



PROGRAM

EIGHTH STUDENT SCIENTIFIC CONFERENCE “ECOLOGY AND ENVIRONMENT”

April 24-25, 2020

Plenary lecture

Microbiological and ecological assessment of the habitat of the mussel *Mytilus galloprovincialis* Lam., (S. Ibryamova, S. Valkova, E. Stanachkova, K. Kalchev, R. Ivanov, Z. Dimitrova, T. Koynova, D. Doichev, N. Chipev, N. Natchev, Ts. Ignatova-Ivanova)

Section “Ecology and education”

(Oral presentations)

Moderator: assoc. prof. Vanya Koleva

OP1: Formation of cognitive educational actions in the process of teaching ecology (G.G. Nedyurmagomedov, D.G. Dzharullaev)

OP2: Application of computer technologies in the process studies of the “Ecology” course in the basic school, G.G. Nedyurmagomedov, T.M. Dzhamalutdinova, Z.M. Dzhahbarova



KONSTANTIN PRES LAVSKY UNIVERSITY OF SHUMEN
FACULTY OF NATURAL SCIENCES
DEPARTMENT OF BIOLOGY



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Section "Zoology"

(Oral presentations)

Moderator: prof. Nikolay Natchev

OP3: An update to the faunistic diversity of the autochthonous cockroaches (Blattodea) in Sarnena Sredna Gora Mts. (Georgi Hristov, Teodora Teofilova, Nikolay Kodzhabashev)

OP4: New glow-worm from the Sarnena Sredna Gora Mts. – *Phosphaenus hemipterus* Goeze, 1777 (Coleoptera: Lampyridae) (Teodora Teofilova, Denis Gradinarov, Elena Zdravkova, Kalina Kotzeva, Stilian Stefanov, Georgi Boevski, Nikolay Kodzhabashev)

OP5: A study of the myriapode fauna (Diplopoda, Chilopoda) on the Frangensko Plateau, North-Eastern Bulgaria (Rasim Halilov, Darina Bachvarova, Sevda Hamza)

OP6: Structure of Testate Amoebae Fauna (Amoebozoa, Rhizaria) in Baltata Reserve (Northeast Bulgaria), (Rositsa Davidova, Pavlina Koleva, Maria Boycheva)

OP7: Revision of the genus *Tapirus* - an animal taxon which is largely neglected in the Bulgarian educational programs (Elis Vasfi, Valeriya Velkova)

OP8: Herpetological transect in the area of the firth of the Ropotamo river (Teodora Koynova, Dimitar Doichev, Sesil Mustafova, Nikolay Natchev)

OP9: The distribution of the Bulgarian Bent-toed Gecko (*Mediodactylus danilewskii*) in Shumen, Bulgaria (Teodora Koynova, Dimitar Doichev, Aysel Lyatif, Nikolay Natchev)

OP10: General remarks on the specifics of the feeding systems in Vertebrates (Kristina Yordanova, Nikolay Natchev)

OP11: Herpetological transects in the area Cholakova cheshma (Teodora Koynova, Dimitar Doichev, Rumyana Stefanova, Nikolay Natchev)



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Section "Environmental ecology, cell biology"

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Moderator: assoc. prof. Zheni Stoyanova

OP12: Biodiversity investigation by the use of camera traps in Shumen Plateau Nature Park, Bulgaria (Teodora Koynova, Dimitar Doichev, Desislava Taneva, Nikolay Natchev)

OP13: Microbiological characteristics of white sand mussel *Mya arenariai* (B. Pavlova, S. Ibrayamova, D. Doychev, K. Kalchev, D. Bachvarova, Ts. Ignatova-Ivanova)

OP14: Microbiological characteristics of mussel *Mytilus galloprovincialis* Lam. (S. Ibrayamova, B. Pavlova, A. Ibrahim, E. Stanachkova, D. Doichev, N. Natchev, Ts. Ignatova-Ivanova)

OP15: Determination of toxicity of aminoderivatives of 1,2-alkadienephosphonates on *Triticum aestivum* L. (Irina Yotova, Vanya Koleva, Asya Dragoeva, Dobromir Enchev)

OP16: Aneyploidy in natural populations of the sibling species *Microtus arvalis* Pallas, 1778 and *Microtus rossiaemeridionalis* Ognev 1924 (Sema Basri, Nedko Nedyalkov, Ivaylo Raykov, Vanya Koleva)

OP17: Possibilities of therapeutic use of *Achillea thracica* Velen. (Stefani Toshkova, Borislava Pavlova, Vanya Koleva, Zheni Stoyanova, Asya Dragoeva)

OP18: Likeless consequences of climate change for security and sustainable development, (Doncho Ivanov)



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Section "Technology and the environment"

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Moderator: assoc. prof. Darina Bachvarova

OP19: Models for predicting solution properties and solid-liquid equilibrium in binary fluoride systems of the type 1-1 (Nidelina Petkova, Stanislav Donchev, Christomir Christov)

OP20: Hydrogen as a fuel and how it can make our cars better and cleaner (Mario Vasilev, Ekaterina Konstantinova, Tsvetoslav Tsankov)

OP21: The use of drones in the field of environmental protection (Borislav Yanev, Ekaterina Konstantinova, Viktor Lilov)

OP22: Reducing exhaust emissions by increasing the power-to-volume ratio of the internal combustion (Viktor Lilov, Anton Borisov, Tsvetoslav Tsankov)

OP23: Creating a conservatory in the city of Shumen from eco friendly materials with a syngas heating system (Ekaterina Konstantinova, Borislav Yanev, Tsvetoslav Tsankov)

OP24: Best practices in choosing plant species for a conservatory in the city of Shumen (Ekaterina Konstantinova, Mario Vasilev, Damna Ahmedova)