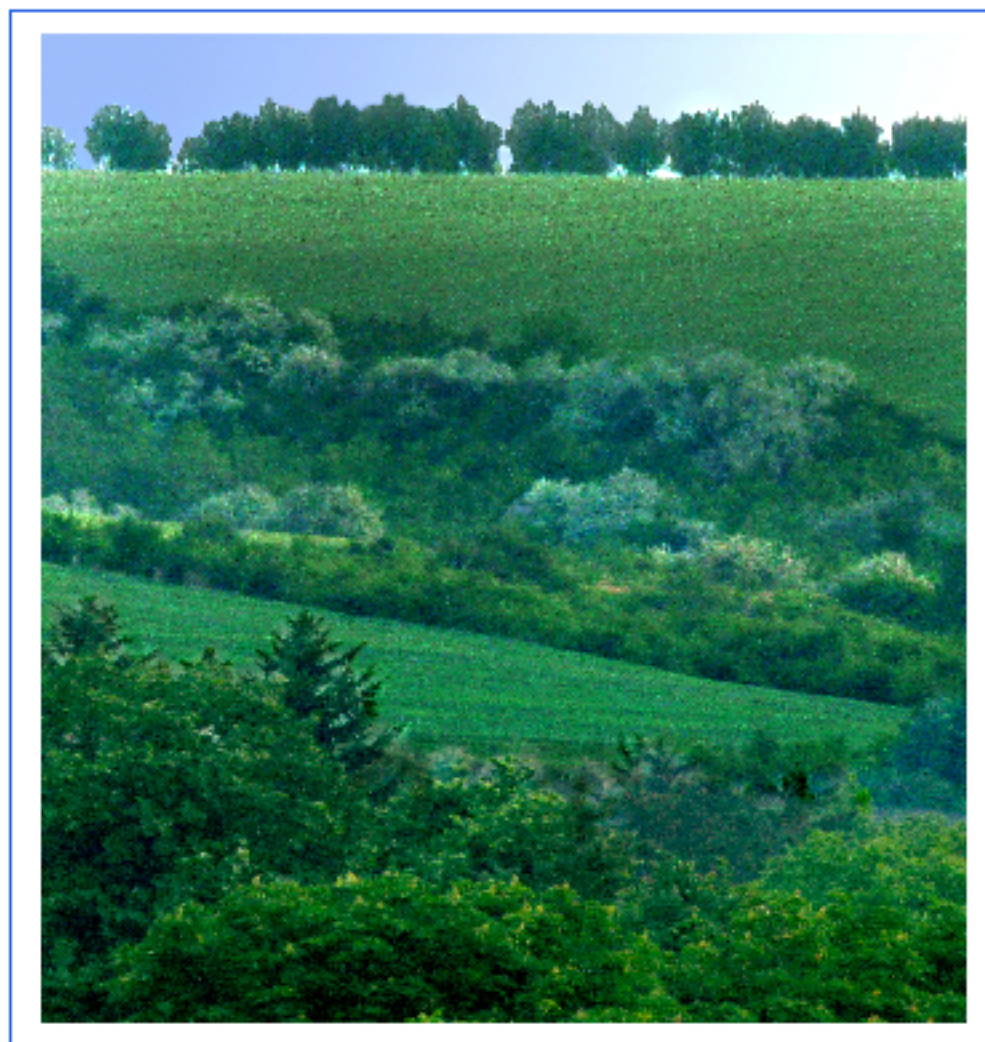


**UNION OF SCIENTISTS IN BULGARIA
SECTION BIOLOGY
INSTITUTE OF BIODIVERSITY AND ECOSYSTEM RESEARCH – BAS**



SEMINAR OF ECOLOGY - 2015

with INTERNATIONAL PARTICIPATION

23-24 April 2015

**Програма/Program
Абстракти/Abstracts**





**“SEMINAR OF ECOLOGY – 2015”
WITH INTERNATIONAL PARTICIPATION
23-24 April 2015**

PROGRAM

23 April 2015

8⁰⁰ - 9⁰⁰ Registration (IBER-BAS)

9⁰⁰ - 9³⁰ Opening Ceremony

Family photo

THEMATIC SESSION I

MECHANISMS OF ADAPTATION OF LIVING SYSTEMS

Chairmen: Prof. Snezhana Grozeva and Prof. Svetlana Bancheva

Plenary presentations

9³⁰-9⁴⁵ MECHANISMS OF GENOTYPE RESISTANCE TO OXIDATIVE STRESS

Stephka Chankova - PL1_01

Oral presentation

9⁴⁵-10⁰⁰ THE ACTIVITIES OF THE ASPARTATE AMINOTRANSFERASE, ALANINE AMINOTRANSFERASE AND ALKALINE PHOSPHATASE ENZYMES IN THE BLOOD SERUM OF RATS IN CONDITIONS OF CHRONIC LEAD POISONING
Snezana Stavreva Veselinovska - L1_01

10⁰⁰-10¹⁰ DNA DOUBLE STRAND BREAKS REPAIR CAPACITY IN YEAST SACCHAROMYCES CEREVISIAE AFTER ZEOCIN TREATMENT Teodora Todorova,
Daniela Miteva, Margarita Pesheva, Stephka Chankova - L1_02

10¹⁰-10²⁰ DO ENDOGENOUS CYTOKININS REGULATE TERPENOID BIOGENESIS AND THYLAKOID MORPHOGENESIS IN ARTEMISIA ALBA IN VITRO MODEL SYSTEM? **Sashka Krumova, Tonya Andreeva, Tsvetelina Oreshkova, Václav Motyka, P.**

Dobrev, Milka Todorova, Antoaneta Trendafilova, Nia Petrova, Stefka Taneva, Kalina Danova - L1_03

10²⁰-10³⁰ DNA DAMAGING EFFECT OF UV-B IN DIFFERENT CHLORELLA GENOTYPES Daniela Miteva, Zhana Mitrovska, Stephka Chankova - L1_04

10³⁰-10⁴⁰ BIOCHEMICAL AND MOLECULAR MARKERS FOR ASSESSMENT OF OXIDATIVE STRESS IN TWO GENOTYPES PHASEOLUS VULGARIS L. Tsveta Angelova, Petya Parvanova, Zhana Mitrovska, Daniela Miteva, Diana Svetleva, Nadezhda Yurina, Stephka Chankova - L1_05

10⁴⁰-11¹⁰ Discussion

11¹⁰-11²⁵ Coffee break

THEMATIC SESSION II

ANTHROPOGENIC IMPACT ON LIVING NATURE

Chairman: Prof. Vlada Peneva and Assoc. Prof. Galina Satchanska

Plenary presentations

11²⁵-11⁴⁰ MICROBIAL PROCESSES AND BIODIVERSITY OF MICROORGANISMS IN HOST ROCKS FOR GEOLOGICAL DISPOSAL OF RADIOACTIVE WASTE Galina Radeva - PL2_01

Oral presentations

11⁴⁰-11⁵⁰ ECOLOGICAL STATUS OF ATANASOVSKO LAKE (BULGARIA) BASED ON THE MACROZOOBENTHOS COMMUNITY Monika Subeva, Lyubomir Kenderov, Vesela Evtimova, Zdravko Hubenov, Ivan Pandourski - L2_01

11⁵⁰-12⁰⁰ SHORT-TERM AND LONG-TERM EXPERIMENTS IN ENVIRONMENTAL STUDIES Daniela Miteva, Stephka Chankova - L2_02

12⁰⁰-12¹⁰ DIFFERENTIAL SIGNIFICANCE OF AGE AND RADIATION EXPOSURE FACTOR IN THE HYPERMETHYLATION OF VARIOUS GENES IN HUMAN BLOOD LEUKOCYTES Nina Kus'mina, Nellya Lapteva, Alexander Rubanovich - L2_03

12¹⁰-12²⁰ ANALYSIS OF SEDIMENTS IN THE MARITSA RIVER BASIN Petya Dimitrova, Vesela Tsvetanova, Iliana Velcheva, Gana Gecheva, Irina Karadjova - L2_04

12²⁰-12³⁰ PHYTOCHELATINS DYNAMIC IN CLINOPODIUM VULGARE AS A FUNCTION OF CD STRESS. GLUTATHION TO BE USED AS BIO INDICATOR FOR ELEVATED SOIL CD Krum Bardarov, Rumjana Djingova - L2_05

12³⁰-13⁰⁰ Discussion

13⁰⁰-13³⁰ Lunch

THEMATIC SESSION III

ECOSYSTEM RESEARCH AND SERVICES

Chairmen: Prof. Roumiana Mecheva and Assoc. Prof. Margarita Pesheva

Plenary presentations

13³⁰-13⁴⁵ THE ECONOMIC SIGNIFICANCE OF NATURAL ECOSYSTEMS Iva Apostolova, Desislava Sopotlieva, Nikolay Velez - PL3_01

Oral presentations

13⁴⁵-13⁵⁵ ECOSYSTEM SERVICES PROVIDED BY GREEN INFRASTRUCTURE IN URBAN ENVIRONMENTS – FOCUS ON CARBON STORAGE Miglena Zhiyanski - L3_01

13⁵⁵-14⁰⁵ METHODOLOGY FOR ASSESSMENT AND MAPPING OF ECOSYSTEMS AND THEIR SERVICES – BULGARIAN APPROACH Svetla Bratanova-Doncheva, Nesho Chipev, Kremena Gocheva, Stoyan Verguiev - L3_02

14⁰⁵-14¹⁵ ENHANCING ECOSYSTEM SERVICES MAPPING FOR POLICY AND DECISIONMAKING – ESMERALDA Stoyan Nedkov, Svetla Bratanova-Doncheva - L3_03

14¹⁵-14⁴⁵ Discussion

14⁴⁵-15⁰⁰ Coffee break

THEMATIC SESSION IV

LANDSCAPE ECOLOGY

Chairmen: Prof. Elisaveta Stoimenova and Assoc. Prof. Maryana Lubenova

Plenary presentations

15⁰⁰-15¹⁵ IMPACT OF CLIMATE CHANGE ON VULNERABILITY OF FORESTS AND ECOSYSTEM SERVICE SUPPLY IN TWO REPRESENTATIVE LANDSCAPES IN WESTERN RHODOPEs Tzvetan Zlatanov, Che Elkin, Florian Irauschek, Manfred J. Lexer - PL4_01

Oral presentations

15¹⁵-15²⁵ ASSESSMENT OF THE STATUS AND POTENTIAL OF LANDSCAPES OF RILA SOUTHEASTERN SLOPES' PARTS FOR ACHIEVING CONSERVATION AND RECREATIONAL ACTIVITIES Dragomira Stoyanova - L4_01

15²⁵-15³⁵ REMOTE SENSING IN LANDSCAPE ECOLOGY Rumiana Kancheva, Georgi Georgiev, Denitsa Borisova - L4_02

15³⁵-15⁴⁵ DISCUSSION OVER SIMULATION WITH FOREST GAP MODEL PICUS IN TERMS WITH BULGARIAN CASE STUDY Antonia Goleva - L4_03

15⁴⁵-15⁵⁵ SUBMARINE LANDSCAPE DIVERSITY OF VARNA SUBLITTORAL ZONE: PRESENT-DAY CONSERVATION ISSUES AND RECOMMENDATIONS FOR SUSTAINABLE MARINE SPATIAL PLANNING Iliyan Kotsev - L4_04

15⁵⁵-16²⁵ Discussion

16²⁵-17⁰⁰ Coffee break and Poster session

17⁰⁰-18³⁰ Poster session I and Discussion

Chairmen: Assoc. Prof. Margarita Topashka, Chief Assist. Radka Fikova, Chief Assist. Petya Parvanova

POSTER SESSION I

MECHANISMS OF ADAPTATION OF LIVING SYSTEMS

P1_01 PRO-OXIDATIVE/ANTIOXIDATIVE CAPACITY OF WATER EXTRACT OF POPPY (PAPAVER RHOEAS L.) Olga Angelova, Zhana Mitrovska, Stephka Chankova

P1_02 EVALUATION OF THE PHOTOSYNTHETIC CHARACTERISTICS OF TEN DIFFERENT FERN SPECIES AND THEIR CHANGES UNDER DROUGHT STRESS, HEAT STRESS AND APPLICATION OF EXOGENOUS ABSCISIC ACID Stella Dimitrova, Kolyo Dankov, Vasilij Goltsev

P1_03 HIGH LIGHT INDUCED PHOTOBLEACHING OF PHOTOSYNTHETIC PIGMENTS IN ARABIDOPSIS THALIANA THYLAKOID MEMBRANES, WT AND LUTEIN DEFICIENT MUTANT LUT2 Konstantin Dobrev, Daniela Stanoeva, Antoaneta Popova

P1_04 STUDY ON THE MICROSTRUCTURE OF LEAF SURFACE, LIPIDS COMPOSITION AND PIGMENTS SPECTRUM OF ERYNGIUM MARITIMUM L. Albena Ivanova, Lilia Babenko, M. Shcherbatiuk, Irina Kosakivska

P1_05 VARIATIONS IN ANTIOXIDANT CAPACITY DURING PEA VEGETATIVE GROWTH AT HIGH AIR TEMPERATURE Boryana Mihaylova, Ivan Goshev, Lyubomira Atanasova

P1_06 PROTEIN PROFILING AND ANTIOXIDANT ENZYME ACTIVITY OF ARTEMISIA ALBA CULTURES Yuliana Raynova, Krassimira Idakieva, Yuliana Markovska, Evelyn Wolfram-Schilling, Kalina Danova

P1_07 SCREENING OF THE ANTIMICROBIAL ACTIVITY OF MEDICINAL PLANT CULTURES COMMON TO THE FLORA OF BULGARIA AND TUNISA Hammami Majdi, Azaiez Sana, Ben Slimene-Debez Imen, Limam Ferid, Tounsi Moufida, Mliki Ahmed, Bouamama Badra, Jebara Moez, Borji Manel, Danova Kalina

P1_08 THE EFFECTS OF HEAVY METALS ON THE CHLOROPLASTS ULTRASTRUCTURE OF PEA LEAVES MESOPHYLL Vodka Marina Valerievna

P1_09 HIGH-LIGHT INDUCIBLE PROTEINS HLI_A/HLI_B ARE ESSENTIAL FOR LIGHT STRESS-ADAPTATION IN CYANOBACTERIUM SYNECHOCYSTIS PCC 6803 Dascha Akulinkina, Nadezhda Yurina

P1_10 ASSESSING THE IMPACT OF SALT STRESS ON THE PHOTOSYNTHETIC APPARATUS OF PAULOWNIA LINES Martin Stefanov, Ekaterina Yotsova, Georgi Rashkov, K. Ivanova., Yuliana Markovska, Emilia Apostolova

P1_11 ENERGY FLOW AND BALANCE OF BIOGENIC ELEMENTS THROUGH TWO SYNTHOPIC POPULATIONS OF THE HOUSE MICE MUS MUSCULUS MUSCULUS AND MUS SPICILEGUS Michaela Beltcheva, Roumiana Metcheva

ANTHROPOGENIC IMPACT ON LIVING NATURE

P2_01 GENOTOXIC POTENTIAL OF HERBICIDE 2,4-D IN VIVO IN SOME COMMON IN THE AGROECOSYSTEMS SMALL MAMMAL SPECIES Tsvetelina Gerasimova, Margarita Topashka-Ancheva

P2_02 ASSESSMENT OF GENOTOXICITY IN EXFOLIATED BUCCAL EPITHELIAL CELLS OF AGRICULTURAL WORKERS Kemajl Kurteshi, Kasum Letaj

P2_03 ECOLOGICAL STATUS OF THE MAIN RIVERS IN "BALGARKA" NATURAL PARK (BULGARIA) Pencho Pandakov, Teodora Teofilova, Lyubomir Kenderov

P2_04 ANTIBACTERIAL ACTIVITY OF NANOSTUCTURED MATERIAL FOR MEDICAL APPLICATION Venelina Savcheva, Iliana Ivanova

P2_05 ENVIRONMENT POLLUTION FROM A PACKAGING USED IN THE DAILY LIFE OF THE PEOPLE Snezhana Todorova

P2_06 STUDY ON PRIORITY AND OTHER SUBSTANCES IN TOPOLNITSA RESERVOIR WATERS, BULGARIA Vesela Yancheva, Petya Dimitrova, Iliana Velcheva, Elenka Georgieva, Stela Stoyanova, Marin Marinov

P2_07 SENSITIVITY OF GREEN ALGAE AND CYANOBACTERIA TO PHENYLUREA HERBICIDES Ekaterina Yotsova, Martin Stefanov, Anelia Dobrikova, Georgi Rashkov, Irina Pouneva, Emilia Apostolova

P2_08 LEAD IN SANDER LUCIOPERCA AND SILURUS GLANIS DANUBE FISH Roza Hristova, Teodora Yankovska and Galina Satchanska

P2_09 CONTENT OF MERCURY IN HORSE MACKEREL FISH DETERMINED BY ATOMIC ABSORPTION SPECTROMETRY Daniel Yordanov, Atanas Bliznakov, Ioana Georgieva, Tencho Tenev, Galina Satchanska

ECOSYSTEM RESEARCH AND SERVICES

P3_01 SIZE, GROWTH AND DIET OF BLUEFISH (POMATOMUS SALTATRIX) IN THE BLACK SEA, BULGARIA Ioana Georgieva, Georgi Daskalov

P3_02 LONG-TERMS TREND IN THE HYDROLOGICAL CONNECTIVITY BETWEEN THE LOWER DANUBE AND WATER BODIES FROM THE BULGARIAN FLOODPLAINS Stefan Kazakov, Luchezar Pehlivanov

P3_03 META ANALYSES OF SESSILE OAK DENDROCHRONOLOGICAL SERIES FOR ASSESSMENT OF TREE EUSTRESS Mariyana Lyubenova, Simona Peteva

P3_04 HIGH RESOLUTION VEGETATION ANALYSES OF MANAGED ARRHENATHERION COMMUNITY Tsvetelina Terziyska, Desislava Sopotlieva, Yassen Stoyanov, Iva Apostolova, Shandor Bartha

P3_05 ABIOTIC ENVIRONMENTAL FACTORS AND ITS RELATIONS TO PRIMARY PRODUCTIVITY OF CARP FISH PONDS Doychin Terziyski, Roumen Kalchev, Angelina Ivanova, Liliana Hadjinikolova

P3_06 PERSPECTIVES FOR ECONOMICAL VALUATION OF URBAN FORESTS - CASE STUDY FOR SANDANSKI Vladimir Stojanovski, Miglena Zhiyanski

LANDSCAPE ECOLOGY

P4_01 WIRELESS SENSOR NETWORKS FOR WILDFIRES DETECTION Rumiana Kancheva, Georgi Georgiev

24 April 2015

THEMATIC SESSION V

BIODIVERSITY AND CONSERVATION BIOLOGY

Chairmen: Prof. Stephka Chankova and Assoc. Prof. Marina Stanilova

Plenary presentations

9⁰⁰-9¹⁵ IBER – NATIONAL CENTER FOR SCIENTIFIC INVESTIGATION IN THE FIELD OF BIODIVERSITY AND ECOSYSTEM RESEARCH Anna Ganeva - **PL5_01**

9¹⁵-9³⁰ PLANT DIVERSITY OF BULGARIA Svetlana Bancheva - **PL5_02**

9³⁰-9⁴⁵ BIODIVERSITY OF VERTEBRATES IN ANTARCTICA Roumiana Metcheva - **PL5_03**

9⁴⁵-10⁰⁰ CATALOG OF THE PLANT SPECIES IN NEW BULGARIAN UNIVERSITY CAMPUS. BIOLOGICALLY ACTIVE SUBSTANCES Galina Satchanska, Nikolai Nikolov, Iliana Mitova, Konstantin Hadjigenchev - **PL5_04**

Oral presentations

10⁰⁰-10¹⁰ CONDITION AND THREATS TO THE POPULATIONS OF FIVE BALKAN ENDEMIC PLANTS ON MT FALAKRO, NORTHERN GREECE Asen Asenov - **L5_01**

10¹⁰-10²⁰ BACTERIOPLANKTON DIVERSITY AND COMMUNITY COMPOSITION IN OKOTO LAKE, SEVEN RILA LAKES Silvena Boteva, Mihaella Alexova, Anelia Kenarova, Galina Radeva - **L5_02**

10²⁰-10⁵⁰ Discussion

10⁵⁰-11⁰⁵ Coffee break

Chairmen: Prof. Iva Apostolova and Prof. Boyko Georgiev

11⁰⁵-11¹⁵ ECOLOGICAL CONDITIONS OF THE RIVERS IN “CENTRAL BALKAN” NATIONAL PARK (BULGARIA) BASED ON THE BOTTOM MACROINVERTEBRATES Dimitrii Dashinov, Tihomir Stefanov, Lyubomir Kenderov - **L5_03**

11¹⁵-11²⁵ DIVERSITY OF CESTODES PARASITISING BIRDS FROM ETHIOPIA Yana Dimitrova, Gergana Vasileva, Jean Mariaux, Boyko Georgiev - **L5_04**

11²⁵-11³⁵ HABITAT DIVERSITY IN MALA PLANINA Borislav Grigorov, Assen Assenov - **L5_05**

11³⁵-11⁴⁵ BRYOPHYTE FLORA OF SUB-MEDITERRANEAN RIVERS IN BULGARIA Yordanka Hristeva, Gana Gecheva, Karin Pall - **L5_06**

11⁴⁵-11⁵⁵ THE RIVERS TROPHIC RESOURCES - LEADING FACTOR IN FORMATION OF FUNCTIONAL FEEDING GROUPS OF THE MACROZOOBENTHOS Maria Kerakova, Emilia Varadinova - **L5_07**

11⁵⁵-12⁰⁵ USING BENTHIC MACROINVERTEBRATES TO ASSESS THE ENVIRONMENTAL AND TROPHIC CONDITIONS IN A DONOR AND RECIPIENT RIVERS FOR REINTRODUCTION OF BULLHEAD (COTTUS GOBIO LINNAEUS, 1758) Lyubomira Lyubomirova, Lyubomir Kenderov, Eliza Uzunova, Tihomir Stefanov - **L5_08**

12⁰⁵-12³⁵ Discussion

12³⁵-13¹⁵ Lunch

Chairmen: Assoc. Prof. Margatita Topashka and Assoc. Prof. Gergana Vasileva

13¹⁵-13²⁵ DIVERSITY OF HYMENOLEPIDID CESTODES (CYCLOPHYLLIDEA, HYMENOLEPIDIDAE) FROM RAILS (GRUIFORMES, RALLIDAE) IN BULGARIA Margarita Marinova, Boyko Georgiev, Gergana Vasileva - **L5_09**

13²⁵-13³⁵ HABITAT PREFERENCES AND IMPACTS OF THE INVASIVE ALIEN SPECIES OF FALLOPIA (POLYGONACEAE) IN BULGARIA Tsvetelina Naydenova, Svetlana Bancheva, Vladimir Vladimirov - **L5_10**

13³⁵-13⁴⁵ FLORA AND HABITATS OF KONGURA RESERVE IN BELASITSA MTS Hristo Pedashenko, Kiril Vassilev, Svetlana Bancheva, Vladimir Vladimirov, Malina Delcheva - **L5_11**

13⁴⁵-13⁵⁵ FLORA, VEGETATION AND NATURAL HABITAT TYPES IN KUTELKA RESERVE (EAST STARA PLANINA (BALKAN) MTS.) Desislava Sopotlieva, Hristo Pedashenko, Anna Ganeva, Aleksandra Aleksandrova - **L5_12**

13⁵⁵-14⁰⁵ HELMINTHS OF CAUCASIAN DWARF GOBY KNIPOWITSCHIA CAUCASICA (BERG) FROM ATANASOVSKO LAKE, BULGARIA Borislav Stoyanov, Plamen Pankov, Boyko Georgiev - **L5_13**

14⁰⁵-14¹⁵ FLORA AND HABITATS OF ORELYAK RESERVE IN PIRIN MTS Kiril Vassilev, Hristo Pedashenko, Svetlana Bancheva, Vladimir Vladimirov, Malina Delcheva - **L5_14**

14¹⁵-14²⁵ CONTRIBUTION TO THE KNOWLEDGE OF EPHEMEROPTERA, PLECOPTERA AND TRICHOPTERA (EPT) SPECIES FROM REPUBLIC OF MACEDONIA Yanka Vidinova, Valentina Slavevska-*Štamenković*, Biljana Rimcheska, Violeta Tyufekchieva, Stoe Smiljkov, Dana Prelić, Milica Ristovska, Momir Paunović - **L5_15**

14²⁵-14⁵⁵ Discussion
14⁵⁵-15¹⁰ Coffee break

THEMATIC SESSION VI

ECOLOGICAL AGRICULTURE

Chairmen: Prof. Spassimir Tonkov and Assoc. Prof. Galina Radeva

Plenary presentations

15¹⁰-15²⁵ DISEASE RESISTANT CROPS AND ECOLOGICAL (ORGANIC) AGRICULTURE Elisaveta Stoimenova - PL6_01

THEMATIC SESSION VII

ECOLOGY AND EDUCATION

Chairmen: Prof. Spassimir Tonkov and Assoc. Prof. Galina Radeva

Plenary presentations

15²⁵-15⁴⁰ ECOLOGICAL EDUCATION IN SECONDARY SCHOOL – REGULATIVE FRAMEWORK AND CURRICULUM ASPECTS Natasha Tsanova - PL7_01

Oral presentations

15⁴⁰-15⁵⁰ PROJECT-BASED LEARNING ON THE SUBJECT OF “ADVERTISING CAMPAIGN: SEPARATE WASTE COLLECTION” Trifon Sotirov, Martin Maznilev, Milena Milekova - L7_01

15⁵⁰-16⁰⁰ FRAMEWORK TO ENSURE AND MAINTAIN THE QUALITY OF NON-FORMAL EDUCATION FOR SUSTAINABLE DEVELOPMENT Kamelia Yotovska, Asya Asenova, Hristina Bancheva - L7_02

16⁰⁰-16¹⁰ MACEDONIAN STUDENTS' PERCEPTION OF POLLUTION AND THE ENVIRONMENT THROUGH TEACHING ENVIRONMENTAL TOPICS IN ENGLISH LANGUAGE CLASSES Snezana Todor Stavreva Veselinovska, Snezana Mihajlo Mirascieva, Emilija Todor Petrova Gorgeva, Snezana Aleksandar Kirova - L7_03

THEMATIC SESSION VIII

OTHER RELATED TOPICS

Chairmen: Prof. Spassimir Tonkov and Assoc. Prof. Galina Radeva

Oral presentations

16¹⁰-16²⁰ PALEOECOLOGICAL INVESTIGATION ON THE POSTGLACIAL VEGETATION AND CLIMATE CHANGES IN THE CENTRAL RILA MOUNTAINS, BULGARIA Spassimir Tonkov, Elissaveta Bozilova, Göran Possnert - L8_01

16²⁰-16³⁰ INJURIES BY SCAB DISEASE TO APPLE FRUITS NON-TREATED WITH FUNGICIDES Antoni Stoev - L8_02

16³⁰-17⁰⁰ Discussion

17⁰⁰-17³⁰ Coffee break and poster session

17³⁰ - 18⁴⁵ Poster Session II and discussion

Chairmen: Assoc. Prof. Marina Stanilova, Chief Assist. Svetla Bratanova and Chief Assist. Kalina Danova

POSTER SESSION II

BIODIVERSITY AND CONSERVATION BIOLOGY

P5_01 INVASIVE PLANT SPECIES OF UNIVERSITY BOTANIC GARDEN VARNA
Petya Boycheva

P5_02 ECOLOGY-ANATOMICAL CHARACTERISTICS AND VARIABILITY OF RANUNCULUS ACRIS (RANUNCULACEAE) Georgi Dochev, Svetlana Bancheva

P5_03 FIRST DATA ABOUT MACROINVERTEBRATE DIVERSITY ON THE BYAL KLADENETS LAKE – BULGARIA Galia Georgieva, Yordan Uzunov

P5_04 CONTRIBUTION TO THE KNOWLEDGE OF CARABID (COLEOPTERA: CARABIDAE) AND CERAMBYCID FAUNA (COLEOPTERA: CERAMBYCIDAE) OF BELASITSA MOUNTAIN IN R. MACEDONIA Aleksandra Cvetkovska-Gjorgjievska, Slavčo Hristovski, Borislav Guéorguiev, Dana Prelić, Valentina Slavevska-Stamenković, Milica Ristovska

P5_05 A STUDY OF AQUATIC MACROPHYTES IN TWO BULGARIAN DANUBE WETLANDS Borislava Gyosheva, Vladimir Valchev

P5_06 DEVELOPMENT OF MACROZOOBENTHOS COMMUNITY IN THE EPHEMERAL ALDOMIROVSKO LAKE (NORTHWEST BULGARIA) Pencho Ivanov, Mila Ihtimanska, Domenica Zaccagnino, Silvestre Marcato, Luchezar Pehlivanov

P5_07 SEASONAL CHANGES IN TROPHIC STRUCTURE OF THE LOTIC MACROZOOBENTHOS COMMUNITIES Emilia Varadinova, Maria Kerakova, Yordan Uzunov

P5_08 DIVERSITY OF SOFT-BOTTOM MACROZOOBENTHIC COMMUNITIES IN THE SHALLOW COASTAL ZONE OF BURGAS BAY (SOUTH-WESTERN BLACK SEA) Stefania Klayn, Ventsislav Karamfilov

P5_09 IN VITRO MICROPROPAGATION OF DIANTHUS SP. (CARYOPHYLLACEAE) Asya Kozhuharova, Mihail Perchekliyski, Boryanka Traykova, Marina Stanilova

P5_10 ASSESSMENT OF TURBOT (SCOPHTHALMUS MAXIMUS L.) STOCK STATUS IN BULGARIAN BLACK SEA ACCORDING TO INDICATORS OF EU MARINE STRATEGY FRAMEWORK DIRECTIVE Marina Panayotova

P5_11 INITIATION OF IN VITRO CULTURE AND CAPACITY OF SEED SPROUTING IN TWO DIFFERENT MEDIUMS OF ACHILLEA THRACICA VELEN. PLANTS Mariya Rogova, Daniela Dragolova, Zhenia Yordanova, Milena Dimitrova, Desislava Mantovska, Veneta Kapchina-Toteva

P5_12 TRENDS OF MESOZOOPLANKTON COMMUNITY DYNAMICS IN THE BULGARIAN PART OF THE BLACK SEA Elitsa Stefanova, Kremena Stefanova, Asen Konsulov, Lyudmila Kamburska

P5_13 NEW RECORDS OF DALDINIA VERNICOSA IN BULGARIA Dimitar Stoykov

P5_14 NEW RECORDS OF ASCOMYCOTA IN BULGARIA Dimitar Stoykov

P5_15 CONSERVATION OF RARE AND ENDANGERED PLANT SPECIES OF THE BULGARIAN FLORA IN AN EX SITU COLLECTION Boryanka Traykova, Valentina Goranova

P5_16 ELATOBIMUM ABIETINUM (WALKER) - A LITTLE KNOWN PEST ON PICEA SPP. IN BULGARIA Mariya Yovkova, Aneliya Pencheva

P5_17 OCCURRENCE OF TESTICULARIA AFRICANA (SMUT FUNGI) IN TANZANIA AND MOZAMBIQUE Teodor Denchev, Cvetomir Denchev

P5_18 CERCOSPOROID FUNGI (ASCOMYCOTA, MYCOSPHAERELLACEAE) ON AGRICULTURAL CROPS IN BULGARIA Tsvetanka Borisova

ECOLOGICAL AGRICULTURE

P6_01 ORGANIC AGRICULTURE – FEATURES, BENEFITS AND NEGATIVE EFFECTS /A REVIEW/ Irena Bogoeva

P6_02 FORMS AND MINERAL PHOSPHORUS CONTENT IN THE LEACHED SMOLNITCHA AT TWO MINERAL FERTILIZATION LEVELS AND THREE CROP ROTATIONS TYPES Elena Zlatareva, Bojan Zarkov, Velitchka Koteva

OTHER RELATED TOPICS

P8_01 HEAVY METALS (CD AND PB) EXPOSITION THROUGH WATER INFUSIONS FROM CLINOPODIUM VULGARE L. Krum Bardarov

P8_02 ENVIRONMENTAL HEALTH INVESTIGATION OF SANDPITS AT PUBLIC PLAYGROUNDS IN SOFIA CITY Momchil Sidjimov, Valeri Metodiev, Lydia Metchkueva, Vesela Georgieva, Savina Dimitrova, Emilia Mavrodieva, Irina Marinova, Daniela Stankova, Ginka Paunova, Lilia Shanova

P8_03 A CLASSIFICATION SYSTEM FOR EVALUATION OF ECOLOGICAL STATUS OF COASTAL MARINE WATERS IN RESPECT OF ZOOPLANKTON BIOLOGICAL ELEMENT OF QUALITY Kremena Stefanova, Elitsa Stefanova

P8_04 ACQUISITION OF ENGLISH WRITING SKILL AS A FOREIGN LANGUAGE Sadete Tërnavá-Osmani

P8_05 OPINION OF PARENTS ABOUT THE DEVIANT BEHAVIOR IN ELEMENTARY SCHOOLS Voglushe Kurteshi, Valentia Gulevska

18⁴⁵ AWARDS AND CLOSING PROCEDURE OF THE "SEMINAR OF ECOLOGY - 2015 WITH INTERNATIONAL PARTICIPATION"