



PROGRAM

FOURTH STUDENT SCIENTIFIC CONFERENCE "ECOLOGY AND ENVIRONMENT"

April 22-23, 2016

April 22, 2016

- 10:00 – 12:00 **Registration:** hall 202. Posters – lobby on the third floor
- 12:00 – 13:00 Lunch
- 13:00 – 13:15 **Opening ceremony:** hall 202
- 13:15 – 13:40 **Plenary lecture:** Mt Falakron (Greece) – one natural botanical garden at risk, Asen Asenov, hall 202
- 13:45 – 15:30 **Section "Animal ecology and conservation"**, Moderator: assoc. prof. N. Natchev, hall 202
- 15:30 – 16:00 **Earth Day 2016 – Trees for the Earth.** Let's get planting – a tree (Aronia) in the campus of University of Shumen
- 16:00 – 17:30 **Poster session:** lobby on the third floor
- 16:30 – 17:00 **Art exhibition "Earth is our home"**, students of "Sava Dobroplodni" Secondary school, tutors: Violeta Petrova, lobby on the third floor
- 17:00 – 17:30 Visit to the laboratories of Ecology, Microbiology and Genetics
- 17:30 **Conference cocktail party:** lobby on the third floor

April 23, 2016

- 9:30 – 12:00 **Section "Environment and health, education, technologies"**, Moderator: assoc. prof. V. Koleva, hall 202
- 12:00 – 13:00 Lunch
- 13:00 – 15:30 **Section "Plant ecology and conservation"**, hall 202, Moderator: prof. Ts. Ivanova, hall 202
- 15:30 – 15:45 Coffee break
- 15:45 – 16:40 Training film for performing bio-relocations activities "A new beginning for the tortoises." 2016. Production of "Social Compass"; Executive Producers: Kostadin Andonov, Alexander Dryanovski; Director: Assoc. Prof. Nikolay Nachev; Script: Yuri Kornilev, Assoc. Prof. Nikolay Nachev. Duration: 51 min. hall 202
- 17:00 – 17:30 Awarding ceremony and Closing Remarks, prof. N. Chipev, hall 202

PROGRAM

Oral presentations

Section “Animal ecology and conservation”

Moderator: assoc. prof. N: Natchev

hall 202

- 13:45 – 14:00 **OP1:** Design specifics of the defragmentation and protection facilities constructed on the Motorway infrastructure in Bulgaria (Nina Stoilova, Nikolay Natchev)
- 14:00 – 14:15 **OP2:** Preliminary data on the distribution of two allochton aquatic turtles in Bulgaria (Yordanka Kuzmanova, Nikolay Natchev)
- 14:15 – 14:30 **OP3:** Ecological and physiological characteristics of the Dice snake (*Natrix tessellata*) and the potential of the species as a bioindicator (Berna Hristova, Vanya Koleva, Diana Dimitrova, Emanuel Redl, Nikolay Natchev)
- 14:30 – 14:45 **OP4:** (Micro-)habitat utilization by *Pseudopus apodus* (Pallas, 1775) and its synthopic herpetofauna in a “hot-spot” near Burgas, SE Bulgaria (Ivan Telenchev, Nikolay Tzankov, Lina Paunova, Yurii Kornilev, Nikolay Natchev)
- 14:45 – 15:00 **OP5:** Males of the slow worm *Anguis colchica* from the region of Natural Park “Shumensko Plato” show atypical coloration during the mating season (Pavlina Marinova, Nikolay Natchev)
- 15:00 – 15:15 **OP6:** A study of the mites (Acari: Parasitiformes) in nests of great tit (*Parus major*) (Rositsa Davidova, Viktor Vasilev, Nailin Ali, Ailjan Dzhevat, Jaklin Bakalova)
- 15:15 – 15:30 **OP7:** Structure of mites’ communities (Acari: Acariformes and Parasitiformes) in nests of *Ficedula semitorquata* (Rositsa Davidova, Viktor Vasilev, Jaklin Bakalova, Nailin Ali, Ailjan Dzhevat)

PROGRAM

Oral presentations

Section: “Environment and health, education, technologies”

Moderator: assoc. prof. V. Koleva

hall 202

- 9:30 – 9:45 **OP8:** The impact of climate change and pollution (Svetlana Strahilova)
- 9:45 – 10:00 **OP9:** Content of copper, zinc and manganese in *Valeriana officinalis*, *Hypericum perforatum* and *Achillea millefolium* collected from clean and polluted areas (Zhaklin Bakalova)
- 10:00 – 10:15 **OP10:** Anticancer potential of different species of *Salvia* L. (Asya Dragoeva, Zheni Dimitrova, Vanya Koleva, Mihail Mihaylov, Lora Georgieva)
- 10:15 – 10:30 **OP11:** *In vitro* study of biological activity of *Origanum vulgare* L. subsp. *vulgare* L. (Irina Yotova, Tsveteslava Ignatova-Ivanova)
- 10:30 – 10:45 **OP12:** A study on current status of herbal utilization in Bulgaria: Part 1 - Application of herbal medicines (Asya Dragoeva, Vanya Koleva, Zheni Nanova, Teodora Koynova, Pavlina Jordanova)
- 10:45 – 11:00 **OP13:** A study on current status of herbal utilization in Bulgaria. Part 2: Safety concerns (Vanya Koleva, Asya Dragoeva, Zheni Stoyanova, Teodora Koynova)
- 11:00 – 11:15 **OP14:** Interactive methods and the potential of their implementation of the education process in “Biology and health education”, VII grade with the purpose of health education of students (Silviya Marinova, Maria Boycheva)
- 11:15 – 11:30 **OP15:** Possibilities of creating health and environmental competencies in Chemistry and Environmental protection education in 8th grade (Momchil Drazhev, Petinca Galcheva)
- 11:30 – 11:45 **OP16:** Opportunities of extracurricular activities to enhance students' interest in the subject (Sevdjihan Ismailova, Petinca Galcheva, Krasimira Dimitrova)
- 11:45 – 12:00 **OP17:** Restoration and conservation of copper objects from the collection of the Regional Historical Museum - Dobrich for their participation in the jubilee exhibition dedicated to the 40th anniversary of the first excavations in Durankulak (Milena Barbova, Desislava Hristova, Radoslav Ivanov)

PROGRAM

Oral presentations

Section: “Plant ecology and conservation”

Moderator: prof. Ts. Ivanova

hall 202

- 13:00 – 13:15 **OP18:** The alien plants in Shumen Plateau Natural Park (Dimcho Zahariev, Todorka Todorova)
- 13:15 – 13:30 **OP19:** The plants in the Red Data Book of the Republic of Bulgaria in Shumen Plateau Natural Park (Victor Feliksov, Julieta Belcheva)
- 13:30 – 13:45 **OP20:** White-flowered form of *Cephalanthera rubra* on the territory of Shumen Plateau (Zheni Dimitrova, Maria Kaschieva, Virdzhiniya Encheva, Gergana Hristova)
- 13:45 – 14:00 **OP21:** Albinism in plants (Mariya Kaschieva, Zheni Dimitrova, Virdzhiniya Encheva, Gergana Hristova)
- 14:00 – 14:15 **OP22:** Parasitic plants in Bulgaria (Maria Kaschieva, Zheni Dimitrova, Khristina Zheleva)
- 14:15 – 14:30 **OP23:** Detailed GIS mapping of plants with conservation status in Central Group of protected area Pobiti Kamani (Northeastern Bulgaria) (Stoyan Vergiev)
- 14:30 – 14:45 **OP24:** Pollen productivity estimates of key plant taxa for palaeoecological quantitative reconstructions in Northeastern Bulgaria (Stoyan Vergiev, Mariana Filipova-Marinova)

PROGRAM

Poster session

Moderator: dr. Darina Bachvarova
lobby on the second floor
16:00 – 17:30

Section “Ecology, environment and technologies”

- P1** Biological Diversity of Diplopoda communities on the Madara Plateau, North-eastern Bulgaria (Darina Bachvarova, Memduha Mehmedova, Alexander Doichinov)
- P2** The importance of national Park "Pirin" for conservation of biodiversity of Bulgaria (Yordanka Kuzmanova, Desislava Miteva)
- P3** Parental behavior of field sparrows *Passer montanus* in feeding youngsters in nesting house (Tanya Mozakova, Victor Vassilev)
- P4** Investigation of the biotechnological parameters of a strain *Lactobacillus fermentum* S8, cultivated on different carbohydrates (Sevginar Ibrjamova, Krasimir Tachev, Radoslav Ivanov, Tsvetoslava Ignatova-Ivanova)
- P5** Radiation and microwave treatment of medical waste - innovative technologies supporting conventional methods of waste management (Neli Ermenlieva, Emilia Georgieva, Tatina Todorova, Tsvetelina Kostadinova, Gabriela Tsankova)
- P6** Incineration – basic approach to medical waste treatment (Neli Ermenlieva, Emilia Georgieva, Gabriela Tsankova, Tatina Todorova, Tsvetelina Kostadinova)
- P7** The relict plants in Shumen Plateau Natural Park (Victor Feliksov, Julieta Belcheva, Gergana Petkova, Trayana Vasileva)
- P8** Illegal logging on the Shumen Plateau (Rositsa Stancheva, Sisiliya Nedyalkova, Stanislava Stancheva)

Section “Environment: health and health education”

- P9** Genetically modified organisms – an environmental and health risk (Darina Bachvarova, Denis Beynunov, Aleksandar Doichinov)
- P10** Biological causes of anorexia nervosa and bulimia nervosa (Masha Radoslavova, Asya Dragoeva, Vanya Koleva, Desislava Miteva, Victoria Krassenova)
- P11** Health risk of being underweight and overweight (Masha Radoslavova, Asya Dragoeva, Vanya Koleva, Victoria Krassenova)
- P12** Development of ecological culture of pupils of educational institutions North Caucasus (G. Nedyurmagomedov, D. Dzharullaev)
- P13** Determination of carbohydrate composition in bulgarian vegetables (Ivanka Petrova, Nadezhda Petkova)
- P14** Health impact of urban and peri-urban recreation areas (Asya Dragoeva, Vanya Koleva, Ivayla Kuleva, Teodora Koynova, Selime Ali, Esengyul Ismailova)