

PROGRAMME
of
V NATIONAL PHARMACEUTICAL CONGRESS
WITH INTERNATIONAL PARTICIPATION

HOTEL "HISSAR", HYSARYA – BULGARIA

1 APRIL 2011

14.00-17.00	Arriving and accommodation at the hotel. Registration
17.00-18.00	OFFICIAL OPENING CEREMONY
17.00-17.15	OFFICIAL SPEECH of the RECTOR of MEDICAL UNIVERSITY – SOFIA Prof. VANYO MITEV , MD, PhD, DSc
17.15-17.30	OFFICIAL SPEECH of the general sponsor SOPHARMA
17.30-17.40	WELCOMING FROM THE BULGARIAN PHARMACEUTICAL UNION
17.40-18.00	OTHER OFFICIAL WELCOMINGS

18.00-19.30 FIRST PLENARY SESSION

***Moderators:** Prof. Guenka Petrova, DSc
Assoc. Prof. Nikolay Lambov, PhD*

***Secretary:** Assis. Prof. Manoela Manova, PhD*

18.00-18.30	Prof. RÜDIGER GRÖNING – SULFUR NANOPARTICLES FOR NEW DRUG THERAPIES
18.30-19.00	Prof. LUCANO SASO – PLACEMENT OF YOUNG GRADUATES IN PHARMACY IN THE EUROPEAN PHARMACEUTICAL, CHEMICAL AND BIOTECHNOLOGICAL RESEARCH CENTRES
19.00-19.30	Prof. LOUIS - MARIE HOUEBINIE – THE PRODUCTION OF RECOMBINANT PHARMACEUTICAL PROTEINS BY GENETICALLY ENGINEERED ORGANISMS
20.00	OFFICIAL DINNER

2 APRIL 2011

9.00 – 10.30 **SECOND PLENARY SESSION**

***Moderators:** Prof. Stefan Nikolov, DSc
Assoc. Prof. Alexander Zlatkov, PhD*

***Secretary:** Assis. Prof. Dimitrina Geleva, PhD*

9.00–9.30 Prof. Dr. **JÖERG BREITKREUTZ** – DEVELOPMENT OF PAEDIATRIC DRUG FORMULATIONS

9.30-10.00 Prof. **JAIME ESPIN** – ECONOMIC EVALUATION OF MEDICINES AND HEALTH TECHNOLOGIES AS AN INSTRUMENT FOR DECISION MAKERS

10.00-10.30 Prof. **KRISTINA JENETT-SIEMS** – NEUROPROTECTIVE PROPERTIES OF CYNOMORIUM SONGARICUM EXTRACTS IN SK-N-SH CELLS

10.30-11.00 **COFFEE BREAK**

11.00 – 12.30 **THIRD PLENARY SESSION**

***Moderators:** Prof. Irini Doychinova, DSc
Assoc. Prof. Iliana Krasteva, PhD*

***Secretary:** Assis. Prof. Vaniya Maslarska, PhD*

11.00 – 11.30 Prof. **MASSIMO VALOTI** – UPTAKE AND TOXICITY OF NANOPARTICLES

11.30 – 12.00 Prof. **NADA KOVAČEVIĆ**, Tatjana Kundaković, Milica Drobac – INVESTIGATION ON WILD GROWING PLANTS: MORPHOLOGICAL, CHEMICAL AND PHARMACOLOGICAL CHARACTERISATION

12.30 – 13.00 Prof. **TOMÁŠ KRAUS** – CYCLODEXTRIN DUPLEXES REVERSIBLY CONNECTED WITH DISULFIDE BONDS: SYNTHESIS AND PHYSICO-CHEMICAL PROPERTIES

12.30 - 13.30 **LUNCH BREAK**

SCIENTIFIC SECTIONS

13.30 – 15.30 **ORAL PRESENTATIONS** **HALL 1**

13.30 – 15.30 **CHEMICAL SCIENCES**

***Moderators:** Assoc. Prof. Danka Obreshkova, PhD
Assoc. Prof. Darvin Ivanov, PhD*

***Secretary:** Assis. Prof. Bojka Tzvetkova, PhD*

INCLUDE THE FOLLOWING SECTIONS:

1. SYNTHESIS AND CHARACTERIZATION OF BIOLOGICALLY ACTIVE COMPOUNDS

2. DETERMINATION OF DRUGS AND BIOLOGICALLY ACTIVE COMPOUNDS

18. SPORTS PHARMACY

- 13.30 - 13.45 **ILIA MANOLOV.** – SYNTHESIS, STRUCTURE INVESTIGATIONS AND PROPERTIES OF SOME 4-HYDROXYCOUMARIN DERIVATIVES
- 13.45 - 14.00 **JASMINA TENCHEVA.** – THE PLACE OF ANALYTICAL CHEMISTRY IN EDUCATION PROGRAMME OF PHARMACY IN THE FACULTY OF PHARMACY – SOFIA. TECHNIQUES FOR MEASURING DRUG CONCENTRATIONS
- 14.00 - 14.15 **DANKA OBRESHKOVA.** – QUALITY CONTROL AND SAFETY OF DRUGS, FOOD SUPPLEMENTS AND COSMETIC PRODUCTS
- 14:15 - 14.30 **IVANKA PENCHEVA.** – OPTIMIZATION SOLUTIONS FOR VALIDATION PROCEDURES IN HPLC ANALYSIS OF DRUGS
- 14:30 - 14:45 **IRENA KOSTOVA,** Natasha Trendafilova, Tsvetanka Stefanova. – SYNTHESIS, THEORETICAL AND SPECTRAL CHARACTERIZATION OF NEW LANTHANIDE COMPLEXES WITH CYTOTOXIC ACTIVITY
- 14:45 - 15:00 **LYUBOV KOSTYSHYN,** Iryna Halkevych, Yuri Bidnychenko. – IDENTIFICATION AND QUANTITATIVE DETERMINATION OF CLOMIPRAMIN AND IMIPRAMIN BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY
- 15:00 - 15:15 **EVGENI IGOV.** – SYNTHESIS AND BIOSYNTHESIS OF MELATONIN
- 15:15 – 15:30** **DISCUSSION**

13.30 – 15.30 PHARMACOLOGY SCIENCES

Moderators: Prof. Mitka Micheva, MD, PhD
 Assoc. Prof. Nikolay Danchev, MD, PhD
Secretary: Assis. Prof. George Momekov, PhD

INCLUDE THE FOLLOWING SECTIONS:

4. PHARMACOLOGY OF BIOLOGICALLY ACTIVE SUBSTANCES AND MEDICINES

5. TOXICOLOGY OF BIOLOGICALLY ACTIVE SUBSTANCES AND MEDICINES

6. PHARMACOGENETICS AND PHARMACOGENOMICS

10. HOMEOPATHY

13.30 – 13.45 **MITKA MICHEVA**, M. Kondeva-Burdina, V. Vitcheva, R. Simeonova-Vitanska, K. Drenovska. – THE ROLE OF EXPERIMENTAL TOXICOLOGY IN SAFETY EVALUATION

13.45 – 14.00 **NIKOLAY DANCHEV**, Irina Nikolova. – PHARMACOLOGICAL TREATMENT OF COGNITIVE IMPAIRMENTS IN ALZHEIMER'S DISEASE

14.00 – 14.15 **LUDMIL PEICHEV**. HOMEOPATHY AND EPIPHYSITIS OF CHILDREN

14.15 – 14.30 **MAGDALENA KONDEVA-BURINA**, Mercedes Unzeta, Stefan Nikolov, Ilina Krasteva, Mitka Mitcheva. – PROTECTIVE EFFECT OF DIOSGENIN, ISOLATED FROM ASPARAGUS OFFICINALIS, AGAINST FREE RADICAL DAMAGE OF RAT BRAIN SYNAPTOSOMES

14.30 – 15.30 **DISCUSSION**

13.30 – 15.30 PHARMACEUTICAL TECHNOLOGY SCIENCES

Moderators: Assoc. Prof. Dimitar Rachev, PhD
 Assoc. Prof. Stefka Titeva, PhD
Secretary: Assis. Prof. Milen Dimitrov

INCLUDE THE FOLLOWING SECTIONS:

7. DRUG DELIVERY SYSTEMS

9. BIOTECHNOLOGY

13.30 – 13.45 **I. Denev, R. SHEKERDZHIYSKI**, P. Nenkov, B. Petrunov. – DEVELOPMENT OF A POLYBACTERIAL IMMUNOSTIMULATOR (SUCTION TABLETS) AND FIRST CLINICAL RESULTS

- 13.45 – 14.00 **DIMITAR RACHEV.** – SOME TECHNOLOGICAL APPROACHES FOR ORAL DRUG DELIVERY SYSTEMS
- 14.00 – 14.15 **KRASIMIRA YONCHEVA,** J. M. Irache. – EVALUATION OF THE ATTACHMENT DEGREE OF POLYETHYLENE GLYCOLS TO POLY (ANHYDRIDE) NANOPARTICLES
- 14.15 – 14.30 **VIKTORIA MIHAILOVA,** I. Berlinova, P. Iliev, L. Ivanov, S. Titeva, G. Momekov, I. Dimitrov. – NANOPARTICLES FORMED FROM PNIPAM-g-PEO COPOLYMERS IN THE PRESENCE OF INDOMETHACIN
- 14.30 – 14.45 **MILEN DIMITROV.** – UTILIZATION OF STATISTICAL METHODS IN FORMULATION OF MODIFIED DRUG RELEASE SYSTEMS WITH CYTISINE
- 14.45 – 15.00 **VELICHKA ANDONOVA,** George Georgiev, Vencislava Toncheva, Margarita Kassarova. – POLY(VINYL ACETATE) AND POLYSTYRENE DRUG DELIVERY SYSTEMS FOR INDOMETHACIN
- 15.00 – 15.15 **GERT STORM.** – EC-SPONSORED DEVELOPMENT OF TARGETED NANOMEDICINES
- 15.15 – 15.30 DISCUSSION**

15.30 – 18.00

ORAL PRESENTATIONS

HALL 1

15.30 – 18.00

PRACTICAL PHARMACEUTICAL SCIENCES

Moderators: *Assoc. Prof. Ilko Getov, PhD*

Assoc. Prof. Valentina Petkova, PhD

Secretary: *Assis. Prof. Assena Stoimenova, PhD*

INCLUDE THE FOLLOWING SECTIONS:

12. PHARMACEUTICAL LEGISLATION

13. PHARMACEUTICAL MARKETING AND MANAGEMENT. PHARMACOECONOMICS

14. SOCIAL PHARMACY

15. CLINICAL AND HOSPITAL PHARMACY

16. PHARMACOEPIDEMOLOGY

17. PHARMACEUTICAL CARE

15.30 – 15.45

GUENKA PETROVA. – THE NEW SOCIAL PHARMACY RESEARCH AREAS

15.45 – 16.00

Anna Ivanova, Guenka Petrova, **MARCIN CZECK**, Vasil Vulov Alexandra Savova. – LIRAGLUTIDE vs EXENATIDE IN COMBINATION WITH METFORMIN AND/OR SULFONYLUREA THERAPY IN TYPE 2 DIABETES MELLITUS THERAPY IN BULGARIA. A MODELLING STUDY.

16.00 – 16.15

DRAGANA LAKIC, Guenka Petrova, Nataša Bogavac-Stanojević, Zorana Jelić-Ivanović. – IMPACT OF DISCOUNTING IN PHARMACOECONOMIC MODELING. A CASE STUDY

16.15 – 16.30

TATYANA BENISHEVA-DIMITROVA, Dobriana Sidjimova, Petya Trendafilova. – LEGAL FRAMEWORK OF MEDICINAL PRODUCT ADVERTISING UP TO 2010

16.30 – 16.45

ILKO GETOV. – MEDICINES PROMOTION AND ADVERTISING – WHAT TO DISCOVER BEHIND THE SLOGANS?

16.45 – 17.00

VALENTINA PETKOVA, Anna Todorova. – ETHICAL CODE OF THE BULGARIAN PHARMACEUTICAL UNION

17.00 – 17.15

MARIA POPOVA. – HISTORICAL OVERVIEW AND GAINED EXPERIENCE IN THE FIELD OF PHARMACOVIGILANCE IN BULGARIA (1970-2010)

17.15 – 17.30

SAAD ALUANI, Mpharm, Iliyan Moskov (MA in history), Marin Zgurev (MPh). – THE LEKARNA'S HISTORY OR THE FIRST BULGARIAN PHARMACY

17.30 – 18.00

DISCUSSION

15.30 – 18.00 PHARMACOGNOSY AND PHYTOCHEMISTRY

*Moderators: Prof. Iliana Ionkova, DSc
Assoc. Prof. Iliana Krasteva, PhD
Secretary: Assis. Prof. Niko Benbassat, PhD*

INCLUDE THE FOLLOWING SECTIONS:**8. MEDICINAL PLANTS****9. BIOTECHNOLOGY****11. COMPLEMENTARY AND ALTERNATIVE MEDICINE, ETNOPHARMACY**

- 15.30 – 16.45 **STEFAN NIKOLOV**, Iliana Ionkova, Iliana Krasteva. – BULGARIAN FLORA AS A SOURCE OF NEW BIOLOGICALLY ACTIVE NATURAL STRUCTURES WITH ANTICANCER ACTIVITY
- 15.45 – 16.00 **GERASSIM KITANOV**, Paraskev Nedialkov, Dimitrina Zheleva-Dimitrova. – BENZOPHENONE O-GLYCOSIDES FROM HYPERICUM SPECIES – STRUCTURAL DIVERSITY, DISTRIBUTION, BIOGENETIC IMPORTANCE AND PHARMACOLOGICAL ACTIVITY
- 16.00 – 16.15 **EKATERINA KOGUHAROVA**, Pencho Mihnev, Pier-Luigi Nimis. – THE KEY-TO-NATURE PROJECT – INTERACTIVE E-TOOLS FOR LEARNING AND IDENTIFICATION OF MEDICINAL PLANTS
- 16.15 – 16.30 **YORDANKA UZUNOVA**, **Georgi Valchev**, Plamen Zagorchev. SPECTROPHOTOMETRIC DETERMINATION OF ROSEMARY OIL CONCENTRATION AFFECTING SPONTANEOUS CONTRACTILE ACTIVITY OF THE SMOOTH-MUSCLE PREPARATIONS
- 16.30 – 16.45 **ZLATINA KOKANOVA-NEDIALKOVA**, PhD student, Paraskev Nedialkov, Stefan Nikolov, Daniel Bücherl, Jörg Heilmann. – FLAVONOL GLYCOSIDES FROM CHENOPODIUM FOLIOSUM ASCHERS
- 16.45 – 17.00 **ANDREY MARCHEV**, Vasil Georgiev, Christiane Haas, Jost Weber, Milena Nikolova, Ivan Ivanov, Thomas Bley, Atanas Pavlov. – PHYTOCHEMICAL AND FLOW CYTOMETRICAL INVESTIGATIONS OF SALVIA RINGENS GROWN IN BULGARIA
- 17.00 – 17.15 **VASIL GEORGIEV**, Andrey Marchev, Ivan Ivanov, Milena Nikolova, Atanas Pavlov. – BIOLOGICAL ACTIVITIES OF EXTRACTS FROM BULGARIAN RARE AND ENDANGERED SALVIA SCABIOSIFOLIA LAM. PLANT
- 17.15 – 17.30 **LUBOMIR PIROVSKI**, Nikola Pirovski. – FUNCTIONAL PLANT, ENERGIZING, ANTI-DEPRESSIVE AND EUPHORIC SPARKLING BEVERAGES
- 17.30 – 18.00 **DISCUSSION**

15.30 – 18.00 **INCLUDE THE FOLLOWING SECTIONS**

CHEMOMETRICS AND DRUG DESIGN

Moderators: Prof. Irini Doychinova, DCSc

Assoc. Prof. Tsvetanka Zhivkova, PhD

Secretary: Assis. Prof. Mariyana Atanasova, ChD

15.30 – 15.50 **ILZA PAJEVA.** – IN SILICO STUDY OF PROTEIN CONTACTS AND
LIGAND BINDING IN THE HUMAN
P-GLYCOPROTEIN HOMOLOGY MODEL

15.50 – 16.10 **IVAN BANGOV,** Marina Moskovkina. – USE OF THE CHARGE
RELATED MOLECULAR INDEX (CMI) FOR THE SOLUTION OF
THE STRUCTURE ISOMORPHISM PROBLEM AND AS A
MOLECULAR STRUCTURE DESCRIPTOR

16.10 – 16.30 **SONJA ILIEVA,** Boris Galabov. – ELECTROSTATIC POTENTIAL AT
NUCLEI - A NEW PROPERTY DESCRIPTOR

16.30 – 16.50 **IVANKA TZAKOVSKA,** Andrew Worth. – APPLICATION OF (Q)SAR
APPROACHES TO SUPPORT THE ASSESSMENT OF CHEMICALS

16.50 – 17.10 **PAUSE**

17.10 – 17.30 **TANJA PENCHEVA.** – AMMOS SOFTWARE PLATFORM FOR VIRTUAL
LIGAND SCREENING

17.30 – 17.50 **PETKO ALOV,** Ivanka Tsakovska, Ilza Pajeva. – HYBRID
CLASSIFICATION/REGRESSION QSPR MODELS OF
POLYPHENOL ANTIRADICAL ACTIVITIES

17.50 - 18.10 **IVAN DIMITROV,** Irini Doytchinova. – IN SILICO PREDICTION OF
ALLERGENS

18.10 – 18.30 **IRINI DOYCHINOVA,** Ivan Dimitrov, Mariyana Atanasova, Atanas
Patronov, Panayot Garnev. – COMPUTER – AIDED VACCINE
DESIGN

PRACTICAL PHARMACEUTICAL SCIENCES

1. **ALEXANDRA SAVOVA**, Anna Kurchatova, Mira Kojouharova, Guenka Petrova. – COST-BENEFIT ANALYSIS OF THE PHARMACOTHERAPY 20 YEARS AFTER THE INTRODUCTION OF THE UNIVERSAL INFANT VACCINATION AGAINST HBV INFECTION
2. **ARTEM HORILYK**, Bohdan Hromovyk. – INVESTIGATION OF PHARMACEUTICAL SPECIALISTS OPINION CONFORMABLY TO STRATEGY OF TEACHING PHARMACEUTICAL DISCIPLINES OF ORGANIZATIONAL AND ECONOMIC DIRECTION
3. **ASSENA STOIMENOVA**, Manoela Manova, Guenka Petrova. – MOST FREQUENT NON-CONFORMITIES IN PHARMACEUTICAL WHOLESALERS IN BULGARIA
4. **BISTRA ANGELOVSKA**, Verica Ivanovska. ANALYSIS OF THE FINANCIAL AFFORDABILITY OF MEDICINES IN THE REPUBLIC OF MACEDONIA IN 2010 COMPARED TO 2005
5. **BOGDAN KIRILOV**, Evgeni Grigorov, Ilko Getov. – FEASIBILITY STUDY ON THE USE OF ANTIOXIDANT VITAMINS ON THE BULGARIAN MARKET.
6. **D. K. MANOLOV**, I. N. Getov. E-MARKETING - IMPACT AND IMPLICATIONS OF INTERNET ON THE PHARMACEUTICAL INDUSTRY
7. Dragana Jovic, **DUSANKA KRAJNOVIC**. – EXPOSURE TO STRESS PHARMACISTS IN PUBLIC PHARMACIES AND BURNOUT SYNDROME
8. **EMIL MILEV**. – PHYTOTHERAPY FOR MASTER OF PHARMACY STUDENTS IN THE MEDICAL UNIVERSITY – VARNA
9. **HRESTINA LEBANOVA**, Evgeni Grigorov, Ilko Getov. – MATERIOVIGILANCE – BASIC CONCEPTS AND LEGISLATIVE FRAMEWORK
10. **HRESTINA VOYCHEVA**, Branimira Peneva. – MOTIVES AND MOTIVATION IN THE GUIDED SELECTION OF MEDICAL PRACTICE
11. **IVAN GITEV**, **EVGENI GRIGOROV**, Emilia Naseva, Ilko Getov. STUDY OF PATIENTS' WILLINGNESS TO PAY FOR A DRUG THERAPY OF ISCHEMIC HEART DISEASE IN PHARMACIES
12. **IVAYLO IVANOV**, Tatyana Benisheva-Dimitrova. – REGULATORY ANALYSIS OF THE VARIATION PROCEDURES BASED ON COMMISSION REGULATION (EC) 1234/2008 AND THE CURRENT LEGISLATION IN BULGARIA
13. **KALINA ANDREEVSKA**, Zlatka Dimitrova, Valentina Petkova, Ognjan Palaveev, Stanislav Gueorguiev. – ANALYSIS OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE COSTS IN BULGARIA
14. **KALINA ANDREEVSKA**, Zlatka Dimitrova, Valentina Petkova, Ognjan Palaveev, Stanislav Gueorguiev. – ANALYSIS OF NONSTEROIDAL ANTI-INFLAMMATORY PAIN MEDICATIONS PHARMACEUTICAL MARKET

15. **KALINA ANDREEVSKA**, Zlatka.Dimitrova, Valentina Petkova, Ognjan Palaveev, Stanislav Gueorguiev. – ANALYSIS OF PARKINSON DISEASE PHARMACEUTICAL MARKET
16. **KONSTANIN MITOV**. DEVELOPMENT OF THE INTEGRATED INFORMATION SYSTEM “STUDENTS” FOR THE MEDICAL UNIVERSITIES IN BULGARIA
17. **MANOELA MANOVA**, Iliya Nikolov, Plamen Peikov, Guenka Petrova. – PATENT PROTECTION POLICY IN THE THERAPEUTIC GROUP OF STATINES
18. Maria Dimitrova, Guenka Petrova, **MONA STEFANOVA**. – BUDGET IMPACT ANALYSIS OF NEW ANTIRETROVIRAL MEDICINES FOR TREATMENT OF HIV PATIENTS IN BULGARIA
19. **MARIA GANEVA**, Tanya Gancheva, Ivan Baldaranov, Jeni Troeva, Evgenia Hristakieva. – ADVERSE DRUG INTERACTIONS IN HOSPITALIZED PATIENTS (PHARMACOEPIDEMOLOGICAL STUDY IN A DERMATOLOGY DEPARTMENT)
20. **MARIETA GEORGIEVA**, Dimitar Stavrev, Todorka Stoyanova. CONTRIBUTIONS OF BORIS ABRAMOVICH OKS FOR PROMOTION OF PHARMACEUTICAL PRODUCTS IN BULGARIA
21. **MARIETA GEORGIEVA**, Stela Dragomanova, Dimitar Dimitrov. – JAMES W. BLACK (1924-2010) – DISCOVERER OF BETA-BLOCKERS AND CIMETIDINE
22. **NATALIIA KHANYK**, Lyudmyla Borushevska. ASSESSMENT OF THE DIRECT COSTS OF RHEUMATOID ARTHRITIS RELATED PHARMACOTHERAPY IN UKRAINE
23. **NATAŠA BOGAVAC-STANOJEVIĆ**, Dragana Lakić, Guenka Petrova, Violeta Dopsaj, Zorana Jelić-Ivanović. – ECONOMIC EVALUATION OF DIFFERENT DIAGNOSTIC STRATEGIES IN PATIENTS WITH CLINICALLY SUSPECTED ACUTE DEEP VEIN THROMBOSIS
24. O. Zaliska, **JU. MAYNYCH**. – PHARMACOECONOMIC ANALYSIS OF EXTEMPORANEOUS PREPARATIONS FOR CHILDREN IN UKRAINE
25. **SVETLA GEORGIEVA**, Assena Stoimenova, Guenka Petrova. – GENERIC AZATHIOPRINE AND GENERIC MYCOPHENOLIC ACID’S DERIVATES FOR KIDNEY TRANSPLANT PATIENTS – ANALYSIS OF COST SAVINGS
26. **STANISLAVA YORDANOVA**, Valentina Petkova, Velislava Valchanova, Kalina Andreevska, Stanislav Gueorguiev. – PHARMACEUTICAL CARE – ITS INFLUENCE ON THE PROPER DRUG USE FOR DIABETICS
27. **SVETOSLAV STOEV**, Evgeni Grigorov, Velina Georgieva. – STUDY OF THE CURRENT STATUS OF MEDICINES PREPARATION IN A PHARMACY IN BULGARIA
28. **VASIL MADZHAROV**, Stanislav Gueorguiev, Ognjan Palaveev, Zlatka Dimitrova. – ANALYSIS AND ASSESSMENT OF THE LEGISLATIVE FRAMEWORK FOR THE DISTRIBUTION OF MEDICINAL PRODUCTS IN BULGARIA DURING THE PERIOD 1990 TO 2010
29. **V. TOLUBAIEV**, O. Zaliska. – ANALYSIS OF BRONCHODILATOR PRESCRIPTIONS FOR COPD TREATMENT IN UKRAINE
30. **VALENTINA PETKOVA**, Donka Klimova, Stanislava Yordanova, Velislava Valchanova, Kalina Andreevska. – ANALYSIS OF THE ADVERSE DRUG REACTIONS OF SOME CORTICOSTEROIDS

31. **VELISLAVA VALCHANOVA**, Valentina Petkova, Stanislava Yordanova, Kalina Andreevska. – ANALYSIS OF THE BULGARIAN PHARMACEUTICAL EDUCATION IMPLEMENTING THE BOLOGNA PROCESS
 32. **VESELINA STOYNOVA**, Ilko Getov. – ROLE OF THE PHARMACISTS IN REPORTING OF ADVERSE DRUG REACTIONS
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PHARMACOGNOSY AND PHYTOCHEMISTRY

1. A. Nedelcheva, D. Pavlova, **I. KRASTEVA**, S. Nikolov. – MICROMORPHOLOGICAL AND HISTOCHEMICAL INVESTIGATION OF THE LEAF OF THE MEDICINAL PLANT TEUCRIUM CHAMAEDRYS
2. Antonina Vitkova, **MALINA DELCHEVA**, Ana Gavrilova, Dimitar Dimitrov, Aleksandar Tashev. – DISTRIBUTION OF SPECIES OF GENUS ALCHEMILLA L. IN BULGARIA AND RESOURCE ASSESSMENT
3. **DIMITRINA ZHELEVA-DIMITROVA**, Paraskev Nedialkov, Gerassim Kitanov. – ANTIOXIDANTS FROM HYPERICUM SPECIES
4. **DARINKA GJORGIEVA**, Tatjana Kadifkova-Panovska, Tatjana Ruskovska, Katerina Bačeva, Trajče Stafilov. – METAL ACCUMULATION AND ANTIOXIDATIVE STATUS IN SELECTED MEDICINAL PLANTS
5. Ekaterina Kozurahova, **NIKO BENBASSAT**, A. J. Richards. – SCREENING CHROMATOGRAPHIC INVESTIGATIONS OF SOME *OXYTROPIS* (FABACEAE) FROM PIRIN MTS. BULGARIA
6. **IVAN IVANOV**, Vasil Georgiev, Strahil Berkov, Atanas Pavlov. – BIOTECHNOLOGICAL PRODUCTION OF GALANTHAMINE BY *LEUCOJUM AESTIVUM* L. SHOOT CULTURE IN MODIFIED BUBBLE COLUMN BIOREACTOR
7. **KATERINA BOGACHEVA**, Ekaterina Kozuharova. – RESEARCH ON FLOWERING AND DISTRIBUTION OF TERTIARY RELICT AND MEDICINAL PLANT *HABERLEA RHODOPENSIS*
8. Marianna Murdjeva, Irina Stanimirova, Petya Gardjeva, Margarita Kassarova, **DIMITAR PENKOV**, Marian Draganov, Emilia Milieva. – IN VITRO STUDY ON ANTIMICROBIAL ACTIVITY OF STANDARDIZED EXTRACT OF *FOLIA BETUALE*
9. Maya Yotova, **ILINA KRASTEVA**, Iлина Dineva, Petranka Zdraveva, Stefan Nikolov, Spiro Konstantinov. – BIOASSAY GUIDED ISOLATION OF SECONDARY METABOLITES FROM *GYPSOPHILA TRICHOTOMA WEND.*
10. Maya Yotova, Iлина Krasteva, Kristina Jenett-Siems, **PETRANKA ZDRAVEVA**, Stefan Nikolov. SECONDARY METABOLITES IN *GYPSOPHILA TRICHOTOMA WEND*
11. **MILENA NIKOLOVA**, Mariya Petrova, Ely Zayova, Antonina Vitkova, Ljuba Evstatieva. – FLAVONOID CONTENT AND ANTIOXIDANT ACTIVITY OF IN VITRO AND IN VIVO GROWN *ARNICA MONTANA* PLANTS

12. **PARASKEV NEDIALKOV**, Georgi Momekov. SCREENING FOR CYTOTOXIC ACTIVITY OF SOME BULGARIAN HYPERICUM SPECIES.
13. **SILVIA TSANOVA-SAVOVA**. – DETERMINATION OF FLAVONOLS AND FLAVONES IN BULGARIAN PLANT FOODS FROM UMBILIFERAE FAMILY
14. Stela Dimitrova, **PETYA PENEVA**, Dimitar Penkov, Ludmil Lukanov, Emilia Milieva, Margarita Kassarova. – FOLIA BETULAE EXTRACTS - INFLUENCE OF TECHNOLOGICAL FACTORS ON THE ANTIMICROBIAL AND ANTISPASMODIC EFFECTS
15. Tatjana Ruskovska, **DARINKA GORGIEVA**, Marija Croroska and Valentina Kukovska. – TOTAL ANTIOXIDANTS LEVEL IN CAFFEINE-FREE HERBAL INFUSIONS SUITABLE FOR UNRESTRICTED EVERYDAY USE
16. Tsvetelina Mandova, **RENETA GEVRENOVA**, Olivier Joubert, Bertrand Rihn, Max Henry. – CYTOTOXICITY ASSESSMENT OF FOUR CARYOPHYLLACEOUS SPECIES ON MACROPHAGES
17. **VESSELA BALABANOVA**, Ekaterina Kozuharova. – ESTABLISHMENT OF AN EXPERIMENTAL PLOT OF GYPSOPHILA TRICHOTOMA WEND. UNDER URBAN CONDITIONS IN BULGARIA
18. **YULIYA LUTSENKO**, Olena Gavrylyuk, Igor Nehtegaev, Roman Darmohraj. INFLUENCE OF HEDERA LEAVES DRY EXTRACT ON THE LUNGS AND AIRWAYS
19. **ZHENYA YORDANOVA**, Milena Dimitrova, Donka Koleva, Veneta Kapchina-Toteva. – INFLUENCE OF BENZYLAMINOPURINE ON THE MICROPROPAGATION AND SECONDARY METABOLITES ACCUMULATION IN LAMIUM ALBUM L

CHEMOMETRICS AND DRUG DESIGN

1. **MARIYANA ATANASOVA**, Ivan Dimitrov, Irini Doytchinova. – T-CELL EPITOPE PREDICTION BY MOLECULAR DOCKING OF PROTEINS FROM BOOPHILUS MICROPLUS
2. **PANAYOT GARNEV**, Ivan Dimitrov, Irini Doytchinova. – PEPTIDE BINDING PREDICTION TO HLA-DRB3*0101 PROTEIN BY QSAR
3. **ZVETANKA ZHIVKOVA**, Irini Doytchinova. – QSPkR MODEL FOR PREDICTION OF APPARENT VOLUME OF DISTRIBUTION FOR ACIDIC DRUGS

Review board: Assoc. Prof. Mona Stefanova, PhD
Assoc. Prof. Iliana Krasteva, PhD

PHARMACOLOGY SCIENCES

1. Daniel Daragnov, Nikola Popov, Marianna Murdjeva, **MARGARITA KASSAROVA**, Emilia Milieva, Marian Draganov. – IN VITRO BIOLOGICAL ACTIVITY OF FOLIA BETULAE EXTRACT
2. **D. DELEV**, I. Kostadinov, I. Kostadinova. – TESTOSTERONE REPLACEMENT THERAPY DECREASES THE TOTAL CHOLESTEROL AND THE TRIGLYCERIDES IN AGED MALE WISTAR RATS.
3. **EMIL MILEV**. – PHYTOTHERAPY IN THE TREATMENT OF IMMUNE DEFFICIENCY
4. **IRINA NIKOLOVA**, Stefka Pankova, Maria Kostova. – PHARMACEUTICAL HOMEOPATHY – THE DIFFERENCE BETWEEN HOMOTOXICOLOGY, CLASSICAL AND SPAGYRIC HOMEOPATHY
5. **KALOYAN GEORGIEV**. – CURRENT TREATMENT OF LATERAL EPICONDYLITIS (TENNIS ELBOW)
6. **M. EFTIMOV**, S. Valcheva-Kuzmanova. – POPYPHENOLS AND THE CENTRAL NERVOUS SYSTEM – EFFECTS ON ANXIETY AND DEPRESSION
7. **MARIA GEORGIEVA**, Ivanka Kostadinova. – EXPERIMENTAL STUDY OF LEARNING AND MEMORY OF RATS AFTER 45-DAY TREATMENT WITH ATORVASTATIN AND ROSUVASTATIN
8. **MARIETA GEORGIEVA**, Dimitar Terziivanov, Kristina Bozhinova. – EFFECT OF BIOSTIM LBS AND CARBONTETRACHLORIDE ON CYP1A2 ACTIVITY IN RATS
9. **MARTA HOLEYKO**, Dariya Holeyko. – THE DENTAL OINTMENT WITH THIOTRIAZOLINI AND CHLORAMPHENICOL (LEVOMICETINI) FOR TREATMENT OF INFLAMMATORY DISEASES OF THE PERIODONTAL TISSUES
10. **MAYA M. ZAHARIEVA**, Andrey Kolev, **SPIRO M. KONSTANTINOV**, **MARTIN R. BERGER**. – ERUFOSINE INDUCES APOPTOSIS AND AUTOPHAGY AND INFLUENCES THE MTOR SIGNALING PATHWAY IN CML CELL LINES
11. **MIHAELA SHISHMANOVA**, Lyudmil Peychev. A REVIEW OF NEUROPROTECTION
12. Nadka Bojadjieva, **PAVLINA GATEVA**. – EFFECT OF KAINIC ACID ON TNF-alpha IN MALE RATS.

13. **OKSANA FEDUSHCHAK**. – WAYS OF IMPROVEMENT OF PHARMACOTHERAPEUTIC ANALGEZIA IN THE EARLY POSTOPERATIVE PERIOD
14. **R. NIKOLOV**, D. Pechlivanova, J. Tchekalarova, K. Stanoeva, V. V. Petkov, K. Yakimova. – COMPERISSON BETWEEN THE EFFECTS OF CHRONIC ADMINISTRATION OF CAFFEINE AND DESIPRAMINE ON BODY TEMPERATURE OF RATS IN NORM AND STRESS
15. **RUMYANA SIMEONOVA**, Vessela Vitcheva, Mitka Mitcheva. – EFFECTS AFTER MULTIPLE ADMINISTRATION OF ALCOHOL ON SOME BIOCHEMICAL PARAMETERS IN LIVER AND BRAIN IN SPONTANEOUSLY HYPERTENSIVE RATS (SHR)
16. **S. VALCHEVA-KUZMANOVA**, M. Eftimov, K. Kuzmanov. – EFFECT OF ARONIA MELANOCARPA FRUIT JUICE ON ALCOHOL-INDUCED ANXIETY- AND DEPRESSIVE-LIKE BEHAVIOR IN RATS
17. **SPIRO M. KONSTANTINOV**, Deyan J. Iosifov, Iliana K. Dineva, Margarita L. Genova, Margarita Topashka-Ancheva, **MARTIN R. BERGER**. – BENDAMUSTINE: REBIRTH OF AN OLD DRUG FOR THE TREATMENT OF HEMATOLOGICAL MALIGNANCIES
18. **STOYAN DIRIMANOV**, Fabio Fusi, Virginia Tzankova, Henri Astroug, Youhoon Chong. – PHARMACOLOGICAL SCREENING OF DERIVATIVES OF QUERCETIN: EFFECTS ON THE CONTRACTILITY FUNCTION OF RAT AORTIC RINGS
19. **VASILKA ILIEVA**, Nina Koleva, Bojidarka Hadjieva. – A REVIEW OF CONTEMPORARY QUANTUM - PHYSICAL NOTIONS TO THE MECHANISM OF EFFICACY OF HOMEOPATHIC PREPARATIONS.

CHEMICAL SCIENCES

1. **ADRIANA BAKALOVA**, Rossen Buyukliev, Hristo Varbanov, Zvetelina Ivanova, Georgi Momekov, Darvin Ivanov. – DESIGN AND COMPARATIVE CYTOTOXIC INVESTIGATION OF SOME NEW PLATINUM COMPLEXES WITH 5-METHYL-5-(4-PYRIDYL)HYDANTOIN AND ITS DERIVATIVES
2. **ALEXANDER ZLATKOV**, Boika Tsvetkova, Lily Andonova, Plamen Peikov. – SYNTHESIS, STRUCTURAL ANALYSIS AND DRUG-LIKENESS ESTIMATION OF SOME IMIDAZOLE DERIVATIVES
3. **BILJANA GJORGJESKA**. – QUANTITATIVE DETERMINATION OF BACTERICIDAL ACTIVITY OF CHEMICAL DISINFECTANTS USING DISINFECTION ACTIVITY COEFFICIENT OF SOLUTION

4. **BORIANA NIKOLOVA-MLADENOVA**, Georgi Momekov, Darvin Ivanov. – SYNTHESIS AND PHYSICO-CHEMICAL Characterization OF NEW SALICYLALDEHYDE BENZOYL HYDRAZONE DERIVATE WITH HIGH CYTOTOXIC ACTIVITY
5. Branimir Zlatkov, **GEORGI DRAGANOV**, Alexander Zlatkov. – CREATINE SALTS IN ERGOGENIC SUPPLEMENTS FOR ATHLETES
6. **DMYTRO HAVRYLYUK**, Nataliya Kovach, Borys Zimenkovsky, Roman Lesyk. – SYNTHESIS AND ANTITUMOR ACTIVITY EVALUATION OF NOVEL 4-THIAZOLIDINONES WITH 3,5-DIARYL-4,5-DIHYDROPYRAZOLE MOIETIES
7. **DOBRINA TSVETKOVA**, Danka Obreshkova, Sava Ognjanov. – ANALYTICAL METHODS FOR DETERMINATION OF ANGIOTENSIN RECEPTOR BLOCKER LOSARTAN POTASSIUM IN DOSAGE PHARMACEUTICAL PREPARATIONS AND IN BIOLOGICAL MATERIALS
8. **DOBRINA TSVETKOVA**, Danka Obreshkova. – VALIDATION OF UV – SPECTROPHOTOMETRIC METHOD FOR IDENTIFICATION AND DETERMINATION OF ANGIOTENSIN II RECEPTOR ANTAGONIST LOSARTAN POTASSIUM
9. **GEORGI DRAGANOV**, Ivanka Pencheva. – ANALYTICAL STUDY OF ENERGY FOOD SUPPLEMENTS CONTAINING CAFFEINE AND TAURINE
10. **GEORGI GERGOV**, Georgi Bontchev, Pavel Simeonov. – SIMULTANEOUS DETERMINATION OF PARACETAMOL, PROPYPHENAZONE AND CAFFEINE IN PHARMACEUTICAL FORMULATIONS. THE PREDICTION ABILITY COMPARISON OF PCR AND PLS METHODS USING ORIGINAL AND DERIVATIVE SPECTRA
11. **GEORGI STAVRAKOV**, Violeta Valcheva. – DEVELOPMENT OF NOVEL ANTI-TUBERCULOSIS AGENTS
12. Ivan Iordanov, **GEORGI DRAGANOV**. – LABEL CLAIMS OF FOOD SUPPLEMENTS CONTAINING L-CARNITINE
13. Ivanka Pencheva, **LILI PEYKOVA**, Danka Obreshkova. – ANALYTICAL STUDY OF SOME ANTIDEPRESSANTS FROM THE GROUPS OF SSRIs AND SNRIs - VENLAFAXINE, CITALOPRAM AND SIBUTRAMINE
14. **JACEK DROZD**, Yuriy Bidnychenko. – APPLICATION OF GC/MS FOR EXPRESS INVESTIGATION OF ACUTE POISONS BY PYRAZOLON-3 DERIVATIVES
15. Kalin Ivanov, Dobrina Tsvetkova, **GEORGI DRAGANOV**. ANALYTICAL METHOD FOR DETERMINATION OF L-ARGININE IN DRUGS, ORGANIC FOODS AND FOOD SUPPLEMENTS
16. **LYUBOMIR RAEV**, Ivo C. Ivanov. – SYNTHESIS OF MONO- AND DIACETYL DERIVATIVES OF SOME 4-(2'-HYDROXYPHENYL)-2-PYRIDONES
17. **MAYA GEORGIEVA**, Atanas Bijev, Ivanka Nencheva. – ISOLATION AND CHARACTERIZATION OF ISOMERS OF PREVIOUSLY SYNTHESIZED PYRROLE-

HYDRAZONES WITH POSSIBLE TUBERCULOSTATIC ACTIVITY

18. **NATALYA ZELISKO**, Roman Lesyk. – SYNTHESIS OF NOVEL BIOLOGICALLY ACTIVE DERIVATIVES OF THIOPYRANO[2,3-d]THIAZOLE-2-ONE AS POTENTIAL ANTICANCER AGENTS
19. **ROSSEN BUYUKLIEV**. – ALKYLATION OF 5-(4-PYRIDYL)-5-METHYL HYDANTOIN
20. S. Angelova, L. Saso, V. Kancheva, A. Slavova-Kasakova, M. Foti, C. Daquino, O. Firuzi, **V. ENCHEV**, J. Nechev. – EXPERIMENTAL AND THEORETICAL STUDY OF NEW BIO-ANTIOXIDANTS
21. **STANISLAV BOZHANOV**, Irina Karadjova. – DETERMINATION OF TRACE ELEMENTS IN BULGARIAN ROSE OIL
22. **STEFAN HARKOV**, Borys Zimenkovsky, Genadij Kazmirchuk, Roman Lesyk. SYNTHESIS AND ANTITUMOR EVALUATION OF 5-YLIDENE-4-THIAZOLIDINONES BASED ON N-SUBSTITUTED ISATINES
23. Stefan Kadiysky, Stoyan Tikvarski, Zhivko Georgiev, **VIOLINA STOYANOVA**, Ivo Ivanov. – SYNTHESIS AND CHARACTERIZATION OF SOME N-SUBSTITUTED 4-AMINOCOUMARINS
24. Stefka Pankova, **GEORGI DRAGANOV**. – PHENETHYLAMINES IN FOOD SUPPLEMENTS ON BULGARIAN MARKET
25. **STELA DIMITROVA**, Kostanca Pavlova, Margarita Kuncheva, Ludmil Lukanov. – PRODUCTION OF EMULSION SYSTEMS WITH METABOLITES SYNTHESIZED BY A STRAIN SPOROBOLMYCES SALMONICOLOR AL₁
26. St. Papanov, K. Ivanov, **L. PEIKOVA**, E. Obreshkova, Ek. Petkova, V. Grudeva, M. Nedeva. – AUTOMATION OF PRODUCTION, ANALYSIS AND STERILIZATION OF DRUGS WITH ULTRASOUND
27. **TSVETELINA IVANOVA**, Adriana Bakalova, Rossen Buyukliev, Georgi Momekov, Darvin Ivanov. – SYNTHESIS AND COMPARATIVE PHARMACOLOGICAL INVESTIGATION ON NEW PLATINUM AND PALLADIUM COMPLEXES WITH 3-AMINO- α -TETRALONSPIRO-5'-HYDANTOIN
28. **VANIA MASLARSKA**. – QUANTIFICATION OF SODIUM ALENDRONATE IN PHARMACEUTICAL SUBSTANCES AND TABLETS BY DIRECT POTENTIOMETRY
29. **YULIAN VOYNIKOV**, Plamen Peikov, Jasmina Tencheva. – SYNTHESIS OF 2-(2-(1,3-DIMETHYL-2,6-DIOXO-2,3-DIHYDRO-1H-PURIN-7(6H)-YL) ACETAMIDO)PENTANEDIOIC ACID

PHARMACEUTICAL TECHNOLOGY SCIENCES

1. **BISTRA KOSTOVA**, Elena Kamenska, Nikola Dimitrov, Dimitar Rachev, George Georgiev. – MORPHOLOGY AND MICROHARDNESS OF NEW ZWITTERIONIC COPOLYMER MATRIX FOR SUSTAINED DRUG DELIVERY
2. **DILYANA GEORGIEVA**, Bistra Kostova, Elena Kamenska, Dimitar Rachev, Georgi Georgiev. – COPOLYMER ZWITTERIONIC NANOPARTICLES AS CARRIERS FOR SUSTAINED RELEASE OF HYDROPHILIC DRUGS
3. **KALOYAN GEORGIEV**. – CURRENT TREATMENT OF LATERAL EPICONDYLITIS (TENNIS ELBOW)
4. **KATERYNA VACHSHENKO**, Iva Georgieva. – TRANSDERMAL THERAPEUTIC SYSTEMS IN UKRAINE AND BULGARIA. CURRENT STATE AND PERSPECTIVES
5. **MILEN DIMITROV**, Diliانا Vasileva, Maria Antonieta Casadei. – SYNTHESIS AND CHARACTERIZATION OF HYDROGELS BASED ON METHACRYLATE DEXTRAN VALERATE
6. **MILEN DIMITROV**, Philip Tsvetanov, Maria Antonieta Casadei. – SYNTHESIS AND CHARACTERIZATION OF HYDROGELS BASED ON DEXTRAN AND SCLEROGLUCAN
7. **OKSANA VASHCHENKO**, Taras Skorokhoda, Tymofiy Kalynyuk. – DEVELOPMENT OF NAIL LACQUER WITH TERBINAFINE HYDROCHLORIDE AND SALICYLIC ACID
8. Pavletta Denkova, **DENITSA MOMEKOVA**, Stanislav Rangelov, Nikolay Lambov, Rudolph Willem. – DIFFUSION ORDERED NMR SPECTROSCOPY (DOSY), A NEW APPROACH FOR INVESTIGATION OF STERICALLY STABILIZED LIPOSOMES

Review Board: Assoc. Prof. Henry Astroug, PhD
Assoc. Prof. Jasmina Tencheva, PhD
Assoc. Prof. Krasimira Joncheva, PhD

3 APRIL 2011

- 9.00 – 10.30** **Round table discussion:** PHARMACEUTICAL SCIENCE AND EDUCATION – TENDENCIES AND PERSPECTIVES
Moderator: Assoc. Prof. Nikolay Danchev, PhD
- 10.30 – 12.00** **Round table discussion:** BULGARIAN PHARMACEUTICAL UNION AND THE CONTINUING PROFESSIONAL EDUCATION OF THE PHARMACISTS – PERSPECTIVE AND PROBLEMS
Moderator: Miroslav Nenchev, MPharm, MPH
- 12.00** **DEPARTURE**