FINAL PROGRAM

July 22, 2015

10.00 **START OF REGISTRATION AND PREPARATION OF POSTERS AND EXHIBITION**
(Institute of Pharmacy, Gerhard-Domagk-Str. 3, 53121 Bonn)

14.00 **OPENING CEREMONY** (Grosser Hörsaal)
Prof. **Valery Makarov**
St-Petersburg Institute of Pharmacy, St-Petersburg, Russia
Prof. **Harald Schweim**
Drug Regulatory Affairs, Rheinische Friedrich-Wilhelms-University, Bonn, Germany
Priv. Doz. **Gudrun Ulrich-Merzenich**
University Clinic Centre Bonn, Germany
Prof. **Wolfgang Blaschek**
Society for Medicinal Plant and Natural Product Research (GA), Germany
Prof. **Konstantin Eller**
Institute of Nutrition of the Russian Academy of Medical sciences, Moscow, Russia

14.20-16.20 **PLENARY SESSION** (Grosser Hörsaal)
Chairman Prof. Harald Schweim

14.20-15.00 **1) Prof. Rudolf Bauer**
University of Graz, Austria
"The development of medicinal plant research from botany to systems biology"

15.00-15.30 **2) Prof. Robert Verpoorte**
Institute of Biology, Leiden, Netherlands
"Nature knew them since long: natural deep eutectic solvents"

15.30-16.00 **3) Prof. Alexander Shikov**
Saint-Petersburg Institute of Pharmacy, St-Petersburg, Russia
"Pigments from sea urchins: chemistry and pharmacology"

16.00-16.30 **4) Dr. Jinhui Dou**
Center for Drug Evaluation & Research, FDA, USA
"FDA policy on the US Clinical Trials for Botanicals"

16.30-16.50 Coffee-break

16.50-18.30 **PLENARY SESSION** (Grosser Hörsaal)
Chairman Prof. Alexander Shikov

16.50-17.20 **5) Prof. Werner Knoess**
Federal Institute for Drugs and Medical Devices, Bonn, Germany
"Harmonized assessment of (traditional) herbal medicinal products in the European Union - achievements and future challenges"

17.20-17.50 **6) Prof. Johannes Novak**
University of Veterinary Medicine, Vienna, Austria
"Good acricultural and wild collection practice of medicinal and aromatic plants"

17.50-18.20 **7) Prof. Petr Shabanov**
Institute of Experimental Medicine NWB RAMS, St. Petersburg, Russia
"Pharmacology of succinate containing drugs"

18.30-20.30 Get together party
(foyer of the Pharmaceutical Institute, University of Bonn)

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09.00-10.45 **PLENARY SESSION** (Grosser Hörsaal)
Chairman Priv. Doz. Gudrun Ulrich-Merzenich

09.00-09.30 **8) Prof. Hanns Haeberlein**
Bonn University, Germany
"Putting molecules into focus: application of single molecule detection to molecular drug research"

09.30-10.00 **9) Prof. Konstantin Eller**
Institute of Nutrition of Russian Academy of medical sciences, Moscow, Russia
"The role of the contemporary analytical methodology in the estimation of biological value of raw materials from wild growing medicinal and food plants"

10.00-10.30 **10) Prof. Karen Nieber**
University of Leipzig, Germany
"Gender specific differences in pharmakotherapy: Is this the case for phytopharmaceuticals, too?"

10.30-10.45 **DISCUSSION**

10.45-11.15 Coffee-break

11.15-12.30 **PLENARY SESSION** (Grosser Hörsaal)
Chairman Prof. Michael Heinrich

11.15-11.45 **11) Dr. Ralf Pohl**
former MADAUS GmbH (Rottapharm|Madaus group), Germany
"Milk thistle drugs - hollow promises or real benefit?"

11.45-12.15 **12) Prof. Harald Schweim**
Drug Regulatory Affairs, University of Bonn, Germany
"Status quo and future developments of combination medicinal products"

12.15-12.30 **DISCUSSION**

12.30-13.00 **OPENING OF POSTER SESSION AND EXHIBITION**

13.00-14.00 Lunch

14.00-16.10 **Seminar 1 "Medicinal plant products: challenges, safety and efficacy"** (Grosser Hörsaal)
Chairman Prof. Rudolf Bauer

14.00-14.30 **A13) Dr. Barbara Steinhoff**
BAH, Bonn, Germany
"Quality of herbal medicinal products: present requirements"

14.30-14.50 **B14) Dr. Andrei Sibaev**
Ludwig-Maximilians-Universität, München, Germany
"Action of Iberogast® and its individual herbal extracts on motility and neurotransmission in the human colon"

14.50-15.10 **C15) Dr. Ipek Süntar**
Gazi University, Ankara, Turkey
"Efficacy of Alchemilla mollis (Buser) Rothm. and Alchemilla persica Rothm. in wound- management by induction of in vivo surgical wound models"

15.10-15.30 **D16) Dr. Lawrence Ticha**
Stellenbosch University, Tygerberg, South Africa
"Phytochemical and biological activity studies of Galenia Africana"

15.30-15.50 **E17) Dr. Vera Kosman**
St. Petersburg Institute of Pharmacy, St. Petersburg, Russia
"Ubichinol: Step by step to new cardio drugs"

15.50-16.10 **F18) Mr. Mert Ilhan**
Gazi University, Ankara, Turkey
"Beneficial effects of a mixture of Hippophae rhamnoides L. and Hypericum perforatum L. oils in the treatment of endometriosis"

14.00-16.10 **Seminar 2 "Advances in clinical studies of Phytotherapeutics**
(Kleiner Hörsaal)
Chairman – Prof. Karen Nieber

14.00-14.30 **g19) Prof. U. Juergens**
University Clinic Centre Bonn, Germany
"1,8 Cinneol in Asthma and COPD – from bench to beside?"

14.30-14.50 **h20) Dr. Aldo Ammendola**
Bionorica SE, Neumarkt, Germany
"Effectiveness and tolerability of Tonsilgon® N in the treatment of recurrent upper respiratory tract infections in children"

14.50-15.10 **i21) Dr. Mathias Mauz**
Ludwig-Maximilians-Universität, München, Germany

"Effects of Korodin® Herz-Kreislauf-Tropfen on low blood pressure and cognitive functions in adolescents"

15.10-15.30 **j** l24) Dr. **Timur Zveryachenko**

Northern Kazakhstan State University, Petropavlovsk, Kazakhstan
"Investigation of the antituberculous effect in vivo of a new aerosol remedy

15.30-15.50 **k23) Dr. Gaurav Sharma**
Drg Wellness PVT LTD, New Delhi, India

"Mechanism for Reversal of Type II Diabetes- Clinical practice and ground reality"

15.50-16.10 **22) Dr. Suruchi Verma**
Indian Institute of Technology, India
"Metformin Like Analgesic And Antidepressant Activities Of A Turmeric Extract Enriched In Curcuminoids"

16.10-16.30 Coffee-break

16.30-18.40 **Seminar 3 "Phytochemical analysis of natural medicinal preparations"** (Grosser Hörsaal)
Chairman Prof. Konstantin Eller

16.30-17.00 **M25) Prof. Gertrud Morlock**
Justus Liebig University, Giessen, Germany
"Bioactivity profiling of herbal extracts by HPTLC-UV/Vis/FLD-EDA-MS"

17.00-17.20 **N26) Prof. Nabila Al-Jaber**
King Saud University, Riyadh, Kingdom of Saudi Arabia
"The relationship between antioxidant and anti-ulcer activity in Saudi honey samples harvested from various regions in different seasons"

17.20-17.40 **O27) Prof. Esra Küpeli Akkol**
Gazi University, Ankara, Turkey
"Rubus sanctus Schreber (blackberry): in vitro enzyme inhibitory effects and isolation of the active components"

17.40-18.00 **P28) Prof. Ali El-Gamal**
King Saud University, Riyadh, Kingdom of Saudi Arabia:
"Phytochemical study and hepatoprotective activity of Albizia lebbeck flowers"

18.00-18.20 **Q29) Dr. Elena Chernetsova**
Thermo Fisher Scientific GmbH, Bremen, Germany
"What are the prospects of DART mass spectrometry for (phyto)pharmaceutical analysis?"

18.20-18.40 **R30) Dr. Abdollah Ghasemi Pirbalouti**
Islamic Azad University, Shahrekord, Iran
"Chemical composition and antioxidant activity of essential oils of some Iranian herbs"

16.30-18.40 **Seminar 4** **"Pharmacology and ethnopharmacology"**
(Kleiner Hörsaal)
Chairman Prof. Robert Verpoorte

16.30-16.50 **s31) Dr. Wael M. Abdel-Mageed**
King Saud University, Riyadh, Kingdom of Saudi Arabia:
"From the deepest on earth: Natural products from extreme environments"

16.50-17.10 **t32)Dr. Kim Jin Sook**
Korea Institute of Oriental Medicine, Dajeon, South Korea:
"Drug discovery of prevention (treatment) of diabetic retinopathy using a Korean endemic plant Aster koraiensis"

17.10-17.30 **u33) Dr. Hasan Yusufoglu**
Prince Sattam bin Abdulaziz University, Al-Kharj, Kingdom of Saudi Arabia
"Antihyperglycemic and antihyperlipidemic activities of Ferula tenussima and Ferula asafoetida in diabetic rats"

17.30-17.50 **v34) Dr. Biman Bhuyan**
Dibrugarh University, Dibrugarh, India
"Pharmacognostical standardization and in vivo antidiabetic evaluation of bark of Cascabela thevetia L."

17.50-18.10 **w35) Ms. Anastasiia Shcherbokova**
Volga State Technical University, Yoshkar-Ola, Russia/ Medizinische Klinik III, Bonn, Germany
"Pharmacological activity of Lichens from Russia"

18.10-18.30 **x36) Dr. Mehdi Rahimmalek**
Isfahan University of Technology, Isfahan, Iran
"Comparison of phenolic, flavonoid and antioxidant activity of some endemic Apiaceae genera in Iran"

19.30 **Banquet: Restaurant DACAPO**
(Theaterstr. 1, 53 115 Bonn)

July 24, 2015

09.00-10.40 Seminar 5 **"Regulation of herbal medicinal products and food in Russia, the European Union and the USA"**
(Grosse Hörsaal).
Chairman Prof. Harald Schweim

09.00-09.20 **Y37) Dr. Elizabeth Dauncey**
Royal Botanic Gardens, Kew, UK
"Kew's Medicinal Plant Names Services and their role in the safety and efficacy of plant-based medicines"

09.20-09.40 **Z38) Dr. Kenny Kuchta**
National Institute of Health Sciences, Tokyo, Japan
"How to receive regulatory approval in Japan for Western herbal medicinal products"

09.40-10.00 **Z39) Mr. Alexander Maur**
Kanzlei am Aerztehaus, Frehse Mack Vogelsang, Cologne, Germany
"Demarcation between phytopharmaceutics and neighboring product categories in the EU – demarcation criteria and regulatory consequences"

10.00-10.20 **Z40) Ms. Jana Schweim**
Bonn, Germany
"Comparison and differentiation between clinical trials with medicinal products and scientific studies with nutritional products"

10.20-10.40 **DISCUSSION**

09.00-11.00 **Seminar 6 "Agriculture and technology of natural medicinal products"** (Kleiner Hörsaal)
Chairman Prof. Johannes Novak

09.00-09.20 **z41) Prof. Atallah Ahmed**
King Saud University, Riyadh, Kingdom of Saudi Arabia
"Evidence-based medicinal value of red onion peels"

09.20-09.40 **z42) Dr. Olga Pozharitskaya**
St. Petersburg Institute of Pharmacy, St. Petersburg, Russia
"Challenges in drug discovery from medicinal plants"

09.40-10.00 **z43) Prof. Abdolamir Allameh**
Tarbiat Modares University, Tehran, Iran
"Suppression of colon tumorigenesis in rats by low dose dietary caraway essential oils is mediated by hepatic xenobiotic metabolizing enzymes"

10.00-10.20 **z44) Dr. Salome Mahlo**
University of Limpopo, Sovenga, South Africa
"Ethnobotanical survey of invasive alien plant species used in the Capricorn district, Limpopo Province, South Africa"

10.20-10.40 **z45) Dr. Anshul Shakya**
Dibrugarh University, Dibrugarh, India
"Preventive effects of monomethyl fumarate and a methanolic Fumaria indica extract against chronic foot shock stress triggered ulcers and other pathologies in rats"

10.40-11.00 **z46) Ms. Okiemute Rosa Johnson-Ajinwo**
Keele University, UK
"Anti-malarial activities of Margaritaria discoidea and other nigerian medicinal plants"

11.00-11.20 **Coffee-break**

11.20-12.30 **Closing ceremony. Results of poster session** (Grosser Hörsaal)

Chairman Prof. Harald Schweim
Prof. **Valery Makarov**
Prof. **Alexander Shikov**
Priv.Doz. **Gudrun Ulrich-Merzenich**

12.30-13.30 Lunch

15.00-16.30 **Guided (English) Excursion to the Botanical garden**

(free for participants, additional reservation is required)

POSTERS PRESENTATIONS

July 23, 2015

01 **COMPARISON OF CHEMICAL COMPOSITION OF COMMERCIAL LAVENDER OILS (*LAVANDULA ANGUSTIFOLIA* L.)**
Adaszyńska-Skwirzyńska M., Szczerbińska D.

02 **ANALYSIS OF SELECTED FLAVONOIDS IN FLOWERS OF LAVENDER (*LAVANDULA ANGUSTIFOLIA* L.)**
Adaszyńska-Skwirzyńska M., Swarcewicz M., Kwiecień H.

03 **HEPATOPROTECTIVE ACTIVITIES OF *HOSLUNDA OPPOSITA* VAHL AND BARK OF *SECURIDACA LONGEPEDUNCULATA* FRESEN ON MICE**
Adeola O., Adeliyi M., Oluwatobi and Makinde, Ayotunde

04 **INVESTIGATION OF THE ANTIMALARIAL COMPOUNDS FROM *CYLICODISCUS GABUNENSIS* HARMS**
Omar Aldulaimi, Fidelia Uche, Imran Ullah, Hamza Hameed, Paul Horrocks, Wen-Wu Li

05 **SUPPRESSION OF COLON TUMORIGENESIS IN RATS BY LOW DOSE DIETARY CARAWAY ESSENTIAL OILS IS MEDIATED BY HEPATIC XENOBIOTIC METABOLIZING ENZYMES**
Abdolamir Allameh, Abolfazl Dadkhah

06 **ISOLATION OF FUROCOUMARINS FROM *FERULAGO BLANCHEANA* AND INVESTIGATION OF THEIR ANTICHOLINESTERASE ACTIVITY**
Aslan E., Dincel D., Topçu G.

07 **STUDY OF GASTROPROTECTIVE AND HEALING ACTIVITIES OF *C. OBLONGIFOLIA* MART. EX HAYNE AND *C. DUCKEI* DWYER *IN VIVO***
Lemos M., Silva J.J.M., Rogez H.L.V., Veneziani R.C.S., Ambrósio S.R., Jairo K. Bastos

08 ***IN VITRO* SYNERGISTIC ANTIOXIDANT ACTIVITY OF HONEY-*MENTHA SPICATA* COMBINTION**
Bellik Y.

09 **FREE RADICAL SCAVENGING ACTIVITY OF *RETAMA RAETAM* LEAVES END SEEDS EXTRACTS**
Benariba N., Adjdir S., Hadj Moussa A., Hadj Said B., Chikh S., Boudjemaa K., Fatima Z. Sekkal, Djaziri R.

10 **EFFECT OF *ONONIS ANGUSTISSIMA* EXTRACTS ON GLUCOSE UPTAKE ACROSS NON-EVERTED RAT INTESTINAL SAC MODEL**
Benariba N., Laoufi H., Djaziri R.

11 **OPTIMIZATION OF RHYTHMIC PHYSIOLOGICAL FUNCTIONS IN AN ENVIROINMENT DRIVEN BY SOLAR CENTRIC EMF: AN OBSERVATORY CONCEPT**
Bhuyan B., Shakya A., Rajak P.

12 ***COSTUS PICTUS*: ESTIMATION OF ITS ANTIDIABETIC POTENTIAL IN MALE WISTER RAT MODEL**
Bhuyan B., Chetia D.

13 **METABOLOMIC AND PHYTOCHEMICAL BASED STUDY OF RHODIOLA SPECIES**
Booker A., Zhai L., Heinrich M.

14 **A NEW APPROACH FOR DETERMINATION OF COMPOSITION OF PHYTOPHARMACEUTICALS BASED ON *GINKGO BILOBA* EXTRACTS**
Vasil'ev V.G., Prokop'ev A.S., Chernetsova E.S., Kalabin G.A.

15 **SCREENING OF HERBAL MEDICINES AND DIETARY SUPPLEMENTS FOR SYNTHETIC COMPONENTS**
Prokop'ev A.S., Chernetsova E.S., Kalabin G.A., Goryainov S.V., Ivlev V.A.

16 **PREPARATION OF SOME 3-HYDROXYFLAVONE DERIVATIVES WITH THEIR ANTIOXIDANT ACTIVITIES**
Culhaoglu B., Kusman T., Ozturk T., Topcu G.

17 **ANTINOCICEPTIVE EVALUATION OF *CASIMIROA EDULIS*, *ANNONA MURICATA*, *CITRUS LIMONUM*, AND *CHRYSOPHYLLUM CAINITO* IN NORMOGLYCEMIC AND HIPERGLYCEMIC RAT**
Déciga-Campos M., Ortiz-Andrade R., Sanchez-Recillas A., Mario Alberto Ramírez Camacho

18 **BIOACTIVE FUROCOUMARINS FROM *PRANGOS ILANAE,* AN ENDEMIC SPECIES TO THE MOUNTAIN IDA**
Dincel D., Aslan E., Dirmenci T., Topcu G.

19 **MEDICINAL PLANTS TRADITIONALLY USED IN SENEGAL FOR TUBERCULOSIS TREATMENT: THEY ACTIVE AGAINST *MYCOBACTERIUM* STRAINS?**
Diop E. A., Queiroz E. F., Kicka S., Rudaz S., Tahir D., Wolfender J.-L.

20 **ANTI-ANGIOGENIC ACTIVITIES OF THE LEAVES OF *TAPINANTHUS BANGWENSIS* GROWING ON THREE HOST TREES IN SOUTH-WESTERN NIGERIA**
Diyaolu O.A., Adeagbo A.S., Adedapo A.D., Fukushi Y , Moody J.O.

21 ***IN VITRO* CULTURES OF *HYPERICUM PERFORATUM* CULTIVARS – A RICH POTENTIAL PLANT RAW MATERIALS FOR PHYTHOTHERAPEUTICAL PURPOSE**
Kwiecień I., Szydłowska A., Kawka B., Beerhues L., Ekiert H.

22 **SCHISANDRA LIGNANS - THE POSSIBILITY OF PRODUCTION IN THE DIFFERENT TYPES OF BIOREACTORS**
Szopa A., Kokotkiewicz A., Łuczkiewicz M., Ekiert H.

23 ***ARONIA MELANOCARPA* (BLACK CHOKEBERRY) *IN VITRO* CULTURES – POTENTIAL SOURCE OF BIOACTIVE PHENOLIC ACIDS FOR PHYTOTHERPAY**
Szopa A., Setkiewicz A., Ekiert H.

24 ***PTERODON PUBESCENS* BENTH (FABACEAE) FRUIT'S 6A-ACETOXI-7B-HYDROXY-VOUACAPAN CONTENT VARIABILITY: ARTIFACT OR GENOTYPE?**
Felipe C. Lloret, Josué Carinhanha Caldas Santos, Nubia de Cassia de Almeida Queiroz, Ana Lucia Tasca Goes Ruiz, João Ernesto de Carvalho, Foglio M.A.

25 **VARIOUS KIND OF ACTIVITY FOR COMPOUNDS ISOLATED FROM *LIMONIUM* GENUS**
Gadetskaya A.V., Zhusupova G.E., Amer H. Tarawneh, Ross S.A.

26 **EFFECT OF COLOMBIAN AND BRAZILIAN PLANT EXTRACT ON CELL VIABILITY IN THE HUMAN NEUROBLASTOMA SH-SY5Y CELL LINE**
Gasca C.A., Castillo W., Silveira D., Satie C.

27 **IDENTIFICATION OF CHEMICAL CONSTITUENTS, ANTIOXIDANT ACTIVITY AND PHENOLS CONTENT IN THE ETHANOL EXTRACT AND PURIFIED FRACTIONS OF *PAVONIA SEPIOIDES***
Gasca C.A., Cabezas F.A., Torras L., Bastida J., Codina C.

28 **FOLIAR APPLICATION OF CHITOSAN ON PHYTOCHEMISTRY OF ESSENTIAL OIL FROM TWO IRANIAN LANDRACES OF SWEET BASIL**
Malekpoor F., Ghasemi Pirbalouti A., Salimi A.

29 **CHITOSAN APPLICATION ON SECONDARY METABOLITES OF MEDICINAL PLANTS**
Ghasemi Pirbalouti A., Malekpoor F., Alavi-Samani S.M.

30 **SEDATIVE AND ANTICONVULSANT ACTIVITIES OF *JUSTICIA SPICIGERA*. BEHAVIOR AND ELECTROENCEPHALOGRAM**
González-Trujano Ma. Eva, Fabiola D., Aguillón M., Martínez A.

31 **IN VIVO ANTI-ULCEROGENIC EFFECT EVALUATION OF *SIDERITIS CAESAREA* DUMAN, AYTAC & BASER (LAMIACEAE)**
Gürbüz I., Tuğba Günbatan, Ayşe Mine Gençler Özkan

32 **ANTIDEPRESSANT EFFECT OF CROCIN, THE MAIN ACTIVE SAFFRON CONSTITUENT, IN MAJOR DEPRESSIVE DISORDER; A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, PILOT CLINICAL TRIAL**
Ali Talaei, Hassanpour Moghadam M., Sayyed Abolghasem Sajadi Tabassi, Seyed Ahmad Mohajer

33 **ANTIHYPERTENSIVE EFFECT OF CELERY SEED ON RAT BLOOD PRESSURE IN CHRONIC ADMINISTRATION**
Hassanpour Moghadam M., Imenshahidi M., Mohajeri S.A.

34 **BIO-GUIDED FRACTIONATION OF *ACALYPHA CUSPIDATA* AERIAL PART EXTRACT TO IDENTIFY ACTIVE PRINCIPLES AGAINST OVARIAN CANCER**
Herrera-Martínez M., Hernández-Carlos B., Chávez-Munguía B., Talamás-Rohana P.

35 **THE EXTRACT OF *LIMONIUM TETRAGONUM* PROTECTS AGAINST ALCOHOL-INDUCED LIVER STEATOSIS IN C57BL/J6 MICE**
Jeong E.J., Lee S.J., Kim N-H., Heo J-D.

36 **ANTI-MALARIAL ACTIVITIES OF THYMOQUINONE ANALOGUES**
Okiemute Rosa Johnson-Ajinwo, Christopher Lee, Haima Raman, Nicolas Ellerby, Imran Ullah, Paul Horrocks, Wen-Wu Li

37 **OPTIMIZATION OF THE EXTRACTION OF TOTAL FLAVONOIDS FROM *SOLANUM RETROFLEXUM* DUN. FRUIT USING THE RESPONSE SURFACE METHODOLOGY**
Karabegović I.T., Nada Č., Simić N.V., Mančić D., Lazić M.L.

38 ***IN VITRO* ANTIOXIDANT, ANTIBACTERIAL, ANTILEISHMANIAL ACTIVITIES AND TOTAL PHENOLIC CONTENT OF FIVE *BERBERIS* SPECIES FROM IRAN**
Karamian R., Sameeyan E., Ranjbar N.

39 **ENCAPSULATED ESSENTIAL OILS FOR THE CONTROL OF SHEEP GASTROINTESTINAL NEMATODES***
Katiki L.M., Veríssimo C.J. , Costa R.L.D. , Bueno M.S. , Gomes A.C.P. , Canova E.B. Rodrigues L. , Gutmanis G. , Araújo R.C. , Louvandini H. , Amarante A. F. T.

40 ***TERMINALIA CATAPPA* ACETONIC EXTRACTS (LEAF, SEED AND PULP) EVALUATED *IN VITRO* AND ITS VALIDATION BY *IN VIVO* TESTS FOR THE CONTROL OF SHEEP GASTROINTESTINAL PARASITES**
Gomes A. C. P., Barbieri A. M. E. , Canova E. B., Rodrigues L., Piza A. M., Fornazari B. C. , Louvandini H., Katiki L. M.

41 **CAN HERBAL MEDICINE SUBSTITUTE PROKINETIC DRUGS IN FUNCTIONAL GI DISEASES?**
Madisch A., Vinson B., Kelber O., Nieber K., Kraft K., Storr M.

42 ***SERENOA REPENS* FRUIT EXTRACT: WELL ESTABLISHED USE IN LUTS**
Goerne R., Wegener T., Feistel B., Kelber O., Kraft K. Reichling, J.

43 ***AESCULUS HIPPOCASTANUM* SEED EXTRACT: WELL ESTABLISHED USE IN CHRONIC VENOUS INSUFFICIENCY**
Kelber O., Abdel-Aziz H., Kraft K., Müller J.

44 **VALERIAN, MELISSA AND PASSION FLOWER IN ANXIOLYTIC TESTS: IS THERE A SYNERGISTIC EFFECT?**
Okpanyi, S.N., Kolb, C., Müller, J., Abdel-Aziz, H., Kelber, O.

45 **HOW TO HANDLE COMPLEX PHARMACOLOGICAL DATA ON THE MULTI-TARGET EFFECT OF PHYTOMEDICINES?**
Lorkowski G., Kelber O., Abdel-Aziz H., Nieber K., Storr M.

46 **THE TRADITIONAL HERBAL MEDICINE, GE-GEN-TANG, INHIBITS PACEMAKER POTENTIALS BY NITRIC OXIDE/CGMP DEPENDENT ATP-SENSITIVE K^+ CHANNELS IN CULTURED INTERSTITIAL CELLS OF CAJAL FROM MOUSE SMALL INTESTINE**
Lee S., Gim H., Shim J.H., Kim H.J., Lee J.R., Kim S.C., Kwon Y.K., Ha K-T., So I., Kim B.J.

47 **METHYL PROTODIOSCIN FROM THE ROOTS OF *ASPARAGUS COCHINCHINENSIS* ATTENUATES AIRWAY INFLAMMATION BY INHIBITING CYTOKINE PRODUCTION**
Lee J.H., Lee C.W. , Son K.H., Lee S.K., Pyo Kim H.P.

48 **PHYTOCHEMICAL CONTENTS AND ANTIOXIDANT ACTIVITY *OF VACCINIUM OLDHAMII* NAKAI IN KOREA**
Kim S-H., Kim H., Song J-H., Kim M.S.

49 **THE BIOLOGICAL ACTIVITIES OF *HOVENIA DULCIS* VAR. *KOREANA* NAKAI EXTRACTS**
Kim S-H., Song J-H., Kim H., Kim M-S., Lee J-T.

50 **EFFICACY OF SILEXAN: RESULTS FROM A MULTI-CENTER, DOUBLE-BLIND, RANDOMIZED CLINICAL STUDY**
Kasper S., Klement S., Volz HP

51 **COMPARATIVE ANTI-INFLAMMATORY/IMMUNOMODULATORY EFFECT OF DIFFERENT EXTRACTS OF *NIGELLA SATIVA* MEDICINAL PLANT**
Koshak A.E. , Fiebich B.L., Yousif N. , Koshak E.A., Heinrich M.

52 **PHYTOCHEMICAL COMPOSITION OF NEW FUNCTIONAL FOOD PRODUCT OF FISH OIL AND MOTHERWORT (*LEONURUS CARDIACA L.*) OIL EXTRACT**
Kosman V.M., Demchenko D.V., Pozharitskaya O.N., Shikov A.N., Makarov V.G.

53 **INHIBITION OF PROSTATE CANCER BONE METASTASIS BY CELASTROL, AN ACTIVE CONSTITUENT OF THE TCM PLANT *TRIPTERYGIUM WILFORDII***
Kuchta K., Xiang Y., Huang S., Tang Y., Peng X., Wang X., Zhu Y., Li J., Jing Xu J., Zhenhua Lin, Tao Pan

54 **ON THE INDUCTION OF APOPTOSIS IN HEPATIC STELLATE CELLS VIA INHIBITION OF THE MYD88 PATHWAY BY CURCUMIN**
Shu J-C., Kuchta K., Ya-Jun He, Deng Y-m., Lin Y., Ye G-r., Lv X., Liu X-y., Kobayashi Y.

55 **SCREENING OF 19 TRADITIONAL MEXICAN HERBS WITH AN *IN VITRO* LUCIFERASE REPORTER GENE ASSAY FOR EFFECTS ON THE METABOLIC SYNDROME RELATED TARGETS PPARα, β/δ, and γ**
Kuchta K., Matsuura N., Rauwald H.W., Iinuma M., Angeles-Hernandez I.K., Samaniego-Escamilla M.A., Quintanilla-Licea R.

56 **STUDIES ON ANTICHOLINESTERASE POTENTIALS OF SOME *FRITILLARIA* SPECIES BELONG TO EASTERN OF TURKEY**
Kusman T., Culhaoglu B., Mukemre M., Topcu G.

57 **TOTAL PHENOLIC AND FLAVONOID COMPOUNDS OF THE *Solanum retroflexum* Dun. FRUIT EXTRACT**
Mančić D.M., Veličković D.T., Nikolić N.C., Stojičević S., Karabegović I., Lazić M.L.

58 **ENVIRONMENTAL FRIENDLY PROCESS FOR EXTRACTING VOLATILE AND LIPID COMPONENTS FROM LAVENDER FLOWERS, SEABUCKTHORN FRUITS AND ARONIA BERRIES WITHOUT AFFECTING THE WATER-SOLUBLE COMPONENTS**
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59 **INHIBITORY CONSTITUENTS OF *STEMONA TUBEROSA* ROOTS ON LIPOPOLYSACCHRIDE-INDUCED NITRIC OXIDE PRODUCTION IN BV2 MICROGLIA**
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