

# Kongres o sigurnosti i kvaliteti hrane

s međunarodnim sudjelovanjem

## Nova postignuća i budući izazovi

21.-24. studenoga 2017. | Opatija, Hrvatska

### KONAČNI PROGRAM



### FINAL PROGRAM

# Food Safety and Quality Congress

with international participation

## New Achievements and Future Challenges

November 21-24, 2017 | Opatija, Croatia

# KONGRES O SIGURNOSTI I KVALITETI HRANE

s međunarodnim sudjelovanjem

**„Nova postignuća i budući izazovi“**

21. - 24. studenoga 2017. | Opatija, Hrvatska

**FOOD SAFETY AND QUALITY CONGRESS**

*with international participation*

**„New Achievements and Future Challenges“**

*November 10-11, 2017 | Zagreb, Croatia*

## KONAČNI PROGRAM

## *FINAL PROGRAM*



[www.foodsq-congress.eu](http://www.foodsq-congress.eu)

## UVODNA RIJEČ

Poštovane kolegice i kolege, dragi prijatelji, velika mi je čast i zadovoljstvo pozdraviti vas ispred Organizacijskog i Znanstvenog odbora prvog hrvatskog **Kongresa o kvaliteti i sigurnosti hrane s međunarodnim sudjelovanjem – „Nova postignuća i budući izazovi“**, održanog **od 21. do 24. studenoga 2017.** godine u Opatiji.



Izuzetno smo počašćeni interesom kojeg je Kongres ostvario u svojoj prvoj godini održavanja te odazivom i potporom predstavnika Europske komisije za zdravlje i sigurnost hrane, Europskog parlamenta, Europske agencije za sigurnost hrane (EFSA), Europskog ureda Američke agencije za hranu i lijekove (FDA), EUROLAB-a (Lisabon, Portugal), Ministarstva znanosti i obrazovanja Ministarstva poljoprivrede, Ministarstva zdravstva Republike Hrvatske, Međunarodnog odbora za praćenje proizvodnosti domaćih životinja (Rim, Italija), Nacionalne agencije za hranu (Upsalla, Švedska), Kemijskog fakulteta Sveučilišta u Varšavi (Poljska), Talijanskog nacionalnog instituta za zdravstvo i drugih eminentnih sudionika.

Polazeći od ključne pretpostavke kako je sigurnost hrane zajednička odgovornost države, proizvođača, distributera, struke, ali i samih potrošača, o stručnim i aktualnim temama u ovome području govorili su vrhunski predavači i sugovornici. Program Kongresa obuhvaća teme iz područja zdravstvene ispravnosti i kvalitete hrane, s naglaskom na učinke na zdravlje ljudi. Tako će se, između ostalog, raspravljati o kontaminantima u hrani i novim trendovima u njihovoj analizi, zaštiti izvornosti i zemljopisnog porijekla proizvoda, ekološkoj proizvodnji, označavanju i identifikaciji proizvoda, utjecaju okoliša na sigurnost i kvalitetu hrane, procjenama i upravljanju rizicima, primjerima dobre proizvođačke prakse te brojnim drugim važnim i srodnim temama.

Osim plenarnih predavanja eminentnih predavača, Kongres se odvija i kroz usmena izlaganja, online simpozije, radionice te poster sekcije kroz koje sudionici imaju priliku upoznati autore postera i raspraviti o njihovom radu, kao i najnovijim spoznajama u području sigurnosti i kvalitete hrane. U okviru Kongresa održava se i seminar Europskog centra za laboratorijsku izvrsnost „Izazovi u procjenjivanju mjerne nesigurnosti“. Ukupno se održava 6 plenarnih predavanja, 47 oralnih predavanja i predstavlja 49 postera iz zemlje i svijeta.

Ovom prilikom također želimo zahvaliti Predsjednici Republike Hrvatske Kolindi Grabar-Kitarović na prihvaćanju visokog pokroviteljstva te Ministarstvu znanosti i obrazovanja, Ministarstvu poljoprivrede, Ministarstvu zdravstva, Hrvatskoj akreditacijskoj agenciji, Državnom zavodu za mjeriteljstvo i Gradonačelniku Grada Zagreba na prihvaćanju pokroviteljstva.

Najsrdajnije zahvaljujemo i sponzorima koji su svojom podrškom doprinijeli organizaciji ovog Kongresa.

I na kraju, još jednom želim zahvaliti svim sudionicima na cjelokupnom doprinosu u postizanju zajedničkog cilja, odnosno na pružanju vjerodostojnih informacija o sigurnosti i kvaliteti hrane te davanju smjernica i prijedloga za unaprjeđenje sustava sigurnosti i kvalitete hrane „od polja do stola“.

S poštovanjem,

Zvonimir Šostar, dr. med.  
Predsjednik Kongresa

## WELCOME ADDRESS

*Distinguished colleagues and dear friends,*

*It is a great honor and pleasure to extend my greetings to you on behalf of the Organizing and the Scientific Committee of the first Croatian **Food Quality and Safety Congress with international participation** – “**New Achievements and Future Challenges**”, which took place from the **21<sup>st</sup> to the 24<sup>th</sup> of November 2017** in Opatija.*

*We are exceptionally honored by the interest the Congress has generated in only its first year, as well as the response and support from the European Commission’s representatives for health and food safety, the European Parliament, the European Food Safety Authority (EFSA), the US Food and Drug Administration’s Europe Office, EUROLAB (Lisbon, Portugal), the Ministry of Science and Education, the Ministry of Agriculture, the Ministry of Health of the Republic of Croatia, the Croatian Food Agency, the Croatian Food Processing Competitiveness Cluster, the International Committee for Animal Recording (Rome, Italy), the National Food Agency (Uppsala, Sweden), the Faculty of Chemistry of the University of Warsaw (Poland), the Italian National Institute of Health, and other distinguished participants.*

*Based on the key assumption that food safety is the shared responsibility of countries, manufacturers, distributors, professionals, but also consumers themselves, top lecturers and interlocutors are speaking about professional and current topics. The Congress’ program includes topics from the domain of food safety and quality, with an emphasis on its effects on human health. Therefore, the discussions covered, among other things, are food contaminants and new trends in their analysis, the protection of origin and geographic origin, organic production, product labeling and identification, environmental impact on food safety and quality, risk assessment and risk management, case studies of good manufacturing practices, and numerous other important and related topics.*



*In addition to plenary lectures by eminent speakers, the Congress also includes oral presentations, online symposia, workshops, and poster sections: participants have the opportunity to meet the authors of the posters and discuss their work, as well as the latest findings in the domain of food safety and quality. Within the Congress, the European Centre for Laboratory Excellence holds a seminar entitled “Challenges in Assessing Measurement Uncertainty”. In total, there are 6 plenary lectures, 47 oral lectures, and 49 poster presentations from the country and around the world.*

*On this occasion, we would also like to thank the President of the Republic of Croatia Kolinda Grabar-Kitarović for accepting the high patronage, and thank the Ministry of Science and Education, the Ministry of Agriculture, the Ministry of Health, the Croatian Accreditation Agency, the State Office for Standardization and Metrology, as well as the Mayor of the City of Zagreb for accepting the patronage.*

*We are wholeheartedly thankful to our sponsors, whose support contributed to the organization of this Congress.*

*Finally, I would like to once again thank all participants for their overall contribution to achieving a common goal; in other words, for providing credible information on food safety and quality, and for providing guidelines and suggestions to improve the food safety and quality system – “from the field to the table”.*

*Sincerely,*

A handwritten signature in black ink, appearing to be 'ZŠ', written in a cursive style.

Zvonimir Šostar, MD  
President of the Congress

### **ORGANIZATORI / ORGANIZERS**

Nastavni zavod za javno zdravstvo „Dr. Andrija Štampar“ / *Andrija Štampar Teaching Institute of Public Health*

Hrvatsko mjeriteljsko društvo / *Croatian Metrology Society*

Mreža za kontrolu kvalitete i sigurnosti hrane jugoistočne Europe – SEEN-FSQC  
*South East European Network for Food Safety and Quality Control – SEE-FSQC*

Agronomski fakultet Sveučilišta u Zagrebu / *University of Zagreb, Faculty of Agriculture*

Prehrambeno-biotehnološki fakultet Sveučilišta u Zagrebu  
*University of Zagreb, Faculty of Food Technology and Biotechnology*

### **MJESTO ODRŽAVANJA / CONGRESS VENUE**

Grand Hotel 4 opatijska cvijeta

Ul. Viktora Cara Emina 6

51 410 Opatija, Hrvatska / *Croatia*

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### **VISOKI POKROVITELJ / UNDER THE HIGH AUSPICES OF**

Kolinda Grabar Kitarović, Predsjednica Republike Hrvatske / *President of the Republic of Croatia*

### **POKROVITELJI / UNDER THE AUSPICES OF**

Ministarstvo poljoprivrede Republike Hrvatske  
*Ministry of Agriculture of the Republic of Croatia*

Ministarstvo zdravstva Republike Hrvatske  
*Ministry of Health of the Republic of Croatia*

Ministarstvo znanosti i obrazovanja Republike Hrvatske  
*Ministry of Science and Education of the Republic of Croatia*

Hrvatska akreditacijska agencija / *Croatian Accreditation Agency*

Državni zavod za mjeriteljstvo / *State Office for Metrology*

Gradonačelnik Grada Zagreba / *City of Zagreb Mayor*

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### **ZNANSTVENI ODBOR / SCIENTIFIC COMMITTEE**

Tomislav Bolanča (Hrvatska / *Croatia*), Ewa Bulska (Poljska / *Poland*), Ana Čop (Hrvatska / *Croatia*), Tomislav Dobranić (Hrvatska / *Croatia*), Jelena Đugum (Hrvatska / *Croatia*), Nives Galić (Hrvatska / *Croatia*), Jasmina Havranek (Hrvatska / *Croatia*), Mirjana Hruškar (Hrvatska / *Croatia*), Vesna Hrženjak (Slovenija / *Slovenia*), Martina Ivešić (Hrvatska / *Croatia*), Bernard Kaić (Hrvatska / *Croatia*), Branko Kolarić (Hrvatska / *Croatia*), Željko Krznarić (Hrvatska / *Croatia*), Dario Lasić (Hrvatska / *Croatia*), Ana Lucić Vrdoljak (Hrvatska / *Croatia*), Dražen Lušić (Hrvatska / *Croatia*), Ksenija Markov (Hrvatska / *Croatia*), Dušanka Matijević (Srbija / *Serbia*), Nataša Mikulec (Hrvatska / *Croatia*), Boro Mioč (Hrvatska / *Croatia*), Romana Mrković (Hrvatska / *Croatia*), Vladimir Petrović (Srbija / *Serbia*), Vesna Popijač (Hrvatska / *Croatia*), Davor Romić (Hrvatska / *Croatia*), Marija Romić (Hrvatska / *Croatia*), Marko Samardžija (Hrvatska / *Croatia*), Ana Stavljenić Rukavina (Hrvatska / *Croatia*), Bojan Šarkanj (Hrvatska / *Croatia*), Vanja Tešić (Hrvatska / *Croatia*), Darija Vranešić Bender (Hrvatska / *Croatia*), Irena Žuntar (Hrvatska / *Croatia*)

### **ZNANSTVENI SAVJET / SCIENTIFIC ADVISORY BOARD**

Damir Boras (Hrvatska / *Croatia*), Antoinette Kaić Rak (Hrvatska / *Croatia*), Zvonko Kusić (Hrvatska / *Croatia*)

### **POZVANI PREDAVAČI / INVITED SPEAKERS**

**ANDRIUKAITIS VYTENIS, Europska komisija, Povjerenik za zdravlje i sigurnost hrane, Bruxelles, Belgija** / *European Commission, Health & Food Safety Commissioner, Brussels, Belgium*

**BABIĆ IVONA, Europska komisija, Uprava za veterinarstvo i sigurnost hrane, Bruxelles, Belgija** / *European Commission, DG Health and Food Safety Directorate (DG SANTE), Unit E2 – Food processing technologies and novel foods, Brussels, Belgium*

**BORZAN BILJANA**, Europski parlament, Bruxelles, Belgija; Strasbourg, Francuska  
*European Parliament, Brussels, Belgium / Strasbourg, France*

**BRERA CARLO**, Talijanski nacionalni institut za zdravstvo, Rim, Italija / *Italian National Institute of Health, Rome, Italy*

**BULSKA EWA**, Kemijski fakultet Sveučilišta u Varšavi, Varšava, Poljska / *Faculty of Chemistry, University of Warsaw, Warsaw, Poland*

**KUJUNDŽIĆ MILAN**, Ministarstvo zdravstva Republike Hrvatske, Zagreb, Hrvatska  
*Ministry of Health of the Republic of Croatia, Zagreb, Croatia*

**McIFF COLIN**, Ravnatelj europskog ureda Američke agencije za hranu i lijekove (FDA), Bruxelles, Belgija / *Director of the FDA (US Food and Drug Administration) Europe Office, Brussels, Belgium*

**ORLANDINI SILVIA**, Međunarodni odbor za praćenje proizvodnosti domaćih životinja, Rim, Italija / *International Committee for Animal Recording (ICAR), Rome, Italy*

**PIHLSTRÖM TUIJA**, Nacionalna agencija za hranu, Uppsala, Švedska / *National Food Agency, Uppsala, Sweden*

**RIBEIRO ALVARO**, EUROLAB, Lisabon, Portugal / *EUROLAB – European Federation of National Associations of Measurement, Testing and Analytical Laboratories, Lisbon, Portugal*

**TABACHNIKOFF SHIRA**, Europska agencija za sigurnost hrane (EFSA), Parma, Italija  
*European Food Safety Authority (EFSA), Parma, Italy*

**TOLUŠIĆ TOMISLAV**, Ministarstvo poljoprivrede Republike Hrvatske, Zagreb, Hrvatska  
*Ministry of Agriculture of the Republic of Croatia, Zagreb, Croatia*

#### **ZNANSTVENO-STRUČNI PROGRAM / SCIENTIFIC-PROFESSIONAL PROGRAM**

Kongres će se odvijati u obliku plenarnih predavanja, usmenih izlaganja, satelitskih simpozija, radionica i postera. Usmena izlaganja mogu biti na hrvatskom ili engleskom jeziku. / *The Congress will be organized in a form of plenary lectures, oral presentations, satellite symposia, workshops, and posters. Oral presentations may be in Croatian or English.*

#### **TEME / TOPICS**

##### **1. ZDRAVSTVENA ISPRAVNOST I KVALITETA HRANE, UČINCI NA ZDRAVLJE, ZAŠTITA ZDRAVLJA I PRAVA POTROŠAČA / HEALTH SAFETY AND FOOD QUALITY, EFFECTS ON HEALTH, HEALTH PROTECTION AND CONSUMER RIGHTS**

Teme iz područja zdravstvene ispravnosti i kvalitete hrane s naglaskom na učinke na zdravlje ljudi, kontaminante u hrani, nove trendove u analizi kontaminanata i alergena, a sve s ciljem zaštite zdravlja i prevencije bolesti kao i zaštite prava potrošača (nutricionisti, liječnici, analitičari – laboratorij, nadležna tijela, udruge potrošača) / *Health safety and food quality with emphasis on the effects on human health, food contaminants, new trends in contaminant and allergen analysis, all with the aim of health protection and prevention of disease as well as consumer rights protection (nutritionists, doctors, analysts – laboratories, competent bodies, consumer associations)*

##### **2. PROIZVODNJA, SKLADIŠTENJE I DISTRIBUCIJA HRANE, AMBALAŽA PRODUCTION, STORAGE AND DISTRIBUTION OF FOOD, PACKAGING**

Informiranje subjekata u poslovanju s hranom o novim zakonskim propisima vezanim uz obaveze i prava subjekata u poslovanju s hranom. Prikazi dobre proizvođačke prakse, izazovi u proizvodnji, skladištenju i distribuciji hrane (proizvođači, distributeri) / *Informing food business entities about new legal regulations related to the obligations and rights of food business operators. Good manufacturing practices, challenges in production, storage and distribution of food (manufacturers, distributors)*

##### **3. NAJNOVIJI TRENDVI (NOVE BRZE METODE ZA ODREĐIVANJE ZDRAVSTVENE ISPRAVNOSTI I KVALITETE HRANE, „NOVA HRANA“) / RECENT TRENDS IN FOOD (NOVEL AND RAPID METHODS FOR DETERMINING FOOD QUALITY, INTEGRITY AND SAFETY, “NOVEL FOOD“)**

Prikaz najnovijih analitičkih tehnika i metoda u identifikaciji i kvantifikaciji bioloških, kemijskih i fizikalnih opasnosti u hrani. Mogućnost stavljanja nove hrane na tržište i prepoznavanje nove hrane na tržištu (proizvođači, distributeri, laboratoriji) / *Latest analytical techniques and methods in identification and qualification of biological, chemical and physical hazards in food. Possibility of placing new food on the market and recognition of new food on the market (manufacturers, distributors, laboratories)*

##### **4. UPRAVLJANJE KVALITETOM U PROIZVODNJI, SKLADIŠTENJU I DISTRIBUCIJI HRANE KAO I U ISPITNIM LABORATORIJIMA I DRUGIM TIJELIMA ZA OCIJENJIVANJE SUKLADNOSTI / QUALITY MANAGEMENT IN PRODUCTION, STORAGE, AND DISTRIBUTION AS WELL AS IN LABORATORIES AND OTHER CONFORMITY ASSESSMENT BODIES**

Osiguranje i kontrola kvalitete te upravljanje kvalitetom u svim fazama proizvodnje, skladištenja i distribucije hrane te laboratorijskih ispitivanja (proizvođači, distributeri, laboratorij, akreditacijska i certifikacijska tijela) / *Quality assurance and control, quality management at all stages of production, storage, distribution and laboratory testing of food (manufacturers, distributors, laboratories, accreditation and certification bodies)*

#### 5. IZVORNOST I ZEMLJOPISNO PORIJEKLO, PATVORENOST HRANE / FOOD

##### **AUTHENTICITY AND INTEGRITY, ECOLOGICAL PRODUCTION AND FOOD FRAUD**

Teme iz područja zaštite izvrsnosti i zemljopisnog porijekla proizvoda, ekološke proizvodnje, označavanje proizvoda. Problem patvorenja hrane i detekcije patvorenja (proizvođači, distributeri, laboratoriji, inspeksijska tijela) / *Topics from the field of protection of the origin, ecological production, labelling of products. Problem of food fraud and detection of fraud (manufacturers, distributors, laboratories, inspection bodies)*

#### 6. UTJECAJ OKOLIŠNIH ČIMBENIKA NA SIGURNOST HRANE / ENVIRONMENTAL

##### **IMPACT ON FOOD SAFETY**

Utjecaj okolišnih čimbenika (voda, zrak, tlo, klimatske promjene) na proizvodnju kao i na sigurnosti i kvalitetu hrane (proizvođači, distributeri, laboratoriji, inspeksijska tijela) / *Influence of environmental factors (water, air, soil, climate change) on production as well as on food safety and quality (producers, distributors, laboratories, inspection bodies)*

#### 7. KRIZNO KOMUNICIRANJE I JAVNO ZDRAVSTVO / RISK COMMUNICATION AND

##### **PUBLIC HEALTH**

Radionica o postupanju u slučaju kriznih i akcidentnih situacija te krizno komuniciranje s javnošću (inspekcije, proizvođači, laboratoriji) / *Crisis and accident management, and crisis communication (inspectors, producers, laboratories)*

#### 8. PROCJENA RIZIKA I UPRAVLJANJE RIZICIMA / RISK ASSESSMENT AND RISK

##### **MANAGEMENT**

Identifikacija mogućih rizika, procjena rizika i upravljanje rizicima u svima dijelovima sustava sigurnosti hrane (proizvođači, distributeri, laboratoriji, inspeksijska tijela) / *Identification of possible risks, risk assessment and risk management in all areas of the food safety system (manufacturers, distributors, laboratories, inspection bodies)*

#### 9. OSTALE POVEZANE TEME / OTHER RELATED TOPICS

## KONAČNI PROGRAM / FINAL PROGRAM

### UTORAK, 21. studenoga 2017. / TUESDAY, November 21, 2017

#### SEMINAR EUROPSKOG CENTRA ZA LABORATORIJSKU IZVRSNOST (dvorana 1B) EUROPEAN CENTER FOR LABORATORY EXCELLENCE COURSE (Hall B)

14:00 - 15:00 Registracija / Registration

**dvorana 1B / hall 1B**

15:00 - 16:30 IZAZOVI U PROCJENJIVANJU MJERNE NESIGURNOSTI  
CHALLENGES IN THE EVALUATION OF MEASUREMENT UNCERTAINTY  
**GAŠLJEVIĆ VIŠNJA**

16:30 - 17:00 Pauza za kavu / Coffee break

17:00 - 18:30 IZAZOVI U PROCJENJIVANJU MJERNE NESIGURNOSTI – nastavak  
CHALLENGES IN THE EVALUATION OF MEASUREMENT UNCERTAINTY - cont.  
**GAŠLJEVIĆ VIŠNJA**

19:30 Koktel dobrodošlice u lobbyju hotela Royal / Welcome cocktail in the hotel Royal lobby

### SRIJEDA, 22. studenoga 2017. / WEDNESDAY, November 22, 2017

08:00 - 18:15 Registracija / Registration

**dvorana 1A+1B+1C zajedno / hall 1A+1B+1C**

09:00 - 10:00 Svečano otvorenje Kongresa / Opening ceremony

10:00 - 10:30 **ANDRIUKAITIS VYTENIS**, Europska komisija, Povjerenik za zdravlje i sigurnost hrane, Bruxelles, Belgija / *European Commission, Health & Food Safety Commissioner, Brussels, Belgium*

10:30 - 11:00 Pauza za kavu + izjave za medije / Coffee break + statements for the media

- 11:00 - 13:00 Plenarna predavanja / Plenary lectures**  
Voditelj sekcije / Moderator: Mislav Togonal
- 11:00 - 11:30 DIFFERENT QUALITY OF SEEMINGLY SAME PRODUCTS IN THE EU  
**BORZAN BILJANA**, Europski parlament, Bruxelles, Belgija; Strasbourg, Francuska / *European Parliament, Brussels, Belgium; Strasbourg, France*
- 11:30 - 12:00 THE RISKS AND BENEFITS OF COMMUNICATING ABOUT FOOD SAFETY  
**TABACHNIKOFF SHIRA**, Europska agencija za sigurnost hrane (EFSA), Parma, Italija / *European Food Safety Authority (EFSA), Parma, Italy*
- 12:00 - 12:30 **McIFF COLIN**, Ravnatelj europskog ureda Američke agencije za hranu i lijekove (FDA), Bruxelles, Belgija / *Director of the FDA (US Food and Drug Administration) Europe Office, Brussels, Belgium*
- 12:30 - 13:00 AN EUROPEAN VIEW ON THE NEED OF TESTING AND MARKET SURVEILLANCE ACTIVITIES TO ASSURE SAFETY AND QUALITY OF FOOD IN A GLOBAL MARKET  
**RIBEIRO ALVARO**, Predsjednik EUROLAB-a, Lisabon, Portugal  
*EUROLAB President, Lisbon, Portugal*
- 13:00 - 14:30 Pauza za ručak / *Lunch break*
- 14:30 - 16:15 Plenarna predavanja / Plenary lectures**  
Voditelji sekcije / Moderators: Jelena Đugum, Vera Katalinić-Janković, Ana Stavljenić Rukavina
- 14:30 - 14:45 SOUTH EAST EUROPEAN NETWORK FOR FOOD SAFETY AND QUALITY CONTROL – SEEN-FSQC  
**ŠOSTAR ZVONIMIR**, Nastavni zavod za javno zdravstvo „Dr. Andrija Štampar“, Zagreb, Hrvatska / *Andrija Štampar Teaching Institute of Public Health, Zagreb, Croatia*
- 14:45 - 15:15 Ministarstvo poljoprivrede Republike Hrvatske / *Ministry of Agriculture of the Republic of Croatia*
- 15:15 - 15:30 COMMISSION REGULATION (EU) ON THE APPLICATION OF CONTROL & MITIGATION MEASURES TO REDUCE THE PRESENCE OF ACRYLAMIDE IN FOOD – GREAT CHALLENGES FOR FOOD BUSINESS OPERATORS  
**VAZDAR RUŽICA**, Ministarstvo zdravstva Republike Hrvatske, Zagreb, Hrvatska / *Ministry of Health of the Republic of Croatia, Zagreb, Croatia*

- 15:30 - 15:45 CHALLENGES IN INFORMATIZATION AND NETWORKING OF SANITARY INSPECTION AND OFFICIAL FOOD LABORATORIES  
**FRANIĆ ROMANA**, Ministarstvo zdravstva Republike Hrvatske, Zagreb, Hrvatska / *Ministry of Health of the Republic of Croatia, Zagreb, Croatia*
- 15:45 - 16:00 THE ASSESSMENT OF COMPLIANCE OF ORGANIC FOOD LABELLING WITH THE EXISTING LEGISLATIVE FRAMEWORK ON THE CROATIAN MARKET – COMPARISON WITH THE STATUS BEFORE CROATIAN ACCESSION TO THE EUROPEAN UNION  
**LUŠIĆ DRAŽEN**, Medicinski fakultet Sveučilište u Rijeci, Rijeka, Hrvatska / *Faculty of Medicine, University of Rijeka, Rijeka, Croatia*
- 16:00 - 16:30 Pauza za kavu / *Coffee break*
- 16:30 - 18:30 Plenarna predavanja / Plenary lectures**  
Voditelji sekcije / Moderators: Mirjana Hruškar, Zvonimir Šostar, Sandra Šikić
- 16:30 - 17:00 REFERENCE SYSTEM FOR SOMATIC CELL COUNTING ACTUAL CHALLENGES WITH GLOBAL EQUIVALENCE WITH MILK ANALYSES  
**ORLANDINI SILVIA**, Međunarodni odbor za praćenje proizvodnosti domaćih životinja, Rim, Italija / *International Committee for Animal Recording (ICAR), Rome, Italy*
- 17:00 - 17:30 ANALYSIS OF PESTICIDE RESIDUES IN FOOD USING ETHYL ACETATE EXTRACTION AND DETECTION WITH GC- AND LC-MS/MS (SweEt) INCLUDING THE APPLICATION OF THE SANTE QUALITY GUIDANCE DOCUMENT  
**PIHLSTRÖM TUIJA**, Nacionalna agencija za hranu, Upsalla, Švedska  
*National Food Agency, Uppsala, Sweden*
- 17:30 - 18:00 ON THE USE OF MODERN ANALYTICAL TECHNIQUES FOR THE CHARACTERISATION OF BIOLOGICALLY ACTIVE COMPOUNDS IN FOOD  
**BULSKA EWA**, Kemijski fakultet Sveučilišta u Varšavi, Varšava, Poljska  
*Faculty of Chemistry, University of Warsaw, Warsaw, Poland*
- 18:00 - 18:30 MYCOTOXINS IN FOOD: A REAL CHALLENGE FOR THE AGRI-FOOD CHAIN  
**BRERA CARLO**, Talijanski nacionalni institut za zdravstvo, Rim, Italija  
*Italian National Institute of Health, Rome, Italy*
- 18:30 - 18:45 PHYSICAL ACTIVITY AND NUTRITION  
**KRISTIČEVIĆ TOMISLAV**, Dekan Kineziološkog fakulteta Sveučilišta u Zagrebu, Zagreb, Hrvatska / *Faculty of Kinesiology University of Zagreb dean, Zagreb, Croatia*



## ČETVRTAK, 23. studenoga 2017. / THURSDAY, November 23, 2017

08:30 - 18:00 Registracija / Registration

### dvorana 1A+1B+1C zajedno / hall 1A+1B+1C

Voditelji sekcije / Moderators: Andrea Gross Bošković, Ana Maria Crnić, Adela Krivohlavek

09:00 - 09:30 STATE OF PLAY IN NOVEL FOODS

**BABIĆ IVONA**, Europska komisija, Uprava za veterinarstvo i sigurnost hrane, Bruxelles, Belgija / *European Commission, DG Health and Food Safety Directorate (DG SANTE), Unit E2 – Food processing technologies and novel foods, Brussels, Belgium*

09:30 - 09:45 PATULIN IN APPLE JUICES - RISK ASSESSMENT

**GROSS BOŠKOVIĆ A**, Hrvatska agencija za hranu, Osijek, Hrvatska  
*Croatian Food Agency, Osijek, Croatia*

09:45 - 10:00 LABORATORY TESTS AS SERVICE TO CERTIFICATION (CONTROL) BODIES FOR ORGANIC PRODUCTION

**ŠPANIĆ CICELI N**, Hrvatska akreditacijska agencija, Zagreb, Hrvatska  
*Croatian Accreditation Agency, Zagreb, Croatia*

10:00 - 10:15 RISK MANAGEMENT IN FOOD PRODUCTION THROUGH INTEGRATED MANAGEMENT SYSTEM

**DINIĆ T**, Ledo d.d., Zagreb, Hrvatska / *Ledo Inc., Zagreb, Croatia*

10:15 - 10:30 RISK ASSESSMENT OF PESTICIDE RESIDUES IN FOOD

**PROKURICA PAVLINIĆ I**, Hrvatski centar za poljoprivredu hranu i selo, Zagreb, Hrvatska / *Croatian Center for Agriculture, Food and Rural Affairs, Zagreb, Croatia*

10:30 - 11:00 FOOD PACKAGING AND FOOD CONTACT MATERIALS - REGULATIONS AND ANALYTICAL SOLUTIONS

**LEITNER E**, Tehničko sveučilište u Grazu, Graz, Austrija / *Graz University of Technology, Graz, Austria*

11:00 - 11:15 CRISIS COMMUNICATION: LEARNING FROM MISTAKES - FAILURE IS INSTRUCTIVE!

**MIKRUT VUNJAK S**, Hrvatska agencija za hranu, Osijek, Hrvatska  
*Croatian Food Agency, Osijek, Croatia*

11:15 - 11:25 CROATIAN CLUSTER OF COMPETITIVENESS (FOOD MANUFACTURING SECTOR - IMPROVING COMPETITIVENESS OF PPS, INNOVATION PROCESSES AND INTERNATIONALIZATION

**NOVAK Z**, Hrvatski klaster konkurentnosti, Zagreb, Hrvatska / *Croatian Cluster of Competitiveness, Zagreb, Croatia*

11:25 - 11:35 EPIDEMIOLOGICAL DATA ON FOOD-BORNE DISEASES

**CAPAK K**, Hrvatski zavod za javno zdravstvo, Zagreb, Hrvatska  
*Croatian National Institute of Public Health, Zagreb, Croatia*

11:35 - 11:45 Diskusija / Discussion

11:45 - 12:00 Pauza za kavu / Coffee break

Voditelji sekcije / Moderators: Daria Vranešić Bender, Tomislav Bolanča, Irena Žuntar

12:00 - 12:15 HOW SAFE IS SAFE? ANALYTICAL TOOLS FOR THE DETERMINATION OF CONTAMINANTS IN FOOD

**OPPERMAN U**, Shimadzu Europa GmbH, Duisburg, Njemačka  
*Shimadzu Europe GmbH, Duisburg, Germany*

12:15 - 12:30 SALT CONTENT IN CURED SAUSAGES: TIME FOR REFORMULATION

**POPOVIĆ M**, Medicinski fakultet Sveučilišta u Novom Sadu, Novi Sad, Srbija / *Faculty of Medicine, University of Novi Sad, Novi Sad, Serbia*

12:30 - 12:45 SODIUM CONTENT AND THE MOST IMPORTANT DIETARY SOURCES OF SODIUM IN A SAMPLE OF STUDENT POPULATION

**GRABEŽ M**, Medicinski fakultet Sveučilišta u Banja Luci, Banja Luka, BIH / *Faculty of Medicine, University of Banja Luka, Banja Luka, Bosnia and Herzegovina*

12:45 - 13:00 Sponzorirano predavanje - Alphachrom (Brončani sponzor)

*Sponsored lecture - Alphachrom (Bronze sponsor)*

THE USE OF GC QTOF DERIVED ACCURATE MASS, HIGH RESOLUTION DATA FOR RESIDUE SCREENING IN FOOD COMMODITIES

**UPTON J**, Agilent Technologies, Stockport, Ujedinjeno Kraljevstvo  
*Agilent Technologies, Stockport, United Kingdom*

13:00 - 13:15	Sponzorirano predavanje - Kobis / <i>Sponsored lecture - Kobis</i>	
	IMPORTANCE OF SAMPLE PREPARATION FOR CHROMATOGRAPHY ANALYSIS <b>KAZALAC A</b> , Kobis d.o.o., Zagreb, Hrvatska / <i>Kobis Ltd., Zagreb, Croatia</i>	
13:15 - 13:30	Sponzorirano predavanje - Labena / <i>Sponsored lecture - Labena</i>	
	PROTECT YOUR "BRAND" WITH VALIDATED RAPID METHODS - REAL-TIME PCR, CHROMOGENIC MEDIA <i>FAST &amp; EASY ALTERNATIVE METHODS FOR MICROBIOLOGICAL ANALYSIS</i> <b>JASTRZEBSKA-CZUBAK M</b> , Bio-Rad Laboratories	
13:30 - 14:45	Pauza za ručak / <i>Lunch break</i>	
	<b>dvorana 1A / hall 1A</b>	<b>dvorana 1B+1C / hall 1B+1C</b>
	Voditelji sekcije / <i>Moderators:</i> Krunoslav Capak, Vladimir Petrović, Vesna Hrženjak	Voditelji sekcije / <i>Moderators:</i> Nives Galić, Jasna Bošnić, Martina Ivešić
15:00 - 15:15	CELIAC DISEASE IN ADULT POPULATION: CHALLENGES IN COMPLIANCE TO THE GLUTEN-FREE DIET <b>VRANEŠIĆ BENDER D</b> , KBC Zagreb, Zagreb, Hrvatska <i>University Hospital Centre Zagreb, Zagreb, Croatia</i>	PLANT TOXINS <b>IVEŠIĆ M</b> , Nastavni zavod za javno zdravstvo „Dr. Andrija Štampar“, Zagreb, Hrvatska / <i>Andrija Štampar Teaching Institute of Public Health, Zagreb, Croatia</i>
15:15 - 15:30	NOVEL FOOD AND FOOD SUPPLEMENTS – SIMILARITY AND DIFFERENCES <b>POLLAK L</b> , Hrvatski zavod za javno zdravstvo, Zagreb, Hrvatska / <i>Croatian National Institute of Public Health, Zagreb, Croatia</i>	MYCOTOXINS, HEAVY METALS AND PESTICIDE RESIDUES IN CROATIAN CEREALS <b>KOVAČ M</b> , Inspecto d.o.o., Đakovo, Hrvatska / <i>Inspecto Ltd., Đakovo, Croatia</i>

15:30 - 15:45	AVAILABILITY AND SAFETY OF HEMP FOOD PRODUCTS IN SLOVENIA <b>ARNUŠ L</b> , Nacionalni laboratorij za zdravlje, okoliš i prehranu, Maribor, Slovenija <i>National Laboratory of Health, Environment and Food, Maribor, Slovenia</i>	MUSHROOM METABOLITES IN A CONTROL OF FOOD CONTAMINATION WITH MYCOTOXINES <b>LONČAR J</b> , Sveučilište u Zadru, Zadar, Hrvatska / <i>University of Zadar, Zadar, Croatia</i>
15:45 - 16:00	FOOD BORN ALLERGENS AS A POSSIBLE PUBLIC HEALTH PROBLEM <b>LASIĆ D</b> , Nastavni zavod za javno zdravstvo „Dr. Andrija Štampar“, Zagreb, Hrvatska <i>Andrija Štampar Teaching Institute of Public Health, Zagreb, Croatia</i>	MYCOTOXINS IN CORN PRODUCTS: FUMONISINS <b>TOROVIĆ LJ</b> , Medicinski fakultet Sveučilišta u Novom Sadu, Novi Sad, Srbija / <i>Faculty of Medicine, University of Novi Sad, Novi Sad, Serbia</i>
16:00 - 16:15	MONITORING OF SPECIFIC FOOD SAFETY AND QUALITY INDICATORS WITH ADDED VALUES AND PROMOTIVE HEALTH EFFECTS <b>JURČEVIĆ PODOBNIK V</b> , Nastavni zavod za javno zdravstvo PGŽ, Rijeka, Hrvatska <i>Teaching Institute of Public Health of Primorsko-Goranska County, Rijeka, Croatia</i>	MICROBIOLOGICAL ASSESSMENT OF READY-TO-EAT VEGETABLES IN DUBROVNIK-NERETVA COUNTY <b>LJEVAKOVIĆ-MUSLADIN I</b> , Zavod za javno zdravstvo Dubrovačko-neretvanske županije, Dubrovnik, Hrvatska / <i>Institute of Public Health of Dubrovačko-Neretvanska County, Dubrovnik, Croatia</i>

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16:15 - 16:30	MANAGEMENT OF SUSTAINABLE SUPPLY CHAIN - CHALLENGES AND BENEFITS <b>VDOVIĆ N</b> , DNV GL Adriatica d.o.o, Zagreb, Hrvatska / <i>DNV GL Adriatica Ltd., Zagreb, Croatia</i>	FOOD SAFETY APPLICATION OF TANDEM MASS SPECTROMETRY USING A NOVEL FLOW-BASED DESIGN OF ION OPTICS <b>BISI A</b> , Perkin Elmer Italia, Milano, Italija / <i>Perkin Elmer Italia, Milan, Italy</i>
16:30 - 16:45	TECHNOLOGY OF CHEESE PRODUCTION AND RIPENING IN CHEESE MATURATION ROOMS AND POSSIBILITIES OF CHEESE MITES PREVENTION <b>VEŠLIGAJ B</b> , Dukat d.d., Zagreb, Hrvatska / <i>Dukat Inc., Zagreb, Croatia</i>	GMO ANALYSIS IN CROATIA: CURRENT APPROACHES AND NEW CHALLENGES <b>HANZER R</b> , Hrvatski centar za poljoprivredu, hranu i selo, Osijek, Hrvatska / <i>Croatian Center for Agriculture, Food and Rural Affairs, Osijek, Croatia</i>
16:45 - 17:00	EXAMINATION OF CONSUMERS ATTITUDES IN THE FBiH ON THE IMPORTANCE OF QUALITY ASSIGNMENT <b>PAKLARČIĆ M</b> , Zavod za javno zdravstvo SBK/KSB Travnik, Travnik, BiH / <i>Public Health Institute SBK/KSB Travnik, Travnik, Bosnia and Herzegovina</i>	CONTROL OF ILLEGAL USE OF NATURAL SEX HORMONES IN FARMING ANIMALS <b>SAMARDŽIJA M</b> , Veterinarski fakultet Sveučilišta u Zagrebu, Zagreb, Hrvatska / <i>Faculty of Veterinary Medicine, University of Zagreb, Zagreb, Croatia</i>
17:00 - 17:15	Diskusija / <i>Discussion</i>	Diskusija / <i>Discussion</i>
17:30 - 19:00	Razgledavanje postera i pauza za kavu <i>Coffee break and poster viewing</i>	
20:30	Zajednička večera u hotelu Royal / <i>Congress dinner at hotel Royal</i>	

**PETAK, 24. studenoga 2017. / FRIDAY, November 24, 2017**

08:30 - 12:00	Registracija / <i>Registration</i>	
	<b>dvorana 1A / hall 1A</b>	<b>dvorana 1B+1C / hall 1B+1C</b>
	Voditelji sekcije / <i>Moderators</i> : Marija Romić, Boris Šarkanj, Nataša Mikulec	Voditelj sekcije / <i>Moderators</i> : Ana Čop, Vesna Popijač, Nataša Gladović
09:00 - 09:15	DETERMINATION THE ADULTERATION OF MILK WITH MILK POWDER USING A MODIFIED SPECTROPHOTOMETRIC METHOD <b>MIKULEC N</b> , Agronomski fakultet Sveučilišta u Zagrebu, Zagreb, Hrvatska / <i>Faculty of Agriculture, University of Zagreb, Zagreb, Croatia</i>	FIVE KEYS FOR RELIABLE TEST RESULTS AS A PREREQUISITE FOR QUALITY AND SAFETY OF FOOD <b>DEVČIĆ JERAS A</b> , Nastavni zavod za javno zdravstvo „Dr. Andrija Štampar“, Zagreb, Hrvatska / <i>Andrija Štampar Teaching Institute of Public Health, Zagreb, Croatia</i>
09:15 - 09:30	MONITORING OF TRACE METALS IN URBAN SOILS FOR HEALTHIER CITY <b>ROMIĆ M</b> , Agronomski fakultet Sveučilišta u Zagrebu, Zagreb, Hrvatska / <i>Faculty of Agriculture, University of Zagreb, Zagreb, Croatia</i>	PUBLIC DINING-ROOM: A PLACE OF A HEALTH-PROVED, SAFE AND QUALITY MEAL <b>ŽUPAN A</b> , Ustanova „Dobri dom“ Grada Zagreba, Zagreb, Hrvatska / <i>City of Zagreb institution Dobri dom, Zagreb, Croatia</i>
09:30 - 09:45	METALS IN ORGANICALLY AND CONVENTIONALLY PRODUCED WINES IN CROATIA <b>KRIVOHLAVEK A</b> , Nastavni zavod za javno zdravstvo „Dr. Andrija Štampar“, Zagreb, Hrvatska / <i>Andrija Štampar Teaching Institute of Public Health, Zagreb, Croatia</i>	QUALITY STANDARDS IN PRACTICE AS ESSENTIAL BASE FOR MARKET SURVIVAL AND POSITIVE IMAGE <b>KOLEK SIROVINA K</b> , Biovega d.o.o., Zagreb, Hrvatska / <i>Biovega Ltd., Zagreb, Croatia</i>

09:45 - 10:00	PHYSIOLOGICAL, ULTRASTRUCTURAL AND PROTEOMIC RESPONSES OF TOBACCO SEEDLINGS EXPOSED TO SILVER NANOPARTICLES AND SILVER NITRATE <b>BALEN B</b> , Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu, Zagreb, Hrvatska / Faculty of Science, University of Zagreb, Zagreb, Croatia	CLEANING VALIDATION PROCESS IN THE MANUFACTURE OF DIETARY SUPPLEMENTS <b>KORČOK D</b> , Abela Pharm d.o.o., Beograd, Srbija / Abela Pharm Ltd., Beograd, Serbia
10:00 - 10:15	HOW DOES THE RESISTANCE TO FUSARIUM HEAD BLIGHT EFFECT THE DEOXYNIVALENOL ACCUMULATION IN WHEAT? <b>ŠARKANJ B</b> , Prehrambeno-tehnološki fakultet Sveučilišta u Osijeku, Osijek, Hrvatska / Faculty of Food Technology, University of Osijek, Osijek, Croatia	FOOD SAFETY - QUALITY – SUSTAINABILITY <b>GLADOVIĆ N</b> , Atlantic Grupa, Droga Kolinska d.d., Ljubljana, Slovenija / Atlantic Group, Droga Kolinska, Ljubljana, Slovenia
10:15 - 10:30	Diskusija / Discussion	IZAZOVI STANDARDIZACIJE <b>BILANDŽIJA A</b> , Bureau Veritas, Rijeka, Hrvatska / Bureau Veritas, Rijeka, Croatia
10:30 - 10:45		Diskusija / Discussion
10:45 - 11:15	Pauza za kavu / Coffee break	

	Voditelji sekcije / Moderators: Matijana jergović, Vedran Poljak, Dario Lasić	Voditelji sekcije / Moderators: Biserka Brezak Bajzek, Branko Kolarić, Sanja Kalambura
11:15 - 11:30	ENVIRONMENTAL HEALTH PRIORITIES AND PUBLIC HEALTH TRENDS IN CROATIA - RISK COMMUNICATION AND RISK MANAGEMENT <b>JERGOVIĆ M</b> , Nastavni zavod za javno zdravstvo „Dr. Andrija Štampar“, Zagreb, Hrvatska Andrija Štampar Teaching Institute of Public Health, Zagreb, Croatia	CONTROL AND INSPECTION OF MEAT AND MEAT PRODUCTS IN SLAUGHTERHOUSES IN CROATIA <b>LEGEN S</b> , Bioinstitut d.o.o., Čakovec, Hrvatska / Bioinstitut Ltd., Čakovec, Croatia
11:30 - 11:45	PESTICIDE-HANDLING PRACTICE AMONG NON-PROFESSIONAL VEGETABLE GROWERS <b>POLJAK M</b> , Nastavni zavod za javno zdravstvo „Dr. Andrija Štampar“, Zagreb, Hrvatska Andrija Štampar Teaching Institute of Public Health, Zagreb, Croatia	EFFECTIVE FOOD WASTE MANAGEMENT AND ENVIRONMENTAL RISK REDUCTION <b>KALAMBURA S</b> , Veleučilište Velika Gorica, Velika Gorica, Croatia University of Applied Sciences Velika Gorica, Velika Gorica, Croatia
11:45 - 12:00	RISK ASSESSMENT OF DRINKING WATER FROM PUBLIC WELLS <b>BIJELOVIĆ S</b> , Medicinski fakultet Sveučilišta u Novom Sadu, Novi Sad, Srbija / Faculty of Medicine, University of Novi Sad, Novi Sad, Serbia	THE ROLE OF NUTRITIONAL STATUS IN THE ELDERLY AND NUTRITIONAL-GERONTOLOGIC STANDARDS <b>TOMEK ROKSANDIĆ S</b> , Nastavni zavod za javno zdravstvo „Dr. Andrija Štampar“, Zagreb, Hrvatska / Andrija Štampar Teaching Institute of Public Health, Zagreb, Croatia

12:00 - 12:15	BENEFIT AND THE RISK OF SEA FOOD <b>POLJAK V</b> , Hrvatski zavod za javno zdravstvo, Zagreb, Hrvatska <i>Croatian National Institute of Public Health, Zagreb, Croatia</i>	THE ROLE OF MONITORING NUTRITIONAL STATUS IN THE ELDERLY VIA NRS 2002/GeroS/CEZIH WEB SERVICE <b>KOLARIĆ B</b> , Nastavni zavod za javno zdravstvo „Dr. Andrija Štampar“, Zagreb, Hrvatska <i>Andrija Štampar Teaching Institute of Public Health, Zagreb, Croatia</i>
12:15 - 12:30	Diskusija / Discussion	Diskusija / Discussion
12:30 - 13:00	Zatvaranje kongresa / Congress closing	

## POSTERI / POSTERS

### 1 ZDRAVSTVENA ISPRAVNOST I KVALITETA HRANE, UČINCI NA ZDRAVLJE, ZAŠTITA ZDRAVLJA I PRAVA POTROŠAČA / HEALTH SAFETY AND FOOD QUALITY, EFFECTS ON HEALTH, HEALTH PROTECTION AND CONSUMER RIGHTS

- 1-1 PREVALENCE AND ANTIMICROBIAL RESISTANCE OF GRAM NEGATIVE BACTERIA ISOLATED FROM FOOD SAMPLES IN ZENICA-DOBOJ CANTON, BOSNIA AND HERZEGOVINA  
**IBRAHIMAGIĆ A**, Institut za zdravlje i sigurnost hrane, Zenica, Bosna i Hercegovina / *Institute for Public Health and Food Safety Zenica, Zenica, Bosnia and Herzegovina*
- 1-2 CONTROL OF HISTAMINE IN SAMPLES OF FISH AND ITS PRODUCTS AS FOOD RISK  
**PETKOVIĆ V**, Institut za javno zdravstvo RS, Republika Srpska, Bosna i Hercegovina / *Public Health Institute RS, Republika Srpska, Bosnia and Herzegovina*
- 1-3 QUALITY CONTROL OF MILK FROM MILK VENDING MACHINES  
**MIKULEC N**, Zavod za mljekarstvo, Agronomski fakultet Sveučilišta u Zagrebu, Zagreb, Hrvatska / *Department of Dairy Science, Faculty of Agriculture, University of Zagreb, Zagreb, Croatia*
- 1-4 THE EFFECT OF CHANGING THE pH OF THE SOLUTION ON THE MIGRATION OF ALUMINUM FROM ZEOLITE  
**JANKOVIĆ M**, Gradski zavod za javno zdravlje Beograd, Beograd, Srbija  
*Institute of Public Health of Belgrade, Belgrade, Serbia*
- 1-5 NUTRITIONAL QUALITY OF MEALS SAMPLED IN PUBLIC PRESCHOOLS IN BELGRADE  
**KOPRIVICA D**, Gradski zavod za javno zdravlje Beograd, Beograd, Srbija  
*Institute of Public Health of Belgrade, Belgrade, Serbia*

1-6 DETERMINATION OF BENZIMIDAZOLE AND LEVAMISOLE RESIDUES IN ANIMAL LIVER TISSUES USING LIQUID CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY

**PAVLIČEK D**, Hrvatski veterinarski institut, Veterinarski zavod Križevci, Križevci, Hrvatska / *Croatian Veterinary Institute, Veterinary Institute Križevci, Križevci, Croatia*

1-7 THE ASSESSMENT OF QUALITY AND SAFETY OF IN-USED FRYING OILS IN THE RESTAURANTS AND FAST FOOD FACILITIES

**KNEZOVIĆ Z**, Nastavni zavod za javno zdravstvo Splitsko-dalmatinske županije, Split, Hrvatska / *Public Health Institute of Split and Dalmatian County, Split, Croatia*

1-8 LABELLING AND CONSUMING DRY FRUITS - HIDDEN INTAKE OF SUCROSE

**LUETIĆ S**, Nastavni zavod za javno zdravstvo Splitsko-dalmatinske županije, Split, Hrvatska / *Public Health Institute of Split and Dalmatian County, Split, Croatia*

1-9 INCIDENTS OF HISTAMINE INTOXICATION IN SLOVENIA – LESSONS LEARNED

**STOJANOVIĆ D**, Nacionalni zavod za javno zdravlje Ljubljana, Ljubljana, Slovenija, Medicinski fakultet, Ljubljana, Slovenija / *National Institute of Public Health, Ljubljana, Slovenia, Faculty of Medicine, Ljubljana, Slovenia*

1-10 FOODBORNE OUTBREAKS IN SLOVENIA

**STOJANOVIĆ D**, Nacionalni zavod za javno zdravlje Ljubljana, Ljubljana, Slovenija, Medicinski fakultet, Ljubljana, Slovenija / *National Institute of Public Health, Ljubljana, Slovenia, Faculty of Medicine, Ljubljana, Slovenia*

## 2 PROIZVODNJA, SKLADIŠTENJE I DISTRIBUCIJA HRANE, AMBALAŽA PRODUCTION, STORAGE AND DISTRIBUTION OF FOOD, PACKAGING

2-1 MIGRATION OF TOXIC COMPONENTS FROM FOOD CONTACT MATERIALS

**BARIČEVIĆ L**, Nastavni zavod za javno zdravstvo „Dr. Andrija Štampar“, Zagreb, Hrvatska / *Andrija Štampar Teaching Institute of Public Health, Zagreb, Croatia*

## 3 NAJNOVIJI TREND OVI (NOVE BRZE METODE ZA ODREĐIVANJE ZDRAVSTVENE ISPRAVNOSTI I KVALITETE HRANE „NOVA HRANA“) / RECENT TRENDS IN FOOD (NOVEL AND RAPID METHODS FOR DETERMINING FOOD QUALITY, INTEGRITY AND SAFETY, “NOVEL FOOD”)

3-1 PCR IN DETECTION OF LISTERIA MONOCYTOGENES

**KOVAČEK I**, Nastavni zavod za javno zdravstvo „Dr. Andrija Štampar“, Zagreb, Hrvatska / *Andrija Štampar Teaching Institute of Public Health, Zagreb, Croatia*

3-2 DETECTION OF ENTEROTOXIN PRODUCTION FROM STAPHYLOCOCCUS AUREUS STRAINS BY AUTOMATIZED VIDAS SYSTEM

**LEKIĆ J**, Institut za javno zdravlje Vojvodine, Novi Sad, Srbija / *Institute of Public Health of Vojvodina, Novi Sad, Serbia*

3-3 DETERMINATION OF ALLERGENIC RESIDUES OF CASEINATES IN CROATIAN WINES BY ENZYME-LINKED IMMUNOSORBENT ASSAY (ELISA)

**STRELEC DUČAK A**, Hrvatski centar za poljoprivredu, hranu i selo, Zavod za vinogradarstvo i vinarstvo, Zagreb, Hrvatska / *Croatian Centre for Agriculture, Food and Rural Affairs, Institute of Viticulture and Enology, Zagreb, Croatia*

3-4 APPLICATION OF MEMBRANE FILTRATION, WITH THE POSSIBILITY OF REMOVING THE LAB-AFM1 COMPLEX FROM MILK

**JAKOPOVIĆ Ž**, Prehrambeno-biotehnoški fakultet Sveučilišta u Zagrebu, Zagreb, Hrvatska / *Faculty of Food Technology and Biotechnology, University of Zagreb, Zagreb, Croatia*

3-5 A FAST SCREENING METHOD FOR DETERMINATION OF MELAMINE IN HIGH PROTEIN FOOD

**BEVARDI M**, Nastavni zavod za javno zdravstvo „Dr. Andrija Štampar“, Zagreb, Hrvatska / *Andrija Štampar Teaching Institute of Public Health, Zagreb, Croatia*

3-6 DETERMINATION OF CORTICOSTEROIDS USING LIQUID CHROMATOGRAPHY/TIME-OF-FLIGHT MASS SPECTROMETRY

**KOSIĆ-VUKŠIĆ J**, Nastavni zavod za javno zdravstvo „Dr. Andrija Štampar“, Zagreb, Hrvatska / *Andrija Štampar Teaching Institute of Public Health, Zagreb, Croatia*

- 3-7 THE TREND OF CHLORPYRIFOS CONCENTRATIONS OCCURRENCE ABOVE MRL IN FOOD SAMPLES

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- 3-8 ANTIMICROBIAL PROFILING OF PHYTOL AND THEIR MULTIDRUG RESISTANCE MODULATING EFFECTS

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**IVEŠIĆ M**, Nastavni zavod za javno zdravstvo „Dr. Andrija Štampar“, Zagreb, Hrvatska / *Andrija Štampar Teaching Institute of Public Health, Zagreb, Croatia*

- 3-10 THE NUTRITIONAL AND ANTIOXIDANT PROPERTIES OF STRAWBERRY TREE (ARBUTUS UNEDO L.) FRUIT

**BRČIĆ KARAČONJI I**, Institut za medicinska istraživanja i medicinu rada, Zagreb, Hrvatska / *Institute for Medical Research and Occupational Health, Zagreb, Croatia*

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**IDASZEWSKA N**, Tehnološki fakultet Sveučilišta u Poznanu, Poznan, Poljska / *Poznan University of Technology, Institute of Machines and Motor Vehicles, Poznan, Poland*

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- 4-3 EXPERIENCE IN ACCREDITATION OF CONFORMITY ASSESSMENT BODIES IN FOOD SECTOR

**ČOP A**, Hrvatska akreditacijska agencija, Zagreb, Hrvatska / *Croatian Accreditation Agency, Zagreb, Croatia*

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**HRG MATUŠIN Ž**, Hrvatska poljoprivredna agencija, Križevci, Hrvatska / *Croatian Agricultural Agency, Križevci, Croatia*

- 5-2 CHARACTERIZATION OF SATSUMA MANDARIN HONEY FROM THE NERETVA VALLEY REGION

**PRĐUN S**, Agronomski fakultet Sveučilišta u Zagrebu, Zagreb, Hrvatska / *Faculty of Agriculture, University of Zagreb, Zagreb, Croatia*

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**PERŠURIĆ Ž**, Sveučilište u Rijeci, Rijeka, Hrvatska / *Centre for High-throughput technologies, Department of Biotechnology, University of Rijeka, Rijeka, Croatia*

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**JADRIJEVIĆ-MLADAR TAKAČ M**, Farmaceutsko-biokemijski fakultet Sveučilišta u Zagrebu, Zagreb, Hrvatska / *Faculty of Pharmacy and Biochemistry, University of Zagreb, Zagreb, Croatia*

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**MAJSTOROVIĆ D**, Nastavni zavod za javno zdravstvo „Dr. Andrija Štampar“, Zagreb, Hrvatska / *Andrija Štampar Teaching Institute of Public Health, Zagreb, Croatia*
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- 9-3 PHYTOCHEMICAL CHARACTERIZATION OF POLYPHENOLS OF LAURUS NOBILIS L. (LAURACEAE) FROM THE NORTHERN AND CENTRAL ADRIATIC REGION

**JURIŠIĆ GRUBEŠIĆ R**, Farmaceutsko-biokemijski fakultet Sveučilišta u Zagrebu, Zagreb, Hrvatska / *Faculty of Pharmacy and Biochemistry, University of Zagreb, Zagreb, Croatia*

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- 9-5 IMPLEMENTATION OF GEROPROPHYLACTIC MEASURES IN THE PREVENTION OF OBESITY IN EARLY OLD AGE AND MALNUTRITION IN DEEP OLD AGE

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- 9-6 IMPLEMENTATION OF NUTRITIONAL STATUS DETERMINANTS IN CEZIH PANEL (NRS 2002 WEB SERVICE)

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ROLE OF A NURSE IN THE DIET OF A PATIENT

- 9-7 **ROTIM C**, Nastavni zavod za javno zdravstvo „Dr. Andrija Štampar“, Zagreb, Hrvatska / *Andrija Štampar Teaching Institute of Public Health, Zagreb, Croatia*

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