

International Conference One Health and Zoology
September 27 – 29, 2023, Hissarya, Bulgaria

Scientific program

Wednesday, 27 September 2023

13:00 – 14:00 Arrival, registration. SPA Hotel “Hissar”

EPIDEMIOLOGY

Session I (Trakiya hall)

Session chairs: Prof. Dr. **Irena Mladenova**,
Assist. Prof. Dr. **Eliyana Ivanova**

14:00 – 14:15 The role of infection prevention and control in reducing AMR burden-as a part of “ONE HEALTH” concept. **Rossitza Vatcheva-Dobrevska**

14:15 – 14:30 The One Global Health concept and new uses of insecticides to preserve global health. **Ralitsa Tsoneva**, *Nadia Mitkova, Galin Kamenov, Dimitar Shalamanov, Antoaneta Minkova, Zhivka Getsova*

14:30 – 14:50 Paxlovid – Treatment of high risk-patients with COVID-19 (**Pfizer**)

14:50 – 15:05 Hepatitis E virus infection-the spread among different groups in the region of Plovdiv. **Ani Kevorkyan**, *Elitsa Golkocheva-Markova, Radka Komitova, Vanya Rangelova, Ralitsa Raycheva, Mariya Atanasova, Oliana Boykinova, Ivan Baltadzhiev, Tencho Tenev, Valeri Tsekov*

15:05 – 15:20 Consumption of alcohol-based rubs in the University Hospital “St. Marina” – Varna for 2018–2022. **Deyana Ilieva**, *Desislava Vankova, Tsonko Paunov*

- 15:20 – 15:40** The success of HPV immunization programs around the world – prevention based on data from the real practice (**MSD**)
- 15:40 – 15:55** The experience with vaccines against Covid-19 in the largest medical facility in Bulgaria. **Hristiana Batselova**, Kiril Atliev, Karen Dzhambazov
- 15:55 – 16:10** High vaccine confidence and strong approval of the immunization schedule among general population in Bulgaria in 2022. Veronika Dimitrova, **Vanya Rangelova**, Ralitsa Raycheva, Antoaneta Minkova, Ivo Georgiev, Irina Georgieva, Lubomira Nikolaeva-Glomb, Savina Stoitsova
- 16:10 – 16:30** Innovation in vaccine development. **Petranka Zhekova (SwixxBioPharma)**
- 16:30 – 17:00** **Coffee-break**

EPIDEMIOLOGY

Session II (Trakiya hall)

Session chairs: Prof. Dr. **Yordanka Stoilova**,
Prof. Dr. **Ani Kevorkyan**

17:00 – 18:00 **Poster session**

1. Evaluation of tetanus immunoprophylaxis in Pleven region for the period 2011–2021. **Miglena Kolarova**, Eliyana Ivanova, Daniela Dimitrova
2. Psychological impact of Covid-19 on medical professionals. **Elena Valkanova**, Rostislav Kostadinov, Rumyana Etova, Mariya Georgieva, Vasil Topalov
3. Changes in the incidence of some respiratory pathogens during the Covid-19 pandemic in Bulgaria. **Stefan Stefanov**, Mery Hristamyan, Ani Kevorkyan
4. Information exchange shortfalls and their impact on general practitioners during the Covid-19 pandemic. **Vasil Topalov**,

Rostislav Kostadinov, Mariya Georgieva, Elena Valkanova, Svetoslav Georgiev

5. Management of biomedical waste at UMHAT "St.Marina" – Varna in the conditions of Covid-19. *Maria Marinova, **Eliyana Ivanova***
6. Trends in the prevalence of Scarlet fever in the territory of Varna district for the period 2014–2022. *Mihaela Kirilova, **Eliyana Ivanova***
7. Covid-19 pandemic and pre-hospital triage. **Svetoslav Georgiev**, *Rostislav Kostadinov, Vasil Topalov, Elena Valkanova*
8. Climate change and flood frequency. **Mariya Georgieva**, *Rostislav Kostadinov, Elena Valkanova, Vasil Topalov, Rummyana Etova*
9. Ticks and Lyme Borreliosis: A comparative analysis of urbanized and wild areas in protected area Kaylaka, Bulgaria. **Alexander Blazhev**, *Iskren Stanilov, Lyuba Miteva, Svetla Blazheva, Milena Karcheva*
10. Characteristics of disaster casualties in Plovdiv district. **Rummyana Etova**, *Desislava Todorova, Mariya Georgieva, Elena Valkanova, Vasil Topalov*
11. BCG vaccine – immunization policies in European countries. **Tanya Petkova**
12. Serological evidence for West Nile virus in birds in Bulgaria. **Nadia Mitkova**, *Iva Trifonova, Iva Christova, Dimitar Dimitrov, Martin Marinov, Elitsa Panayotova, Evgeniya Taseva, Teodora Gladnishka, Vladislava Ivanova, Galin Kamenov, Pavel Zehtindjiev*
13. Epidemiological and demographic features of Covid-19 pandemic in Pleven region, Bulgaria. *Kalina Terzieva, Milena Karcheva, Ivaylo Pakov, **Galya Gancheva***
14. The effects of the Covid-19 pandemic on incidence of respiratory infections in Pleven region, Bulgaria. **Kalina Terzieva**, *Milena Karcheva, Ivaylo Pakov, Galya Gancheva*
15. Survey of the knowledge of Bulgarian students from medical specialties regarding HPV infections and HPV vaccines – preliminary results. **Meri Hristamyan**, *Veselka Hristamyan*

16. Compliance with the rules of safe work among dental students in pre-pandemic period and during a pandemic of Covid-19. **Velina Stoeva**, Tanya Bozhkova, Veselina Kondeva
17. Prospective study of hospitalized children with scarlet fever from the Plovdiv region. **Velina Stoeva**, Hristiana Batselova, Tanya Kirachena, Angel Todev, Tsvetelina Velikova, Lachezar Tomov, Tanya Velyanova, Oliana Boykinova
18. European Regulations used in the laboratories of the Official food control in Bulgaria. Tsvetelina Vitkova, Mariyana Stoynovska, **Milena Karcheva**
19. Zoonotic Tick-Borne Infections in Pleven, Bulgaria: A Study of Anaplasmataceae in *Ixodes ricinus* Ticks. **Alexander Blazhev**, Iskren Stanilov, Lyuba Miteva, Svetla Blazheva, Milena Karcheva
- 18:00 – 19:00 General Assembly of the Bulgarian Scientific Society of Epidemiology of infectious and noninfectious diseases**

MORPHOLOGY, PHYSIOLOGY, GENETICS AND MOLECULAR TAXONOMY

Session I (Hissar hall)

Session chairs: Prof. DSc **Evgeniya Ivanova**,
Chief Assist. Prof. Dr. **Ivan Stoyanov**

- 15:00 – 15:15** Changes in the erythrogram parameters and in the erythrocyte sizes of adult *Pelophylax ridibundus* (Pallas, 1771) (Anura: Ranidae) inhabiting the sedimentation lake of Brikel thermal power station in southern Bulgaria. Zhivko Zhelev, **Danail Minchev**
- 15:15 – 15:30** Effect of stress on occlusal disharmony in *Microtus hartingi* vole lineages. **Larisa Petra Kaija**, Tanya Zorenko, Ugis Kagainis
- 15:30 – 15:45** Metabolic status of commercially important fish species from the northern Bulgarian Black Sea zone.

Albena Alexandrova, Elina Tsvetanova, Almira Georgieva, Madlena Andreeva, Georgi Pramatarov, Hristiyana Kanzova, Georgi Petrov, Nesho Chipev

15:45 – 16:00 Population genetic studies of silkworm (*Bombyx mori* L.) reared in Bulgaria and phylogenetic relationships. **Teodora Staykova**, Panomir Tzenov

16:00 – 16:15 Concerning potential toxic effects of Coumaphos and Oxalic acid applied in beekeeping. **Teodora Popova**, Daniela Georgieva, Penka Vasileva, Ivan Stoyanov, Teodora Staykova, Evgeniya Ivanova

16:15 – 16:30 Mutagenic potential of pesticides Actellic, Rival, Aminopielik and polybrominated diphenyl ethers on Common carp (*Cyprinus carpio* Linnaeus, 1785). **Penka Vasileva**, Teodora Popova, Ivan Stoyanov, Teodora Staykova, Evgeniya Ivanova, Elenka Georgieva, Stela Stoyanova, Iliana Velcheva, Vesela Yancheva

16:30 – 17:00 **Coffee-break**

MORPHOLOGY, PHYSIOLOGY, GENETICS AND MOLECULAR TAXONOMY

Session II (Hissar hall)

Session chairs: Assoc. Prof. Dr. **Michaela Nedialkova**,
Assist. Prof. Dr. **Iliana Aleksieva**

17:00 – 17:15 Analysis of the individual and combined toxic potential of the pesticides amitraz and cypermethrin used in beekeeping and agriculture. **Penka Vasileva**, Ivan Stoyanov, Teodora Staykova, Teodora Popova, Evgeniya N. Ivanova

17:15 – 17:30 Sperm comet assay as a novel biomarker of genotoxicity in high mortality honey bee (*Apis mellifera* L.) populations. **Vesela Mitkovska**, Tsenka

*Chassovnikarova, Daniela Partalska, Penka Vasileva,
Ivan Stoyanov, Plamen Petrov, Evgeniya N. Ivanova*

17:30 – 17:45 Molecular systematic analysis of Shad species (Pisces: Clupeidae) from Bulgarian Black Sea waters using mt DNA gene NADH1. **Darinka Boyadzhieva-Doychinova**, Atanas Arnaudov, Iliya Denev[†], Mladen Naydenov

19:30 **Dinner, SPA Hotel "Hissar"**

Thursday, 28 September 2023

9:00 – 9:40 **Opening. Maritsa hall** in SPA Hotel "Hissar"

9:40 – 10:10 **Plenary lecture: One health in SECID network – challenges and opportunities.** **Silvia Bino**, Kujtim Mersinaj, Ledia Agolli (*Southeast European Center for Surveillance and Control of Infectious Diseases, SECID*), Albania

10:10 – 10:40 **Plenary lecture: Defense Threat Reduction Agency (DTRA), USA.** **Lubomir Spasov**, U.S. Embassy in Bulgaria

10:40 – 11:10 **Plenary lecture: The hidden killers in ophthalmology, cardiology, neurology, rheumatology and psychiatry.** **Ilija Tsachev** (*Head of Dept. of Microbiology, Infectious & Parasitic Diseases, Faculty of Veterinary Medicine, Trakia University, Stara Zagora*), Bulgaria

11:10 – 11:30 **Coffee-break**

EPIDEMIOLOGY

Session III (Trakiya hall)

Session chairs: Prof. Dr. **Milena Karcheva**,
Assist. Prof. Dr. **Tanya Petkova**

- 11:30 – 11:45** Epidemiological surveillance of AFP in Stara Zagora district during the SARS-CoV-2 pandemic, 2020–2022. **Ivelina Simeonova, Irena Mladenova**
- 11:45 – 12:00** Perceptions on information consumption among healthcare professionals and journalists in Bulgaria during the Covid-19 emergency. **Zhivka Getsova**
- 12:00 – 12:20** SARS CoV-2 vaccination and Moderna in the fall of 2023 (**Medison Pharma Bulgaria**)
- 12:20 – 12:35** PCR testing for SARS-CoV-2 among students of Medical University – Pleven during the fourth wave of Covid-19 pandemic. **Maria Sredkova, Tsvetan Popov, Vladislav Nankov, Georgi Golemanov, Viktoria Kitanova, Milena Karcheva, Tanya Petkova, Michaela Nacheva, Kalina Terzieva**
- 12:35 – 12:55** Prevenar 13 – Pneumococcal vaccines and lifelong vaccination concept (**Pfizer**)
- 13:00 – 14:00** **Lunch, Restaurant SPA Hotel “Hisar”**

EPIDEMIOLOGY

Session IV (Trakiya hall)

- Session chairs:** Prof. Dr. **Tsonko Paunov**,
Assoc. Prof. Dr. **Rossitza Vatcheva-Dobrevska**
- 14:00 – 14:15** Prevalence of *Helicobacter pylori* in children with gastritis and peptic ulcer. **Vanya Nedkova-Milanova, Milena Karcheva, Ivaylo Pakov, Pavlinka Laleva, Zornitsa Gorcheva**
- 14:15 – 14:35** OneLife. How to deal with Biofilms? Effective enzyme solutions for detection, dissolution and prevention. **Katerina Peeva (Biokom Trendafilov Ltd)**
- 14:35 – 14:55** Influenza and National Flu Immunization Programme (**SwixxBioPharma**)

- 14:55 – 15:10** Emerging tick-borne pathogens as a health risk for population of Serbia and North Macedonia: Preliminary results. *Pavle Banovic, Dejan Jakimovski, Dragana Mijatovic, Verica Simin, Ivana Bogdan, Sofija Mateska, Marija Najdovska, Angela Gavrilova, Sara Moutailler, Angelique Foucault-Simonin, Alejandro Cabezas-Cruz*
- 15:10 – 15:30** B|Braun – B|Safe. **Teodora Rukova (B. Braun Medical)**
- 15:30 – 15:45** Viral hemorrhagic fevers. **Nikolay Vatev**
- 15:45 – 16:00** A multidisciplinary approach to vaccine prophylaxis. **Andrey Galev**
- 16:00 – 16:30** **Coffee-break**
- 16:30 – 16:45** Monitoring of extreme ecological niches for novel and reoccurring zoonoses. **Stefan Panaiotov, Yordan Hodzhev, Borislava Tsafarova, Rumyana Nenova, Ognyan Mikov, Vladimir Tolchkov, Gancho Slavov, Staninmira Deleva, Nia Toshkova, Nedyalko Nedyalkov, Mario Langurov, Rostislav Bekchiev, Milena Nikolova, Gulfer Yakici, Pavel Stoev, Nikolay Simov**
- 16:45 – 17:00** Some aspects of the prevalence of nosocomial infections in Bulgaria – a questionnaire study. **Vanya Rangelova, Milena Nikolova, Sv. Yordanova, Zhivka Getova**
- 17:00 – 17:20** Cleaning and disinfection of surfaces – Frequently touched objects – methodology and practice. **Daniel Lubenov (Medical Technics Engineering Ltd.)**
- 17:20 – 17:35** Accessible epidemiology to help society-analysis of the activities of the "Vaccines" group and the page "Coronavirus/Information" on the social network Facebook. **Hristiana Batselova, Daniel Georgiev, Simeon Petrov, Tsveteliana Velikova**

- 17:35 – 17:50** Knowledge of infection prevention rules among students of dental medicine in Faculty of Dental Medicine – Plovdiv. **Velina Stoeva**, *Tanya Bozhkova*, *Aleksandar Atanasovski*
- 17:50 – 18:10** **Pressure Controlled Biocontainment Device: Why and When.** **Domenico Brunetto, MD**, *Director of the Department of Vascular Surgery*
- 18:10 – 19:00** **Discussion of all Epidemiological sessions**
- 19:30** **Conference dinner, Restaurant “Prestige” in SPA Hotel “Hissar”**

BIODIVERSITY, ECOLOGY, CONSERVATION ZOOLOGY AND ZOOZOSES

Session I (Hissar hall)

- Session chairs:** Prof. DSc **Georgi Markov**,
Chief Assist. Prof. Dr. **Vesela Mitkovska**
- 11:30 – 11:45** Acanthocephalans in Serbia: rare, but not unimportant. **Božana Tošić**, *Borislav Čabrilo*, *Milan Miljević*, *Jelena Blagojević*, *Branka Bajić*, *Marija Rajičić*, *Ivana Budinski*, *Olivera Bjelić-Čabrilo*
- 11:45 – 12:00** Parasitoid wasps (Hymenoptera: Chalcidoidea) associated with *Bruchophagus astragali* Fedoseeva, 1954 (Hymenoptera: Eurytomidae) and *Bruchidius marginalis* (Fabricius, 1775) (Coleoptera: Chrysomelidae) in Bulgaria. **Miroslav Antov**, *Anelia Stojanova*, *Ivaylo Todorov*, *Peter Boyadzhiev*, *Richard Askew*
- 12:00 – 12:15** Estuarine fish diversity in the Manavgat River (Antalya, Turkey): fauna composition, introduced species and threats. **Deniz Innal**

- 12:15 – 12:30** Health status of key species from the Sozopol Bay (NW Black Sea) ecosystem as indicators of the ecological state of the marine environment. **Nesho Chipev**, *Lyubomir Kenderov, Marian Kenderov, Elina Tsvetanova, Almira Georgieva, Madlena Andreeva, Georgi Pramatarov, Hristiyana Kanzova, Georgi Petrov, Albena Alexandrova*
- 12:30 – 12:45** Specifying the main reasons for the increasing honey bee colony losses in Bulgaria. **Evgeniya N. Ivanova**, *Plamen Petrov*
- 12:45 – 13:00** A look at the honey bee colony losses in Bulgaria by regions. **Evgeniya N. Ivanova**, *Plamen Petrov, Nikolay Petkov*
- 13:00 – 14:00** **Lunch, Restaurant SPA Hotel “Hissar”**

BIODIVERSITY, ECOLOGY, CONSERVATION ZOOLOGY AND ZOOZOSES

Session II (Hissar hall)

Session chairs: Assoc. Prof. Dr. **Anelia Stojanova**,
Assoc. Prof. Dr. **Dragana Miličić**

- 14:00 – 14:15** From breeder to floater – movements of non-breeding mature Eastern Imperial eagles studied by satellite telemetry. *Stoycho Stoychev, Volen Arkumarev, Georgi Popgeorgiev, Dobromir Dobrev, Hristo Dimitrov, Ivaylo Angelov, Dimitar Demerdzhiev*
- 14:15 – 14:30** Birds composition in forest fragments across the Western Upper Thracian lowland. **Polina Hristova**, *Georgi Popgeorgiev, Dimitar Plachiyski, Vladimir Dobrev, Hristo Dimitrov*
- 14:30 – 14:45** Where do cetaceans spend their summer holiday in Bulgarian Black Sea waters? **Dimitar Popov**, *Galina Meshkova, Hristina Klisurova, Hristo Dimitrov*

- 14:45 – 15:00** Molecular characterization and phylogenetic analysis of the full-length VP2 gene of canine parvovirus in dogs. **Hasbi Sait Saltik**, *B. Taylan Koç*
- 15:00 – 15:15** Cave-Dwelling Bats as a potential reservoir of European Lyssaviruses in Bulgaria. **Heliana Dundarova**, *Nadya Ivanova-Aleksandrova, Sarka Bednarikova, Radoslava Emilova, Irina Georgieva, Krasimir Kirov, Kalina Miteva, Boyko Neov, Peter Ostoich, Jiri Pikula, Jan Zukal*
- 15:15 – 15:30** Non-tuberculous mycobacteria in bats' guano from caves and buildings. **Jan Zukal**, *Vit Ulmann, Milan Gersl, Katerina Zukalova, Ondrej Konecny, Lenka Janošiková, Jiří Šafář, Heliana Dundarova, Jiri Pikula, Ivo Pavlik*
- 15:30 – 15:45** The Investigation of Factors Causing Viral Infection in Cattle with Respiratory System Problems. *Göksal Akgül*, **Kamil Atli**

BIODIVERSITY, ECOLOGY, CONSERVATION ZOOLOGY AND ZOOZOSES

Session III (Hissar hall)

Session chairs: Assoc. Prof. Dr. **Tsenka Chassovnikarova**,
Chief Assist. Prof. Dr. **Penka Vasileva**

15:45 – 16:00 Poster session

1. Amoebozoan diversity in the Danube and Sava rivers and their tributaries by metabarcoding approach. *Ivana Marjanski, Ivica Dimkić, Gordana Subakov Simić, Naida Babić Jordamović, Sciabbarrasi Giovanni Luca, Vladimir Ćirković, Silvano Piazza, Dragana Miličić*
2. Can habitat richness and diversity of large branchiopods (Crustacea: Branchiopoda) serve as potential tools for legal protection? A study of the Ramsar site "Bardača Wetland" and

Donja Dolina in Bosnia and Herzegovina. **Dragana Miličić**, Goran Šukalo, Ana Savić, Dejan Dmitrović

3. More than half a century later: rediscovery of *Sphaeromides bureschi serbica* Pljakić, 1968 (Crustacea: Isopoda) in the Petrlaška Cave (Eastern Serbia). **Matija Petković**, Dragana Miličić

16:00 – 16:30 Coffee-break

16:30 – 17:45 Poster session

4. Ecology and dynamics of the plankton community of Rotifera, Crustacea (Copepoda and Cladocera) from Lake Prespa. **Goce Kostoski**, *Orhideja Tasevska*
5. Lake Prespa health assessment based on taxonomic and functional research of rotifers. **Orhideja Tasevska**, Goce Kostoski, *Elizabeta Veljanoska-Sarafiloska*
6. First record of *Heligmosomoides neopolygyrus* in Serbia. **Božana Tošić**, Borislav Čabrilo, Milan Miljević, Olivera Bjelić-Čabrilo, Branka Bajić, Marija Rajičić, Ivana Budinski, Jelena Blagojević
7. The intestinal nematode fauna of bats of the genus *Myotis* (Chiroptera: Vespertilionidae) in Serbia. Žolt Horvat, Borislav Čabrilo, Milan Paunović, Branko Karapandža, Jelena Josipović, Ivana Budinski, Božana Tošić, **Olivera Bjelić Čabrilo**
8. Parasite fauna of Ohrid Minnow (*Pelasgus minutus*, Karaman 1924) from Belčišta Wetland (N. Macedonia). **Dijana Blazhekovikj-Dimovska**, Stojmir Stojanovski, Lidija Velkova-Jordanoska
9. Length-weight Relationships of Five Endemic Fish Species from Lake Prespa. **Blagoja Trajchevski**, Trajche Talevski, *Elizabeta Veljanoska-Sarafiloska*
10. Breeding birds at Pomorie Lake in the period 2021–2023. **Dimitar Popov**, Galina Meshkova, Irina Kirova
11. Comparative analysis of bioindicator genomic response of three rodent species – *Apodemus flavicollis* (Melchior, 1834), *Mus macedonicus* (Petrov & Ruzich, 1983), and *Microtus arvalis* (Pallas, 1778). **Vesela Mitkovska**, Hristo Dimitrov, Tsenka Chassovnikarova

12. Ichthyofauna of Belchiško Blato. **Irina Manevska**, *Julijana Arsovska, Lidija Velkova-Jordanoska, Dijana Blazhekovikj-Dimovska, Stojmir Stojanovski, Vasil Kostov*
13. Influence of dietary probiotic on welfare and feed conversion ratio on Common carp (*Cyprinus carpio*) reared in intensive cage system. **Irina Manevska**, *Ivica Pancevski, Natalija Atanasova-Pancevska, Julijana Arsovska, Vasil Kostov*
14. Biological, ecological and taxonomic characteristics of the species *Pelagus minutus* (Karaman, 1924) from Belčishko Blato, Republic of North Macedonia. **Vasil Kostov**, *Julijana Arsovska, Lidija Velkova-Jordanoska, Dijana Blazhekovikj-Dimovska, Stojmir Stojanovski, Irina Manevska*
15. Degree of epigenetic variation and population divergence of red squirrel (*Sciurus vulgaris balcanicus* Heinrich 1936) in Bulgaria. *Georgi Markov, Milena Gospodinova, Hristo Dimitrov*
- 19:30** **Conference dinner**, Restaurant "Prestige" in SPA Hotel "Hissar"

ONE HEALTH

(Maritsa hall)

Session chair: Assoc. Prof. Dr. **Angel Kunchev**

14:00 – 16:00 **Workshop One Health**

Training, organized by WHO with participation of experts from MoH, RZI and BABH

16:00 – 16:30 **Coffee-break**

16:30 – 18:00 **Workshop One Health**

Training, organized by WHO with participation of experts from MoH, RZI and BABH

Friday, 29 September 2023

EPIDEMIOLOGY, ONE HEALTH

(Trakiya hall)

Session chairs: Assoc. Prof. Dr. **Radosveta Filipova**,
Dr. **Valery Tzekov**

9:00 – 10:50 Round table – Discussion on the implementation of the National Immunization Program – development, execution of vaccination and prevention programs.

10:30 – 10:50 Results from a national representative survey “Attitudes towards the implementation of the Bulgarian immunization calendar in children” among parents of children from 0 to 4 years and general practitioners. ***Ivaylo Spasov (UNICEF)***

10:50 – 12:30 Project “Improving Influenza Program and Enhancing Influenza and other viral respiratory pathogens through the integration of all existing surveillance systems and using one health surveillance approach” (Southeast European Center for Surveillance and Control of Infectious Diseases, SECID):

1. Annual Influenza Training Workshop of ILI and SARI Sentinel Sites and before Influenza Season.
2. Country meeting to discuss the sustainability plan for the influenza management program and national influenza surveillance system.
3. Country meeting to discuss for ONE HEALTH integrated data analyses and one health risk assessment guidance.

ONE HEALTH

(Maritsa hall)

Session chair: Dr. **Natalya Spiridonova**

9:00 – 12:30 Workshop One Health

Training, organized by WHO experts

BIODIVERSITY, ECOLOGY, CONSERVATION ZOOLOGY AND ZOOZOSES

Session IV (Hissar hall)

Session chairs: Prof. DSc **Georgi Markov**,

Assoc. Prof. Dr. **Peter Boyadzhiev**

9:00 – 10:00 Poster session

1. Fish species as bioindicators for water pollution and its effects from a protected area in Bulgaria. **Stela Stoyanova**, *Vesela Yancheva, Iliana Velcheva, Elenka Georgieva*
2. Are *Mytilus* species suitable bioindicators for assessing aquatic pollution along the Black Sea Coast? **Vesela Yancheva**, *Iliana Velcheva, Elenka Georgieva, Stela Stoyanova, Albena Alexandrova, Nesho Chipev*
3. Comparative evaluation of acaricides for effective *Varroa* Mite control in Mountainous Apiaries. **Vesna Karapetkovska-Hristova**, *Valentino Treneski, Ivan Pavlović*
4. Physico-chemical and biological indicators for water quality assessment of ancient Lake Prespa. **Elizabeta Veljanoska-Sarafiloska**, *Lenche Lokoska, Orhideja Tasevska, Suzana Patcheva, Jovica Leshoski*
5. Water quality assessment of Lake Prespa based on microbiological and physico-chemical parameters. **Lence Lokoska**, *Elizabeta Veljanoska-Sarafiloska*
6. Phytoplankton community structure and indication to water quality in Lake Prespa. **Suzana Patcheva**, *Jovica Leshoski, Elizabeta Veljanoska-Sarafiloska*
7. Prevalence of non-tuberculous mycobacteria in gestating common noctule (*Nyctalus noctula*) females. **Katerina**

*Zukalova, Veronika Seidlova, Ulmann Vit, Pavlik Ivo, Jiri Pikula,
Jan Zukal*

MORPHOLOGY, PHYSIOLOGY, GENETICS AND MOLECULAR TAXONOMY

Session III (Hissar hall)

Session chairs: Prof. Dr. **Teodora Staykova**,
Chief Assist. Prof. Dr. **Miroslav Antov**

10:15 – 11:15 Poster session

1. Histopathological analysis of liver and gills in Roach (*Rutilus prespensis*, Karaman, 1924) in Prespa Lake. **Lidija Velkova-Jordanoska**, *Stojmir Stojanovski, Dijana Blazekovikj-Dimovska*
2. Evaluation of biochemical genetic markers for environmental biomonitoring purposes. **Ivan Stoyanov**, *Penka Vasileva*
3. Keeping it in the Family: is there a mechanism underlying inbreeding preferences? **Larisa Petra Kaija**, *Tanya Zorenko*
4. Comparative effect of the antioxidants; resveratrol and *Mangifera indica* L. extract on in vivo clastogenicity induced by extremely low-frequency electromagnetic fields. *José Antonio Heredia-Rojas, Abraham Octavio Rodríguez-De la Fuente, Ricardo Gómez-Flores, Michaela Beltcheva, Peter Ostoich, Pedro Antonio Noguera-Díaz López, Omar Heredia-Rodríguez*
5. Effect of acute and long term extremely low-frequency electromagnetic fields exposure on hematological parameters of mice *in vivo*. *José Antonio Heredia-Rojas, Abraham Octavio Rodríguez-De la Fuente, Ricardo Gómez-Flores, Michaela Beltcheva, Pedro Antonio Noguera-Díaz López, Omar Heredia-Rodríguez*
6. Do zeolites eliminate physiological damages in small mammals due to cadmium intoxication? *Michaela Beltcheva, Peter Ostoich, Iliana Aleksieva, Tsenka Chassovnikarova*
7. Small rodents – appropriate bioindicators for the monitoring of total β -activity in alpine ecosystems. *Michaela Beltcheva, Peter Ostoich, Iliana Aleksieva, Jose Antonio Heredia Rojas, Blagovesta Dimitrova*

8. Cytogenetic characteristics of *Apodemus epimelas* (Nehring, 1901) (Mammalia: Rodentia) from Bulgaria: constitutive heterochromatin and nucleolar organizer regions distribution.

Tsenka Chassovnikarova, Hristo Dimitrov, Vesela Mitkovska

12:30 – 12:45 Closing the conference, Maritsa hall

12:45 Lunch, Restaurant SPA Hotel "Hissar"

13:30 Departure