

31st Scientific and Educational Croatian Seminar on Disinfections, Disinfestations and Deratization (DDD) and Agricultural Stored-Product Protection (ZUPP)

DDD and ZUPP '19

- waste - ecological niche -

26th - 29th March 2019

NOVIGRAD (Istria), Aminess Maestral Hotel 4*

Under the auspices of:

Ministry of Health of Republic of Croatia
Croatian National Institute of Public Health
Ministry of Agriculture of Republic of Croatia
Ministry of Education and Science of Republic of Croatia

Organized by:

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Advisory and Scientific Committee (alphabetically):

Josip Bakić, dipl. inž. biologije (honorary member of Croatian Biological Society, 1885 Split)

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Holding of 31ST Scientific and Educational Croatian Seminar with international participation "DDD and ZUPP '19" is possible thanks to the financial support of sponsors.

Program of Seminar

26th March 2019 (Tuesday)

15:00 - 20:00 Welcome reception for the participants

27th March 2019 (Wednesday)

Program moderators: Vlatka Rozman, Pavle Jeličić

9:30 - 9:50 Welcome address

Introductory lecture

9:45 - 10:00 Josip Bakić - Waste in Statutory provisions during the medieval period of Coastal Croatia

Plenary lecture

10:00 - 10:20 Krunoslav Capak, Pavle Jeličić, Nataša Janev Holcer, Josip Bakić - Sanitary aspect of waste management

1. Session: Waste - ecological niche

Conveners: Vesna Šušnić, Mirela Jukić, Nediljko Landeka

10:20 - 10:35 Mirela Jukić, Ivana Hrga, Želimira Cvetković - Waste and waste legislation

10:35 - 10:50 Bruno Cvetković, Ana Klobučar, Sunčica Petrinić - Environmental hygiene as an important measure of rat control program

10:50 - 11:05 Nediljko Landeka - House composters as a new source of potential pests

11:05 - 11:20 Vesna Šušnić, Jelena Vuletić Lenić, Mirna Čoklo, Dijana Tomić Linšak, Dobrica Rončević, Danijela Lakošeljac - Sanitary and hygienic conditions of the Romani settlements in Rijeka

11:20 - 11:35 Jasna Zver^(Republic of Slovenia) - Implementation of DDD measures in the Public Waste Collection and Recycling Center

11:35 - 11:45 DISCUSSION

11:45 - 12:15 **PAUSE**

2. Session - Invasive species of mosquitoes and spreading in Republic of Croatia

Conveners: Pavle Jeličić, Lovro Bucić, Barbara Sladonja

12:15 - 12:30 Lovro Bucić, Nataša Janev Holcer, Pavle Jeličić, Krunoslav Capak - West Nile virus emergence in Croatia

12:30 - 12:45 Krunoslav Capak, Pavle Jeličić, Nataša Janev Holcer, Lovro Bucić, Ivan Trumbetić, Ana Klobučar, Nediljko Landeka, Toni Žitko, Dario Brdarić, Mateja Ljubas, Itana Bokan, Mirta Sudarić-Bogojević - The implementation of the national monitoring of invasive mosquito species in Croatia during 2018

12:45 - 13:00 Ana Klobučar, Ivana Vručina - Invasive mosquito *Aedes koreicus* (Edwards, 1917) - in anticipation of the findings in Croatia

13:00 - 13:15 Barbara Sladonja, Mirela Uzelac, Nediljko Landeka - Used tires - an ideal habitat for mosquito larvae

- 13:15 - 13:30 Mirta Sudarić Bogojević, Ivana Terzić, Ante Cvitković, Dragana Jurić, Željko Zahirović - Role of the ovitrap in the control of invasive mosquito species in Brod-Posavina County
- 13:30 - 13:45 Ivana Vručina, Enrih Merdić, Željko Zahirović, Kata Krešić, Ankica Ilić, Marija Cvitković, Antun Badžek, Mario Jularić, Ratko Zovkić, Branka Grujić - Investigation of invasive species of mosquitoes in Vukovar-Srijem county during 2018, Croatia
- 13:45 - 14:00 DISCUSSION
- 14:00 - 16:00 LUNCH BREAK**

3. Session: Food safety and food as waste

Conveners: Nada Efendić, Vedran Poljak, Vedrana Jurčević Podobnik

- 16:00 - 16:15 Vedran Poljak, Frane Strikić, Mario Bjeliš, Josip Gugić, Josip Gugić, Boris Antunović, Darja Sokolić - Food waste or loss of respect for food
- 16:15 - 16:30 Vedrana Jurčević Podobnik, Danijela Lakošeljac - Food safety management in food donation - the role of food business operators in food waste reducing
- 16:30 - 16:45 Božica Vešligaj, Goran Nidogon - How to Handle Waste Generated in the Production Process of the Industry for Processing and Production of Food of Animal Origin?
- 16:45 - 17:00 Nada Efendić - Failures to industrial waste deposits in Blattaria cockroaches populating certain food processing facility
- 17:00 - 17:15 DISCUSSION
- 17:15 - 18:15 ANNUAL ASSEMBLY of Croatian Pest Control Association** (*only for members*)

9:00 - 19:00 **Presentation of Industry / List of Exhibitors:** *AGORAM d.o.o. Zagreb, Agro Food d.o.o. Zagreb, AGROPROAGRO d.o.o. Podlehnik, Slovenija, BARBANCOMMERCE d.o.o. Barban, BUTEO d.o.o. Zagreb, DANON d.o.o. Donji Stupnik, FERLIN d.o.o. Zagreb, FLOREL d.o.o. Zagreb, GENERA d.d. Rakov Potok, Irto Trio Ltd. - Hungary, KORUNIĆ d.o.o. Zagreb, MEDICAL INTERTRADE d.o.o. Sv. Nedelja / Ienv Solutions Ltd. - United Kingdom, MOUNT TRADE d.o.o. Garešnica, PESTRID d.o.o. Zagreb, POMEL Sp. Z o.o. - Poljska, PRESSO d.o.o. Zagreb, UNICHEM AGRO d.o.o. Zagreb*

28th March 2019 (Thursday)

4. Session - Desinfection, dezinfestation, deratization in urban fauna

Conveners: Ivana Vrhovac Filipović, Ana Ješovnik, Anamarija Trbović

- 10:00 - 10:15 Ivana Vrhovac Filipović, Silva Kajić, Dubravka Marija Kreković - Sustainable use of biocides
- 10:15 - 10:30 Ana Ješovnik, Nediljko Landeka - The problem of alien ant species and proposal of border control protocol
- 10:30 - 10:45 Anamarija Trbović, Neiro Bilajac, Tihomir Grgat - Bedbug *Cimex lectularius* - public health significance and chemical treatment
- 10:45 - 11:00 Darka Hamel - Food pests in retailer shops and how to control them
- 11:00 - 11:15 Vlado Josić, Pavle Jeličić, Krunoslav Capak, Nediljko Landeka, Viviane Lušetić, Marina Marčeta Ivančić - A good example of the unification of the city of Pula and the Utility Company with the purpose of the complete and effective implementation of disinfection, disinsection and deratization measures and professional monitoring in the city of Pula

Sponsored program - promotional lectures:

- 11:15 - 11:25 Maksim Morhorko^(AGROPROAGRO d.o.o. Podlehnik, Republic of Slovenia) - By using Addict gel based on the active substance dinotefuran to the absolute cockroaches eradication effect
- 11:25 - 11:35 Maksim Mohorko^(AGROPROAGRO d.o.o. Podlehnik, Republic of Slovenia) - Significant efficacy of third generation rodenticide based on active substance alphachloralose in suppressing harmful rodents
- 11:35 - 11:50 DISCUSSION
- 11:50 - 12:15 **PAUSE**

5. Session - Stored agricultural products protection and forest protection

Conveners: Risto Vučkov, Boris Hrašovec, Anita Liška

- 12:15 - 12:30 Anita Liška, Vlatka Rozman, Zlatko Korunić, Pavo Lucić, Renata Baličević - Review of 12th International Working Conference on Stored Product Protection (IWCSPP) held in Berlin from 7th October to 11th October, 2018
- 12:30 - 12:45 Zlatko Korunić^(Canada) - Brief overview of some plant species grown in countries with temperate climate and their active substances effective against stored grain insect pests
- 12:45 - 13:00 Risto Vučkov, Elisaveta Pandeva^(Republic of Macedonia) - Biopesticides and their Future in Macedonia
- 13:00 - 13:15 Darka Hamel - Irregularities in procurement and use of plant protection products
- 13:15 - 13:30 Nikola Nakić, Vlastimil Kolář^(Czech Republic) - Technology of modified nitrogen atmosphere for the protection of food raw materials stored in steel silos - practical experience
- 13:30 - 13:45 Renata Zorko, Dražen Kićanović - Efficacy of phosphine fumigation on confused flour beetle *Tribolium confusum* (du Val) and rusty grain beetle *Cryptolestes ferrugineus* (Stephens) in mill
- 13:45 - 14:00 Boris Hrašovec - Outbreaks of forest defoliators, tussock and processionary moths, and public health problems caused by the urticating hairs of their larvae
- 14:00 - 14:15 Josip Margaletić - Pest gradation in Croatian forests in the period from year 2008 to 2017
- 14:15 - 14:30 DISCUSSION
- 14:30 - 16:30 LUNCH BREAK**

6. Session - Round table - How to influence on units of local self-government to implement in practice the Pest Control legislation in order to protect the population from infectious diseases?

Moderators: Nataša Janev Holcer, Pavle Jeličić, Zdravko Svetec

Introductory lecture:

- 16:30 - 17:00 Nataša Janev Holcer - Obligations of units of local self-government in accordance with applicable legal regulations on the implementation of mandatory preventive pest control measures, sanitation measures, the national monitoring system of invasive mosquito species and importance and role of the other participants in implementation preventive pest control measures
- *importance and role of Counties, Municipalities and Cities in preventing the spread of infectious diseases*
 - *importance and role of Ministry of Health, competent Sanitary inspections of the State Inspectorate, Croatian Institute of Public Health and County Institutes of Public Health*
 - *importance and role of Pest Control Operators*
- 17:00 - 17:30 DISCUSSION on the Default Topic and Conclusions ...
- 17:30 - 18:00 GENERAL DISCUSSION, FINAL WORDS**

9:00 - 18:00 **Presentation of Industry / List of Exhibitors:** *AGORAM d.o.o. Zagreb, Agro Food d.o.o. Zagreb, AGROPROAGRO d.o.o. Podlehnik, Slovenija, BARBANCOMMERCE d.o.o. Barban, BUTEO d.o.o. Zagreb, DANON d.o.o. Donji Stupnik, FERLIN d.o.o. Zagreb, FLOREL d.o.o. Zagreb, GENERA d.d. Rakov Potok, Irto Trio Ltd. - Hungary, KORUNIĆ d.o.o. Zagreb, MEDICAL INTERTRADE d.o.o. Sv. Nedelja / Ienv Solutions Ltd. - United Kingdom, MOUNT TRADE d.o.o. Garešnica, PESTRID d.o.o. Zagreb, POMEL Sp. Z o.o. - Poljska, PRESSO d.o.o. Zagreb, UNICHEM AGRO d.o.o. Zagreb*

20:00 WELCOME COCKTAIL

20:30 CONFERENCE DINNER - *live Gordan Gregurović & band <https://www.youtube.com/watch?v=31OlxxvK4xw>*

29th March 2019 (Friday)

9:30 - 15:00 EXCURSION for participants of the Seminar

- **sightseeing of Grožnjan city** - a medieval town whose original beauty has been retained to date through preserved old walls, forts, churches and monuments, known as "the city of artists" and an ideal destination for a one-day excursion filled with art, galleries and concerts ...



- Driving to the surrounding area of **Motovun** city
 - *getting to know the participants with a interesting story how to search truffles in nature, also practical presentation of truffles searching with trained dogs and with expert guidance <http://www.bencic-truffles.com/hr/>*
 - *tasting of various types of truffles (black and white) and original delicates*



We looking forward to meeting you again!