

Conference Chairpersons

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

Invitation

It is our privilege and pleasure to invite you and your colleagues to attend to the **online conference The 5th International Conference – New Trends on Sensing – Monitoring – Telediagnosis for Life Sciences**, NT-SMT-LS 2020, Romania, during July 3-4, 2020.

The conference will bring together, using online format, Romanian and foreign universities and leading representatives from international and national scientific research, as well as scientific and professional organizations.

The conference is a possibility to present new results, discussions and exchanges of experience in (tele)diagnosis, -monitoring and -management in medicine, new trends in nutrition, food control and engineering sciences applied in life sciences.

Companies are invited to become sponsor of this International Conference and to present their company products, demonstrating their expertise and product excellence.

We would like our Conference to be a prestigious international event, which all participants remember fondly. However, we are aware that only your participation and involvement can ensure this.

So, we are waiting to meet you online and to have a strong scientific experience!

Important Data

- **May 25, 2020 - Registration and abstract submission**
- June 5, 2020 - Notification of acceptance
- June 20, 2020 - Deadline for Young Scientist Paper Award competition
- June 15, 2020 -Deadline for late registration fee (for contributions included in Abstracts Book)

General Information

Publications

Abstract submission (maximum 200 words, A4, TNR 10, electronic format) – *Book of Abstracts* will be available at the conference

- The deadline - May 25, 2020 - Check the web for the latest changes.
- No abstracts will be included in the Conference's Book of Abstracts unless the registration fee is paid by June 15, 2020

Paper manuscripts - possible publication in main stream journals

<http://www.healthfoodenviron.unitbv.ro/2020/publications/>

- The manuscripts should be submitted electronically
- Please follow the instructions for authors of each publisher.
- All manuscripts will be peer-reviewed by at least two external referees
- Deadline: Please check for each publication indicated in the conference website

Dates

- July 3-4, 2020

Language

The official language of the Conference is English; papers will be accepted, presented and published only in English.

The Conference includes

- Oral presentations
- Electronic Poster presentations
- Workshops

Preliminary program

<http://www.healthfoodenviron.unitbv.ro/2020>

July 3, 2020

13.00	Registration
14.00-14.30	Opening ceremony
14.30-16.30	Plenary lectures
16.30-18.00	Coffee break and Electronic Posters session

July 4, 2020

8.30-9.00	Registration
9.00-11.00	(Tele)diagnosis, (Tele)monitoring and (Tele)management in Medicine
11.00-11.30	Coffee break and Electronic Posters session
11.30-13.30	New Trends in Nutritional Sciences and Food Control
13.30-15.00	Lunch
15.00-17.00	New Trends in (Bio)engineering Sciences Applied in Life Sciences
17.00	Closing Ceremony

TRANSILVANIA UNIVERSITY OF BRASOV ROMANIA

AND

CAROL DAVILA UNIVERSITY OF MEDICINE AND PHARMACY, BUCHAREST, ROMANIA

In collaboration with
UNIVERSITÀ DEGLI STUDI DI MILANO, ITALY
UNIVERSITY OF PERPIGNAN VIA DOMITIA, FRANCE
SYNEVO ROMANIA

ONLINE CONFERENCE

5th International Conference

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

NT SMT-LS 2020



July 3-4, 2020

Romania

Conference Topics

(Tele)diagnosis, (Tele)monitoring and (Tele)management in Medicine

- Analytical and bioanalytical methods for screening and diagnosis in medicine
- Telemedicine and e-Health
- Endocrine disruptors: advances in assessing environmental health risk and human health
- Environmental pollution and health- sensing, (tele)monitoring and modeling of environmental risk factors
- Personalized medicine
- Social innovations to improve the quality of life and well-being of elder people
- Assessment of disease susceptibility and diagnosis
- Improving health information, data exploitation and providing an evidence base for health policies and regulation
- (Tele)diagnosis and (tele)management of environmental factors related disorders
- Impacts of poor health on economic output and productivity
- Approaching melotherapy through on-line sources/remote methods
- Improving health promotion, lifelong physical activity and disease prevention
- Make business a key partner in promoting health and preventing disease

New Trends in Nutritional Sciences and Food Control

- Nutrient sensing and disease
- New (bio)sensors for food control
- Analytical and bioanalytical methods for food characterization
- Food and drug safety control
- Control, benefit and risk assessment of food supplements and novel foods
- Nutrition status and health
- Promoting healthy lifestyle and consumption choices through effective education and public engagement
- (Tele)management of nutrition in disease prevention and treatment
- Food environments and adolescent health
- New perspectives on plant-based nutrition
- Phytochemicals: public health and regulatory perspectives
- Personalized nutrition
- New perspectives on neuroscience of taste and olfaction
- Food psychology
- Nutrition: an anthropological perspective

New Trends in (Bio)engineering Sciences Applied in Life Sciences

- Innovative smart healthcare and bio-medical systems: artificial intelligence, intelligent computing and connected technologies
- Assistive technologies to the needs of the elderly, disabled and chronic disease patients
- New (bio)materials used in medical and electronic fields
- Progress in 3D bioprinting technology for tissue/organ regenerative engineering
- Nanotechnology for life sciences
- Personalized electronic tools for effective virtual rehabilitation
- Built environment, urbanization and chronic non-communicable disease
- Hospital hygiene through engineering and ICT solutions.
- Building materials impact on human health
- Occupant safety and health in constructions
- Monitoring the indoor air quality in buildings
- Electronic medical devices
- Image, data and signal processing in life sciences
- Computing and simulation in life sciences

Awards

Young Scientist Paper Award

To qualify for this competition, the first author of the paper must be a young scientist under 40 years of age. Other co-authors may be listed, but the paper must be presented (either oral or poster) by the Young Scientist candidate.

Young Scientist paper for the competition must be received by June 20, 2020 and announced as such by the author(s).

The Scientific Committee will select two winning papers. The conference fee for the winners will be waived and the winners will receive an accommodation grant.

Poster Award

Electronic posters (A1 format – 841mm * 594 mm) will be selected for the Poster Award during the poster presentations sessions (3-4 minutes/poster).

Winning posters will be awarded in the Closing Ceremony of the Conference.

Oral Presentation Award

Winning oral presentation will be awarded in the Closing Ceremony of the Conference.

All the correspondence should be addressed

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<http://www.healthfoodenviron.unitbv.ro/2020>

Registration Fees

	Normal participants	Master and PhD students	Participants without paper
Registration fee	40 Euro / 200 RON	30 Euro / 150 RON	20 Euro / 100 RON

- Registration fee includes: access to the conference activities – plenary/keynote/oral presentations and electronic poster presentations, Book of Abstracts
- The registration fee corresponds to maximum two papers as author or co-author.
- Participants from all organizing institutions will have 50% discount from normal registration fee

Method of Payment: Bank Transfer

For Foreign participants – EUR and USD currency please use:

Bank: BCR Sucursala Brasov, Str. 15 Noiembrie nr. 90, Brasov, Romania

Account No.: RO26RNCB0053048605430006 (EUR)

RO31RNCB0053048605430013 (USD)

BIC SWIFT: RNCBROBU

Beneficiary: Universitatea Transilvania din Brasov, CF 4317754

CONFERENCE NT-SMT-LS

Details of payment: full name (surname and first name), institution, etc. For

NT-SMT-LS – CONFERENCE

For Romanian participants - RON currency please use:

Bank: TREZORERIA MUNICIPIULUI BRASOV, Brasov, Romania

Account No: RO08TREZ13120F330500XXXX (RON)

Beneficiary: Universitatea Transilvania din Brasov, CF 4317754

CONFERENCE NT-SMT-LS

Details of payment: full name (surname and first name), institution, etc. For

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Important notes:

- PhD students applying for the reduced student fee should ask their advisor to send a short letter by e-mail confirming their PhD student status.
- The final deadline for paying the conference fee is June 15, 2020. No abstracts will be included in the Conference's Book of Abstracts unless the registration fee is paid before June 15, 2020.
- Registration fees after June 15, 2020 will not be accepted.