

PHYSICAL CHEMISTRY 2021

15th International Conference on Fundamental and Applied Aspects of Physical Chemistry

**7th WORKSHOP: SPECIFIC METHODS FOR FOOD SAFETY AND
QUALITY**

Online Satellite Event

organized by

“VINČA” INSTITUTE OF NUCLEAR SCIENCES-NATIONAL INSTITUTE OF THE REPUBLIC OF
SERBIA
UNIVERSITY OF BELGRADE

VINČA – Belgrade, Serbia



in co-operation with

THE SOCIETY OF PHYSICAL
CHEMISTS OF SERBIA



Held under the auspices of the
MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGICAL DEVELOPMENT



September 22nd, 2021. Belgrade, Serbia

FINAL PROGRAM

9:20-9:50 Testing the platform

INSTRUCTION FOR ACCESING THE ZOOM APPLICATION

Join Zoom Meeting

<https://us06web.zoom.us/j/85675108717?pwd=TTJxTlpFVXdSYTVsek9VYStmZTB5QT09>

Meeting ID: 856 7510 8717

Passcode: 839185

9:50-10:00 Opening ceremony – Introductory speech

A SESSION - *Specific methods in food quality control*

Chairperson: Milovan Stoiljković

10:00-10:35 *Plenary Lecture A1*

C. Cristea, O. Hosu, B. Feier, M. Tertis

Electroanalytical methods for food safety and quality control assessment

10:35-10:55 *Invited Lecture A1*

D. McMillan, J. Stahl-Zeng, I. Moore, T. Biesenthal, J. Steed, W. Broer

Precise testing of pesticides in food using the SCIEX Triple Quad™ 7500 LC-MS/MS System – QTRAP™ Ready - Highly sensitive analysis of multi-compound panels in various matrices for food regulations

10:55-11:15 *Invited Lecture A2*

G. Selvolini, G. Marrazza

Development of novel analytical platforms for the rapid, point-of-use quantification of multiple contaminants in food samples

11:15-11:35 *Invited Lecture A3*

V. Gojković Cvjetković, Ž. Marjanović-Balaban, D. Rajić, D. Vujadinović

Application of GCE and FTIR methods for the determination of gliadins from wheat flour

B SESSION - Food safety

Chairperson: Mirjana Čolović

11:35-11:55 *Invited Lecture B1*

G. Gajski, M. Gerić, A-M. Domijan, B. Žegura

Toxicological profile of marine toxin domoic acid in human blood cells

11:55-12:10 *Coffee break*

12:10-12:30 *Invited Lecture B2*

K. Bohinc

Bacterial adhesion rate on food contact surfaces

12:30-12:50 *Invited Lecture B3*

N. Mavrič, K. Bohinc, R. Vidrih, K. Godič Torkar, M. Baycon Kralj

Chitosan-coatings in extending shelf-life of apples

12:50-13:10 *Invited Lecture B4*

A.-M. Domijan, B. Mihaljević, K. Markov, J. Pleadin, A.M. Marjanović Čermak

Impact of gama irradiation on aflatoxin B1 and ochratoxin A toxicity

13:10-13:30 *Invited Lecture B5*

D. Jovanović, R. Marković, D. Šefer, M. Krstić, V. Stanić, D. Perić, M. Ž. Baltić

Toxic metals content in muscle tissue of common carp from locations near Belgrade

C SESSION - Functional food

Chairperson: Milovan Stoiljković

13:30-13:50 *Invited Lecture C1*

K. Radić

Bioaccessibility of olive-derived nutraceuticals determined by novel standardized protocols

13:50-14:50 *Lunch break and poster presentation*

POSTER PRESENTATIONS

Posters will be available during the day of the Workshop (10:00 -16:00) at:

<http://workshop-food-safety-and-quality.biz.ht/index.php/poster-presentation>

14:50-15:05 *Oral Presentation C1*

V. Dragičević, M. Stoiljković, M. Simić, M. Brankov, M. Šenk, M. Dodevska, M. Tolimir

The role of sustainable agriculture in production of nutrient dense food

15:05-15:20 *Oral Presentation C2*

U. Čakar, N. Lisov, I. Plavšić, A. Petrović, D. Krstić, I. Stanković, B. Đorđević

Phenolic profile of plum wines and their activity in the protection against free radicals

15:20-15:35 *Oral Presentation A1*

V. Vasić, M. Radenković, M. Pavlović, J. Petrović, K. Nikolić, M. Momčilović, S. Živković

Analysis of spice paprika powders from Serbian market

15:35-15:45 Closing ceremony