



Programme of the
„PhD student Scientific Session of the FMNS“
15.06.2016



9:30 – 10:00	Registration
10:00-10:30	Opening, Plenary report
Section	Mathematics and Informatics
Moderator	Assist. Prof. Irena Atanasova, PhD
Time	Reports
10:30-10:40	<u>Aneliya Urumova, Mihail Kolev</u> Investigation of some ecological factors by the use of mathematical methods
10:40-10:50	<u>Metodi Traykov, Petar Milanov, Ivan Trenchev</u> Finding an Upper Bound for the Number of Contacts in Hydrophobic-Hydrophilic Protein Structure Prediction Model
10:50-11:00	<u>Gergana Koroleova, Stefan Stefanov, Nevena Pencheva, Peter Milanov</u> Mathematical modeling of torque- velocity relationship with sigmoidal and polynomial curves
11:00-11:10	<u>Abdulrahman Alsabri, Daniela Dureva, Georgi Tuparov</u> Students' readiness for mobile learning in Republic of Yemen – a pilot study
Section	Chemistry
Moderator	Assist. Prof. Maya Chochkova, PhD
Time	Reports
11:10-11:20	<u>Radoslav Chayrov, Luchia Mukova, Angel Galabov, Ivanka Stankova</u> Amantadine and rimantadine analogues-synthesis and biological activity
11:20-11:30	<u>Boyka Stoykova, Maya Chochkova, Lubomira Nikolaeva-Glomb, Galya Ivanova, Martin Štícha, Tsenka Milkova</u> Anti-influenza drug derivatives with potential biological activity
11:30-11:40	<u>Dimka Ivanova, Petko Mandjukov</u> Proficiency testing (PT) - statistical approaches and criteria for evaluation of results
11:40-11:50	<u>Ivo Bardarov, Yolina Hubenova, Mario Mitov</u> Influence of the physicochemical parameters on the electrical outputs of Sediment Microbial Fuel Cells
11:50-12:00	<u>Mariya Vakarelska-Popovska, Mihaela Stefchova, Ivaylo Madjarov, Veronika Karadjova, Zhivko Velkov</u> Synthesis, spectral and quantum-chemical investigation of the Cu(II) complexes with mono-hydroxyflavones
Section	Methodology of teaching natural sciences
Moderator	Assoc. Prof. Stefan Manev, PhD
Time	Reports
12:10-12:20	<u>Georgi Malchev, Radost Vasileva</u> Didactic model for the development of students' cognitive skills in studying electromagnetic phenomena
12:20-12:30	<u>Magdalena Shekerliyska, Velichka Dimitrova</u> Results of the implementation of educational tasks in the 10 th grade chemistry class
12:30-12:40	<u>Maya Stoyanova, Kostadin Samardzhiev, Daniela Dureva</u> Practical applications of information and computer technology in the teaching process of mathematics

12:40-12:50	<u>Emiliya Nikolova, Daniela Dureva</u> Curricular cuts options in teaching Informatics and Mathematics in secondary school
12:50-13:00	<u>Elena Radovanova, Elena Varbanova, Sava Grozdev</u> Key factors for successful learning of Mathematics in German language – preparatory course
13:00 – 14:00	Lunch brake
Section	Geography and Ecology
Moderators	Prof. Maria Shishmanova, PhD, Assoc. Prof. Lidiya Sakelarieva, PhD
Time	Reports
14:00-14:10	<u>Alexandar Pulev, Lidiya Sakelarieva, George Manolev</u> Winter activity of the Anurans (Amphibia: Anura) in Bulgaria
14:10-14:20	<u>Veselina Dalgacheva, Borislav Yurukov, Liuben Elenkov</u> Influence of the wind to development of convective flow above the area of forest fire
14:20-14:30	<u>Vladimir Karadzhev, Elena Karashtranova, Maria Shishmanova</u> Students' brigades - benefits, opportunities and disadvantages
14:30-14:40	<u>Gergana Nikolova, Emiliya Patarchanova</u> Municipalities Rila and Kocherinovo - zone shared gravity
14:40-14:50	<u>Krasimir Videv, Penka Kastreva</u> Creation of maps compatible with Google maps
14:50-15:00	<u>Nevena Malakova, Lidiya Sakelarieva, Alexandar Pulev</u> Diversity, distribution and conservation status of the Reptiles (Reptilia) in protected area „Oranovski Prolom – Leshko” (BG0001022), Bulgaria
15:00-15:10	<u>Nikolinka Nikolova, Stefka Tsekova</u> Opportunities to modernize the activities of waste management on the basis of cluster approach - Blagoevgrad region
15:10-15:20	<u>Plamen Stoyanov, Maria Shishmanova</u> Creative industry - essence and importance. EU policy on the creative economy. Good practices for promoting the creative industry
15:20-15:30	<u>Rosen Iliev, Krasimir Stoyanov</u> Importance of quaternary morphotectonic of the Rhodopean mountain massiff regarding of the regional endogenous risk processes
15:30-15:40	<u>Rosen Yanev, Maria Shishmanova</u> Research on the intensity of the implemented policy of sustainable regional development in Bulgaria
15:40-15:50	<u>Iliya Mitkov, Emil Gachev</u> Age of glacial relief as an indicator of the intensity of tectonic movements in southwestern Bulgarian mountains
15:50-16:00	<u>Svetoslav Nikolov, Ivan Drenovski</u> Contemporary trends of anthropogenic influence in the bulgarian part of Vlahina mountain
16:00-16:10	<u>Miroslav Ivanov, Krasimir Stoianov</u> Comperative study of three cases of modern landslide activity in south-west Bulgaria
16:10-16:20	<u>Galina Bezinska, Penka Kastreva</u> Mapping the drainage density of small catchments along the Mesta River
16:20-16:30	Handing out awards and certificates for participation. Closing.