

PROGRAMME SUMMARY

| TUESDAY, NOVEMBER 19TH 2013 | | |
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| 14.00 – 17.00 | Registration | Foyer |
| WEDNESDAY, NOVEMBER 20TH 2013 | | |
| Time | Session | Auditorium |
| 08.30 – 12.00 | Registration | Foyer |
| 08.30 – 13.00 | Poster mounting for all poster presentations | Foyer |
| 09.00 – 09.30 | Opening Assoc. Prof. Mariela Odjakova, Dean of the Faculty of Biology | 239 |
| WEDNESDAY, NOVEMBER 20TH 2013 | | |
| Time | Session I Plenary lectures | Auditorium |
| | Chairman – Prof. Mathias Sprinzl, <i>Chairman of WOGCEE, FEBS</i> Secretary – Assist. Prof. Ivan Traykov | |
| 09.30 – 10.00 | PROF. STEFAN NONCHEV <i>University Grenoble – Alpes, Institute Albert Bonniot, France</i> The mouse « bald Mill Hill » (bmh) condition is related to a loss of stem cell niche integrity | 239 |
| 10.00 – 10.30 | PROF. PETKO PETKOV <i>The Jackson Laboratory, USA</i> Regulation of meiotic recombination initiation | 239 |
| 10.30 – 11.00 COFFEE BREAK | | |
| Time | Session I Plenary lectures | Auditorium |
| | Chairman – Prof. Keith Elliott, <i>Education Committee, FEBS</i> Secretary – Assist. Prof. Lyuben Zagorchev | |
| 11.00 – 11.30 | PROF. MATHIAS SPRINZL <i>Laboratorium für Biochemie, Universität Bayreuth, Germany</i> Perspectives of Nucleic Acid Biosensors for medical applications; Electrically readable biochips for rapid RNA analysis | 239 |
| 11.30 – 12.00 | PROF. VASSILIS MOUGIOS <i>Aristotle University of Thessaloniki, Thessaloniki, Greece</i> Contributions of exercise biochemistry to human health and performance | 239 |
| 12.00 – 12.30 | PROF. EVA ČELLÁROVÁ <i>University in Košice, Faculty of Science, Institute of Biology and Ecology Slovak Republic</i> <i>Hypericum</i> spp.: From Myths to Biotechnology | 239 |
| 12.30 – 14.00 LUNCH BREAK | | |

| Time | Session I Plenary lectures | Auditorium |
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| | Chairman – Prof. Atanas Atanassov, <i>Joint Genomic Centre</i> Secretary – Assist. Prof. Atanas Grozdanov | |
| 14.00 – 14.30 | PROF. ADELE MUSCOLO <i>Agriculture Department, “Mediterranea” University, Reggio Calabria Italy</i> Soil in the context of a green economy for a sustainable development | 239 |
| 14.30 – 15.00 | PROF. JEAN-PIERRE DESCY <i>Laboratory of Freshwater Ecology – URBE, University of Namur, 61 Rue de Bruxelles, B-5000, Namur, Belgium</i> Lake Kivu, East Africa: a lakeful of trouble? | 239 |
| 15.00 – 15.30 | PROF. GEORG GÄRTNER <i>University of Innsbruck, Institute of Botany, Innsbruck, Austria</i> Progress and problems in the taxonomy of coccooid green algae | 239 |
| 16.30 – 18.00 | 50 years Faculty of Biology – Celebration Ceremony | 239 |
| 18.00 – 20.00 | Cocktail | Foyer |
| THURSDAY, NOVEMBER 21ST 2013 | | |
| Time | Session II Oral Presentations | Auditorium |
| | Chairman– Prof. Zdravko Lalchev, <i>Sofia University</i> Secretary– Assist. Prof. Jovana Todorova | |
| 09.00 – 09.15 | Natalya Stoyanova , Maya Hadjieva, Igljka Djoumerska-Alexieva, Jordan Dimitrov, Lubka Roumenina, and Tchavdar Vassilev <i>Intravenous Immunoglobulin with Enhanced Polyspecificity Improves Survival in Experimental Sepsis and Aseptic Systemic Response Syndrome (SIRS)</i> | 239 |
| 09.15 – 09.30 | M. Belouhova , I. Schneider, S. Chakarov, I. Ivanova, Y. Topalova <i>Microbial Community Development of Biofilm in Amaranth Decolorization Technology Analysed by FISH</i> | 239 |
| 09.30 – 09.45 | Robert Penchovsky , Martina Trajkovskasky <i>Engineering microfluidic and nucleic-acids-based biosensing devices with versatile applications to modern biotechnology</i> | 239 |
| 09.45 – 10.00 | Georg Gartner, Blagov Uzunov , Elisabeth Ingolic, Werner Kofler, Gergana Gacheva, Plamen Pilarski, Lyuben Zagorchev, Mariela Odjakova and Maya Stoyneva <i>Microscopic investigations (LM, TEM and SEM) and identification of Chlorella isolate R-06/2 from extreme habitat in Bulgaria with a strong biological activity and resistance to environmental stress factors</i> | 239 |
| 10.00 – 10.30 COFFEE BREAK | | |

| Time | Session II Oral Presentations | Auditorium |
|-----------------------------------|--|------------|
| | Chairman – Prof. Spasimir Tonkov, <i>Sofia University</i> Secretary – Assist. Prof. Anita Tosheva | |
| 10.30 – 10.45 | <u>Hristo Stoyanov</u> <i>Analysis and assessment of amphidiploids of Triticum-Aegilops group as a source of genetic diversity</i> | 239 |
| 10.45 – 11.00 | <u>Dessislava Dimitrova</u> , Teodora Ivanova, Yulia Bosseva, Michele Rumiz <i>Biodiversity conservation in the Balkan traditional foods context</i> | 239 |
| 11.00 – 11.15 | Hatice Kubra EROGLU, <u>Ibrahim Ilker OZYIGIT</u> , Volkan ALTAY and Celal YARCI <i>Autecological characteristics of Centaurea hermannii F. Hermann, an endemic species for Istanbul-Turkey</i> | 239 |
| 11.15 – 11.30 | <u>Racho Stoev</u> <i>Anthropological picture of bulgarian population around 1940</i> | 239 |
| 11.30 – 14.00 LUNCH BREAK | | |
| Time | Session II Oral Presentations | Auditorium |
| | Chairman – Prof. Adele Muscolo, <i>Università Mediterranea di Reggio Calabria (Italy)</i> Secretary – Assoc. Prof. Anely Nedelcheva | |
| 14.00 – 14.15 | <u>Y. Todorova</u> , S. Lincheva, Y. Topalova <i>Risk management scenario for multiple heavy metal contamination at river sediments in the Middle Iskar cascade</i> | 239 |
| 14.15 – 14.30 | Ralitsa E. Dimitrova, <u>Elena P. Nenova</u> , Blagoy A. Uzunov, Maria D. Shishiniova and Maya P. Stoyneva <i>Phytoplankton based ecological assessment of the critically endangered Protected area, Ramsar and Natura 2000 site Black Sea coastal wetland Vaya for the period 2004-2006 and comparison with the changes in its state during the last 30 years. I. Taxonomic composition and representation of different functional groups in the phytoplankton.</i> | 239 |
| 14.30 – 14.45 | Ralitsa E. Dimitrova, <u>Elena P. Nenova</u> , Blagoy A. Uzunov, Maria D. Shishiniova and Maya P. Stoyneva <i>Phytoplankton based ecological assessment of the critically endangered Protected area, Ramsar and Natura 2000 site Black Sea coastal wetland Vaya for the period 2004-2006 and comparison with the changes in its state during the last 30 years. II. Phytoplankton abundance and structural parameters.</i> | 239 |
| 14.45 – 15.00 | <u>Maya P. Stoyneva</u> , Ivan Traykov, Anita Tosheva, Ralitsa Zidarova, Jean-Pierre Descy and Blagoy A. Uzunov <i>Comparison of ecological state/potential assessment of 20 Bulgarian water bodies, based on the WFD biological qualitative elements “macrophytes” and “phytoplankton”, according to the recent national legislation documents, in the period 2011-2012</i> | 239 |
| 15.00 – 15.30 COFFEE BREAK | | |

15.30 – 18.00 POSTER SESSION

MOLECULAR AND CELL BIOLOGY

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| MB1 | Lyuben Zagorchev , Miroslava Terzieva, Marina Stoichkova, Mariela Odjakova <i>Protein thiols status during salt stress response in embryogenic suspension cultures of Dactylis glomerata L.</i> |
| MB2 | K. Ivanova , K. Miladinova, T. Georgieva, Y. Markovska <i>A Possible Role of Some Antioxidative Enzymes in Tolerance of Paulownia to NaCl</i> |
| MB3 | Marko Kolaksazov , Kiril Mishev, Frédéric Laporte, Michel Herzog, Evguéni D Ananiev <i>Comparative study of frost-tolerant Arabis alpina populations from the region of “The Seven Rila Lakes” and the French Alps</i> |
| MB4 | Lyubov Hristova , Ralica Skrobanska, Alexander Evangelatov, Milena Dimitrova <i>Assessment of the cytotoxic and adjuvant potential of the chloroform extract of the in vitro cultivated plant Artemisia chamaemelifolia Vill. on human tumor cell lines.</i> |
| MB5 | I.V. Sainova , V. G. Pavlova, I. P. Valkova, B. L. Alexieva, E. B. Nikolova <i>Antioxidant and immunomodulatory effects of aronia melanocarpa extract in vivo and in vitro</i> |
| MB6 | Vladimir Alexandrov , Vasilena Krasteva, Momchil Paunov, Maria Chepishcheva Vasilij Goltsev <i>Effect of deficiency of micro- and macro-elements K, Ca, Fe, S, P, N and Mg in nutrient medium on photosynthesis in bean and maize plants analyzed by luminescent method</i> |
| MB7 | Vassilena Krasteva , Vladimir Alexandrov, Shteryan Dambov, Momchil Paunov, Vasilij Goltsev <i>Correlation between leaf water content of Phaseolus vulgaris plants and parameters of prompt and delayed chlorophyll a fluorescence transients</i> |
| MB8 | Elitsa Ivanova, Virginia Doltchinkova , Georgi G. Yordanov <i>CdS nanocrystals interaction with human erythrocyte and higher plants thylakoid membranes</i> |
| MB9 | D. Todorov , K. Shishkova, M. Dimitrova, Z. Yordanova, S. Shishkov, V. Kapchina-Toteva <i>Antiviral activity of Bulgarian medicinal plant Nepeta pannonica L.</i> |
| MB10 | Goritsa Ragleova , Maria Tsaneva, Andrew Keightley, Ivelyn Pantchev, Ivanka Tsacheva, Magdalena Tchorbadjieva <i>Molecular cloning, expression and purification of extracellular acidic endochitinase from embryogenic suspension cultures of Dactylis glomerata L.</i> |
| MB11 | Pavlina Petkova , Christopher Baker, Michael Walker, Petko Petkov, Kenneth Paigen <i>Suppression and quantitative control of meiotic recombination hotspot activity</i> |
| MB12 | Aleksandar Evangelatov , Ralica Skrobanska, Elena Stefanova, Roumen Pankov <i>Cell proliferation in native GD25β1 3D cell cultures is regulated via differential sequestering of activated ERK1/2 kinase</i> |
| MB13 | Eva Popova , Valentin Velinov, Mariela Odjakova <i>Glycation activity of various reducing sugars and ascorbic acid in in vitro model system</i> |
| MB14 | Katerina Markoska , Ludmila A. Mamon, Elina O. Avanesyan <i>Molecular structure of alternative transcripts of Dm nxf1 gene of Drosophila melanogaster</i> |
| MB15 | Maria Ananieva , Ilia Iliev, Iskra Ivanova <i>Gene Expression of enzymes involved in utilization of xylo-oligosaccharides by Lactobacillus strains</i> |
| MB16 | Zoltan Urshev , Daniela Ishlimova <i>Distribution of clustered regularly interspaced palindrome repeats CRISPR2 and CRISPR3 in Lactobacillus delbrueckii ssp. bulgaricus strains</i> |
| MB17 | Emilova R. , Dimitrova D., Daneva T., Mladenov M., Schubert R., Gagov H. <i>Cystathionine gamma-lyase reverses perivascular adipose tissue dependent relaxation in skeletal muscle arteries of diabetic rats</i> |
| MB18 | Milena Shkodrova , Mariela Vydevska-Chichova, Hristo Dimov, Dimitar Ganchev, Dilyana Doncheva-Stoimenova, Yulian Zagraniarsky, Tsvetanka Cholakova, Sabi Varbanov <i>Influence of [(dimethylphosphinylmethyl)amino](phenyl)-methylphosphonic acid on atp-ase activity of rat liver mitochondria</i> |
| MB19 | Bilyana Ilieva , Y. Ivanova, I. Sazdova, P. Vasileva, H. Gagov <i>Influence of silver nanoparticles with different surface coating on the excised frog heart</i> |
| MB20 | Petar Eftimov , Nadezhda Stefanova, Georgi As. Georgiev, Zdravko Lalchev <i>Effect of hydrophilic polymers on the wettability, static and dynamic, of solid substrate covered by confluent monolayer of air damaged SIRC cells</i> |

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| MB21 | <u>M. Keremidarska</u> , A. Ganeva, Dimitar Mitev, T. Hikov, Radina Presker, L. Pramatarova N. Krasteva <i>Cytotoxicity of different detonation nanodiamond particles</i> |
| MB22 | <u>Rossitsa Hristova</u> , Yulia Petseva, Iskra Yanakieva, Mihaela Peycheva I, Rumena Petkova, Anastas Gospodinov, Stoyan Chakarov, Lyubomira Chakalova <i>The human foetal globin genes exhibit a two-wave pattern of transcription in primary erythroid cultures</i> |
| MB23 | <u>Novko S. Stanilov</u> , Lyuba D. Miteva, Zlatka G. Dobрева, Jovcho P. Jovchev, Spaska A. Stanilova <i>Colorectal cancer severity and survival in corelation with TNF-α</i> |
| MB24 | <u>Vladimira V. Vasilieva</u> , Mitko G. Alyakov, Margarita D. Apostolova <i>Radioprotective effect on HepG2 cells and primary human lymphocytes of different copper chelators.</i> |
| MB25 | <u>Veleva R.</u> , Petkova B., Moskova-Doumanova V., Dimitova M., Jordanova Z., Doumanov J., Kapchina-Toteva V., Topouzova-Hristova T. <i>Changes in the morphological and functional characteristics of tumor and normal cells after treatment with extracts of white dead nettle</i> |
| MB26 | <u>Iliina Valkova</u> , Iskra Sainova, Velichka Pavlova and Elena Nikolova <i>In vitro-cultivation and incubation of human oral mucosa epithelial cells and explants as a modern method for applications in therapeutic strategies in limbal stem cell deficiency</i> |
| MB27 | <u>Irena Manolova</u> , Mariana Ivanova, Anelia Avramova, Rumen Stoilov, Rasho Rashkov, Spaska Stanilova <i>Association of single nucleotide polymorphism at position-308 of the tumor necrosis factor-α gene with ankylosing spondylitis and rheumatoid arthritis</i> |
| MB28 | Petya V. Hadzibozheva, <u>Maria I. Lazarova</u> , Anna N. Tolekova, Reni E. Kalfin <i>Modulatory effects of peptide ghrelin on urinary bladder and its role in diabetes</i> |
| MB29 | <u>Zhechko Dimitrov</u> , Irina Gotova, Elena Chorbadijska <i>Characterization of the adhesins of selected probiotics to human epithelium</i> |
| MB30 | <u>Dimitova M.</u> , Petkova B, Moskova-Doumanova V., Keremidarska M., Doumanov J., Kapchina-Toteva V., Topouzova-Hristova T. <i>Comparative study of genotoxic effect of extracts from lamium album l. On cancer cells</i> |
| MB31 | <u>Pavlina Chelenkova</u> , Rumena Petkova, Teodora Chamova, Sashka Zheliazkova, Ivaylo Tournev, Stoyan Chakarov <i>The XPCins83 polymorphism in its homozygous state may exert an independent protective effect against cerebrovascular incidents in the Bulgarian population</i> |
| MB32 | <u>V. Pavlova</u> , Ts. Paunova, S. Stoitsova, E. Nikolova <i>Distribution patterns of carbohydrates in murine glycolyx</i> |
| MB33 | <u>Slavyana Ivanova</u> , Nataly Nedelcheva, Yana Nencheva, Georgi As. Georgiev, Zdravko Lalchev <i>Surface chemistry study of the interactions of hyaluronic acid and benzalkonium chloride with meibomian and corneal cell lipids</i> |
| MB34 | <u>Asya Tsanova</u> , Albena Jordanova, Tamara Pajpanova, Evgeny Golovinsky, Zdravko Lalchev <i>Interaction between leucine-enkephalins and model membranes composed of raft forming lipids</i> |
| MB35 | <u>M. Bangvozova</u> , E. Lontova, A. Tsanova, A. Jordanova, S. Ilcheva, V. Ilieva, Y. Yamakova, Z. Lalchev <i>Model Analysis of Alveolar Surfactant in Tracheal Aspirates from a Patient with Pulmonary Alveolar Proteinosis</i> |
| MB36 | <u>Jordan Doumanov</u> , Virjinia Doltchinkova, Kirilka Mladenova, Radoslav Aleksandrov, Georgi Danovski, Stoyan Chakarov, Svetla Petrova <i>ALTERED SURFACE PROPERTIES OF MDCK-hBEST1 CELLS TREATED WITH TOXIC sPLA2</i> |
| MB37 | Jordan Doumanov, Ralitsa Veleva, Milena Dimitrova, <u>Irena Tabashka</u> , Petya Koleva, Veselina Moskova-Doumanova, Kirilka Mladenova, Svetla Petrova, Zhenya Yordanova, Veneta Kapchina-Toteva, Tanya Topouzova-Hristova <i>Extracts from lamium album l. Affect polarity properties of MDCK II cells</i> |
| MB38 | <u>Kirilka Mladenova</u> , Svetla Petrova, Veselina Moskova-Doumanova, Tanya Topouzova-Hristova, Christina Chakarova, Zdravko Lalchev And Jordan Doumanov <i>Trans epithelial resistance in human bestrophin-1 stably transfected MDCK cells</i> |

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| MB39 | Kirilka Mladenova, Jordan Doumanov, Radoslav Aleksandrov, Georgi Danovski, <u>Svetla Petrova</u> <i>INTERACTIONS OF PHARMACOLOGICALLY ACTIVE SNAKE VENOM sPLA2 WITH DIFFERENT CELL LINES</i> |
| MB40 | <u>E. Stoimenova</u> , D. Tsanova, G. Magaranov, A. Jordanova, E. Vasileva - Tonkova, D. Galabova, Z. Lalchev <i>Surface properties of bacterial rhamnolipids, exogenous surfactant preparations, and their mixtures</i> |
| MB41 | <u>Kristivan Kanev</u> , Ginka Nikolova, Georgi Georgiev, Slavyana Ivanova, Yana Nencheva, Zdravko Lalchev, Magdalena Tchorbadjieva, Ivanka Tsacheva <i>Biochemical analysis of the interaction of human CIq with phosphatidylserine as an early marker for apoptosis</i> |
| BIOTECHNOLOGY | |
| BTH1 | <u>Todorov Svetoslav</u> , Monika Wachsmann, Tsvetoslava Ignatova-Ivanova, Iskra Ivanova <i>Lactobacillus plantarum ST16Pa – are we ready to use it as bio-protective culture?</i> |
| BTH2 | <u>Ivo Ganchev</u> , Zdravka Koleva, Joana Kizheva, Penka Moncheva, Petia Hristova <i>Lactic acid bacteria from spontaneous fermented rye sourdough</i> |
| BTH3 | <u>Rositsa Denkova</u> , Svetla Ilieva, Zapryana Denkova, Ljubka Georgieva, Mariya Yordanova, Dilyana Nikolova, Yana Evstatieva <i>Production of wheat bread without preservatives using sourdough starters</i> |
| BTH4 | <u>Plamena Zheleva</u> , Tonka Vasileva, Tanya Mandadzhieva, Iskra Ivanova and Ilia Iliev <i>Influence of lactose concentration on the alpha-galactosidase and beta-galactosidase activity of Lactobacillus plantarum</i> |
| BTH5 | Zoltan Urshev, <u>Nadva Ninova-Nikolova</u> , Daniela Ishlimova, Kalinka Pashova-Baltova, Michaela Michaylova, Tatyana Savova <i>Selection of naturally occurring high acidification rate Streptococcus thermophilus strains</i> |
| BTH6 | <u>Tanya Mandadzhieva</u> , Iskra Ivanova, Ilia Iliev <i>Fermentative capacity of Lactobacillus strains cultivated on lactose and its derivatives</i> |
| BTH7 | <u>R. Georgieva</u> , L. Yocheva, L. Tzerovska, G. Zhelezova, N. Stefanova, A. Atanasova, A. Danguleva, G. Ivanova, N. Karapetkov, N. Rumyan, E. Karaivanov <i>Antimicrobial activity and antibiotic susceptibility of Lactobacillus and Bifidobacterium spp. intended for use as starter and probiotic culture</i> |
| BTH8 | <u>Kalinka Baltova</u> , Zhechko Dimitrov <i>Probiotic and cultural characteristics of the strain L.gasseri 4/13 with human origin</i> |
| BTH9 | Zhechko Dimitrov, <u>Elena Chorbadijvska</u> , Irina Gotova, Kalinka Pashova <i>Specially selected adjunct cultures remarkable increase the content of bioactive peptides in Bulgaria white brined cheese.</i> |
| BTH10 | <u>Svetla Danova</u> , Rositsa Tropcheva, Violeta Yakimova, Petko Petkov and Iskra Ivanova <i>Raditional dairy products, as a promising source of probiotic bacteria</i> |
| BTH11 | <u>Jivka Atanasova</u> , Penka Moncheva, Iskra Ivanova <i>Proteolytic and antimicrobial activity of Lactic Acid Bacteria grown in goat milk</i> |
| BTH12 | <u>Ignatova-Ivanova Ts.</u> , R. Ivanov, I. Iliev, I. Ivanova <i>Utilization of oligosaccharides by probiotic strains from commercial probiotics products</i> |
| BTH13 | <u>Pavlina Stavkova</u> , Tonka Vasileva, Vanya Naidenova & Ilia Iliev <i>Production of manooligosaccharides by enzymatic hydrolysis of guar gum</i> |
| BTH14 | <u>Milena Tileva</u> , Elena Krachmarova, Elena Filipova, Ivan Ivanov, Genoveva Nacheva Klaus Maskos. <i>Solubility-enhancing “tag” approach for production of recombinant human interferon gamma</i> |
| BTH15 | <u>Elena Krachmarova</u> , Milena Tileva, Elena Filipova, Ivan Ivanov, Genoveva Nacheva Klaus Maskos <i>A new approach for production of functional recombinant human interferon-gamma</i> |
| BTH16 | <u>Elena Filipova</u> , Milena Tileva, Elena Krachmarova, Ivan Ivanov and Genoveva Nacheva <i>Optimization of cultivation conditions for production of soluble recombinant human interferon-gamma</i> |

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| BTH17 | <u>Dessislava Lazarova</u> , Zhivko Zhelev, Genoveva Zlateva, Ichio Aoki, Rumiana Bakalova <i>Delivery of quantum dots in cancer using size-controlled long-circulating polymersomes</i> |
| BTH18 | <u>Nikolay Petrov</u> , Mariya Stoyanova, Rayna Andonova <i>Induction of resistance to Potato virus Y strain NTN in potato plants through RNAi</i> |
| BTH19 | <u>Galina Treneva</u> , Yuliana Markovska, Evelyn Wolfram, Kalina Danova <i>Effect of plant growth regulators on growth patterns and physiological status of Hypericum calycinum shoot cultures</i> |
| BTH20 | <u>Elena Georgieva</u> , Detelina Petrova, Jenja Iordanova, Veneta Kapchina-Toteva, Eva Cellarova, Ganka Chaneva <i>Influence of cryopreservation on the antioxidative activity of in vitro cultivated Hypericum species</i> |
| BTH21 | <u>I. Schneider</u> and Y. Topalova <i>Kinetic parameters of protease activity of Peptostreptococcus sp. as a tool for regulation of dairy wastewater treatment</i> |
| BTH22 | Vyara Mamataarkova, Irina Karadjova, <u>Mario Tsenov</u> , Pavel Gyurov, Elena Ivanova <i>Behaviour of biofilm of Acidithiobacillus ferrooxidans JCM 3863 in presence of nickel ions</i> |
| BTH23 | Vyara Mamataarkova, Irina Karadjova, <u>Georgi Mitov</u> , Nataliya Gerginova, Silviya Geneva <i>Influence of silver ions on growth and oxidation activity of Acidithiobacillus ferrooxidans JCM 3863 in biofilm</i> |
| BTH24 | <u>Karamfil Kalchev</u> <i>Purification and characterization of proteases and protease inhibitors from streptomyces strains</i> |
| BTH25 | <u>Valentina Ganeva</u> , Bojidar Galutzov, Boyana Angelova, Debora Stefanova, Isabel Velasco, Miguel Arévalo-Rodriguez <i>Application of pulsed electric field treatment for liberation of intracellular proteins from Saccharomyces cerevisiae</i> |
| BTH26 | <u>Boyana Angelova</u> , Bojidar Galutzov, Valentina Ganeva <i>Electroinduced release of proteins and vitamin B6 from brewer's yeast</i> |
| BTH27 | <u>Tsvetana Licheva</u> , Marina Stefanova, Dilyana Nikolova, Yana Evstatieva, Valentin Savov <i>Characterisation of Six Isolated Bacterial Strains From Genus Bacillus Applicable in Organic Farming</i> |
| BTH28 | <u>Teodora Georgieva</u> , Dilyana Nikolova, Yana Evstatieva, Tsvetana Licheva, Valentin Savov <i>Growth characteristics of Pseudomonas putida strains and effect of Humic substances on cell density during batch cultivation</i> |
| BTH29 | Georgi Dobrev, <u>Hristina Strinska</u> , Borianna Zhekova, Valentina Dobreva, Naiden Delchev <i>Influence of the fermentation medium composition on lipase production by Rhizopus arrhizus</i> |
| BTH30 | <u>Orlin Gemishev</u> , Stanislav Zaprynov, Alexander Blagoev, Maya Markova, Valentin Savov <i>Effect of multiple short highly energetic X-ray pulses on the synthesis of endoglucanase by mutant strain of Trichoderma reesei - M7</i> |
| BTH31 | <u>Mariya Yordanova</u> , Svetla Ilieva, Bogdan Goranov, Yana Evstatieva, Kalina Milanova, Kaloyan Bozhanchev, Rositsa Denkova, Dilyana Nikolova <i>Optimization of nutrient medium composition by mathematical modeling for production of Rhizopus arrhizus KB-2 lipase</i> |
| BTH32 | <u>Yana Evstatieva</u> , Mariya Yordanova, Georgi Chernev, Svetla Ilieva, Elena Velichkova, Dilyana Nikolova <i>Sol-gel immobilization as a suitable technique for enhancement of alpha-amylase activity of Aspergillus oryzae PP</i> |
| BTH33 | <u>Dilyana Nikolova</u> , Irina Desova, Dimitar Dimitrov, Yana Evstatieva, Valentin Savov <i>Comparative functional characteristics of commercial and potential probiotics Lactobacillus strains</i> |
| BTH34 | <u>Elena Velichkova</u> , Mariya Yordanova, Yana Evstatieva, Dilyana Nikolova, <i>ADHERENCE OF ASPERGILLUS AWAMORI K-1 AND TRICHODERMA VIRIDE SL-45 CELLS ON LOOFA SPONGE FOR PRODUCTION OF HYDROLASES</i> |
| BTH35 | <u>Marina Badalova</u> , Yana Evstatieva, Tsvetana Licheva, Dilyana Nikolova, Valentin Savov <i>NATURAL AND MODIFIED ZEOLITES AS MATRICES FOR THE IMMOBILIZATION OF TRICHODERMA VIRIDE SL-45</i> |

| BIODIVERSITY | |
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| BD1 | <u>Mitova M.</u> , Iliev M., Groudeva V. <i>Microbial colonization of the rock paintings into the Magoura cave, Bulgaria, in respect to their preservation and conservation</i> |
| BD2 | <u>R. Ilieva.</u> M. Iliev, V. Groudeva <i>Optimisation of RFLP analysis for subtyping of natural isolates of Acidithiobacillus ferrooxidans</i> |
| BD3 | <u>Yoana Kizheva.</u> Petya Hristova, Nevena Bogatzevska, Penka Moncheva <i>DIFFERENTIATION AND IDENTIFICATION OF BACTERIAL SPOT-CAUSING XANTHOMONADS BASED ON 16S-23S ITS rDNA PCR-RFLP ANALYSIS</i> |
| BD4 | <u>Taca Vancheva.</u> Mariya Stoyanova, Martina Tatyozova, Nevena Bogatzevska, Penka Moncheva <i>SUB-SPECIES DIVERSITY OF BULGARIAN AND MACEDONIAN XANTHOMONAS EUVESICATORIA STRAINS FROM PEPPER PLANTS</i> |
| BD5 | <u>Marta Encheva.</u> Mariya Stoyanova, Hristina Avramova, Yanitsa Pavlova, Blagovesta Gocheva, Iskra Ivanova, Penka Moncheva <i>Antibacterial potential of Streptomyces Strains from Antarctic soils</i> |
| BD6 | <u>Zdravka Koleva.</u> Ivaylo Dedov, Joana Kizheva, Penka Moncheva, Petia Hristova <i>LACTIC ACID MICROFLORA OF THE GUT OF SNAIL CORNU ASPERSUM</i> |
| BD7 | <u>R. Angelov.</u> L. Slavov, B. Blagoev, M. Iliev <i>Neutrophilic iron-oxidizing bacteria Sphaerotilus-Leptothrix materials for application in nano and biotechnologies</i> |
| BD8 | <u>Iliana Ivanova.</u> Desislava Popova, Petya Kovacheva, Nelly Boshnakova <i>Effects of gamma-irradiation on microbial populations in biodeteriorated papers in librarian archives</i> |
| BD9 | <u>Anely Nedelcheva.</u> Nadezhda Kostova, Atanas Sidjimov <i>PYRROLIZIDINE ALKALOIDS IN TUSSILAGO FARFARA FROM BULGARIA</i> |
| BD10 | Yulian Marinov, <u>Anita Tosheva.</u> Kalina Pachedjieva <i>Current status of the rare species Lathyrus transsilvanicus in Bulgaria</i> |
| BD11 | <u>Nevin Safak</u> & Engin Özhatay <i>Comparative Anatomical Studies on Linum L. Sect. Dasylinum (Planchon) Juz. (Linaceae) from Turkey</i> |
| BD12 | <u>Teodora Ivanova.</u> Dessislava Dimitrova, Chavdar Gussev, Yulia Bosseva, Tatyana Stoeva <i>Ex situ conservation of Ruscus aculeatus – ruscogenins biosynthesis, genome size stability and propagation traits of tissue-cultured clone</i> |
| BD13 | <u>Dolja Pavlova.</u> Elka Georgieva <i>Spontaneous flora of the Rila Monastery (Bulgaria)</i> |
| BD14 | <u>Albena Lapeva-Gjonova</u> <i>Endoparasitic fungus Myrmecinosporidium durum Hölldobler, 1933 in a new ant host from Macedonia</i> |
| BD15 | <u>Ilija Gjonov.</u> Maria Shishiniova <i>Alien Auchenorrhyncha (Insecta, Homoptera: Fulgoromorpha and Cicadomorpha) in Bulgaria</i> |
| BD16 | <u>Iliyan ILIEV.</u> Zhenya ILIEVA <i>Nematode Communities in Beech Forests in “Strandzha” Natural Park</i> |
| BD17 | <u>Ognyan Sivilov.</u> Maria Shishiniova <i>Faunistical records on Tenebrionidae (Coleoptera) from Bulgaria</i> |
| BD18 | <u>Miroslav L. Slavchev.</u> Nikolay D. Tzankov, Georgi S. Popgeorgiev <i>Impact of fires on the spatial distribution patterns of the Hermann’s Tortoise (Testudo hermanni)</i> |
| BD19 | <u>Atanas Grozdanov.</u> Nikolay Tzankov <i>Analysis and comparison of sexual size dimorphism in two lacertid species in Bulgaria</i> |
| BD20 | <u>Heliana Dunderova</u> and Krastio Dimitrov <i>Bat diversity at Forgovskata dupka cave and Lednitzata cave in Western Rhodops</i> |
| BD21 | Veneta Angelova, Magdalena Pirinska-Apostolu, <u>Denka Mihalkova.</u> Elena Apostolu <i>Dermatoglyphic characteristics of schizophrenic patients from Vratza municipality</i> |

| ECOLOGY, ENVIRONMENT AND SUSTAINABLE DEVELOPMENT | |
|---|---|
| ECO1 | Yunus Dogan , Mehmet C. Unver, Ilker Ugulu, Mesude Calis, Nazmi Durkan <i>The determination and comparison of trace element accumulation level of Juglans regia bark and leaf samples in Artvin</i> |
| ECO2 | Ilker Ugulu <i>A quantitative investigation on recycling attitudes of gifted/talented students</i> |
| ECO3 | P.Michailova, J.Ilkova, E. Karadurmus , M.Duran, Adile Sari <i>TRACE METALS IN SOME BULGARIAN AND TURKISH RIVERS AND THEIR EFFECT ON THE GENOME AND ENZYME CHARACTERISTICS OF CHIRONOMUS RIPARIUS MG. (DIPTERA, CHIRONOMIDAE)</i> |
| ECO4 | Marieta Stanachkova , Dimitar Kozuharov, Diana Zlatanova, Teodora Trichkova <i>Dynamics of Dreissena spp. veliger larvae in some of the Bulgarian Reservoirs</i> |
| ECO5 | Mihallaq Qirjo , Enkelejda Velo, Valbona Aliko <i>Bioecological study on the outburst of millipedes populations (Diplopoda, Myriapoda) around the water pumping station of Konjat (Lushnje/Albania)</i> |
| ECO6 | Dorina Grazhdan <i>An Approach for Assessing Ecosystem Services with Application in a Protected Area. Case Study: AL-Prespa</i> |
| ECO7 | Erjona Alla & Mihallaq Qirjo <i>Environmental Education as Extra-Curricular subject through the implementation of Green Package in textbooks of primary and secondary schools in Albania</i> |
| ECO8 | Sonya Damyanova , Iliana A.Ivanova, Nadka Ignatova <i>HEAVY METAL RISK ASSESSMENT OF AQUATIC ECOSYSTEMS USING DIFFERENT ECOLOGICAL CRITERIA</i> |
| ECO9 | I. Yotinov , S. Lincheva, Y. Topalova <i>Vertical fluctuations of key parameters of the self-purification in the “Middle Iskar” cascade’s reservoirs Tserovo, Lakatnik and Svrazhen</i> |
| ECO10 | S. Lincheva , Y. Todorova, Y. Topalova <i>Long-term assessment of the self-purification potential of technologically influenced ecosystem: the Middle Iskar cascade</i> |
| ECO11 | Nadezhda Georgieva , Mariyana Lyubenova <i>Assesment of the ecological status of xerothermic oak ecosystems in SCI “Zapadna Stara planina i Predbalkan</i> |
| ECO12 | Vanya Koleva, Asya Dragoeva, Jeny Nanova, Pavlina Jordanova, Nesho Chipev, Veneta Kapchina-Toteva, Georgi Dashev , Irina Yotova <i>Is there a tendency for rising use of herbs in pharmaceutical form – a survey in Bulgaria from an ethnobotanical viewpoint</i> |
| ECO13 | Mirjana STOJANOVIĆ, Ralitsa TSEKOVA and Tanja MILUTINOVIĆ <i>Distribution of Lumbricus friendi Cognetti 1904 (Oligochaeta, Lumbricidae) at the European scale: first findings in the Serbia</i> |
| ECO14 | Daniela Simeonovska-Nikolova , Michaela Beltcheva, Alina Larion, Victoria Nistreanu, Roumiana Metcheva <i>Variations in the mound size of mound-building mouse, Mus spicilegus between Bulgaria and Moldova</i> |
| ECO15 | Simeon Lukanov , Daniela Simeonovska-Nikolova, Nikolay Tzankov <i>Behavioural response of the marsh frog Pelophylax ridibundus to anthropogenic noise</i> |
| ECO16 | Emilian STOYNOV , Atanas GROZDANOV, Stamen STANCHEV, Hristo PESHEV, Nadia VANGELOVA, Danielo PESHEV <i>How to avoid depredation on livestock by wolf – theories and tests</i> |
| ECO17 | Avgyun Faik , Milena Gerganova, Maya Velitchkova <i>Changes in energy distribution and photochemical activity of Photosystem I and Photosystem II of tomato plants grown under different light intensities</i> |
| ECO18 | Konstantin Dobrev , Daniela Stanoeva, Antoaneta V. Popova <i>EFFECT OF LOW GROWTH TEMPERATURE ON PHOTOSYNTHETIC PARAMETERS OF TOMATO PLANTS in vivo</i> |
| ECO19 | Stella Dimitrova, Kolvo Dankov , Vasilij Goltsev <i>Comparative study of the photosynthetic activity in six different fern species</i> |

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| ECO20 | Milena Gerganova , Dimitar Vasilev, Aygyun Faik, Maya Velitchkova <i>Effect of low growth temperature on oxygen evolution reactions in tomato and Arabidopsis thaliana plants</i> | |
| ECO21 | Elena V. Todorova , Georgi E. Chernev, Isabel M. Miranda Salvado <i>Structure and properties of innovative silica hybrid materials for application in ecology</i> | |
| ECO22 | Antoniv Stoev <i>SYSTEMATIZATION OF CHLOROTIC MANIFESTATIONS ON POME AND DRUPACEOUS FRUIT PLANT SPECIES, GROWN IN BULGARIA</i> | |
| FRIDAY, NOVEMBER 22ND 2013 | | |
| Time | FEBS WORKSHOP ON “MOLECULAR LIFE SCIENCES EDUCATION” | Auditorium |
| | Hosted by: Prof. Mariela Odjakova; Prof. Diana Petkova | |
| 09:00-09:45 | Registration | Foyer |
| 09:45-10:00 | Opening of Workshop PROF. DIANA PETKOVA, <i>Union of Scientists in Bulgaria</i> | 239 |
| 10:00-10:30 | PROF.GUL GUNER-AKDOGAN, <i>Dokuz Eylul University (Turkey)</i> “Innovation in PhD Training-European Perspectives” | 239 |
| 10:30-11:15 | PROF. MATHIAS SPRINZL, <i>Chairman of WOGCEE, FEBS</i> “How to Read and Write a Scientific Article” | 239 |
| 11.15-11.30 | PROF. MATHIAS SPRINZL Discussion | 239 |
| 11.30 – 11.45 COFFEE BREAK | | |
| 11.45-12.15 | PROF. GUL GUNER-AKDOGAN “How to Write a Project Proposal” | 239 |
| 12:15-12.30 | PROF.GUL GUNER-AKDOGAN Discussion | 239 |
| 12.30-13:00 | PROF. KEITH ELLIOTT, <i>Education Committe, FEBS</i> “How to Write a CV: How to Make the best of yourself?” | 239 |
| 13.00 – 13.45 LUNCH BREAK | | |
| 13:45-14:15 | PROF. GANKA KOSSEKOVA, <i>Medical University Sofia</i> “Molecular Life Sciences Education in Bulgaria-2008 FEBS Education Workshop and Beyond | 239 |
| 14:15-14:30 | PROF.GANKA KOSSEKOVA Discussion-Problems and Solutions | 239 |
| 14:30-15:00 | PROF.KEITH ELLIOTT “Skills and Key Knowledge Expected from a Molecular Life Sciences Graduate-FEBS Education Comm. Project” | 239 |
| 15.00 – 15.15 COFFEE BREAK INTO GROUPS | | |
| 15:15-16:15 | WORK IN GROUPS: “SKILLS AND KEY KNOWLEDGE FOR MOLECULAR LIFE SCIENCES GRADUATE” | 239 |
| GROUP FACILITATORS: PROF. DIANA PETKOVA, PROF.GANKA KOSSEKOVA, PROF.KEITH ELLIOTT, PROF.GUL GUNER-AKDOGAN, PROF. GENOVEVA NACHEVA | | |
| 16:15-17:00 | REPORTS FROM GROUPS | 239 |
| 17:00-17:30 | CONCLUSIONS AND CLOSE | 239 |
| 17.30 – 18.00 | Closing Ceremony and “Best Poster” awards | 239 |
| 19.00 | FAREWELL PARTY | |