D. Panait</b> (2)	1- Faculty of Veterinary Medicine, University of Agricultural and Veterinary Sciences, Bucharest, Romania; 2- Faculty of Medicine, "Transilvania" University of Brasov, Romania; 3- County Clinical Hospital of Brasov, Romania
11.40-12.00	O1.6.	Electrochemical bio-affinity biosensors for early clinical diagnostics	A. Hayat (1), M.H. Nawaz (1), <b>J.L. Marty</b> (2)	1- Interdisciplinary Research Centre in Biomedical Materials (IRCBM), COMSATS, University Islamabad Lahore campus, Pakistan; 2- Laboratoire B.A.E, Université De Perpignan Via Domitia, Perpignan Cedex, France

12.00-12.20	O1.7.	Electrochemical immunoassays for detection of HE4 ovarian cancer biomarker	A. Kovářová (1), M. Čadková (1), V. Dvořáková (1), L. Korecká (1), Z. Bílková (1), <b><u>R. Metelka</u></b> (2)	1 – Department of Biological and Biochemical Sciences, Faculty of chemical-technology, University of Pardubice, Czech Republic; 2 – Department of Analytical Chemistry, Faculty of chemical-technology, University of Pardubice, Czech Republic
12.20-12.40	O1.8.	Carbon paste electrode for determination of nonsteroidal anti-inflammatory drug used in osteoarthritis treatment	<b><u>N. Festinger</u></b> , S. Smarzewska, K. Morawska, W. Ciesielski	Department of Inorganic and Analytical Chemistry, Faculty of Chemistry, University of Lodz, Poland
12.40-13.00	O1.9.	Determination of lipoic acid in human urine by capillary zone electrophoresis	<b><u>K. Purgat</u></b> , P. Kubalczyk, R. Głowacki	University of Łódź, Faculty of Chemistry, Department of Environmental Chemistry; Poland
13.00-14.30	Lunch			
<b>2. New Trends in Nutritional Sciences and Food Control</b> <b>Chairpersons – Radovan Metelka, Octavio Perez Luzardo</b>				
14.30-15.00	KN2	Phyto-Molecular taste: a bridge between traditional knowledge and modern science	<b><u>M. Gilca</u></b> (1), D. Dragos (2, 3)	1- Biochemistry Department, Faculty of General Medicine, "Carol Davila" University of Medicine and Pharmacy, Bucharest, Romania; 2- Medical Semiology Department, Faculty of General Medicine, "Carol Davila" University of Medicine and Pharmacy, Bucharest, Romania; 3- Nephrology Clinic, University Emergency Hospital Bucharest, Bucharest, Romania
15.00-15.20	O2.1.	Applications of nanomaterials in food packaging and food safety – an overview	<b><u>M.E. Popa</u></b>	University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
15.20-15.40	O2.2.	Valorisation of winery by-products – trends and applications	<b><u>F. D. Munteanu</u></b> (1), S. Gavrilas (1), A. Vasilescu (2), G. Catanante (3), J.-L. Marty (3)	1 – Faculty of Food Engineering, Tourism and Environmental Protection, "Aurel Vlaicu" University of Arad, Arad, Romania; 2 – International Centre of Biodynamics, Bucharest, Romania; 3 – BAE Laboratory, Université de

				Perpignan via Domitia, Perpignan, France
15.40- 16.00	O2.3.	Effects of fixed orthodontic treatment on the diet of adolescent patients	<b>C. Nicolae</b> , E. Dămășaru, F.F. Bartok, D.P. Balaban, A. Caraiane	Faculty of Dental Medicine, “Ovidius” University of Constanta, Romania
16.00- 16.20	O2.4.	Green tea, coffee and chocolate – the typical sources of antioxidants	<b>L. Pogačnik</b> , N. Poklar Ulrih	University of Ljubljana, Faculty of Food Science and Technology, Ljubljana, Slovenia
16.20- 16.40	O2.5.	Agro-food waste valorisation	<b>C. Popovici</b> (1), O. Migalatiev (2), R. Golubi (2), V. Caragia (2), A. Gh. Coev (2), N. Bogdan (2), I. Grumeza (2)	1 – Technical University of Moldova, Faculty of Food Technology, Moldova; 2 – Scientific and Practical Institute of Horticulture and Food Technologies, Moldova
16.40- 17.00	O2.6.	Plant food supplements: from efficacy to adverse events	P. Restani, <b>F. Colombo</b> , F. Orgiu, S. Biella, C. Di Lorenzo	Dept. Pharmacological and Biomolecular Sciences, Università degli Studi di Milano, Milano, Italy
17.00- 17.20	O2.7.	Development and application of fast methods to measure the phenolic profile and antioxidant activity in yellow and purple corn (ZEA MAYS L.)	<b>F. Colombo</b> (1), K. Petroni (2), C. Di Lorenzo (1), S. Biella (1), R. Pilu (3), P. Restani (1)	1 -Dept. of Pharmacological and Biomolecular Sciences, Università degli Studi di Milano, Milan, Italy; 2-Dept. of Bioscience, Università degli Studi di Milano, Milan, Italy; 3- Dept. of Agricultural and Environmental Sciences - Production, Landscape, Agroenergy, Università degli Studi di Milano, Milan, Italy
17.00- 18.30	Poster session			
19.00	Gala dinner			

## Saturday - September 1, 2018

- Location - **Aula UTBV**

8.30-9.00	Registration			
<b>3. New Trends in Engineering Sciences Applied in Life Sciences</b>				
<b>Chairpersons – Mircea Gregorian, Mark Shamtsyan</b>				
9.00-9.30	KN3	Multifunctional coatings for promoting osseointegration and for preventing infection of metallic implants	<b>A. Vladescu</b> , M. Braic, L.R. Constantin, A.C. Parau, V. Braic	National Institute for Optoelectronics INOE 2000, Department for Advanced Surface Processing and Analysis by Vacuum Technologies, Magurele, Romania
9.30-9.50	O3.1.	Clustered Regularly Interspaced Short Palindromic Repeats - CRISPR	<b>D. Calaver</b> , L. Floroian	Faculty of Electrical Engineering and Computer Science, "Transilvania" University of Braşov, Brasov, Romania
9.50-10.10	O3.2.	Quantitative determination of ochratoxin A from Glycyrrhiza glabra alcoholic extracts using 2D-HPTLC and image processing	<b>S.C.A. Cobzac</b> (1), M. Badea (2)	1-Faculty of Chemistry and Chemical Engineering, "Babes-Bolyai" University, Cluj-Napoca, Romania; 2- Faculty of Medicine, "Transilvania" University of Brasov, Romania
10.10-10.30	O3.3.	Properties and application of glassy carbon electrode modified with $\beta$ -cyclodextrin	<b>K. Morawska</b> , S. Smarzewska, N. Festinger, W. Ciesielski	Department of Inorganic and Analytical Chemistry, University of Lodz, Lodz, Poland
10.30-10.50	O3.4.	Development and construction of miniaturized sensors based on electrified liquid – liquid interface	<b>K. Rudnicki</b> (1), L. Póttorak (2), S. Skrzypek (1), E. Sudhölter (2)	1- Department of Inorganic and Analytical Chemistry, University of Lodz, Lodz, Poland; 2-Delft University of Technology, Chemical Engineering, Delft, The Netherlands
10.50-11.10	O3.5.	Electrochemical sensors based on liquid – liquid interface towards detection of veterinary antibiotics	<b>K. Rudnicki</b> (1), L. Póttorak (2), S. Skrzypek (1), E. Sudhölter (2)	1- Department of Inorganic and Analytical Chemistry, University of Lodz, Lodz, Poland; 2-Delft University of Technology, Chemical Engineering, Delft, The Netherlands



11.10-11.30	O3.6.	Bionics and biomechatronics used for artificial limbs	<b><u>D. Calaver</u></b> , L. Floroian	Faculty of Electrical Engeneering and Computer Science, "Transilvania" University of Braşov, Brasov, Romania
11.30-11.40	Coffee break			
<b>1. Telediagnosis, Telemonitoring and Telemanagement in Medicine</b> <b>Chairpersons – Alina Vladescu, Mark Shamtsyan</b>				
11.40-12.00	O1.10.	Electroanalytical studies of L-DOPA	<b><u>K. Morawska</u></b> (1), N. Festinger (1), S. Smarzewska (1), W. Ciesielski (1), D. Casoni (2), C.S.A Cobzac (2), M. Badea (3)	1 - Department of Inorganic and Analytical Chemistry; University of Lodz, Faculty of Chemistry, Poland; 2- "Babeş-Bolyai" University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania; 3-"Transilvania" University of Brasov, Faculty of Medicine, Brasov, Romania
12.00-12.20	O1.11.	Voltammetric determination of D-DOPA on screen-printed carbon electrodes	<b><u>N. Festinger</u></b> (1), K. Morawska (1), S. Smarzewska (1), W. Ciesielski (1), D. Casoni (2), C.S.A Cobzac (2), M. Badea (3)	1 - Department of Inorganic and Analytical Chemistry; University of Lodz, Faculty of Chemistry, Poland; 2- "Babeş-Bolyai" University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania; 3-"Transilvania" University of Brasov, Faculty of Medicine, Brasov, Romania
12.20-12.40	O1.12.	An overview on the potential dystocia of human birth	M. Moga, N. Bigiu, <b><u>D. Panait</u></b>	Faculty of Medicine, "Transilvania" University of Brasov, Romania
<b>2. New Trends in Nutritional Sciences and Food Control</b> <b>Chairpersons - Laura Gaman, Madalina Petran</b>				
12.40-13.00	O2.8.	Nutrition and health benefits of mushroom beta-glucans and other bio-active compounds	<b><u>M. Shamtsyan</u></b>	St. Petersburg State Institute of Technology (Technical University), Russia

13.00-13.20	O2.9.	Oregano ( <i>Origanum vulgare</i> ) extract as an inhibitor of fish spoilage bacteria	<b><u>M. Sterniša</u></b> (1), A. Kunčič (1), C. Purgatorio (1,2), F. Bucar (3), S. Smole Možina (1)	1-Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia; 2-Faculty of Bioscience and Agro-Food and Environmental Technology, University of Teramo, Teramo, Italy; 3-Institute of Pharmaceutical Sciences, University of Graz, Graz, Austria
13.20-13.40	O2.10.	Determination of vitamin K1 using square wave adsorptive stripping voltammetry at solid glassy carbon electrode	<b><u>M. Sýs</u></b> (1), G. Jashari (2), B. Švecová (1), T. Arbnesi (2), R. Metelka (1)	1- Department of Analytical Chemistry, Faculty of Chemical Technology, University of Pardubice, Pardubice, Czech Republic, 2- Department of Chemistry, Faculty of Mathematics and Natural Sciences, University of Prishtina, Prishtina, Republic of Kosovo
13.40-14.00	O2.11.	New trends in infant nutrition	<b><u>E.M. Petran</u></b>	Faculty of General Medicine, "Carol Davila" University of Medicine and Pharmacy, Bucharest, Romania
14.00	<b>Closing ceremony</b>			

## POSTERS – A1 format

- **August 31, 2018**

– Aula of Transilvania University of Brasov

## Chairpersons – Laura Floroian, Marilena Galca

P1.1.	Study on the distribution and pathogenic role of Enterobacteriaceae in a multi-disciplinary hospital and the evaluation of share of multi-resistant strains	<b><u>M. Idomir</u></b>	Faculty of Medicine, "Transilvania" University of Brasov, Romania
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P1.2.	The importance of the clinical laboratory in identifying the infection with Clostridium difficile	<b><u>M.I. Iosifescu</u></b> (1, 2), Oana-Maria Dragomir (2), Aurelia Cumsuta (2)	1-Faculty of Medicine, "Transilvania" University of Brasov, Romania; 2- MedLife Brasov, Romania
P1.3.	Electronic versus classic cigarettes – product analysis and possible ways to influence the human usage	<b><u>F. Gologan Bunget</u></b> , M. Badea, L. Rogozea	Faculty of Medicine, "Transilvania" University of Brasov, Romania
P1.4.	New electrochemical detection strategies for iodinated compounds	<b><u>L. Chelmea</u></b> (1), C.S. Adochite (1), F. Di Modugno (2), L. Floroian (3), P. Restani (2), M. Badea (1)	1-Faculty of Medicine, "Transilvania" University of Brasov, Romania; 2 - Università Degli Studi di Milano, Faculty of Pharmacology Science, Milan, Italy; 3 - "Transilvania" University of Brasov, Romania
P1.5.	Romanian people's perceptions about Mediterranean diet and lifestyle	<b><u>L. Zamfir</u></b> (1), J. Alvarez Pérez (2), M. Badea (3), L. Serra-Majem (1)	1-Faculty of Medicine, "Transilvania" University of Brasov, Romania; 2- Research Institute of Biomedical and Health Sciences (IUIBS), Universidad de Las Palmas de Gran Canaria, Las Palmas, Spain
P1.6.	Development of polyaniline based sensors for the determination of ascorbic acid in pharmaceutical products	<b><u>A. Dinu</u></b> , C. Apetrei	Department of Chemistry, Physics and Environment, Faculty of Science and Environment, "Dunarea de Jos" University of Galati, Galati, Romania
P1.7.	The taste of emotions: is there any metaphoric relationship?	<b><u>D. Dragoș</u></b> (1,2), M.M. Manea (1,3), L. Gaman <sup>1</sup> , <b><u>M. Gîlcă</u></b> (1)	1 - "Carol Davila" University of Medicine and Pharmacy, Bucharest, Romania; 2- Nephrology Clinic, University Emergency Hospital Bucharest, Bucharest, Romania; 3 - National Institute of Neurology and Neurovascular Diseases, Bucharest, Romania
P1.8.	Lipophilic vitamin profile of smoking young people	<b><u>L. Gaman</u></b> (1), C. Delia (2), F. Bunget Gologan (3), M. Minzat (3), I. Stoian (1), M. Badea (3)	1 - "Carol Davila" University of Medicine and Pharmacy, Bucharest, Romania; 2- National Institute for Mother and Child Health, Bucharest, Romania. 3- Faculty of Medicine, "Transilvania" University of Brasov, Romania

P1.9.	The importance of molecular markers in the diagnosis of chronic myeloproliferation-the latest WHO Classification of Chronic Myeloproliferative Neoplasias (2016)	<b><u>A. Ilea</u></b> (1,2,3), C. Stroescu (1), A. Lungu (1), L. Zamfir (1), D. Spanu (1), R. Ola (1), L. Rogozea (1), A. Pascu (1)	1-Faculty of Medicine, "Transilvania" University of Brasov, Romania; 2-Ritus Biotec, Brasov, Romania; 3-Synevo Brasov, Romania
P1.10	Purification of nucleic acids: methods, steps and applicability in diagnostic	<b><u>A. Ilea</u></b> (1,2,3), C. Stroescu (1), A. Lungu (1), L. Zamfir (1), D. Spanu (1), L. Rogozea (1), A. Pascu (1), R. Ola (1)	1-Faculty of Medicine, "Transilvania" University of Brasov, Romania; 2-Ritus Biotec, Brasov, Romania; 3-Synevo Brasov, Romania
P1.11.	The vomeronasal organ- old and new debates	<b><u>C. Martinescu</u></b>	Faculty of Medicine, "Transilvania" University of Brasov, Romania
P1.12.	Level of knowledge of young students concerning antioxidants and free radicals	<b><u>A. Lungu</u></b> , M. Mitrica, G. Sechel	Faculty of Medicine, "Transilvania" University of Brasov, Romania
P1.13.	Drinking water knowledge and habits - survey among students from medicine faculty in Brasov	<b><u>R. Magureanu</u></b> , M. Moise, G. Sechel, L. Rogozea	Faculty of Medicine, "Transilvania" University of Brasov, Romania
P1.14.	Romanian population' knowledge concerning uric acid metabolism and its role in human body: a questionnaire study	<b><u>M. Mitrea</u></b> , M. Badea, M. Idomir, D. Panait	Faculty of Medicine, Transilvania University of Braşov, Romania
P1.15.	Innovative electrochemical detection of uric acid by differential pulse voltammetry using platinum screen-printed electrode	<b><u>M. Mitrea</u></b> , M. Badea	Faculty of Medicine, Transilvania University of Braşov, Romania
P1.16.	Salts consumption survey among students from medicine faculty in Brasov	<b><u>M.G. Moise</u></b> , R. Magureanu, Gh. Coman, M. Badea, L. Rogozea	Faculty of Medicine, "Transilvania" University of Brasov, Romania
P1.17.	A novel, fast and simple method based on on-column derivatization for the determination of lipoic acid in urine samples	<b><u>P. Olejarz</u></b> , A. Kamińska, R. Głowacki, K. Borowczyk, G. Chwatko	Department of Environmental Chemistry, Faculty of Chemistry, University of Łódź, Łódź, Poland

P1.18.	Improvement of healthy living of young children through (break)dance	<b>R. Panaete</b> (1), S. Cioroiu (2), R. Miclaus (1)	1- Faculty of Medicine, "Transilvania" University of Brasov, Romania; 2- Faculty of Physical Education and Mountain Sports, "Transilvania" University of Brasov, Romania
P1.19.	Creating a regional database of bacterial susceptibility to antibiotics – premise for a correct treatment of urinary tract infections	<b>M.E. Cocuz</b> (1), I.G. Cocuz (2)	1 -Faculty of Medicine, "Transilvania" University of Brasov, Romania; 2- University of Medicine and Pharmacy, Targu Mures, Romania
P1.20.	Variation of blood pressure in adolescents population in Brasov district	<b>B.E. Popovici</b> (1), M. Mitrica (1), F. Moldovan (2), M. Moga (1)	1- Faculty of Medicine, "Transilvania" University of Brasov, Romania; 2- University of Medicine and Pharmacy Tg. Mures, Romania
P1.21.	The consumer's perception of food additives - risk and benefit perceptions	<b>C. Stroescu</b> , L. Rogoza	Faculty of Medicine, "Transilvania" University of Brasov, Romania
P1.22.	Antioxidant activity of piracetam and phenobarbital "in vitro"	<b>N. Taus</b> , C. Gaitan, C. Barbu	Faculty of Medicine, "Transilvania" University of Brasov, Romania
P1.23.	The antioxidant effect of amiodarone and deltaparin	<b>N. Taus</b> , A. Vaduva, A. Popovici	Faculty of Medicine, "Transilvania" University of Brasov, Romania
P1.24.	Determination of ibuprofen from film-coated tablets using high performance thin layer chromatography and image processing. Comparison with the European Pharmacopoeia method	K. Popa, <b>G.L. Turdean</b> , S.C.A. Cobzac	"Babes-Bolyai" University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania
P1.25.	Personalized diet - the way to improve the human health	<b>L. Zamfir</b> , A. Plotogea Vadanuta	Faculty of Medicine, "Transilvania" University of Brasov, Romania
P1.26.	Electrochemical detection strategies of antioxidant activity of resveratrol and caffeic acid	<b>C.S. Adochite</b> , M. Badea	Faculty of Medicine, "Transilvania" University of Brasov, Romania
P1.27.	A psychoactive plant usage in teenagers – case report	<b>E.M. Petran</b> (1), <b>L.E. Gaman</b> (1), D. C. Popa (1), V. Atanasiu (1), I. Stoian (1), M. Gilca (1), C. Muscurel (1), M. Motoc (2), C. Petran (1),	1- "Carol Davila" University of Medicine and Pharmacy, Bucharest, Romania, 2- Universitatea de Medicina si Farmacie "Victor Babes" Timisoara,

		C. Delia (3), M. P. Radoi (1)	3- National Institute for Mother and Child Health, Bucharest, Romania
P1.28.	The simultaneous occurrence of the BCR-ABL translocation and the JAK2V617F mutation. Detection and dynamics evolution in two cases of chronic myeloproliferative neoplasms	<b>A. Ilea</b> (1,2,3), T. Roscan (2), A. Pascu (1), M. Moga (1)	1-Faculty of Medicine, "Transilvania" University of Brasov, Romania; 2-Ritus Biotec, Brasov, Romania; 3-Synevo Brasov, Romania
P2.1.	Similarities and differences between Gran Canaria's and Transylvanian's traditional living and food sustainability	<b>M. Badea</b> (1), <b>P. Momo</b> (2), C. Ruano Rodriguez (2), A. Ortiz Andrellucchi (2), L. Floroian (1), L. Serra-Majem (2)	1-"Transilvania" University of Brasov, Brasov, Romania; 2- University Las Palmas de Gran Canaria, Spain
P2.2.	The influence of pedoclimatic conditions on the polyphenol content of some Rosaceae species	<b>S.C.A. Cobzac</b> (1), N.K. Olah (2,3)	1 -"Babeş-Bolyai" University, Faculty of Chemistry and Chemical Engineering, Cluj Napoca, Romania; 2 -Vasile Goldiş Western University from Arad, Faculty of Pharmacy, Arad, Romania; 3 - SC PlantExtrakt SRL, Radaia, Cluj, Romania
P2.3.	Innovative strategies for electrochemical analysis of antioxidant capacities of gallic acid	<b>F. Di Modugno</b> (1), P. Restani (1), R. Chelaru (2), W. Kansoun (2), M. Badea (2)	1 -Dept. of Pharmacological and Biomolecular Sciences, Università degli Studi di Milano, Milan, Italy; 2-Faculty of Medicine, "Transilvania" University of Brasov, Romania
P2.4.	Advances in aflatoxin M1 detection based on flow injection analysis and screen printed electrodes	A.-M. Gurban, M. Călin, I. Răut, D. Constantinescu-Aruxandei, M.-L. Arsene, L. Jecu, <b>M. Doni</b>	National Institute for Research & Development in Chemistry and Petrochemistry—ICECHIM; Biotechnology Department, Bucharest, Romania
P2.5.	Plant growth promoting properties of fungal strains cultured on keratin waste substrates	M. Călin (1,2), I. Răut (1), D. Constantinescu-Aruxandei (1), M. L. Arsene (1), G. Vasilescu (1), A. M. Gurban (1), <b>M. Doni</b> (1), L. Jecu (1)	1 -National Institute for Research & Development in Chemistry and Petrochemistry-ICECHIM, Bucharest, Romania; 2 -University of Bucharest, Faculty of Biology, Bucharest, Romania
P2.6.	New approaches for electrochemical detection of curcumin	<b>A. Jinga</b> , M. Badea	Faculty of Medicine, "Transilvania" University of Brasov, Romania

P2.7.	Determination of lipoic acid and lipoyllysine in plant tissues	<b>A. Kamińska</b> , P. Olejarz, K. Borowczyk, G. Chwatko	University of Łódź, Faculty of Chemistry, Department of Environmental Chemistry; Lodz, Poland
P2.8.	Methods of detection of non-enzymatic antioxidant systems	<b>D. M. Minzat</b> , M. Badea	Faculty of Medicine, "Transilvania" University of Brasov, Romania
P2.9.	Goat milk yoghurt with high biological properties	<b>C. Popovici</b> (1), M. A. Tița (2)	1 -Technical University of Moldova, Faculty of Food Technology; 2- "Lucian Blaga" University of Sibiu, Faculty of Agricultural Sciences, Food Industry and Environmental Protection, Sibiu, Romania
P2.10.	Voltammetric determination of thymol using platinum electrode	<b>S.C.A.Cobzac</b> (1) , G.L.Turdean (2)	1 -"Babes Bolyai" University, Faculty of Chemistry and Chemical Engineering, Department of Chemistry, Cluj-Napoca, Romania; 2 -"Babes Bolyai" University, Faculty of Chemistry and Chemical Engineering, Department of Chemical Engineering, Center of Electrochemistry and Non-Conventional Materials, Cluj Napoca, Romania
P2.11.	Electrochemical detection of organophosphorus pesticides	<b>A. Plotogea Vadanuta</b> (1), G.S. Nunes (2), J.L. Marty (3), M. Badea (4)	1- Regina Maria Medical Center Brasov, Romania; 2- University of Maranhao, Sao Luis, Brazil; 3- University of Perpignan Via Domitia, France; 4- Faculty of Medicine, "Transilvania" University of Brasov, Romania
P3.1.	New sensors for human health telemonitoring	A. Plotogea Vadanuta (1), L. Floroian (2), <b>C. Boldisor</b> (2), M. Badea (3)	1- Regina Maria Medical Center Brasov, Romania; 2- Faculty of Electrical Engineering and Computer Science, "Transilvania" University of Braşov, Brasov, Romania; 3- Faculty of Medicine, "Transilvania" University of Brasov, Romania

P3.2.	Graphene based sensor for the analysis of catechol derivatives	<b><u>R.O. Gunache (Roșca)</u></b> , C. Apetrei	Department of Chemistry, Physics and Environment, Faculty of Science and Environment, "Dunarea de Jos" University of Galati, Galati, Romania
P3.3.	Interactions between starch and different hydrocolloids studied with Differential Scanning Calorimetry, Rheometry and Hyperspectral imaging	<b><u>P. Megušar</u></b> (1), D. Stopar (1), N. Poklar Ulrih (1), L. Rogelj (2), J. Stergar (2), M. Milanič (2), A. Živkovič (1), T. Požrl (1), I. Dogša (1), I. Prisljan (1)	1-Department of Food Science and Technology, Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia; 2- Department of Medical Physics, Faculty of Mathematics and Physics, University of Ljubljana, Ljubljana, Slovenia
P.3.4.	In vivo evaluation of oxidative stress induced by metallic implants	<b><u>L. Floroian</u></b> (1), D.V. Enache (2), G. Puchianu (2), L. Gaceu (3), M. Badea (4)	1-Faculty of Electrical Engineering and Computer Science, Transilvania University of Brasov, Romania; 2- Sanitary Veterinary and Food Safety Directorate, Brasov, Romania; 3- Faculty of Food and Tourism, Transilvania University of Brasov, Romania; 4- Faculty of Medicine, Transilvania University of Brasov, Romania